

# WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-1

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-401
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	Camp Bullis

<i>Latitude (UTM):</i>	3284052
<i>Longitude (UTM):</i>	537982
<i>Elevation (Feet MSL):</i>	1165.6

### WELL COMPLETION DATA

<i>Date Drilled:</i>	02-Mar-40
<i>Well Depth (feet bgs):</i>	432
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	135
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	420

<i>Well Yield (gpm):</i>	70
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	193.56 09-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose* and Cow Creek

### OTHER NOTES

Well originally drilled to 1078', then plugged back to 451'. Video survey completed on May 7, 1997. Internal casing installed to 135' on May 15, 1997.

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer Glen Rose Lower Field No. B-24 (Bull 5008) State Well No. 68-20-401  
 Owner's Well No. #1 Schause County Brewer

1. Location: 2 1/4 1/4 Sec. Block          Survey         

Lat. 29° 41.9' Long. 98° 36.23'

2. Owner: Camp Stanley (U.S. Govt. AMN) Address:         

Driller: J. R. Johnson & Co. Drilling Co. Address:         

3. Elevation of LSD is 1232 ft. above sea level, determined by Topo

4. Drilled: Mar. 2 1940; by Dug, Cable Tool, Rotary

5. Depth: Rept. 451 ft. True          ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr.          Type Submersible

No. Stages         , Rods Diam.          in., Setting 420 ft.

Culman Diam.          in., Length Tailpipe          ft.

8. Motor: Pwr. 1/2 HP Make & Model          HP 15

9. Yield: Flow          gpm, Pump          gpm, Meas., Rept., Est.         

10. Performance Tests Date          Length of Test          Made by         

Static Level          ft. Pumping Level 450 ft. Drawdown          ft.

Production 87 gpm Specific Capacity          gpm/ft.

11. Water Level:          ft. reft.          19          above          which is          ft. above surface.  
         ft. reft.          19          below          which is          ft. below surface.  
         ft. reft.          19          above          which is          ft. above surface.  
         ft. reft.          19          below          which is          ft. below surface.

12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used.

13. Quality: (Remarks on taste, odor, color, etc.)         

Temp.          °F, Date sampled for analysis          Laboratory         

Temp.          °F, Date sampled for analysis          Laboratory         

Temp.          °F, Date sampled for analysis          Laboratory         

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log, Formation Samples, Pumping Test.

15. Record by: John Ashworth Date 2-10 1976

Source of Data ground logs, Field visit

16. Remarks: d. Med to 1022ft. plugged back to 451ft. Stop at main gate and ask to be escorted to the well.


CASINGS & BENTONITE			
Cemented From		ft. to	
Diam. (in.)	Type	Setting, ft. From	to
10	Steel	0	702
8	"	702	1005

WELL SCREEN			
Screen Openings			
Diam. (in.)	Type	Setting, ft.	
		From	to
	Perf. ?		
	Slotted ?		

B-24

68-20-401

March 2, 1940

Log on Water Well for Camp Bullis Well # 1. Ft. Sam Houston ...  
Schasse-- Ranch

			Thickness (Feet)	Depth (Feet)
0	3	Surface	3	3
3	14	Glen Rose	11	14
14	161	Yellow Clay	147	161
161	176	Glenrose	15	176
176	471	Glenrose	295	471
471	489	Bluish-green shale	18	489
489	493	Blue Lime	4	493
493	570	White Glenrose	77	570
570	621	Blue Shale	51	621
621	625	Sandy Lime	4	625
625	760	Grey Lime	135	760
760	795	Shale and grey Sand	35	795
795	835	Blue shale	40	835
835	1009	Trinity, pink & red Clay and sand	174	1009
1009	1022	Shist	13	1022

1022 feet deep; Water level; (1) 167', (2) 228', (3) Edwards water  
@ 163'-492' Water in Trinity Sands @ 920-998'.

702 ft. of 10" 32.35# Casing 303 ft. of 8" 28# Casing;

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J. R. (BOB) Johnson

68-20-401

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-2

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286509
<i>Longitude (UTM):</i>	536735
<i>Elevation (Feet MSL):</i>	1234

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	350
<i>Casing Diameter (inches):</i>	4
<i>Casing Depth (feet bgs):</i>	205
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	339

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	255.85 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Geophysical survey conducted on August 23, 1994. Surface casing installed into existing well on 25-Sep-94. Bladder pump installed for sampling only.

ATTENTION OWNER: Confidentiality  
Privilege Notice on Reverse Side

State of Texas  
WELL REPORT

Texas Water Well Drillers Board  
P.O. Box 13087  
Austin, Texas 78711

1) OWNER Camp Stanley Storage Activity ADDRESS 25800 Ralph Fair Road Beaverton Tx 78006  
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County Bexar 19 miles N 19 direction from San Antonio  
(NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:  
Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

SEE ATTACHED M/P

3) TYPE OF WORK (Check):  New Well  Deepening  Reconditioning  Plugging

4) PROPOSED USE (Check):  Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  De-Watering

5) DRILLING METHOD (Check):  Mud Rotary  Air Hammer  Jetted  Bored  Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:  
Date Drilling: Started 9-25 1994 Completed 9-25 1994

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
8"	Surface	200' <sup>350</sup>

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to 205'

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:	
			Dia. (in.)	Setting (ft.)
			From	To
			4" new steel casing	0 to 200'

9) CEMENTING DATA [Rule 287.44(1)]  
Cemented from 0 ft. to 200 ft. No. of Sacks Used 80  
Method Used Pumped By Jammed Pipe  
Cemented by James E. Shows

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

14) WELL TESTS:  
Type Test:  Pump  Bailer  Jetted  Estimated  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

15) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable constituents?  
 Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 287.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 287.44(3)(A)]  
 Pileless Adapter Used [Rule 287.44(3)(B)]  
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL: 253.21  
Static level: 256.61 ft. below land surface Date 9-30-94  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS:	Type	Depth

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

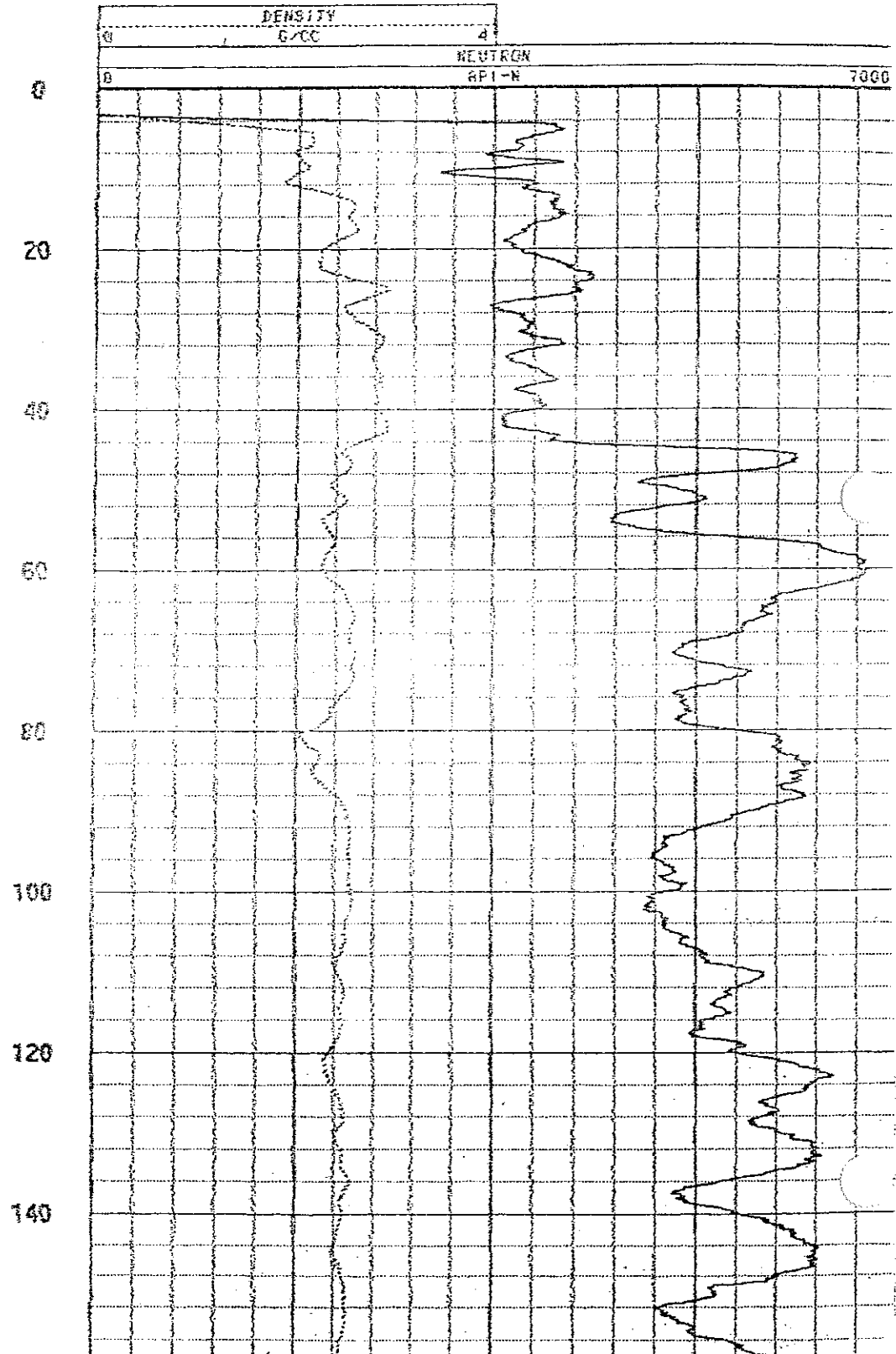
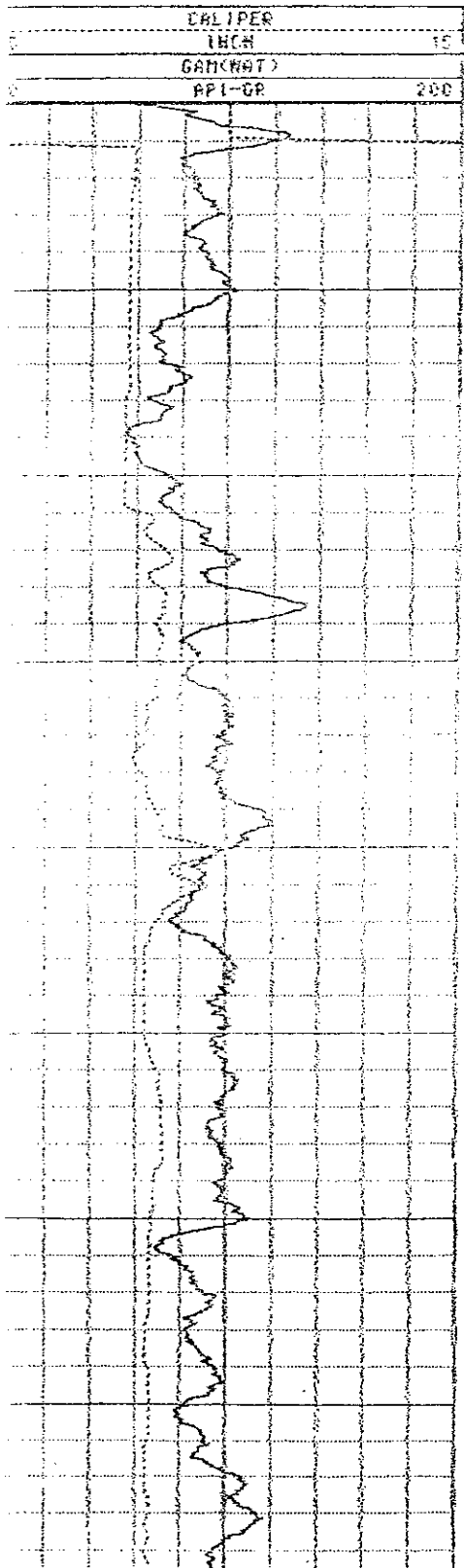
COMPANY NAME Layne Equipment WELL DRILLER'S LICENSE NO. 2022 W  
(Type or print)

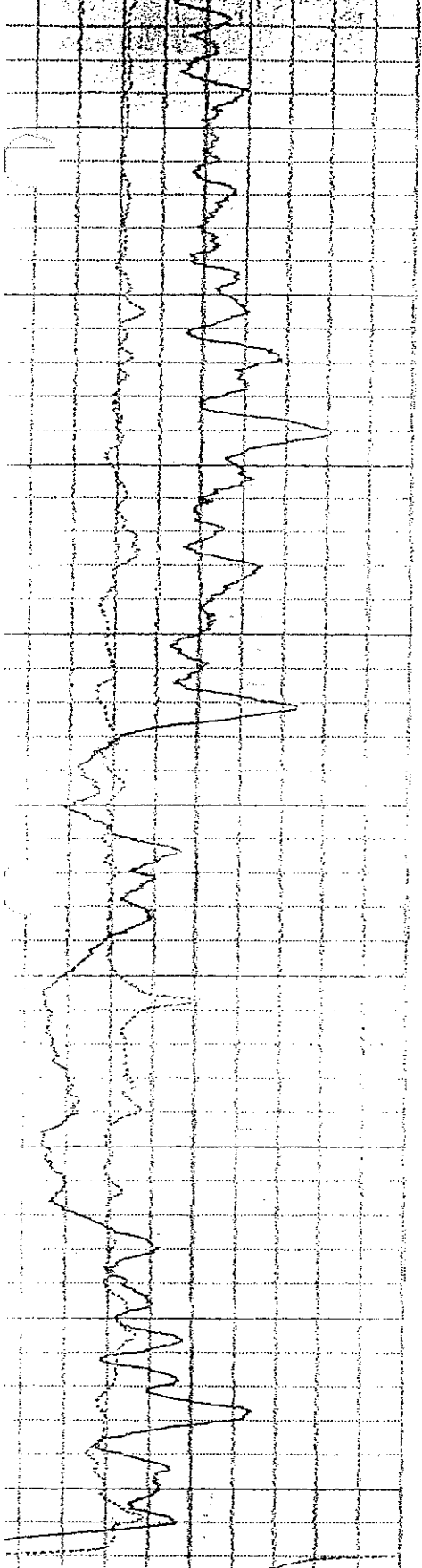
ADDRESS 6717 Northwind's Dr Houston Tx 77041  
(Street or RFD) (City) (State) (Zip)

(Signed) \_\_\_\_\_ (Licensed Well Driller) (Signed) [Signature] (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TNRCC use only: Well no. 8 Located on map \_\_\_\_\_







API-GR 200  
 GAINMAT  
 INCH 15  
 CALIPER

100  
 200  
 220  
 240  
 260  
 280  
 300  
 320  
 340  
 350

CSSA well 2  
 08/23/94



API-N 7000  
 NEUTRON  
 g/cc 4  
 DENSITY

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-3

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286560
<i>Longitude (UTM):</i>	536767
<i>Elevation (Feet MSL):</i>	1236.4

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	328
<i>Casing Diameter (inches):</i>	4
<i>Casing Depth (feet bgs):</i>	205
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	None

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	261.89 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Surface casing installed into existing well on September 25, 1994.

ATTENTION OWNER: Confidentially  
 Privilege Notice on Reverse Side

State of Texas  
**WELL REPORT**

Texas Water Well Drillers Board  
 P.O. Box 13087  
 Austin, Texas 78711

Well #3

1) OWNER Camp Stanley Storage Activity ADDRESS 25800 Ralph Fair Road Beaverton TX 78006  
 (Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:  
 County Brewer . 19 miles in NE direction from San Antonio  
 (NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Section Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:  
 Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
 Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
 SEE ATTACHED M/W

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging  
 4) PROPOSED USE (Check):  
 Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  De-Watering  
 5) DRILLING METHOD (Check):  
 Mud Rotary  Air Hammer  Jetted  Air Rotary  Cable Tool  Other \_\_\_\_\_  
 Drive  Box

6) WELL LOG:  
 Date Drilling: Started 9-25 1994 Completed 9-25 1994  
 DIAMETER OF HOLE:  
 Dia. (In.) From (ft.) To (ft.)  
8" Surface (200) 328  
 7) BOREHOLE COMPLETION:  
 Open Hole  Straight Well  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
 If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. 205

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:		Gege Casing Berger
			Dia. (In.)	Material or Used	
			<u>4</u>	<u>new steel casing</u>	<u>0</u> to <u>200</u>

9) CEMENTING DATA [Rule 287.44(1)]  
 Cemented from 0 ft. to 200 ft. No. of Bags Used 90  
 Method used packed by trimmer pipe  
 Cemented by James Shows

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 287.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 287.44(3)(A)]  
 Pileless Adapter Used [Rule 287.44(3)(B)]  
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL: 256.88  
 Static level 256.88 ft. below land surface Date 9-20-94  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS:  
 Type \_\_\_\_\_ Depth \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Layne Equipment WELL DRILLER'S LICENSE NO. 2022W  
 (Type or print)

ADDRESS 6917 Northwind Dr Houston TX 77041  
 (Street or RFD) (City) (State) (Zip)

(Signed) \_\_\_\_\_ (Licensed Well Driller) (Signed) \_\_\_\_\_ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TNRCC use only: Well no. 3 Located on map \_\_\_\_\_



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-4

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286561
<i>Longitude (UTM):</i>	536925
<i>Elevation (Feet MSL):</i>	1225.8

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	252
<i>Casing Diameter (inches):</i>	4
<i>Casing Depth (feet bgs):</i>	200
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	None

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	251.14 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Surface casing installed into existing well on September 25, 1994.

ATTENTION OWNER: Confidentiality  
 Privilege Notice on Reverse Side

State of Texas  
**WELL REPORT**

Texas Water Well Drillers Board  
 P.O. Box 13087  
 Austin, Texas 78711

Well #4

1) OWNER Camp Stanley Storage Activity ADDRESS 25800 Ralph Fair Road Boerne Tx 78004  
 (Name) (Street or RFD) (City) (State) (Zip)  
 2) LOCATION OF WELL:  
 County Bexar 19 miles in nw direction from San Antonio  
 (NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Block Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
 Distance and direction from two intersecting section or survey lines \_\_\_\_\_

SEE ATTACHED MAP

3) TYPE OF WORK (Check):

New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):

Domestic  Industrial  Mohlor  Public Supply  
 Irrigation  Test Well  Injection  De-Watering

5) DRILLING METHOD (Check):

Drive  Mud Rotary  Air Hammer  Jetted  Bore  
 Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:

Date Drilling: \_\_\_\_\_  
 Started 9-25 1994  
 Completed 9-25 1994

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
6"	Surface	200'

7) BOREHOLE COMPLETION:

Open Hole  Straight Well  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
 If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.) To (ft.) Description and color of formation material

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
8"	new	puo se 80 pipe	surface	200'	

9) CEMENTING DATA [Rule 257.44(1)]

Commenced from 80 ft. to 200' ft. No. of Sacks Used 65  
 \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
 Method used pumped by trimmy pipe  
 Cemented by James Shows

13) TYPE PUMP:

Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
 Depth to pump bowl, cylinder, jet, etc. \_\_\_\_\_ ft.

10) SURFACE COMPLETION

Specified Surface Slab Installed [Rule 257.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 257.44(3)(A)]  
 Piless Adapter Used [Rule 257.44(3)(B)]  
 Approved Alternative Procedure Used. [Rule 257.71]

14) WELL TESTS:

Type Test  Pump  Bailer  Jetted  Estimated  
 Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

11) WATER LEVEL: 245.60

Static level 248.80 ft. below land surface Date 5-30-94  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

15) WATER QUALITY:

Did you knowingly penetrate any strata which contained undesirable constituents?  
 Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

12) PACKERS:

Type Depth

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Layne Environmental Serv. Servs  
 (Type or print)

WELL DRILLER'S LICENSE NO. 2022 W

ADDRESS 6717 northwind Dr  
 (Street or RFD)

Houston Tx 77041  
 (City) (State) (Zip)

(Signed) \_\_\_\_\_  
 (Licensed Well Driller)

(Signed) \_\_\_\_\_  
 (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TNRCC use only: Well no. 4 Located on map \_\_\_\_\_

# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-9

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### PHYSICAL DESCRIPTION

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<i>State ID Number</i>	68-19-602
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3285042
<i>Longitude (UTM):</i>	535879
<i>Elevation (Feet MSL):</i>	1323.4

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### WELL COMPLETION DATA

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<i>Date Drilled:</i>	15-Sep-58
<i>Well Depth (feet bgs):</i>	534
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	23
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	504

<i>Well Yield (gpm):</i>	77
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	380.97 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

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### OTHER NOTES

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Geophysical survey conducted on September 15, 1958. Video survey completed on November 18, 1997.

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TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer L. Glen Rose  
Hensell  
Cow Creek

Field No. \_\_\_\_\_  
Owner's Well No. 49

State Well No. 68-19-602  
County Brewer

1. Location: 1/4 Sec. 1/4 Sec. Black Survey  
Lat. 29° 41' 41" Long. 98° 27' 45" E.L.O. 2 N. 4.0

2. Owner: Camp Stanley Address: \_\_\_\_\_  
Driller: Virgil Fielding Address: \_\_\_\_\_

3. Elevation of LSD is 1310 ft. above sea level, determined by Tepe


4. Drilled: 9-15 to 19-58 ft. using Dug, Cable Tool, Rotary

5. Depth: Rept. 546 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfg. \_\_\_\_\_ Type Submersible  
No. Stages \_\_\_\_\_ Rods Diam. \_\_\_\_\_ in., Setting 486 ft.  
Column Diam. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

CASTING & BENCH PIPE			
Cemented From		ft. to	
Dim. (in.)	Type	Setting, ft. from	to
---		<u>0</u>	<u>unknown</u>

8. Motor: Fuel Elec Make & Model \_\_\_\_\_ HP. 15

9. Yield: Flow \_\_\_\_\_ gpm, Pump 20 gpm, Meas., Rept., Est. \_\_\_\_\_

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_  
Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.  
Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Water Level: 332 ft. 9-1 1959 LSD which is \_\_\_\_\_ ft. above surface.  
\_\_\_\_\_ ft. 19 above which is \_\_\_\_\_ ft. above surface.  
\_\_\_\_\_ ft. 19 below which is \_\_\_\_\_ ft. below surface.  
\_\_\_\_\_ ft. 19 above which is \_\_\_\_\_ ft. above surface.  
\_\_\_\_\_ ft. 19 below which is \_\_\_\_\_ ft. below surface.

12. Use: Dye., Stock, Municipal Supply, Ind., Irr., Waterflooding, Observation, Not Used.

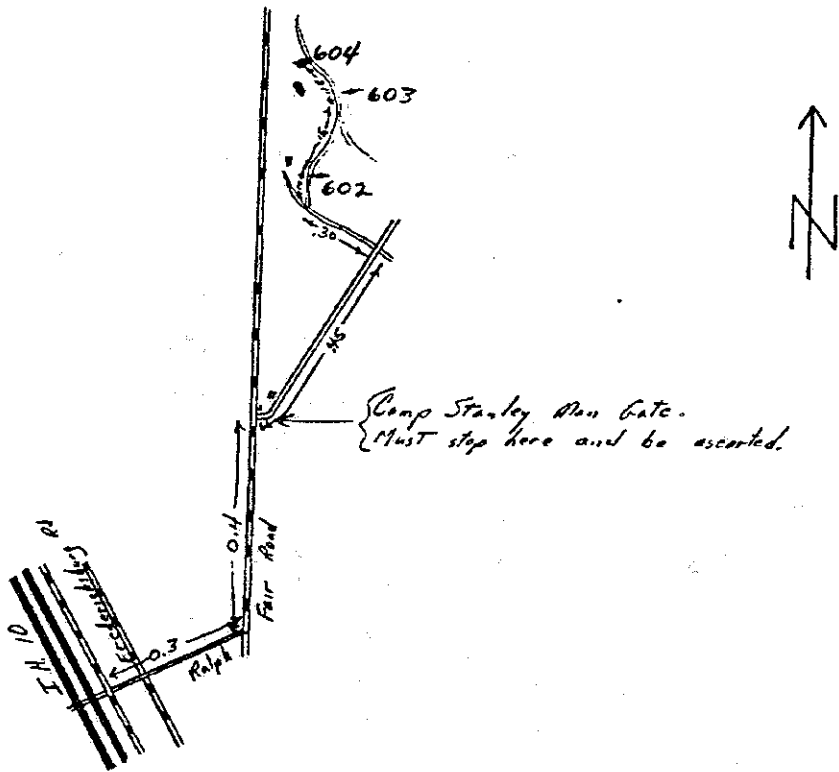
13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_  
Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

WELL SCREEN			
Screen Openings			
Dim. (in.)	Type	Setting, ft.	
		from	to

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log, \_\_\_\_\_ file  
Formation Samples, Pumping Test.

15. Record by: John Ashworth Date 2-10 1976  
Source of Data E-log, ground report, field visit

16. Remarks: \_\_\_\_\_  
Stop at main gate and ask to be escorted to wells



Water Quality Sampling Run

SWN: 68-19-60Z  
 County: Baylor  
 Aquifer(s): 118 EREC  
 Camp Stanley Storage Facility  
 Name: 610 McC. Paul P. Oliver  
 Address: P.O. Box 60627  
San Antonio, TX 78269-0627  
 Sample No. 68-19-60Z-821  
 Date: 6-15-94  
 By: P. C. Coe

Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 7	Total
1 liter	1 liter	1 Gallon	500 ml	1 <del>oz</del> glass		SUB-Samples 4
Anions	Calcium	Radioactivity	Nitrate	(TOC) Organics		
Preserve with:	2 ml HNO (Nitric)	5 ml HNO (Nitric)	1 ml H SO (Sulfuric)			All filtered unless otherwise stipulated. All on ice.
Water Level	_____ LSD	Remark	_____			Starting pH <u>7.01</u>
Temperature (00010)	<u>22.4</u> °C					<u>138.5</u> ml. of 0.02N Iodine
Specific Conductance (00084)	<u>689</u> µmhos/cm					<u>50</u> ml. of Sample
pH (00400)	<u>6.89</u>					Ending pH <u>4.51</u>
Eh (00090)	<u>-97.3</u> mv.					
Phenol ALK (82244)	<u>0</u> mg/l					
Total ALK (39088)	<u>2770</u> mg/l					
Carbonate (00452)	<u>0</u> meq/l					
Bicarbonate (00453)	<u>554</u> meq/l					
Total Cations (+)	_____					
Total Anions (-)	_____					
Total Hardness (48570)	<u>320</u>					
Dissolved Solids (70301)	<u>345</u>					

Time	15:00	15:05	15:10	15:15	15:20	15:25	15:30	15:35	15:40	15:45	15:50	15:55	16:00
pH	6.96	7.44	7.13	6.91	6.88	6.89	6.84	6.84	6.76	6.76	6.76	6.76	6.76
Temp	23.1	23.1	23.3	23.2	22.6	22.4	23	23	23	23	23	23	23
Et													
Cond.	549	547	520	509	556	541	556	541	540	540	540	540	540

Time in: 14:45 (Pump on 14:55)  
 Time out: 16:25  
 Weather: cloudy wet (raining at)  
 Outside Temp: \_\_\_\_\_  
 Sampling point: F.R.W.

other notes:

MAP ID

51

Texas Water Development Board  
**Chemical Water Analysis Report**

HM. CL 1994 821  
 HM = Heavy Trace and Alkaline-Earth Metals

TWDB Use Only  
 Work No. \_\_\_\_\_  
 IAC No. \_\_\_\_\_

Send Reply To:  
 Ground Water Unit  
 Texas Water Development Board  
 P.O. Box 13231  
 Austin, Texas 78711

Attention: Phil Nordstrom State Well Number: 19-602 68-20-4  
 County: Bexar Date & Time: 6/15/94 15:25  
 Owner: Camp Stanley Storage Activity c/o Paul D. Oliver  
 & Send Copy To Owner  
 Address: P.O. Box 690627, San Antonio, Tx 78269-0627 Sampled After Pumping: 0.5 Hours  
 Date Drilled: \_\_\_\_\_ Depth: ~500' Yield: \_\_\_\_\_ GPM  Measured  Estimated  
 Collection Point: F.A.W. pH 6.89 Use: public supply Temperature: 22.4 °C  
 By: Cindy Lee Specific Conductance: 551

Requested Chemical Analysis

Laboratory No. [REDACTED] Date Received: JUN 17 1994 Date Reported: JUL 29 1994

		mg/L			mg/L
Calcium	(00915)	<u>87</u>	Sodium	(00930)	<u>8.1</u>
Magnesium	(00925)	<u>24</u>	Potassium	(00935)	<u>1.9</u>
Lithium	(01130)	<u>&lt;0.010</u>	[Convert to µg/L for Data Entry]		
		µg/L			µg/L
Aluminum	(01106)	<u>&lt;40</u>	Manganese	(01056)	<u>&lt;1.0</u>
X Antimony	(01095)	<u>&lt;2.0</u>	Mercury	(71890)	<u>&lt;0.13</u>
X Arsenic	(01000)	<u>&lt;2.0</u>	Molybdenum	(01062)	<u>20</u>
Barium	(01005)	<u>35.6</u>	Nickel	(01065)	<u>&lt;10</u>
Beryllium	(01010)	<u>&lt;2.0</u>	X Selenium	(01145)	<u>&lt;4.0</u>
Cadmium	(01025)	<u>&lt;0.5</u>	Silver	(01075)	<u>&lt;10</u>
Chromium	(01030)	<u>&lt;10</u>	Strontium	(01080)	<u>2150</u>
Cobalt	(01035)	<u>&lt;10</u>	X Thallium	(01057)	<u>&lt;2.0</u>
Copper	(01040)	<u>&lt;4.0</u>	Vanadium	(01085)	<u>&lt;10</u>
Iron	(01048)	<u>&lt;10</u>	Zinc	(01090)	<u>73.0</u>
Lead	(01049)	<u>&lt;5.0</u>			

Note: Crossout those elements not to be analyzed.

Texas Water Development Board  
**Chemical Water Analysis Report**

RAD - CL 1994. 821  
RAD = Radioactivity Sample

**TWDB Use Only**  
Work No. \_\_\_\_\_  
IAC No. \_\_\_\_\_

Send Reply To:  
Ground Water Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711

Attention: Phil Nordstrom State Well Number: 19-602  
18-284  
Country: Bexar Date & Time: 6/15/94 15:25  
Owner: Camp Stanley Storage Activity  Send Copy To Owner  
Address: \_\_\_\_\_ Sampled After Pumping: 0.5 Hours  
Date Drilled: \_\_\_\_\_ Depth: \_\_\_\_\_ Yield: \_\_\_\_\_ GPM  Measured  Estimated  
Collection Point: \_\_\_\_\_ pH: \_\_\_\_\_ Use: \_\_\_\_\_ Temperature: \_\_\_\_\_ °C  
By: Cindy Lee Specific Conductance: \_\_\_\_\_

**Requested Chemical Analysis**

Laboratory No. [REDACTED] Date Received: JUN 17 1994 Date Reported: AUG 29 1994

Alpha	(01503)	<u>&lt; 2.1</u>	pCi/l
Beta	(03503)	<u>&lt; 4.8</u>	pCi/l
Radium 226	(09503)	<u>0.7 ± 0.1</u>	pCi/l
Radium 228	(81366)	<u>&lt; 1.0</u>	pCi/l
[REDACTED]	(11500)	_____	pCi/l
[REDACTED]	(26403)	_____	pCi/l
[REDACTED]	(22703)	_____	pCi/l



Texas Water Development Board  
**Chemical Water Analysis Report**

GWN. CL. 1994. 821  
(Nitrogen Cycle)

*TWDB Use Only*

Work No. \_\_\_\_\_

IAC No. \_\_\_\_\_

Send Reply To:  
Ground Water Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711

Attention: Phil Nordstrom State Well Number: 19-602  
68-204

County: Bexar Date & Time: 6/15/94 15:25

Owner: Camp Stanley  Send Copy To Owner

Address: \_\_\_\_\_ Sampled After Pumping: 0.5 Hours

Date Drilled: \_\_\_\_\_ Depth: \_\_\_\_\_ Yield: \_\_\_\_\_ GPM  Measured  Estimated

Collection Point: \_\_\_\_\_ pH \_\_\_\_\_ Use: \_\_\_\_\_ Temperature: \_\_\_\_\_ °C

By: Cindy Lee Specific Conductance: \_\_\_\_\_

Requested Chemical Analysis: \_\_\_\_\_

Laboratory No: \_\_\_\_\_ Date Received: JUN 17 1994 Date Reported: JUN 24 1994

THD-Sample No. EB4 1293	Date Received 06/17/94	Date Reported 06/23/94
	00623-	0.1 TKN as N mg/L
	00608-	0.02 Ammonia as N mg/L
	00613-	< 0.01 Nitrite as N mg/L
	00618-	1.07 Nitrate as N mg/L
00671-	0.01 Orthophosphate as P mg/L	

\*Note: To convert NO<sub>2</sub>-N to NO<sub>3</sub>, multiply by 4.427.

MAP ID  
51

Texas Water Development Board  
**Chemical Water Analysis Report**

GWR CL - 1994. 821  
(Anions)

**TWDB Use Only**  
Work No. \_\_\_\_\_  
IAC No. \_\_\_\_\_

Send Reply To:  
Ground Water Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711

Attention: Phil Nordstrom State Well Number: 19-602  
County: Baylor State Well Number: 68-20-4  
Owner: Camp Stanley Storage Activity Date & Time: 6/15/94 15:25  
Address: \_\_\_\_\_ Send Copy To Owner  
Date Drilled: \_\_\_\_\_ Depth: \_\_\_\_\_ Yield: \_\_\_\_\_ GPM  Measured  Estimated  
Collection Point: \_\_\_\_\_ pH \_\_\_\_\_ Use: \_\_\_\_\_ Temperature: \_\_\_\_\_ °C  
By: Cindy Lee Specific Conductance: \_\_\_\_\_

**Requested Chemical Analysis**

Laboratory No. [REDACTED] Date Received: JUN 17 1994 Date Reported: JUN 29 1994

THD-Sample No. EB4 1309 Date Received 06/17/94 Date Reported 06/28/94  
Silica (00955) MEG/L 11 Chloride (00941) 0.42  
Sulfate (00946) 0.48  
Fluoride (00950) 0.04  
P-Alkalinity(00415) 0.00 0  
T-Alkalinity(00410) 5.64 282  
Bromide (71870) 0.23

\* Convert mg/l Boron to ug/l for data entry.

# SCHLUMBERGER WELL SURVEYING CORPORATION

HOOUSTON, TEXAS



## Electrical Log

LOCATION OF WELL WATER WELL # 9  
COMPANY CAMP STANLEY

COMPANY CAMP STANLEY  
AY-63-19-3  
WELL WATER WELL  
# 9  
FIELD \_\_\_\_\_  
LOCATION 2.68 miles from North Sec  
0.04 " " East "  
COUNTY BEXAR  
STATE TEXAS

Other Surveys  
NONE  
Location of Well  
VAN RAUB Quad,  
2.68 miles from North Sec  
0.04 " " East "  
Elevation: D.F.: \_\_\_\_\_  
K.B.: \_\_\_\_\_  
or G.L.: 1280 Tm  
FILING No. SG-20

RUN No.	ONE								
Site	9-15-58								
1st Reading	546								
2nd Reading	310								
Depth Measured	236								
Log. Schlum.	---								
Log. Driller	---								
Depth Reached	547								
Bottom Driller	*								
Depth Datum	TOP OF 8 5/8" CSG								
Fluid Nat.	WATER								
Sp. Visc.	*								
Fluid Resist.	* @ F @ F @ F @ F @ F @ F								
Res. BHT	* @ F @ F @ F @ F @ F @ F								
Rmf	* @ F @ F @ F @ F @ F @ F								
Rmc	* @ F @ F @ F @ F @ F @ F								
pH	* @ F @ F @ F @ F @ F @ F								
Wtr. Loss	* CC 30 min. CC 30 min. CC 30 min. CC 30 min. CC 30 min.								
Size	*								
logs.—AM	16"								
AM'	64"								
AO	18'8"								
Log Time	1 HR								
No.	2777 PL								
Recorded By	LUNDSCHEN								
Witness	WADE & BURKETT								

9

REMARKS  
\* NOT AVAILABLE

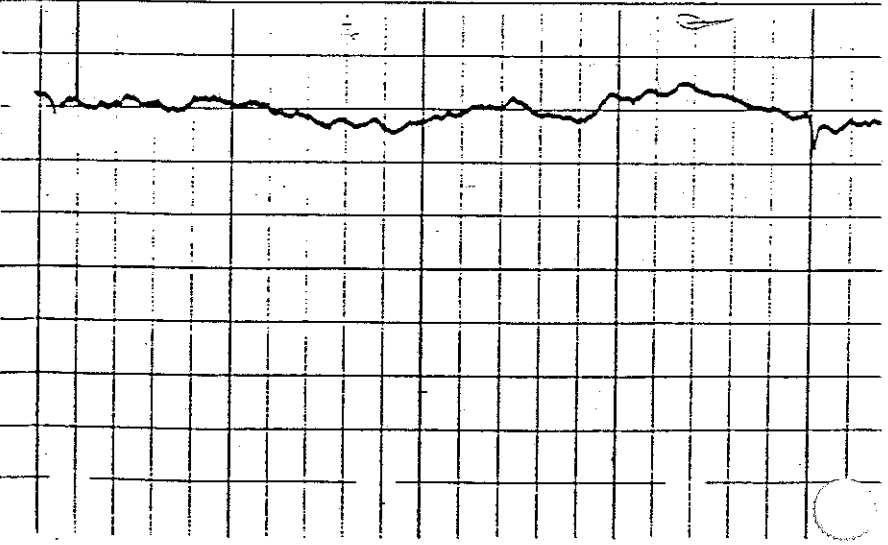
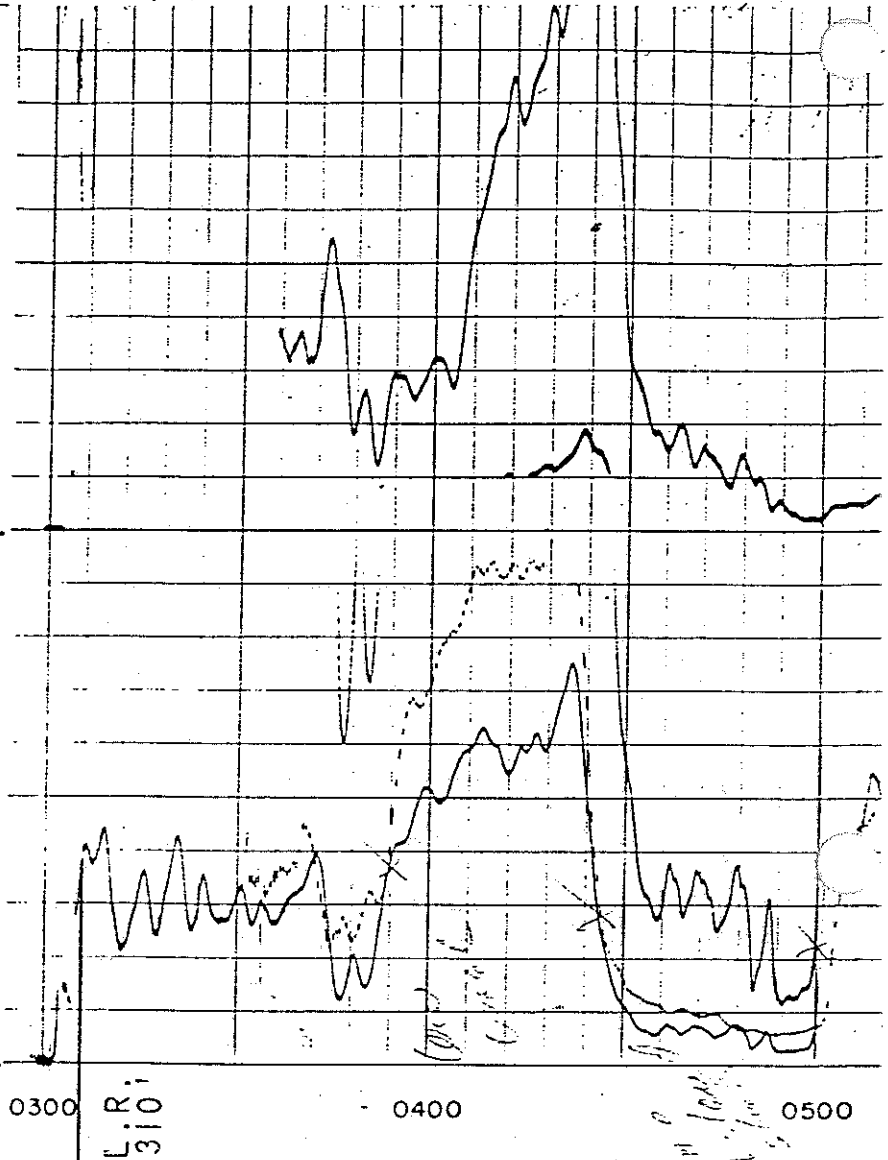
RESISTIVITY	ohms. m <sup>2</sup> /m
RESISTIVITY	ohms. m <sup>2</sup> /m
SPONTANEOUS-POTENTIAL	millivolts
DEPTHS	

10



0	AM=16"	500	0	A0±18'8"	500
0	AM=16"	5000	0	A0±18'8"	5000
0	AM'±64"	500			
0	AM'±64"	5000			

24100

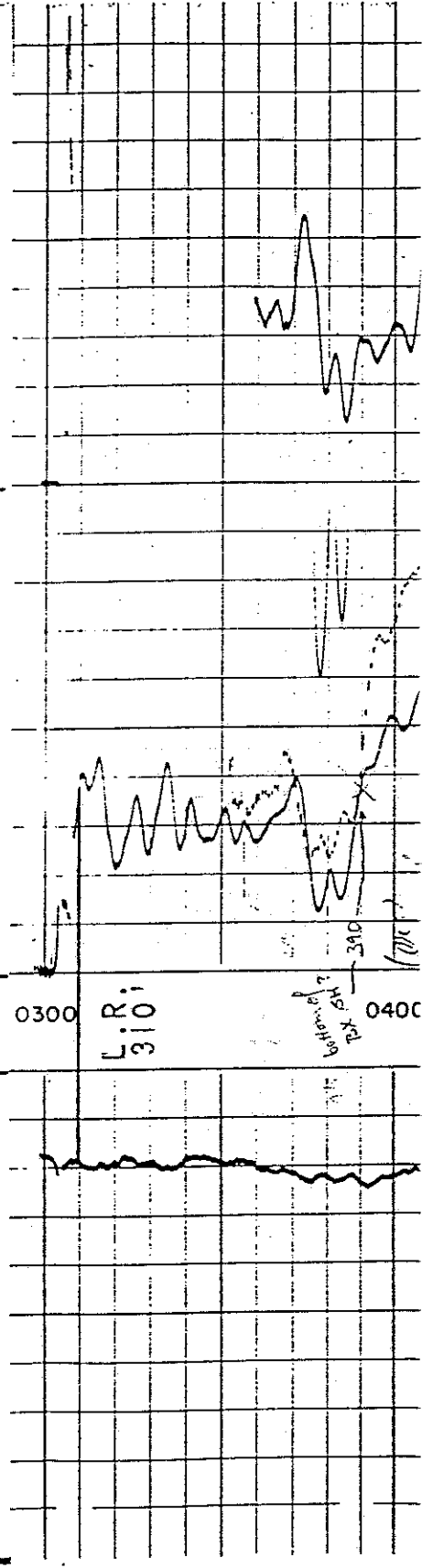


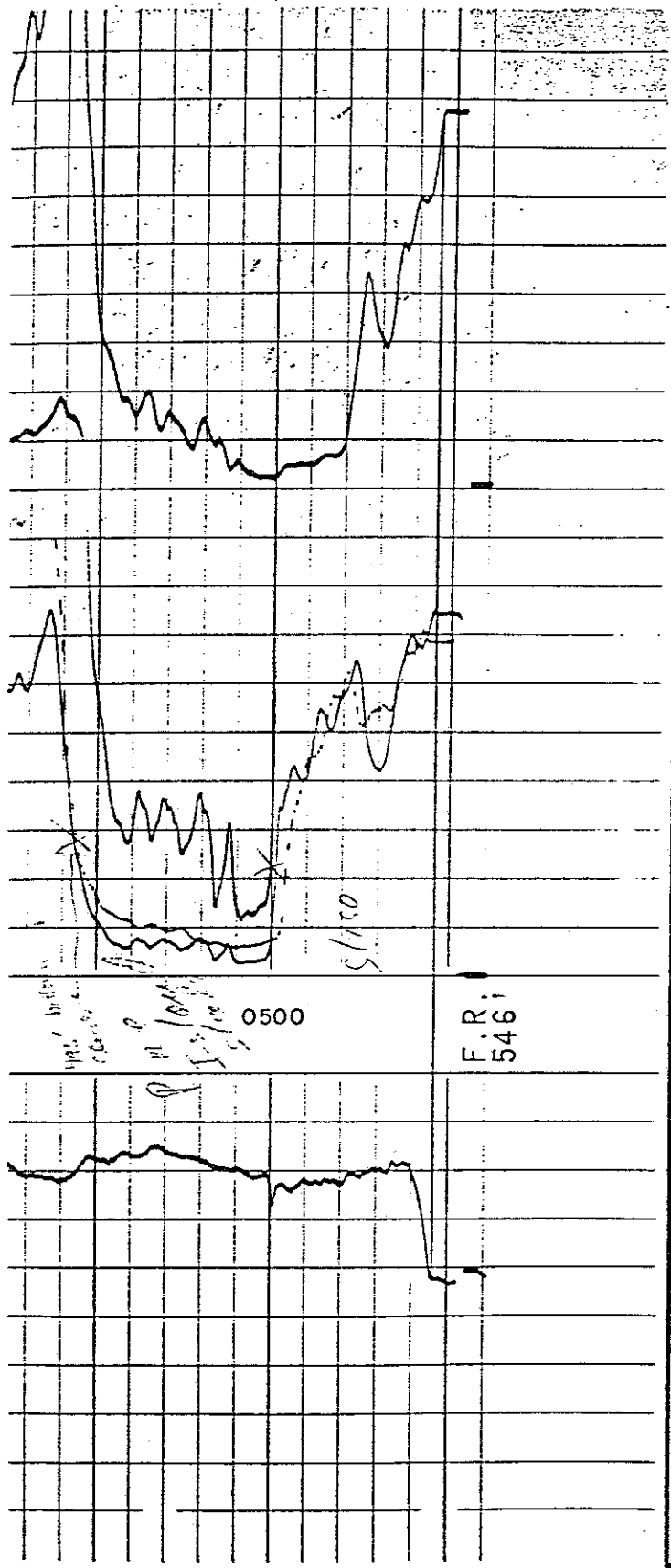
RE 8KS

\* NOT AVAILABLE

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms. m <sup>2</sup> /m	RESISTIVITY ohms. m <sup>2</sup> /m
10 ↕		0 AMP. AM=16" 100	A0±18'8" 500
		0 AM=16" 500	A0±18'8" 5000
		0 AM±64" 500	
		0 AM±64" 5000	

2±100





0	AMP.	AM=16"	100	500	5000
0		AM=16"	500	0	A0=18'8"
0		AM=16"	5000	0	A0=18'8"
0		AM'=64"	500		
0		AM'=64"	5000		

SPONTANEOUS-POTENTIAL  
millivolts

RESISTIVITY  
-ohms. m<sup>2</sup>/m

RESISTIVITY  
-ohms. m<sup>2</sup>/m

COMPANY CAMP STANLEY

WELL WATER WELL # 9

FIELD STATE TEXAS

Rm  
Rmf  
Rmc

BHT

F SWSC FR 546  
F SWSC TD 547  
F DRIR TD  
F Elev:

KB  
DF  
GL

# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-10

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-603
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3285223
<i>Longitude (UTM):</i>	535991
<i>Elevation (Feet MSL):</i>	1328.3

### WELL COMPLETION DATA

<i>Date Drilled:</i>	07-Aug-58
<i>Well Depth (feet bgs):</i>	559
<i>Casing Diameter (inches):</i>	10-3/4
<i>Casing Depth (feet bgs):</i>	390
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	528

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	320.61 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

### OTHER NOTES

Geophysical survey conducted on August 7, 1958.

TEXAS WATER DEVELOPMENT BOARD  
WELL SCHEDULE

L. Glen Rose  
Hansell  
Aquifer - Land-Creek

Field No. \_\_\_\_\_  
Owner's Well No. #10

State Well No. 68-19-603  
County Bezar

1. Location: 1/4 1/8 Sec. Block Survey  
Lat. 29° 41' 48" Long 98° 37' 40" EL. 0.15 HL 38

2. Owner: Camp Stanley Address: \_\_\_\_\_  
Sup: Virgil Fielding Address: \_\_\_\_\_  
Drillers: \_\_\_\_\_ Address: \_\_\_\_\_

3. Elevation of LSD is 1325 ft. above well, determined by Topo

4. Drilled: R-7 1958; Log, Cable Tool, Rotary

5. Depth: Rept. 559 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. \_\_\_\_\_ Type Submersible  
No. Stages 12, Bore Dia. \_\_\_\_\_ in., Setting 528 ft.  
Column Dia. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: Powl Eloc Make & Model \_\_\_\_\_ HP. 15

9. Yield: Flow \_\_\_\_\_ gpm, Pump \_\_\_\_\_ gpm, Meas., Rept., Est. \_\_\_\_\_

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_

Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.

Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Water Level: 362 ft. 11-10-1959 above LSD which is \_\_\_\_\_ ft. above surface.  
ft. rept. \_\_\_\_\_ 19 above which is \_\_\_\_\_ ft. above surface.  
ft. meas. \_\_\_\_\_ 19 below which is \_\_\_\_\_ ft. above surface.  
ft. rept. \_\_\_\_\_ 19 below which is \_\_\_\_\_ ft. above surface.  
ft. meas. \_\_\_\_\_ 19 above which is \_\_\_\_\_ ft. below surface.  
ft. rept. \_\_\_\_\_ 19 below which is \_\_\_\_\_ ft. below surface.

12. Log: Dom., Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used,

13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log in file

Formation Samples, Pumping Test,

15. Record by John Ashworth Date 2-10-1976

Source of Data E-log, ground water, field out

16. Remarks:

Stop at main gate and oil to be escorted to wells


CASING & BARK PIPE			
Cased From _____ ft. to _____ ft.		Setting, ft.	
Diam. (in.)	Type	From	To
---	Steel	0	390

WELL SCREEN			
Screen Openings			
Diam. (in.)	Type	Setting, ft.	
		From	To
	open hole	390	559



# SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



## Electrical Log

LOCATION WATER WELL # 10  
 COMPANY CAMP STANLEY

COMPANY CAMP STANLEY  
AY-68-1900-2d  
 WELL WATER WELL  
# 10  
 FIELD \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 COUNTY BEXAR  
 STATE TEXAS

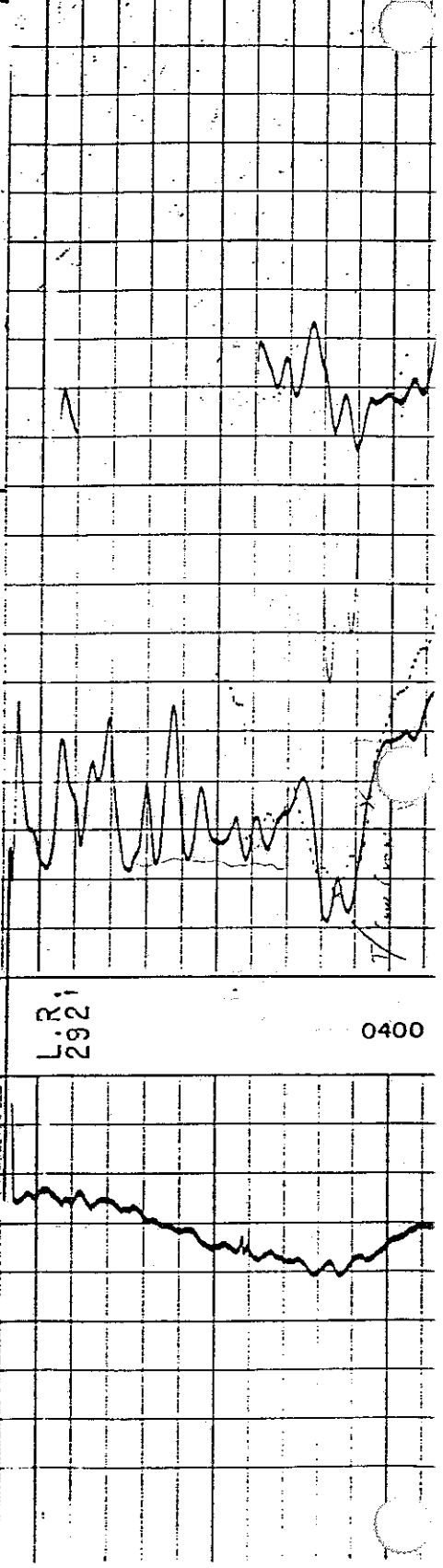
Other Surveys  
MC  
 Location of Well  
*Van Roub*  
*or*  
*Camp Miller Road*  
 Elevation: D.F.: \_\_\_\_\_  
 K.B.: \_\_\_\_\_  
 or G.L.: \_\_\_\_\_  
 FILING No. SG-20

RUN No.	ONE								
Date	8-7-58								
1st Reading	559								
2nd Reading	292								
Net Measured	267								
Log. Schlum.	---								
Log. Driller	---								
Depth Reached	560								
Bottom Driller	---								
Depth Datum	TOP OF 10 3/4" CSG.								
Log Nat.	---								
Cons. Visc.	*								
Log Resist.	* @	F	@	F	@	F	@	F	@
Res. BHT	* @	F	@	F	@	F	@	F	@
Rmf	* @	F	@	F	@	F	@	F	@
Rmc	* @	F	@	F	@	F	@	F	@
pH	* @	F	@	F	@	F	@	F	@
Wtr. Loss	* CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Log Size	*								
Loggs.—AM	16"								
AM'	64"								
AO	18'8"								
Rig Time	1 HR								
No.	2761 PL								
Recorded By	BAILEY								
Witness	HARRIS & WADE								

REMARKS \* NOT AVAILABLE

RESISTIVITY	ohms. m <sup>2</sup> /m
RESISTIVITY	ohms. m <sup>2</sup> /m
DEPTHS	
SPONTANEOUS-POTENTIAL	millivolts

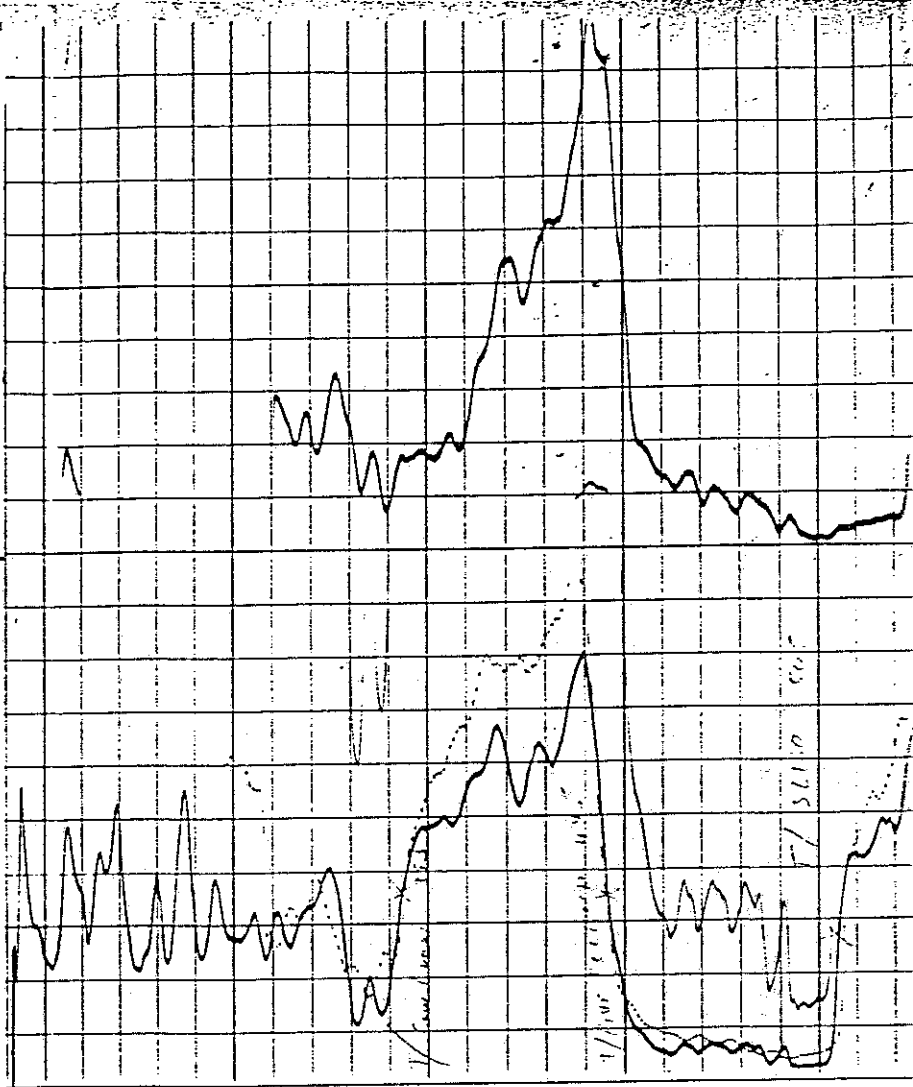
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms. m <sup>2</sup> /m	RESISTIVITY ohms. m <sup>2</sup> /m
10 ←→		0 AM=16" 100	A0=18'8" 500
		0 AM=16" 5000 0	A0=18'8" 5000
		0 AM=64" 500	
	24100'	0 AM=64" 5000	



10  
↑  
↓

0	AM = 16"	5000 0	5000 0	0	0
0	AM = 64"	500			
0	AM = 64"	5000			

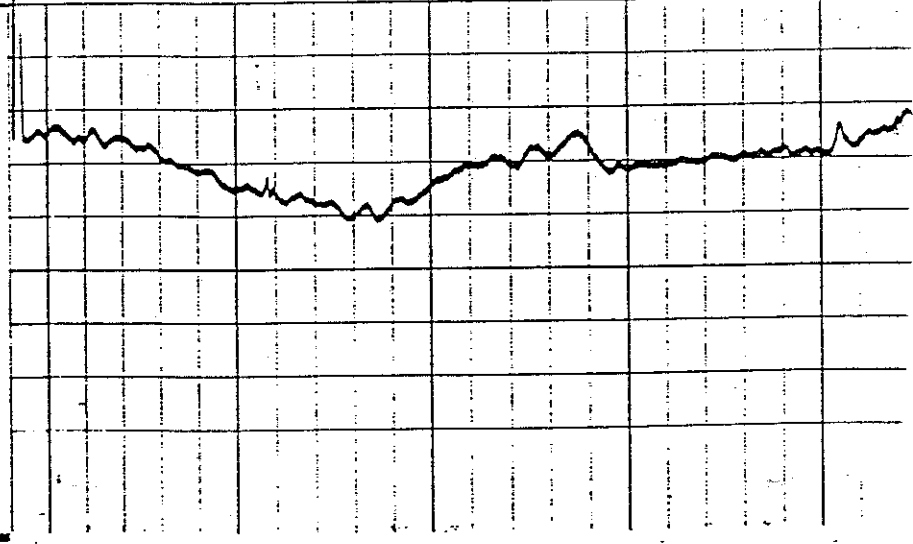
24100'



L.R. 292

0400

0500





# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-11

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-604
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3285383
<i>Longitude (UTM):</i>	535825
<i>Elevation (Feet MSL):</i>	1330.5

### WELL COMPLETION DATA

<i>Date Drilled:</i>	27-Aug-58
<i>Well Depth (feet bgs):</i>	529
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	213
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	510

<i>Well Yield (gpm):</i>	70
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	388.38 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

### OTHER NOTES

Geophysical survey conducted on April 2, 1996. Video survey completed on May 7, 1997.

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer L. Glen Para  
Hessell  
Cow Creek

Field No. \_\_\_\_\_  
Owner's Well No. 411

State Well No. 68-19-604  
County Bexar

1. Location: 1/4, 1/4 Sec., Block \_\_\_\_\_ Survey \_\_\_\_\_  
Lat. 29° 41' 53" Long. 98° 37' 50" E.L.O. 3 N. 3.2

2. Owner: Camp Stanley Address: \_\_\_\_\_  
Usual Fielding Address: \_\_\_\_\_

Driller: \_\_\_\_\_ Address: \_\_\_\_\_

3. Elevation of SSD is 1335 ft. above sea, determined by Traps

4. Drilled: 87-27 1058, Dig, Cable Tool, Rotary

5. Depth: Rept. 550 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfg. \_\_\_\_\_ type Submerged

No. Stages \_\_\_\_\_, Bore Dia. \_\_\_\_\_ in., Setting 525 ft.

Column Dia. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: Fuel Elec Make & Model \_\_\_\_\_ HP 15

9. Yield: Flow \_\_\_\_\_ gpm, Pump 70 gpm, Meas., Rept., Est.

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_

Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.

Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Water Level: ft. rept. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.

ft. meas. \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. below surface.

ft. rept. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.

ft. meas. \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. below surface.

12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used.

13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log in file

Formation Samples, Pumping Test.

15. Record by: John Ashworth Date 2-10 1976

Source of Data E-log, ground sup., Field visit

16. Remarks: \_\_\_\_\_

Stop at main gate and ask to be escorted to wells

\_\_\_\_\_

\_\_\_\_\_


CASING & BENT PIPE			
Cemented From		ft. to	
Diam. (in.)	Type	Setting, ft.	
		From	To
	Steel	unknown	

WELL SCREEN			
Screen Openings			
Diam. (in.)	Type	Setting, ft.	
		From	To

EDWARDS UNDERGROUND  
WATER DISTRICT

NATURAL GAMMA LOG

WELLING NO. Y681908  
#11)

COMPANY CAMP STANDLEY  
WELL AY-68-19-06  
FIELD GLEN ROSE  
COUNTY BEHAR STATE TEXAS

LOCATION:  
.25 MILES FROM THE EAST EDGE AND  
3.6 MILES FROM THE NORTH EDGE OF  
MAP AY-68-19(VAN RAUB TX QUAD)  
SEC TUP RGE

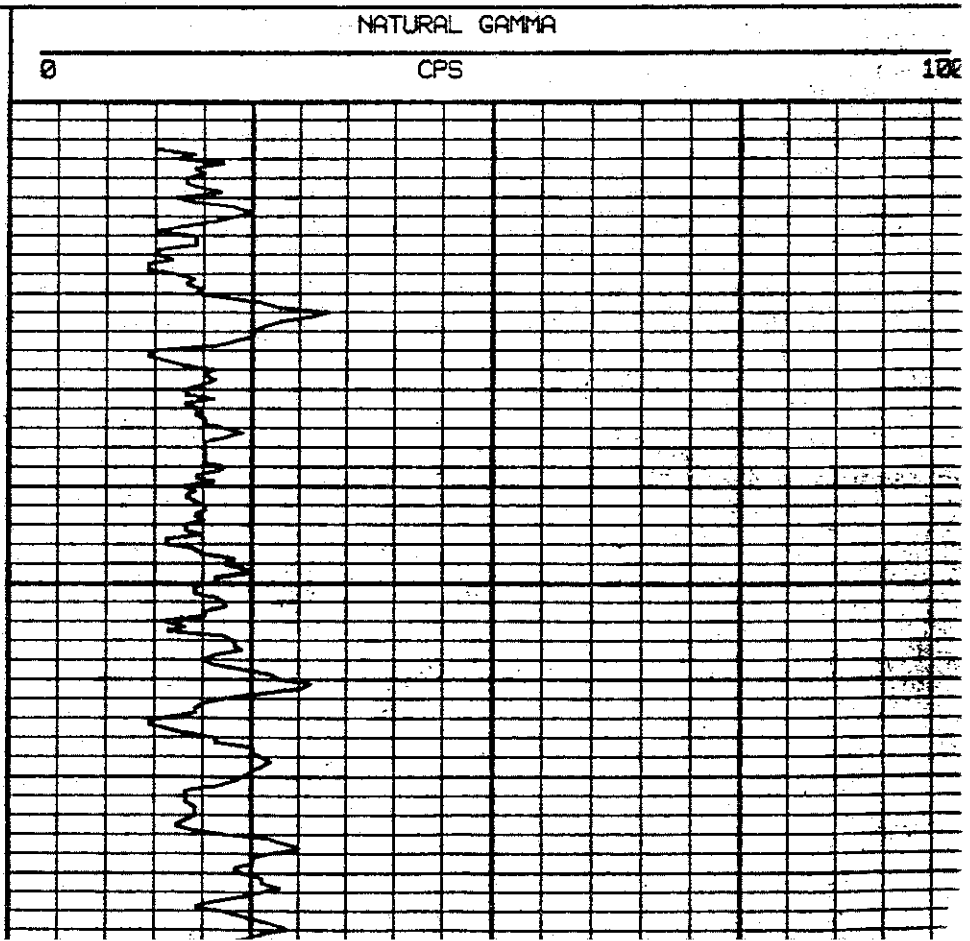
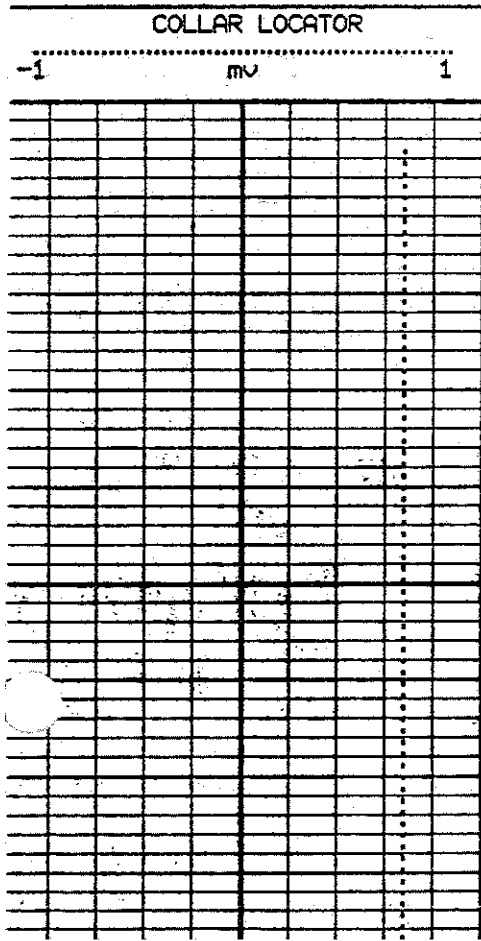
PERMANENT DATUM: LAND SURFACE ELEV: 1335'

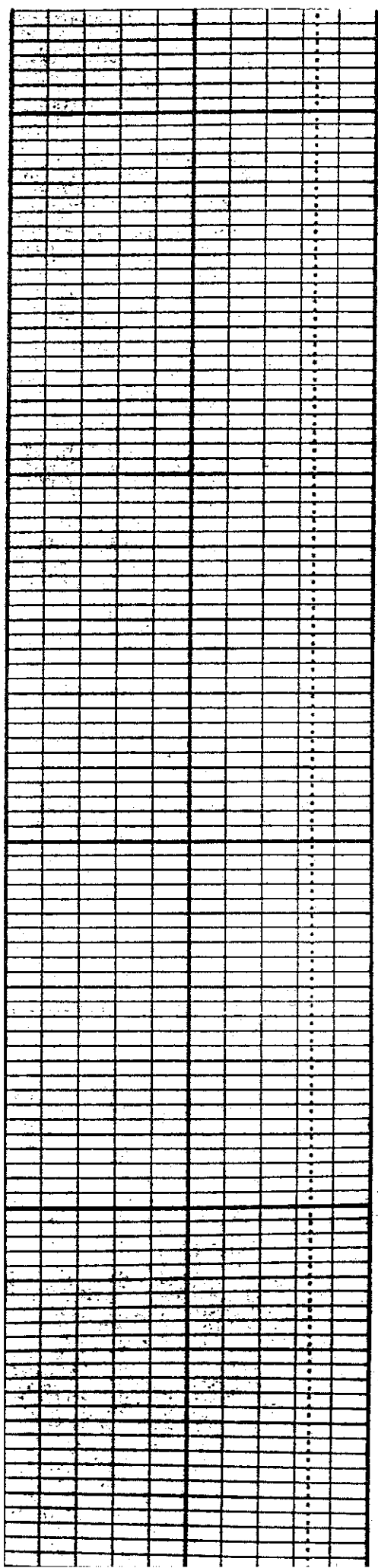
LOG MEASURED FROM 1.3 FT ABOVE PERM DATUM  
RILLING MEASURED FROM NA

OTHER SERV:  
LAT: 29-41-51  
LONG: 98-37-46  
ELEVATION:  
KB.  
DF.  
GL.

DATE	4-2-96			
UN NO.	GAMMA LOG			
DEPTH - DRILLER	NA			
DEPTH - LOGGER	533'			
OTTON LOGGED INT	533'			
OP LOGGED INT	0			
TYPE FLUID IN HOLE	GLEN ROSE			
SALINITY PPM CL.	NA			
DENSITY	NA			
LEVEL	389.06'			
9X TEMP DEG F	NA			
PERFECTING RIG TIME	NA			
OPERATOR	JAM			
FINISHED BY	NA			
UN BORE HOLE RECORD				
BIT	FROM	TO	SIZE	UGT.
			8" I.D.	NA
CASING RECORD				
	FROM	TO		
			0	375'

START DEPTH 0 FT DATE: 04-24-96 TIME: 10:29a FILE: CPSTAN11 PLAYBACK PROGRAM



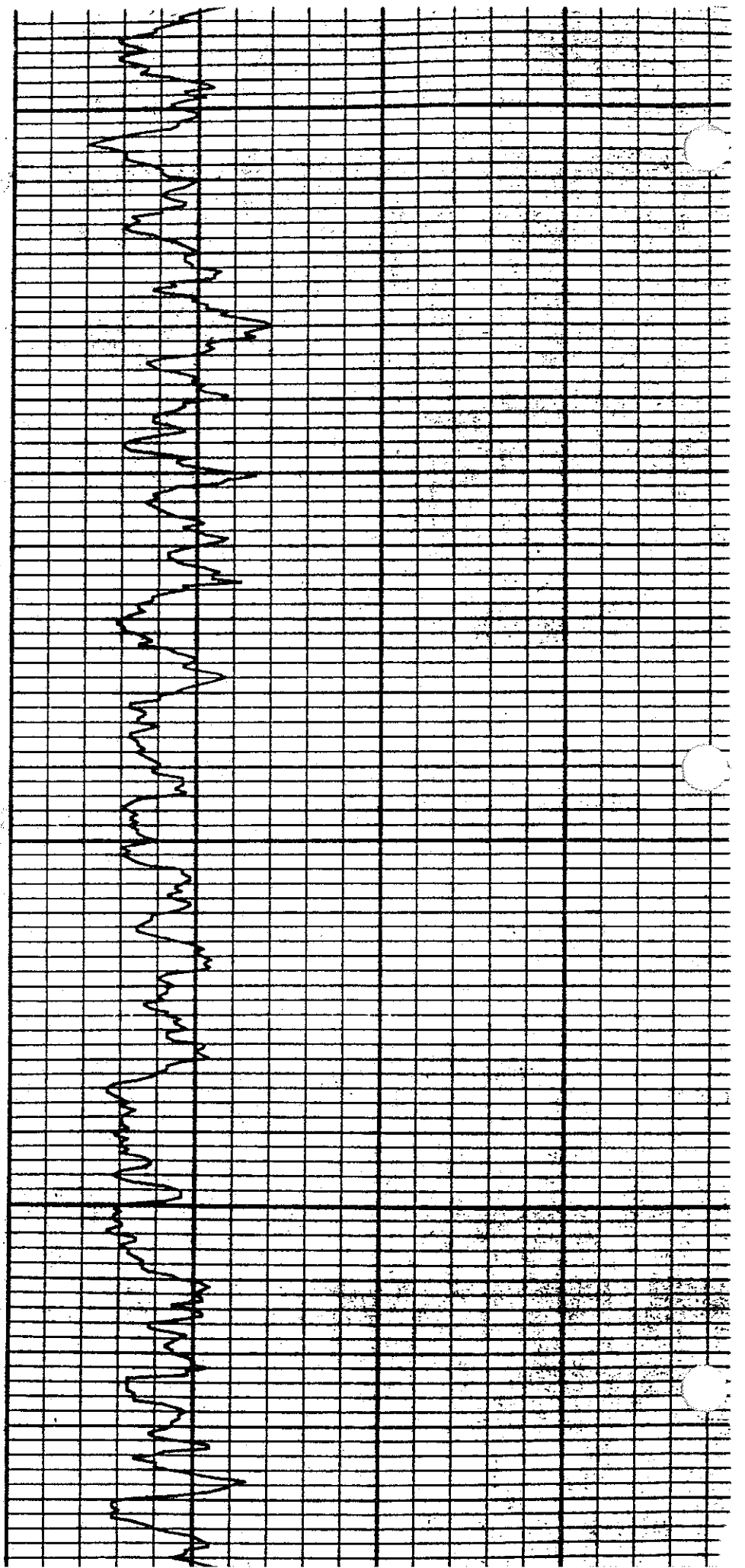


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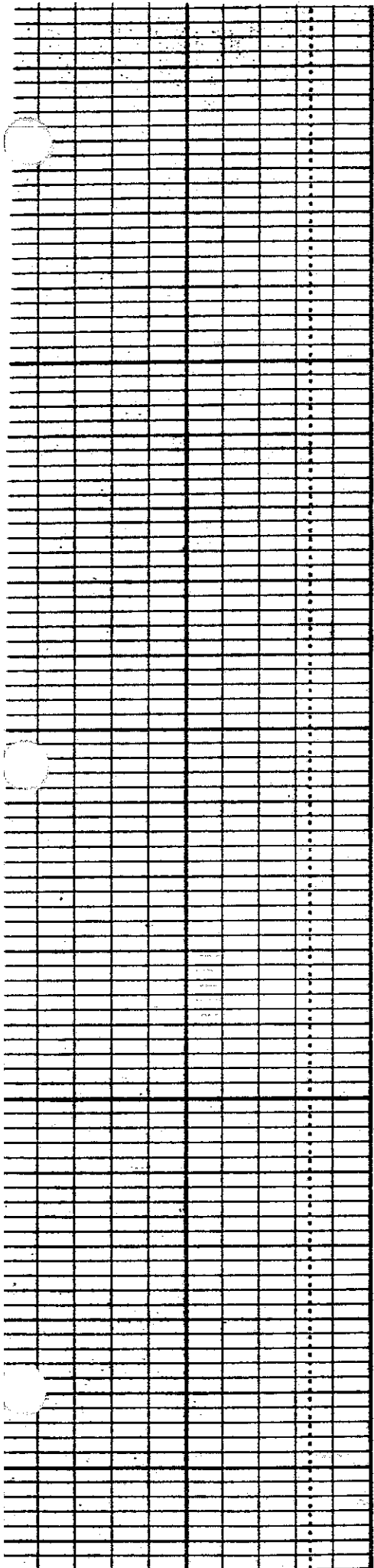
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200

250





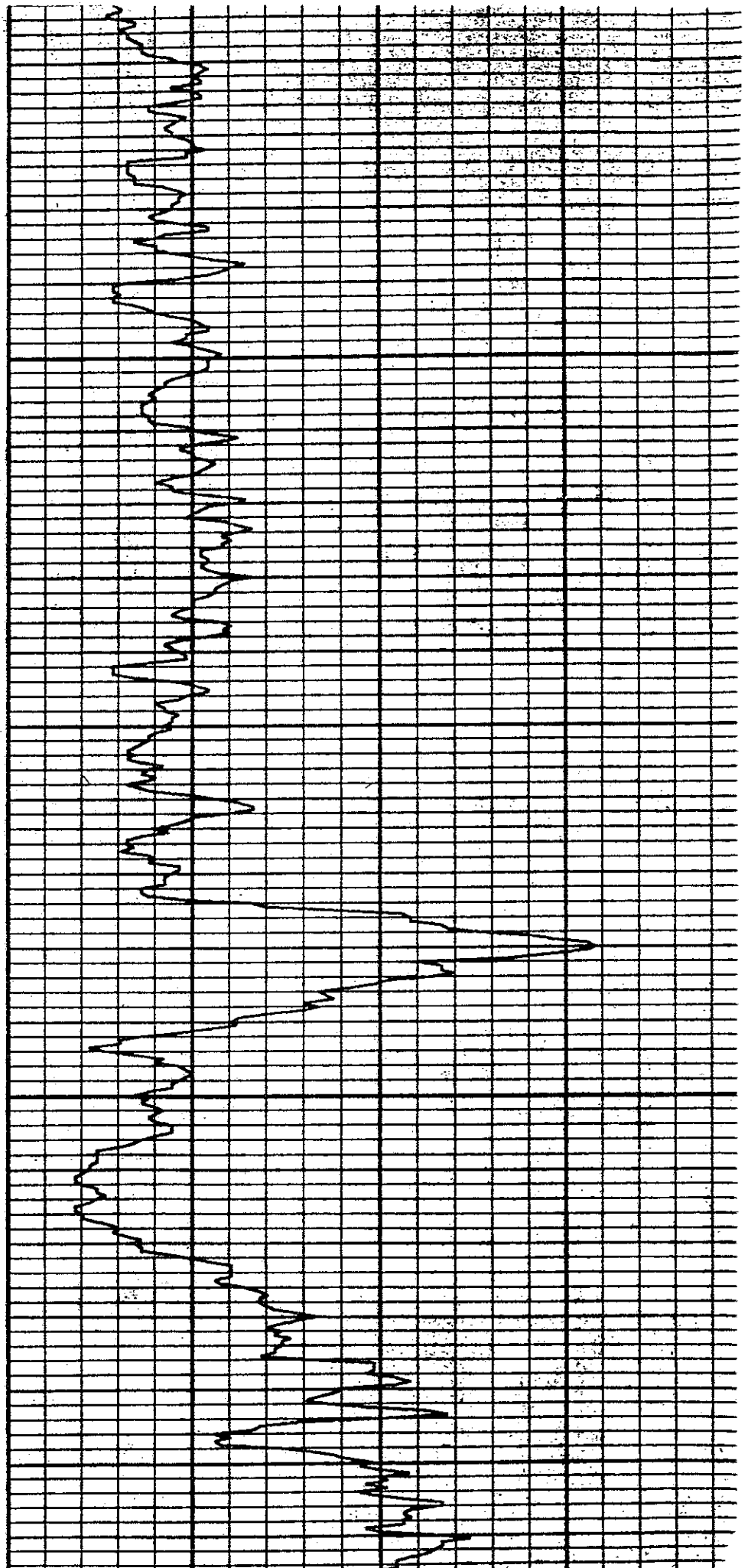


300

350

400

450





# SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



## Electrical Log

COMPANY CAMP STANLEY

AY-68-19 or 20

Other Surveys

MC

Location of Well

*Van Hook on  
Camp Bullis Road*

WELL WATER WELL # 11

FIELD \_\_\_\_\_

LOCATION \_\_\_\_\_

Elevation: D.F.: \_\_\_\_\_

K.B.: \_\_\_\_\_

or G.L.: 2227.7

COUNTY BEXAR

STATE TEXAS

FILING No. SG-20

LOCATION WATER WELL # \_\_\_\_\_  
 COMPANY CAMP STANLEY

RUN No.	ONE				
Date	8-27-58				
First Reading	550				
Last Reading	325				
Feet Measured	225				
Log. Schlum.	---				
Log. Driller	---				
Depth Reached	551				
Bottom Driller	---				
Depth Datum	GL				
Aud Nat.	WATER				
Dens. Visc.	*				
Aud Resist.	* @ F @ F @ F @ F @ F				
Res. BHT	* @ F @ F @ F @ F @ F				
Rmf	* @ F @ F @ F @ F @ F				
Rmc	* @ F @ F @ F @ F @ F				
pH	* @ F @ F @ F @ F @ F				
Wtr. Loss	* CC 30 min. CC 30 min. CC 30 min. CC 30 min. CC 30 min.				
Bit Size	*				
Spchs.—AM	16"				
AM'	64"				
AO	18'8"				
Rig Time	1 1/2 HRS.				
Truck No.	2777 PL				
Recorded By	LUNDSCHEN				
Witness	WADE				

FOLD HERE

REMARKS \* NOT AVAILABLE

RESISTIVITY  
ohms. m<sup>2</sup>/m

RESISTIVITY  
ohms. m<sup>2</sup>/m

DEPTHS

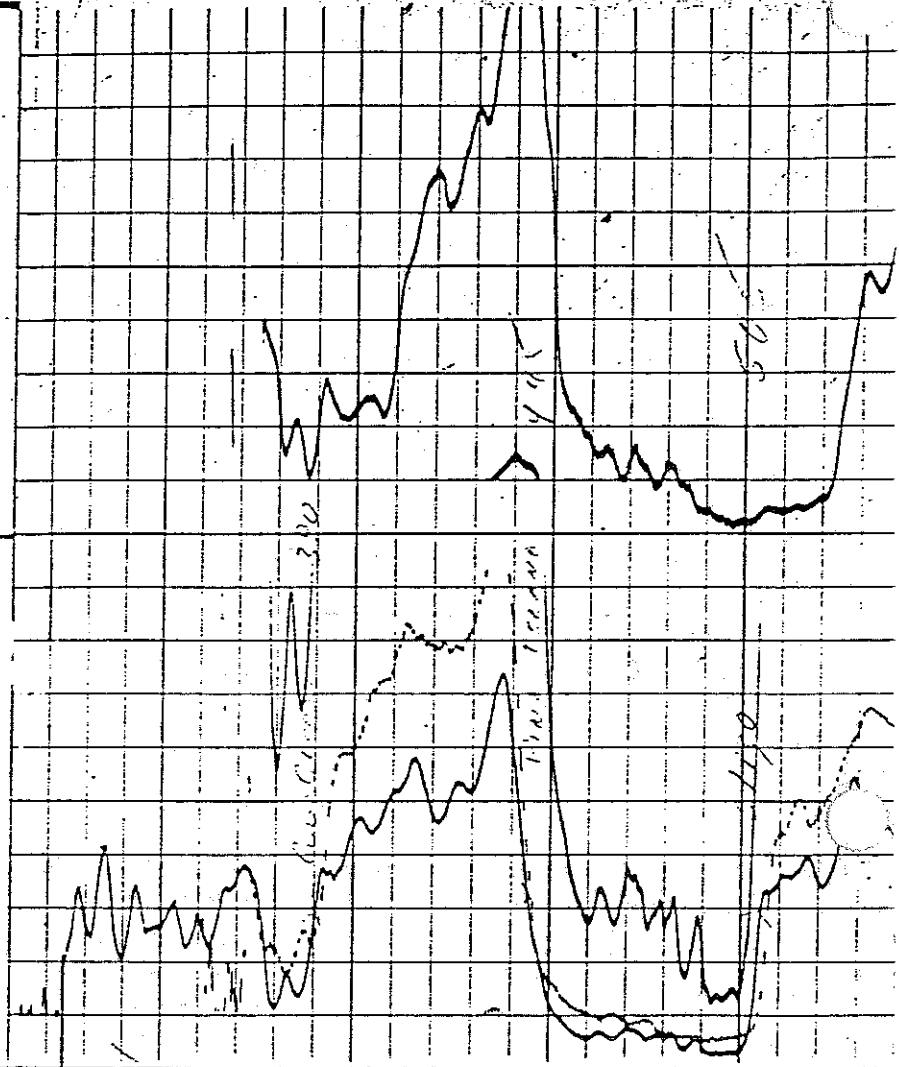
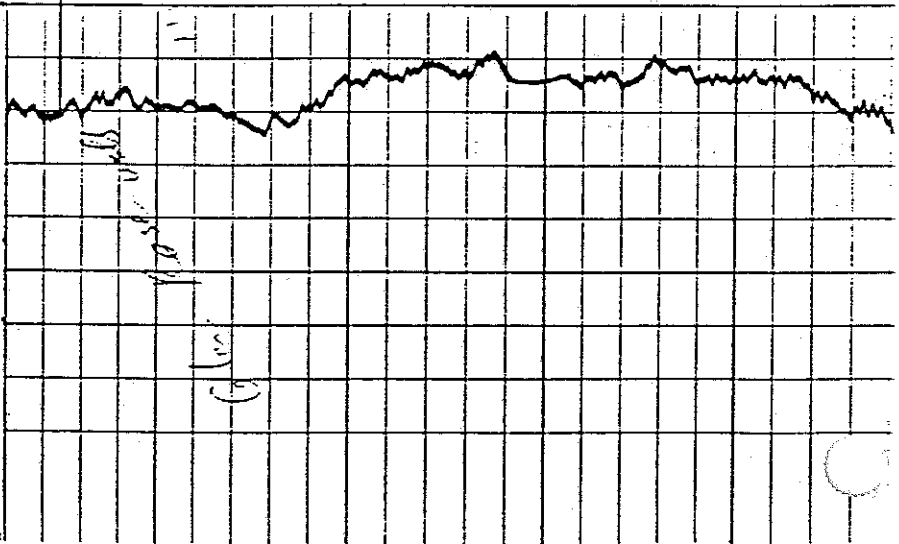
SPONTANEOUS-POTENTIAL  
millivolts

10



2#100'

0	AM=16"	500	0	A0=18'8"	500
0	AM=16"	5000	0	A0=18'8"	5000
0	AM'=64"	500			
0	AM'=64"	5000			

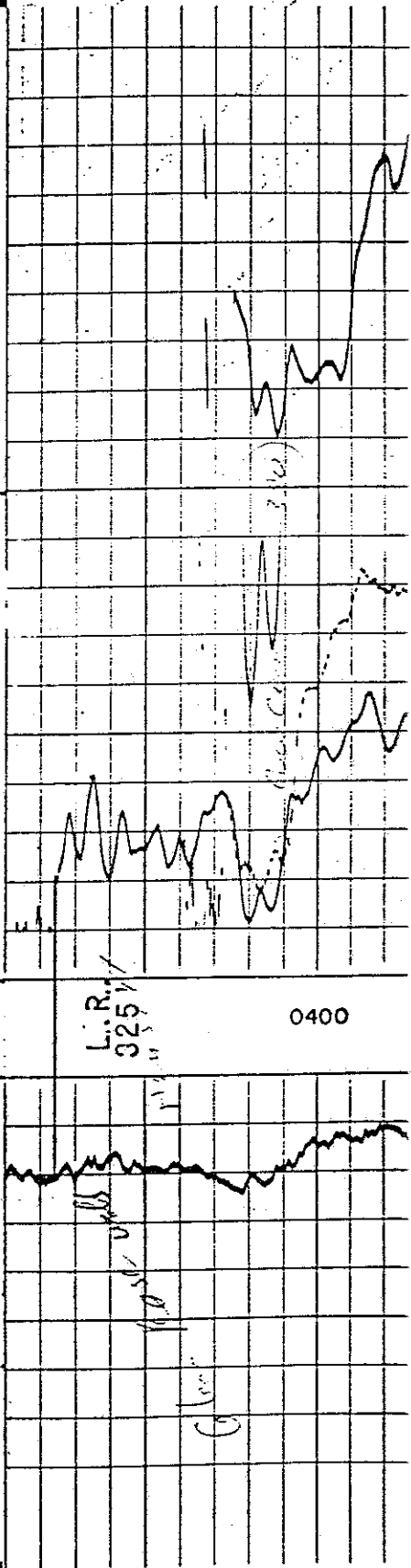


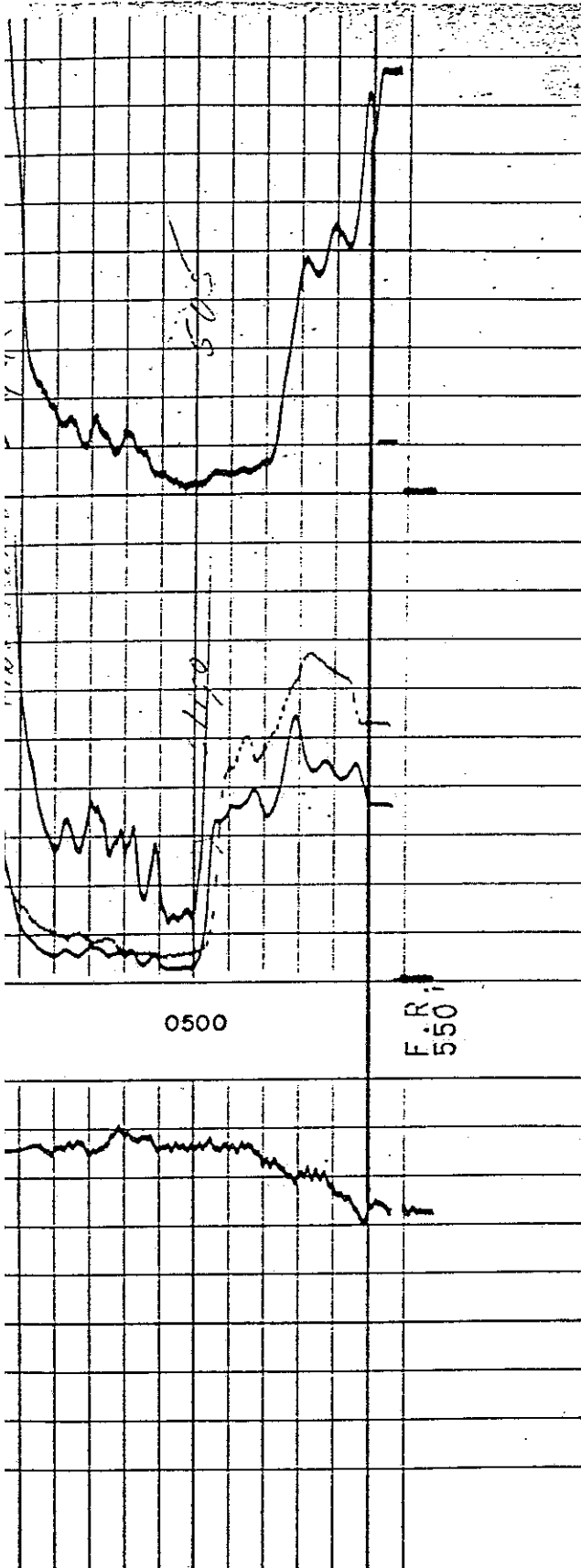
L.R. 325"

0400

0500

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms. m <sup>2</sup> /m	RESISTIVITY ohms. m <sup>2</sup> /m
<p>10 ←→</p>	<p>2#100'</p>	<p>0 AMP. AM=16" 100</p>	<p>A0=18'8" 500</p>
		<p>0 AM=16" 500</p>	<p>A0=18'8" 5000</p>
		<p>0 AM=16" 5000</p>	
		<p>0 AM'E64" 500</p>	
		<p>0 AM'E64" 5000</p>	





0	AMP	AM=16"	100	
0		AM=16"	500	AO=18'8"
0		AM=16"	5000	AO=18'8"
0		AM=64"	500	
0		AM=64"	5000	
SPONTANEOUS POTENTIAL		RESISTIVITY		RESISTIVITY
millivolts		-ohms. m <sup>2</sup> /m		-ohms. m <sup>2</sup> /m

COMPANY CAMP STANLEY SWSC FR 550'

WELL WATER WELL # 11 SWSC TD 551'

FIELD STATE TEXAS DRLR TD

Elev: \* KB

BHT \* DF

GL

DETAIL LOG

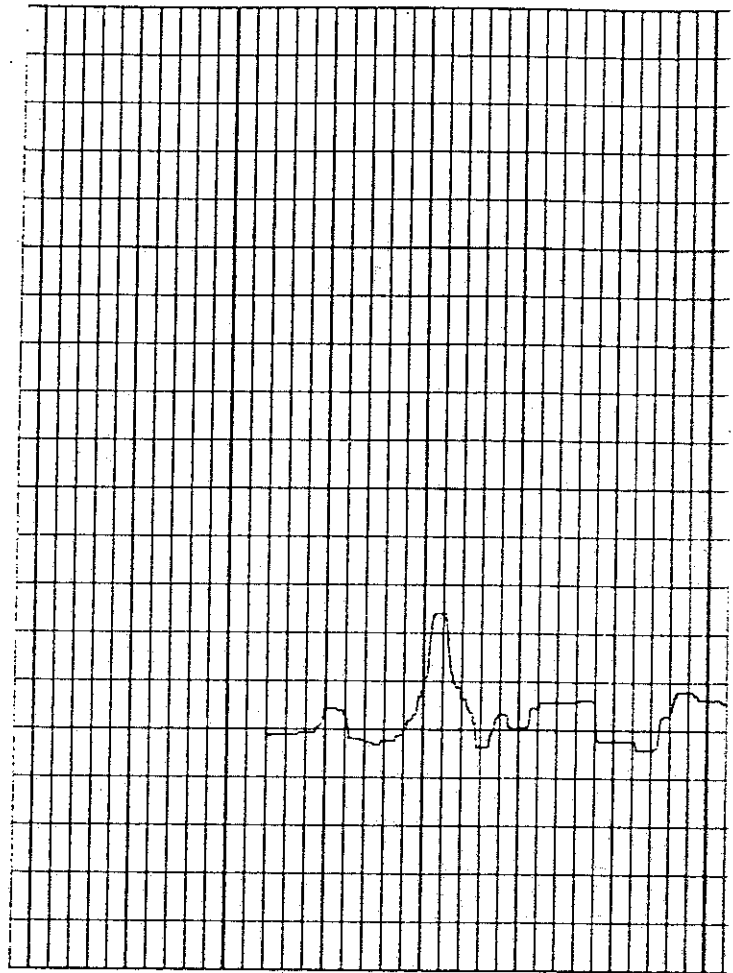
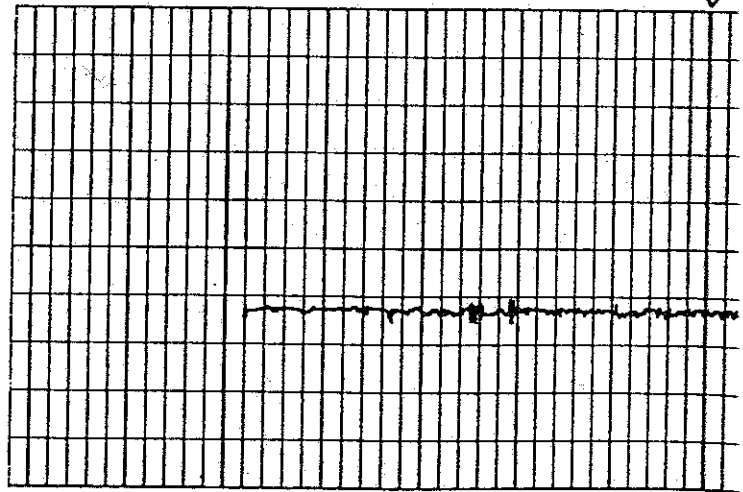
5" x 11" 00'

GAMMA

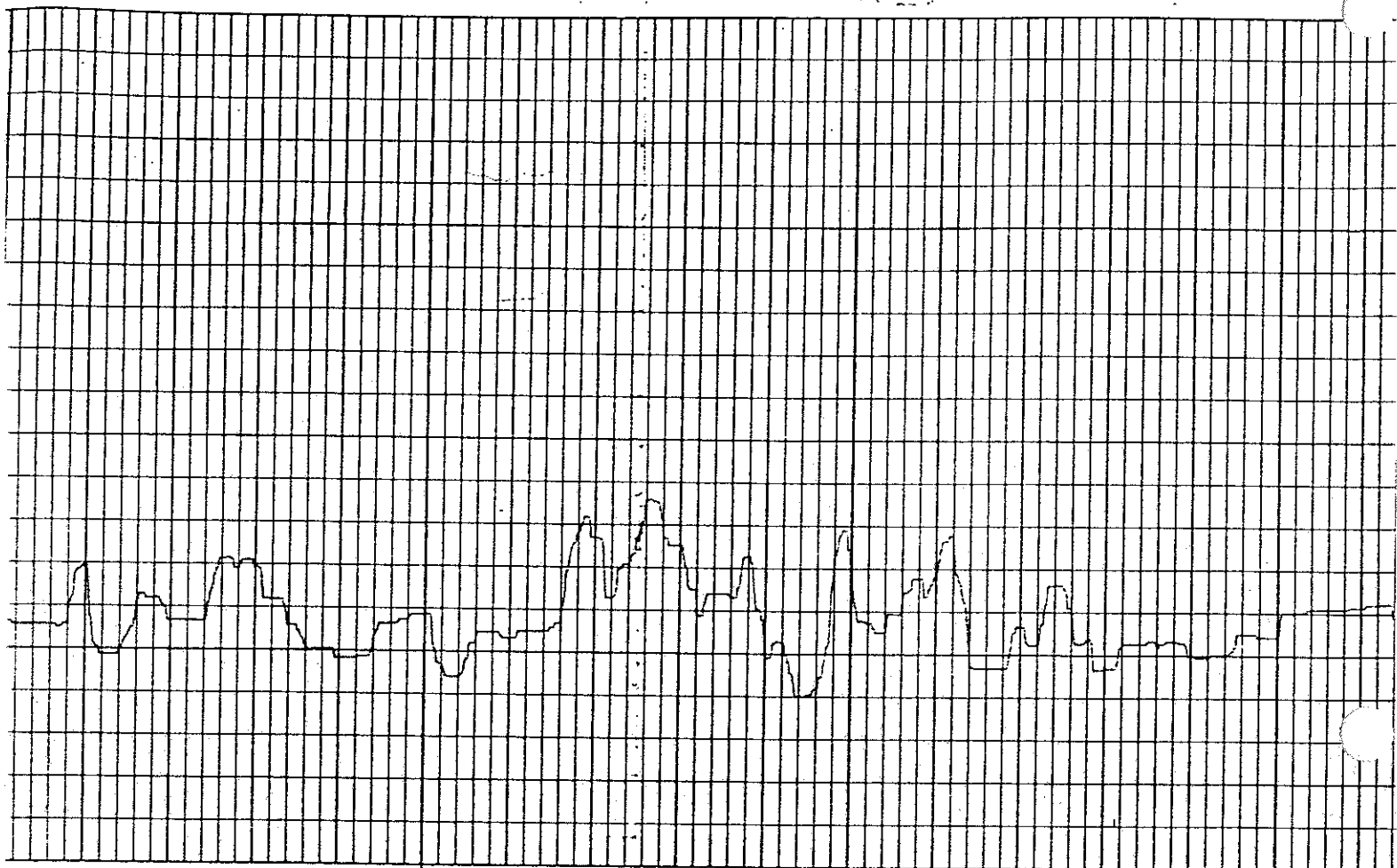
C.P. Stanley

4-2-86

Well #11



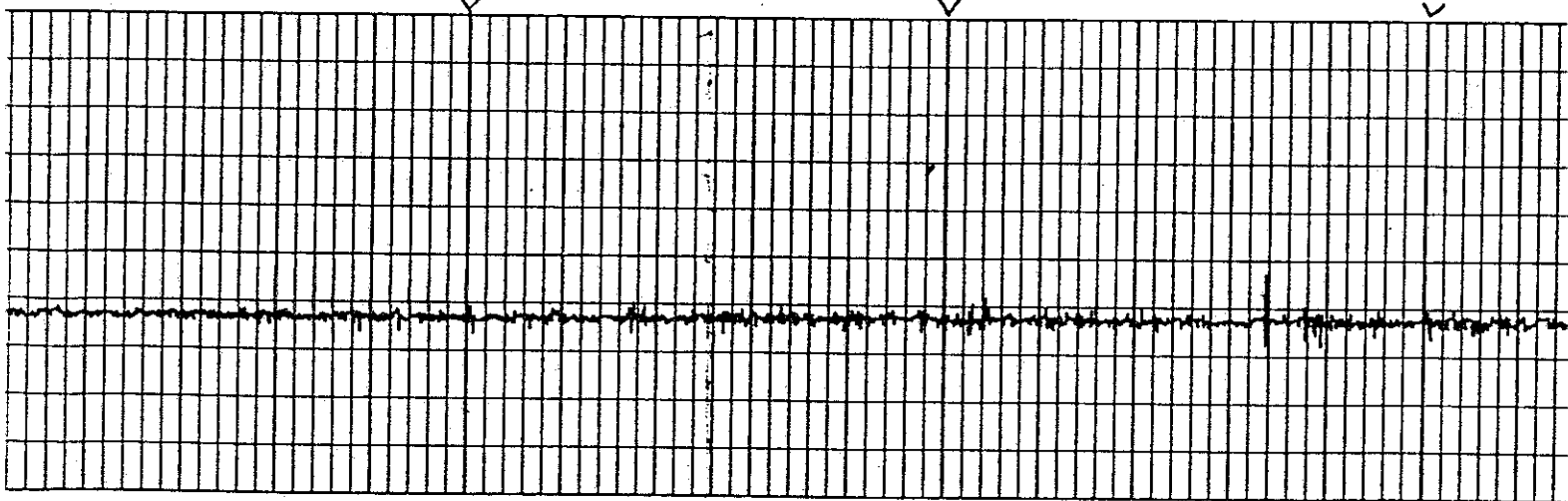
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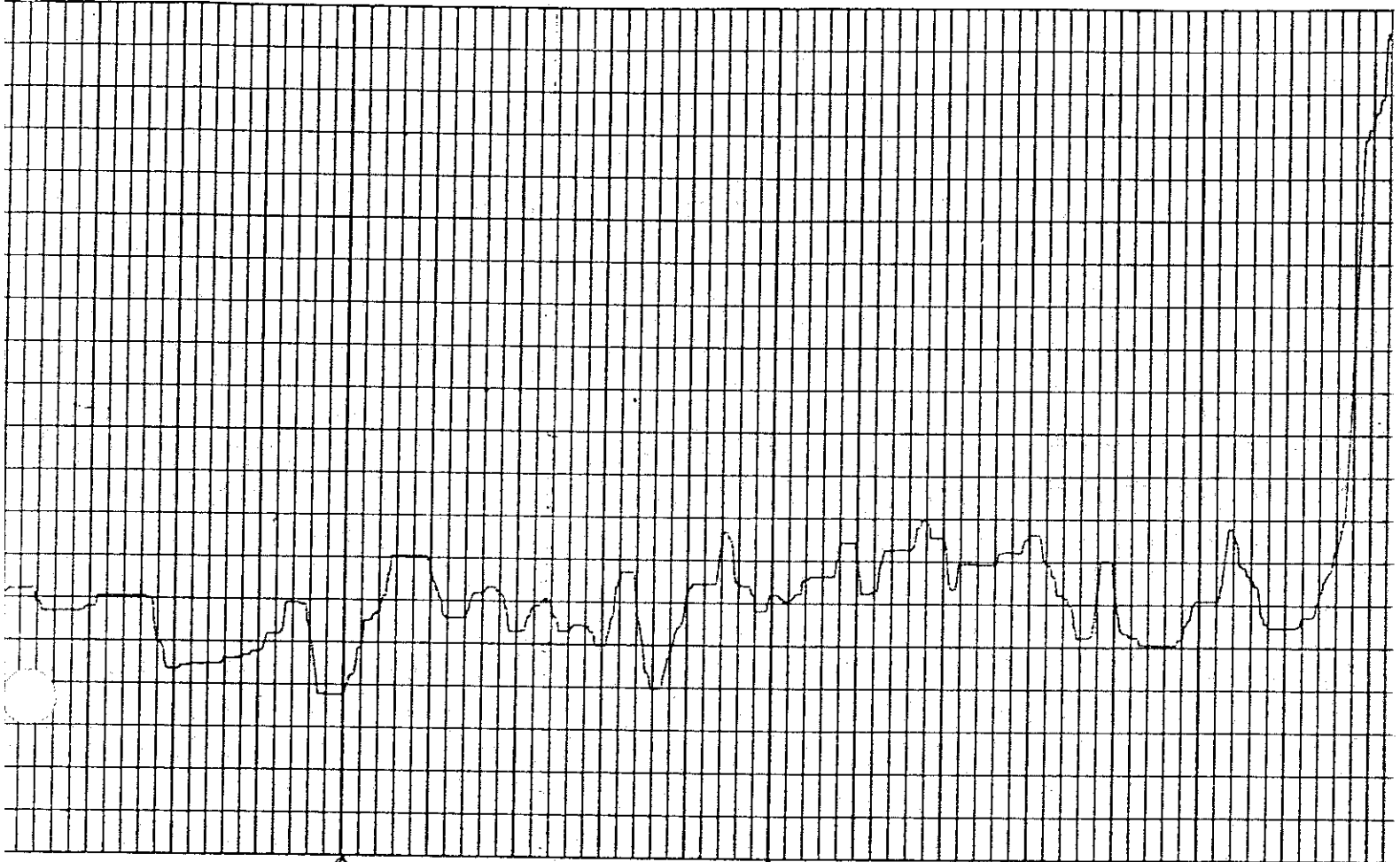
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<200' >



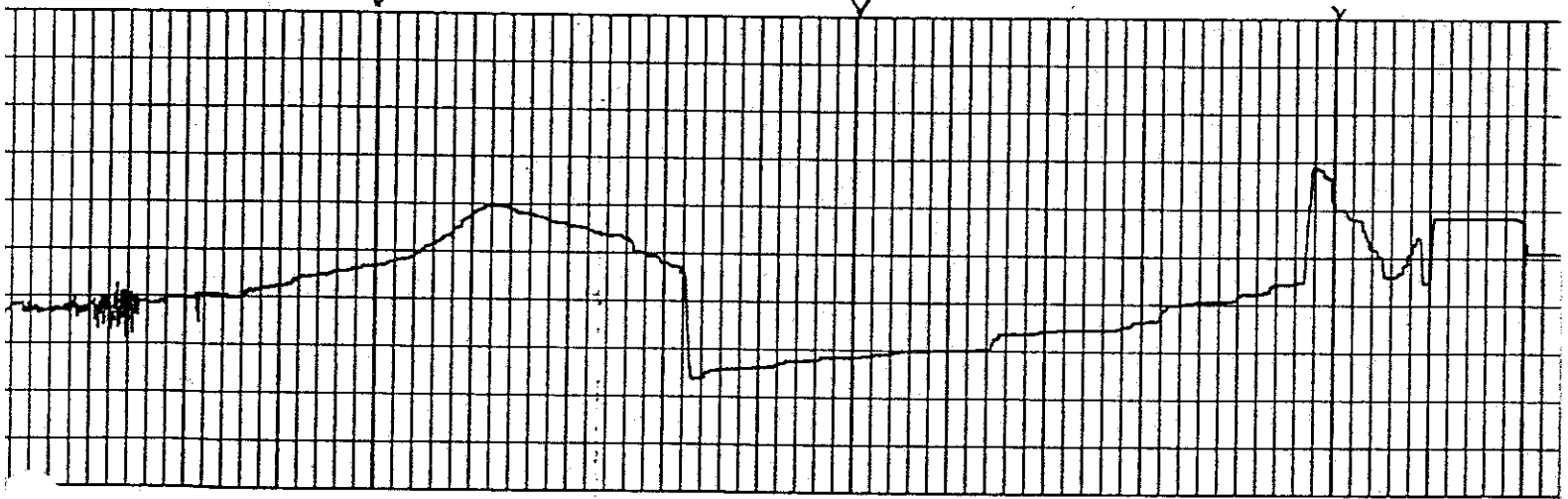


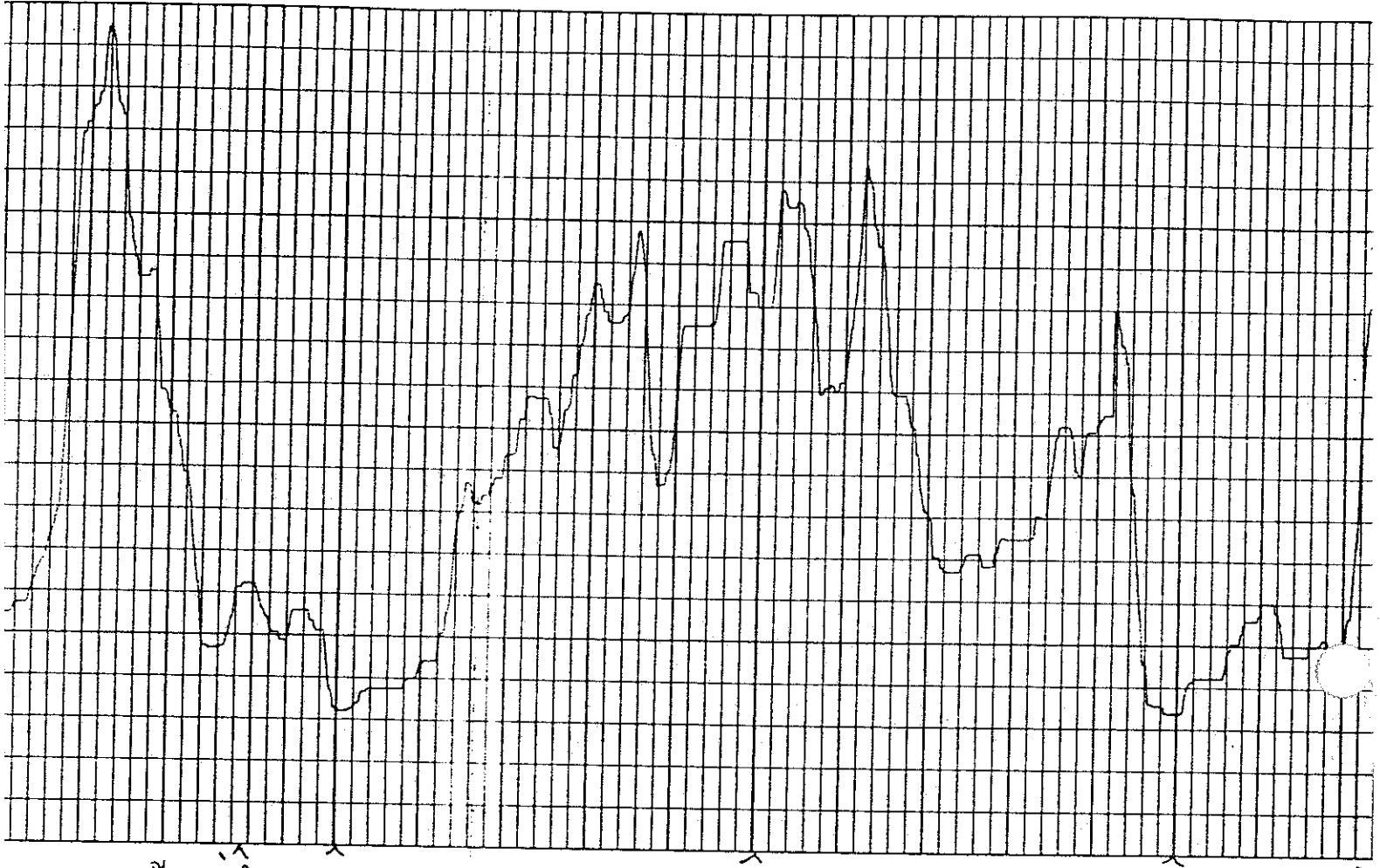


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< 300' >

< 350' >





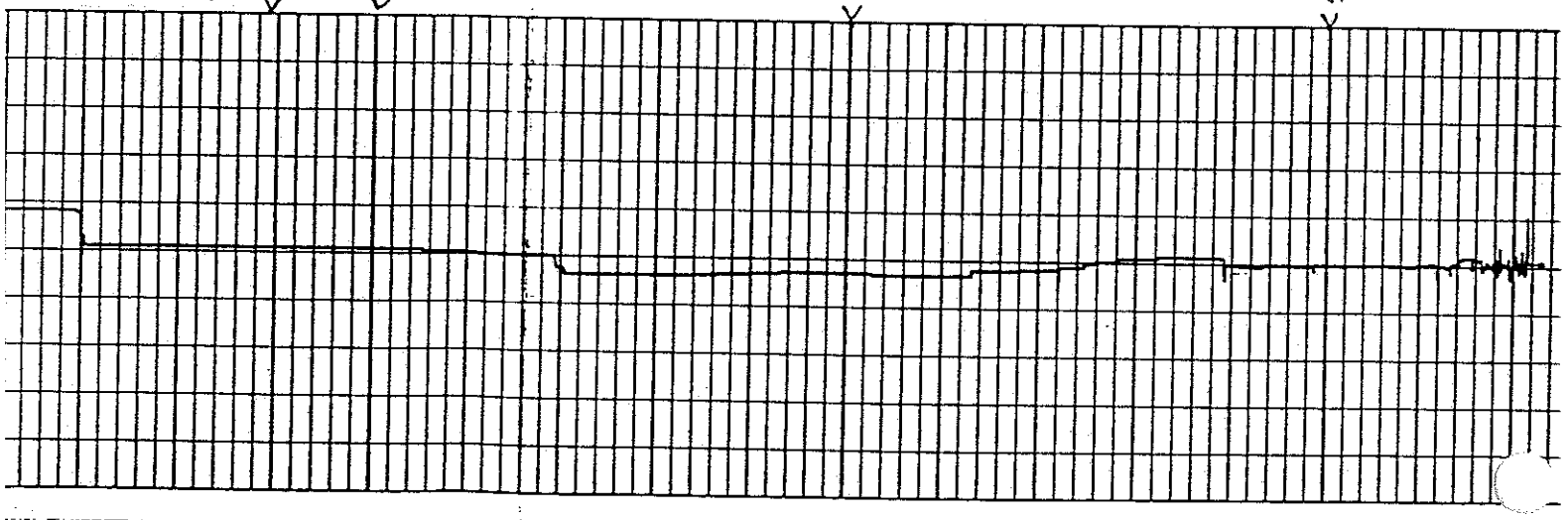
WATER  
LEVEL

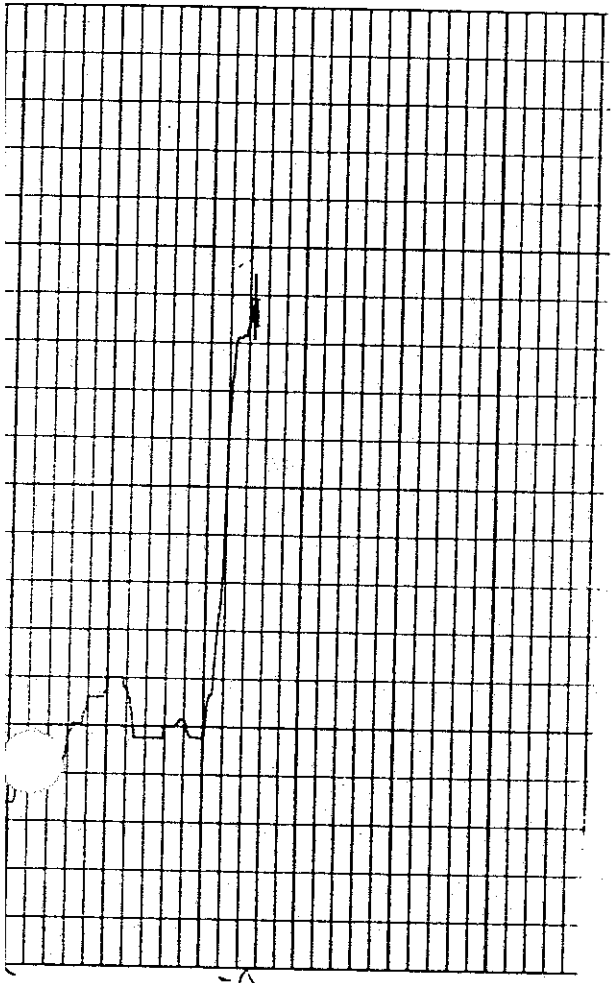
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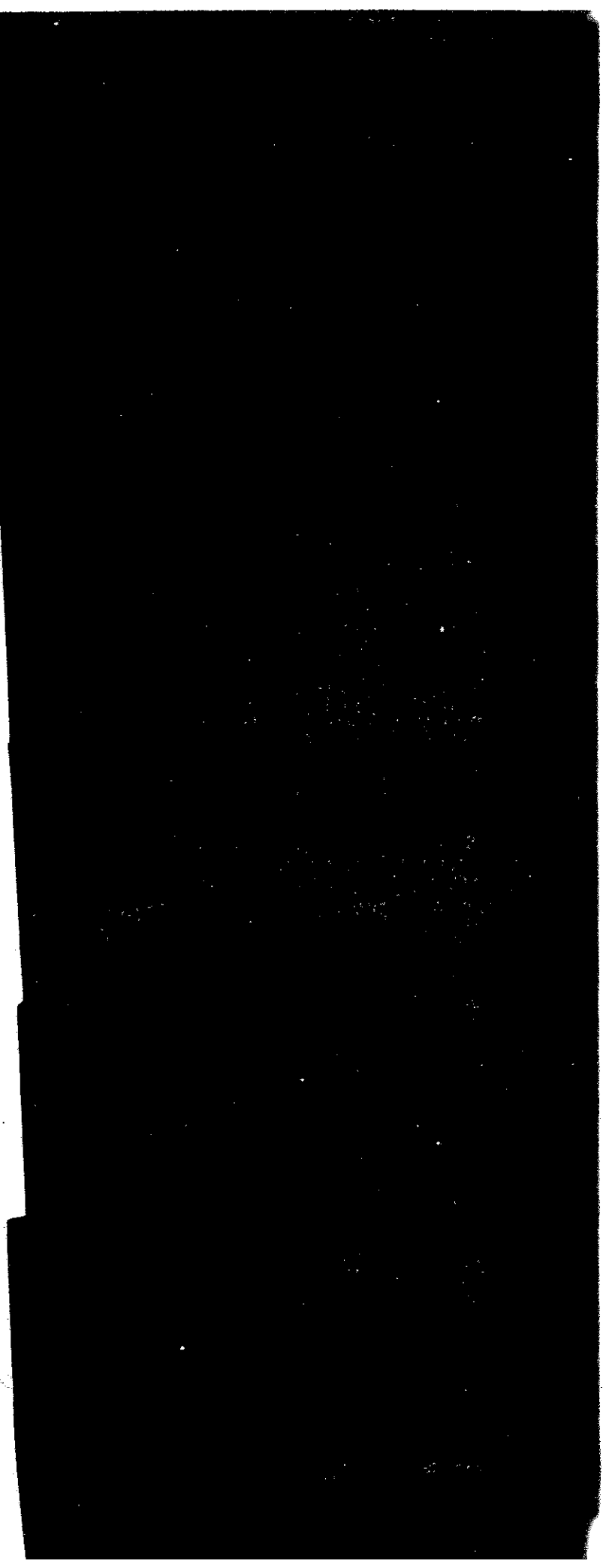
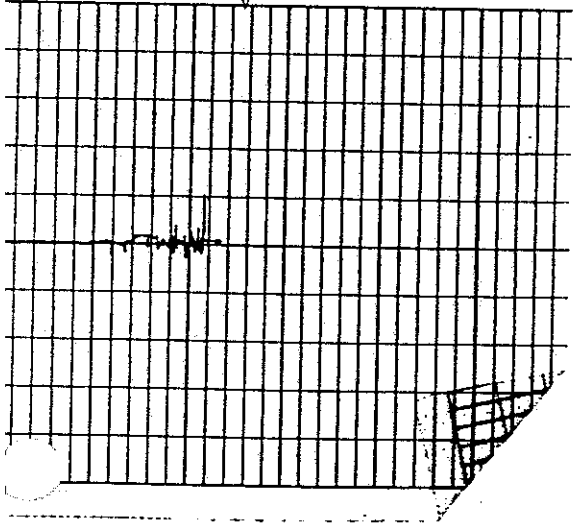
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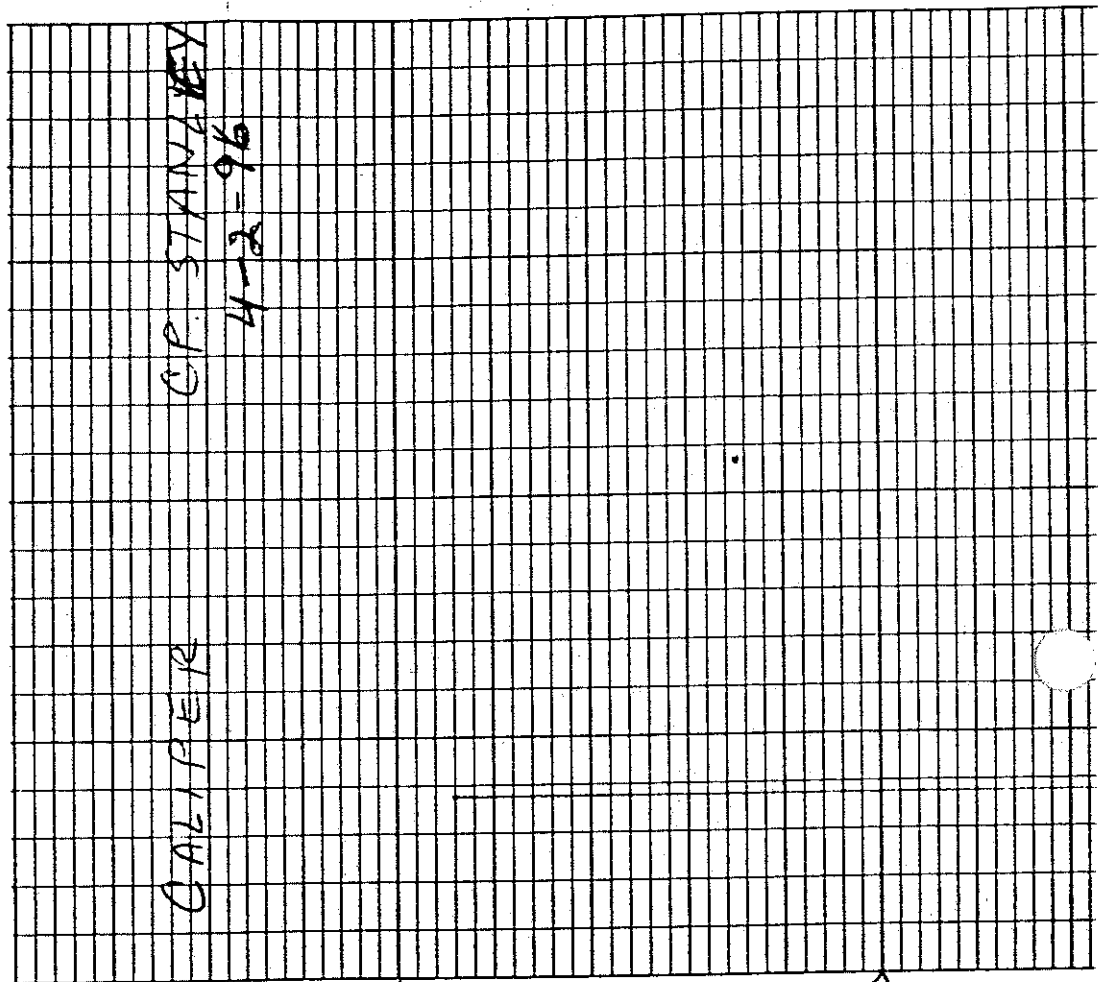


50.5/min



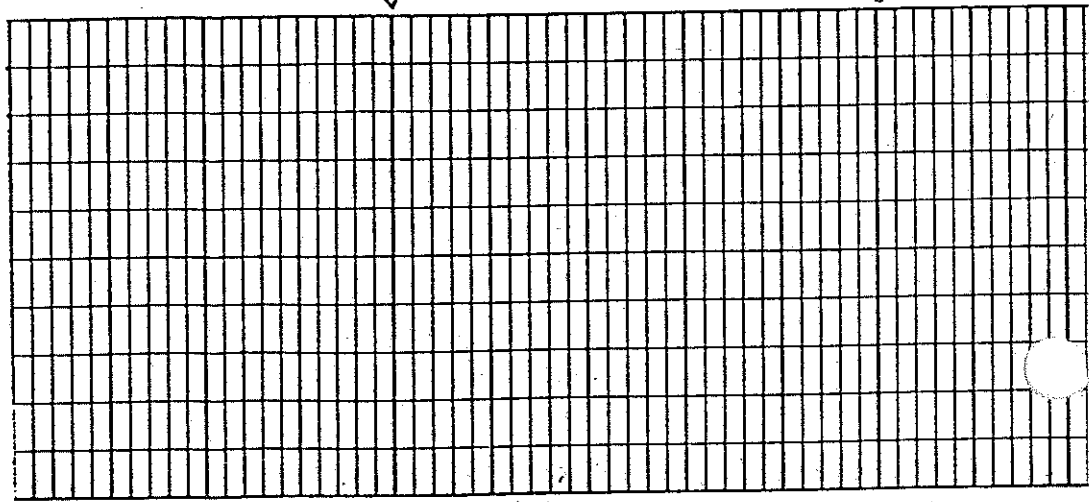
EUWD  
Jesse Mirales, logger

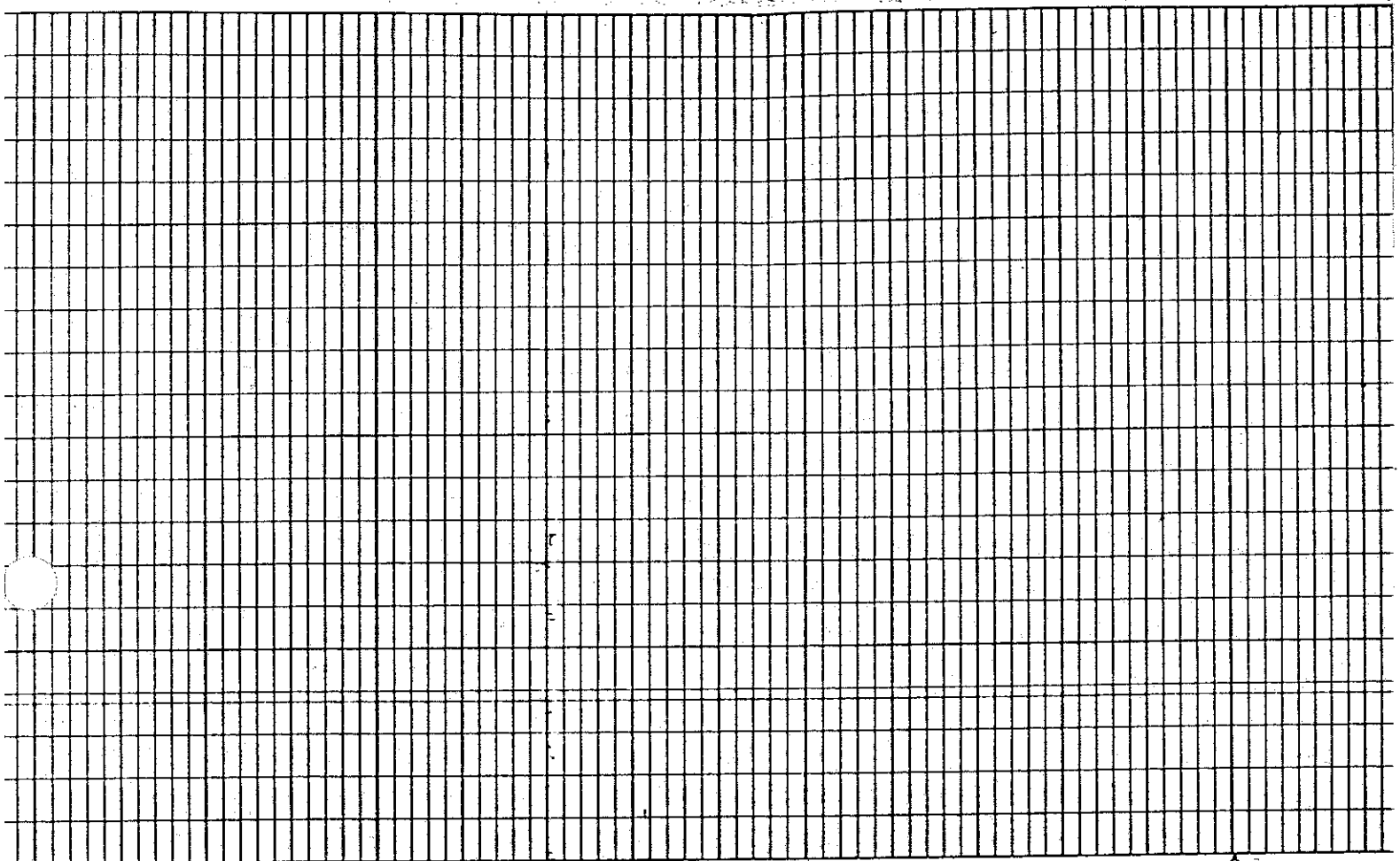
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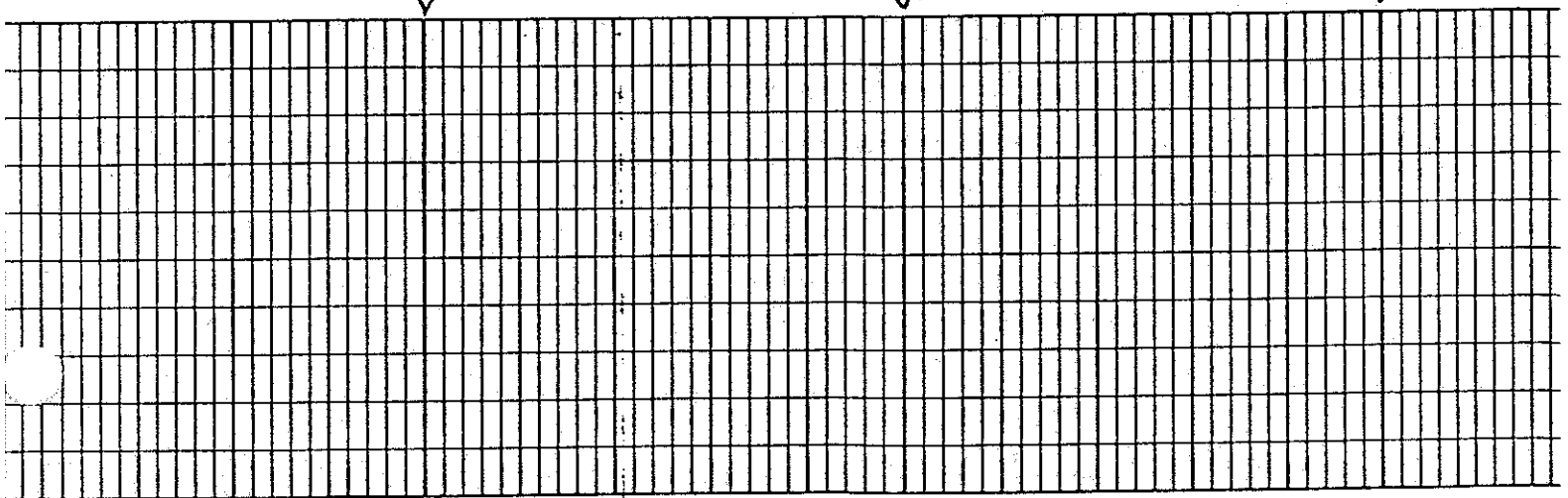


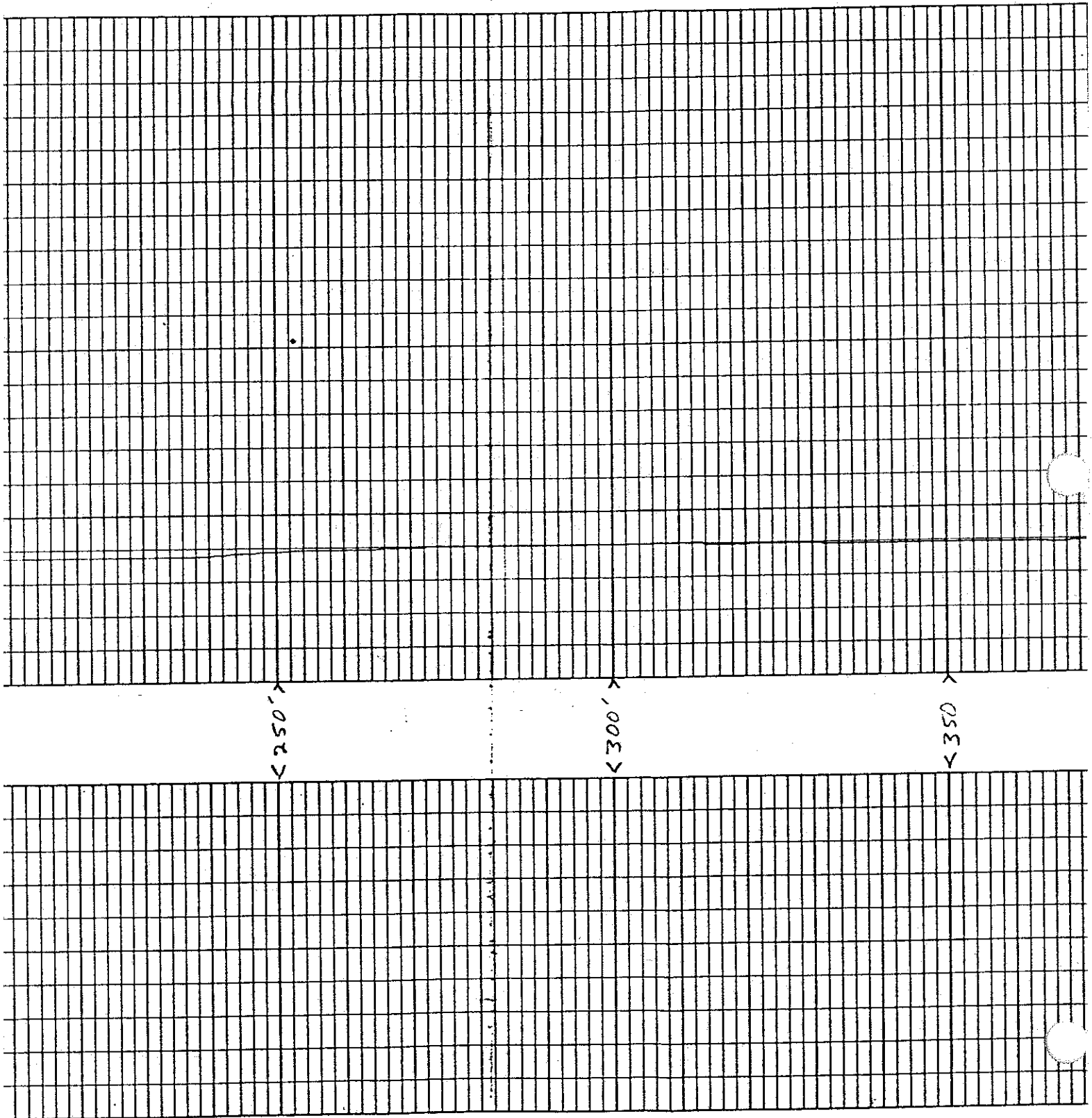


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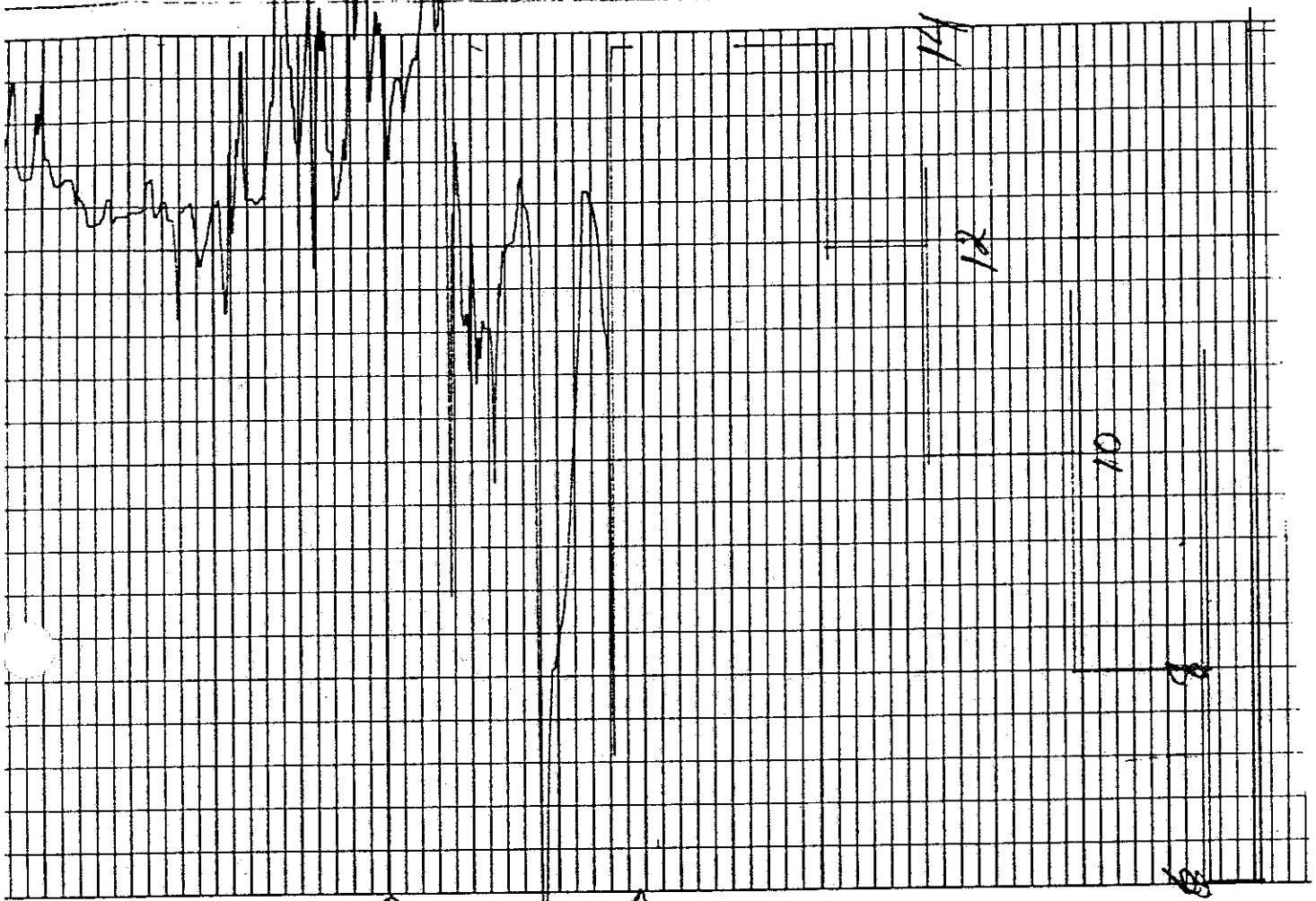
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NO. 08-0425-010



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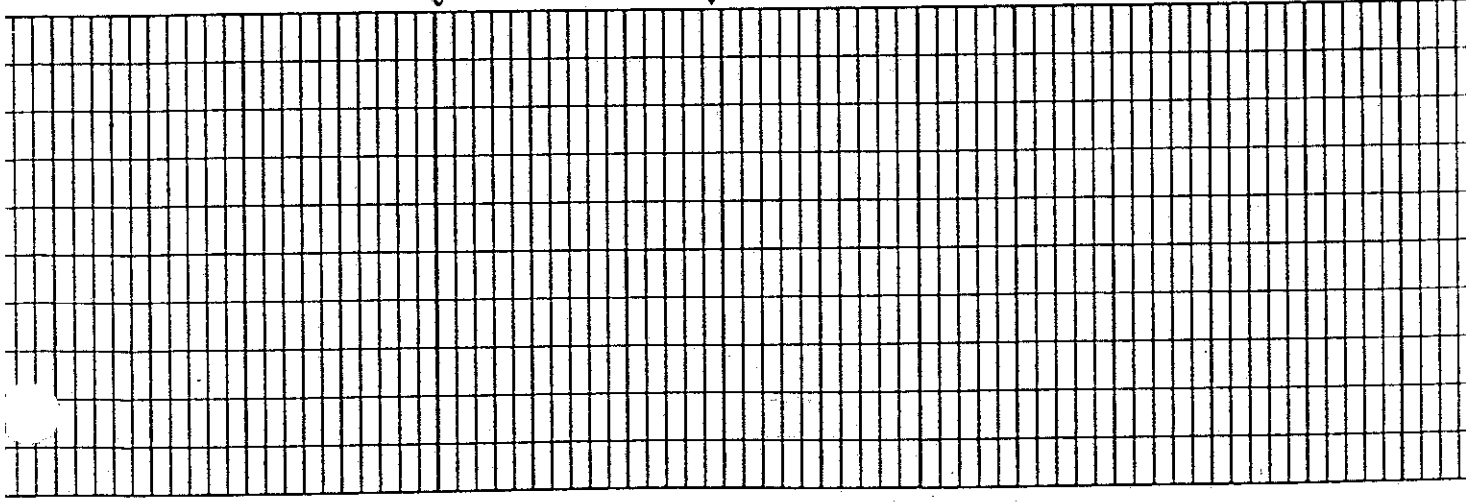
11/

12/

01/

8

8



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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-16

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-101
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286831
<i>Longitude (UTM):</i>	537284
<i>Elevation (Feet MSL):</i>	1240.9

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	431
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	200
<i>Well Diameter (inches):</i>	10
<i>Pump Depth (feet bgs):</i>	350

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	260.42 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

### OTHER NOTES

Geophysical survey conducted on August 23, 1994. Surface casing installed into existing well on 22-Sep-94. Bladder pump installed for sampling only.

TEXAS WATER DEVELOPMENT BOARD

WELL RECORDS

1. Elan Rose, Hensell  
 Aquifer Cow Creek Field No. \_\_\_\_\_ State Well No. 68-20-101  
 Owner's Well No. #16 County Brewer

2. Location: 2A 2 1/2 Sec. \_\_\_\_\_ Block \_\_\_\_\_ Survey \_\_\_\_\_  
Lat. 29°42'40" Long 98°36'52"  
 2. Owner: Camp Stanley (U.S. Govt) Address: \_\_\_\_\_  
Uziel Fielding Address: \_\_\_\_\_  
 Drillers: \_\_\_\_\_ Address: \_\_\_\_\_


3. Elevation of 150 in 1240 ft. above sea level, determined by Topo

4. Drilled: 19 Dig, Cable Tool, Rotary

5. Depth: 442 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: None Type Submersible

No. Stages \_\_\_\_\_ Horse Power \_\_\_\_\_ in., Setting 416 ft.

Colum. Diam. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: None Make & Model \_\_\_\_\_ HP 15

9. Yield: Flow \_\_\_\_\_ gpm, Pump \_\_\_\_\_ gpm, Meas., Rept., Lit.

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_

Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.

Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Water Level: 201 ft. 2-19 1960 above 150 which is \_\_\_\_\_ ft. above surface.  
 \_\_\_\_\_ ft. rept. 19 above which is \_\_\_\_\_ ft. above surface.  
 \_\_\_\_\_ ft. rept. 19 below which is \_\_\_\_\_ ft. below surface.  
 \_\_\_\_\_ ft. rept. 19 below which is \_\_\_\_\_ ft. below surface.  
 \_\_\_\_\_ ft. rept. 19 below which is \_\_\_\_\_ ft. below surface.

12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used,

13. Quality: (Remarks on taste, odor, color, etc.)

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log,

Formation Samples, Pumping Test,

15. Record by: John Ashworth Date 2-10 1974

Source of Data ground sup., field visit

16. Remarks:

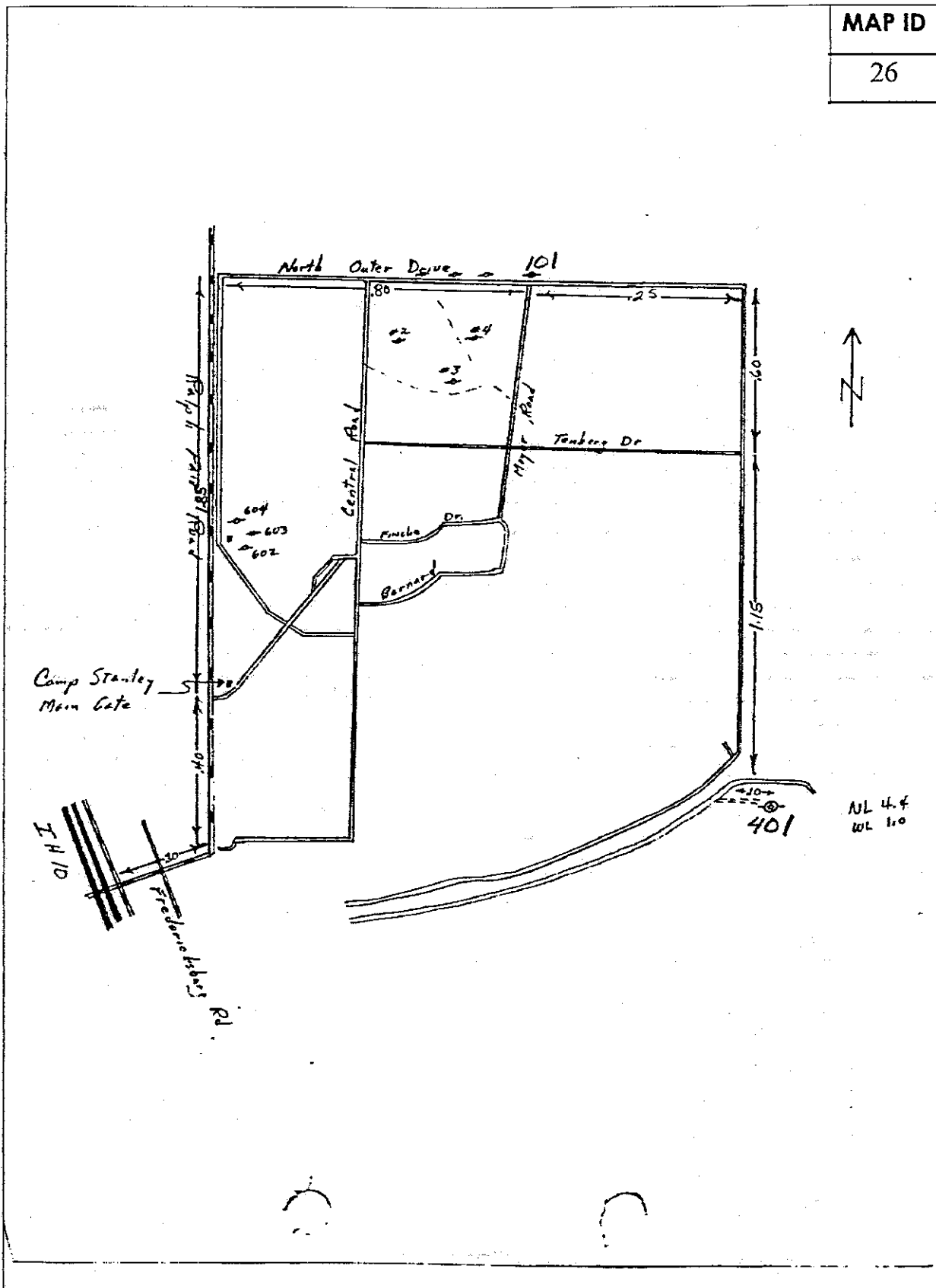
Stop at main gate and ask to be escorted to well

Casing & Well Pipe			
Cased From _____ ft. to _____ ft.		Setting, ft.	
Diam. (in.)	Type	From	To
—	—	unknown	—

Well Screen			
Screen Openings			
Diam. (in.)	Type	Setting, ft.	
		From	To

MAP ID

26



and original copy by certified mail to: TNRCC, P.O. Box 13087, Austin, TX 78711-3087

Please use black ink.

ATTENTION OWNER: Confidentiality  
Privilege Notice on Reverse Side

State of Texas  
WELL REPORT WELL # 16

Texas Water Well Drillers Board  
P.O. Box 13087  
Austin, Texas 78711

1) OWNER Camp Stanley Storage ADDRESS 25300 Ralph Fair Road Boerne TX 78  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County Bexar 19 miles in NW direction from San Antonio  
(NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

SEE ATTACHED MAP

3) TYPE OF WORK (Check):  New Well  Deepening  Reconditioning  Plugging  
4) PROPOSED USE (Check):  Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  De-Watering  
5) DRILLING METHOD (Check):  Mud Rotary  Air Hammer  Jetted  Bored  Air Rotary  Cable Tool  Other \_\_\_\_\_  Drive

6) WELL LOG: Date Drilling: 9-22-94  
Started 9-22-94 19 \_\_\_\_\_ Completed 9-22-94 19 \_\_\_\_\_  
DIAMETER OF HOLE: Dia. (in.) From (ft.) To (ft.)  
10" Surface 200 430  
7) BOREHOLE COMPLETION:  Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA: 195					
			Dis. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., If commercial	Setting (ft.)		Gage Casting Screen
			6"	new	Steel casing	Surface	200'	

9) CEMENTING DATA [Rule 287.44(1)]  
Cemented from Surface ft. to 200' ft. No. of Sacks Used 85  
ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
Method used Trimmy Pipe & Pumped  
Cemented by James Showes

13) TYPE PUMP:  Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

14) WELL TESTS: Type Test:  Pump  Baller  Jetted  Estimated  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

18) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents?  
 Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

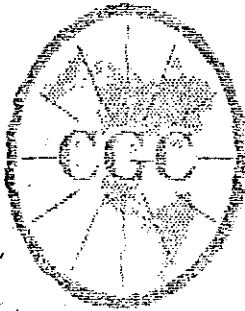
10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 287.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 287.44(3)(A)]  
 Pileas Adapter Used [Rule 287.44(3)(B)]  
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL: Static level: 256.60 ft. below land surface, Date 9-30-94  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 16 will result in the log(s) being returned for completion and resubmittal.  
COMPANY NAME Layne Environmental Serv's WELL DRILLER'S LICENSE NO. 2022 W  
(Type or print)  
ADDRESS 6717 Northwind's Dr Houston TX 77041  
(Street or RFD) (City) (State) (Zip)  
(Signed) \_\_\_\_\_ (Licensed Well Driller) (Signed) \_\_\_\_\_ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TNRCC use only: Well no. 16 Located on map \_\_\_\_\_

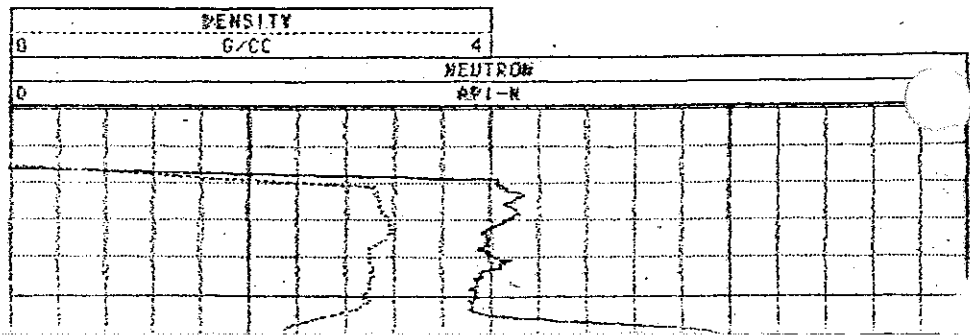
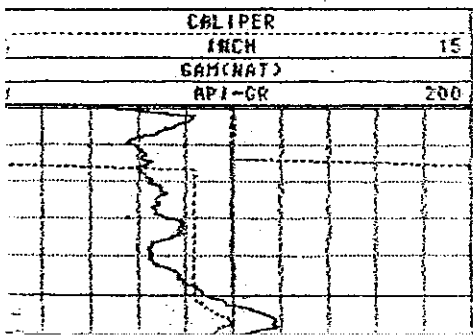


**WELL-16**

COMPANY	: ENGINEERING SCIENCE, INC	OTHER SERVICES:	
WELL	: WELL-16	-	
LOCATION/FIELD	: CAMP STANLEY STORAGE ACTIVELY	-	
COUNTY	: BEXAR	-	
STATE	: MO		
SECTION	: -	TOWNSHIP	: - RANGE : -
DATE	: 08 23/94	PERMIT NUMBER	: - ELEVATIONS
DEPTH DRILLER	: 433	ELEM. NTRN. DATA	: - RE
LOG BOTTOM	: 424.00	LOG MEASURED FROM	: T.O.C. BT
LOG TOP	: 0.00	LOG MEASURED FROM	: T.O.C. CL : 1244.0
CASING DRILLER	: 21	LOGGING UNIT	: BND
CASING TYPE	: SUCCL	FIELD OFFICE	: LAS VEGAS
CASING THICKNESS	: .25	LOGGED BY	: BERRY SLOPP
BIT SIZE	: -	BOREHOLE FLUID	: AIR MUD FILE : PROCESSED
MAGNETIC RECL.	: 11	RM	: - TYPE : 9055A
MATRIX DENSITY	: 2.71	RM TEMPERATURE	: - LOG : 4
FLUID DENSITY	: -	MATRIX DELTA T	: - FLOT : ESE 3
NEUTRON MATRIX	: LIMESTONE	FLUID DELTA T	: - THRESH: 50000
REMARKS	:		
TOP OF CASING ELEVATION WAS 1244.0			

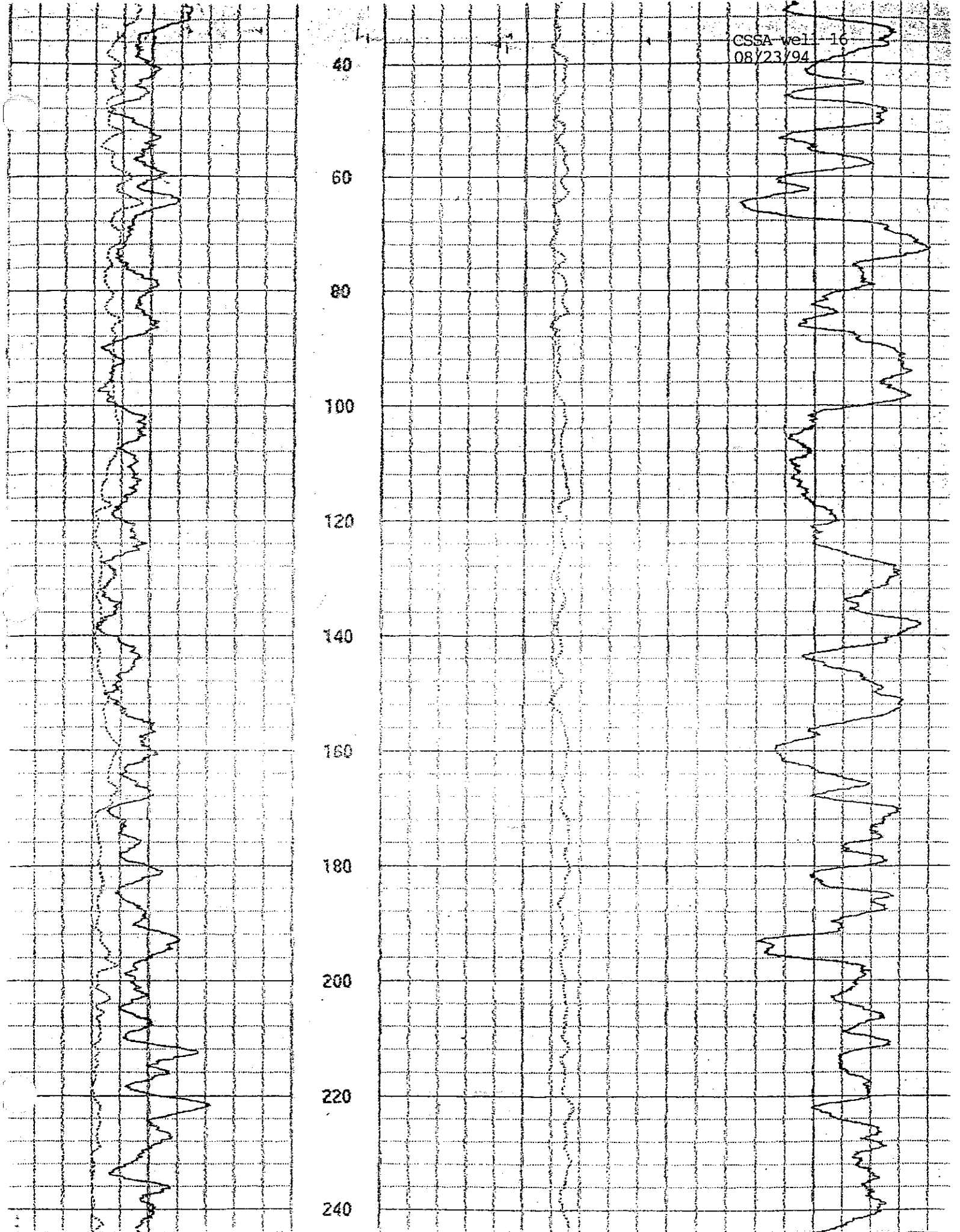
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

CSSA well 16  
08/23/94



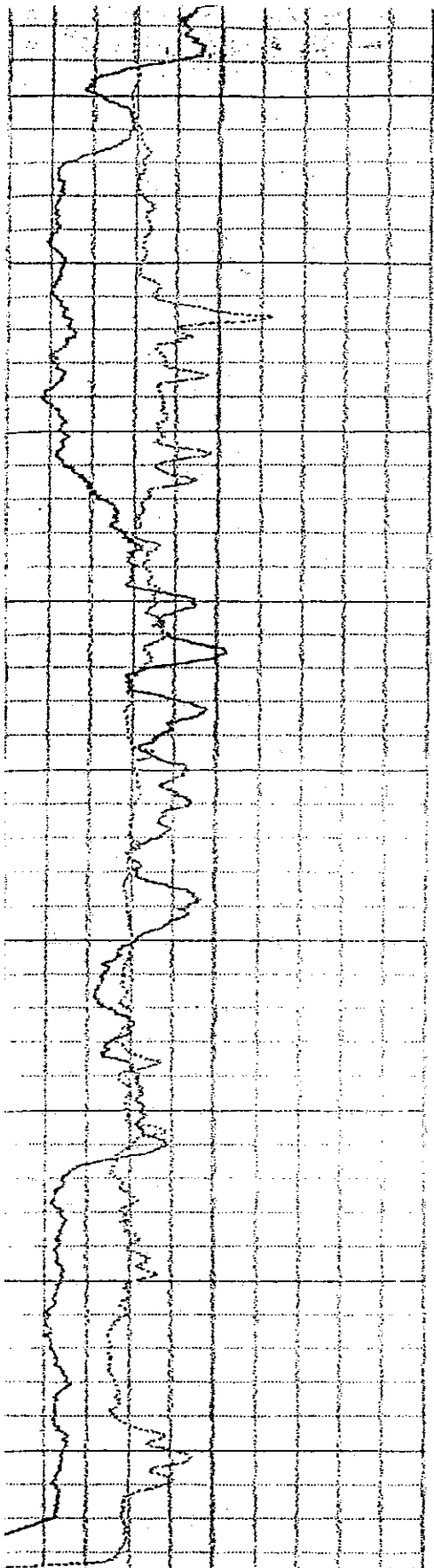
CSSA well 16  
08/23/94

40  
60  
80  
100  
120  
140  
160  
180  
200  
220  
240

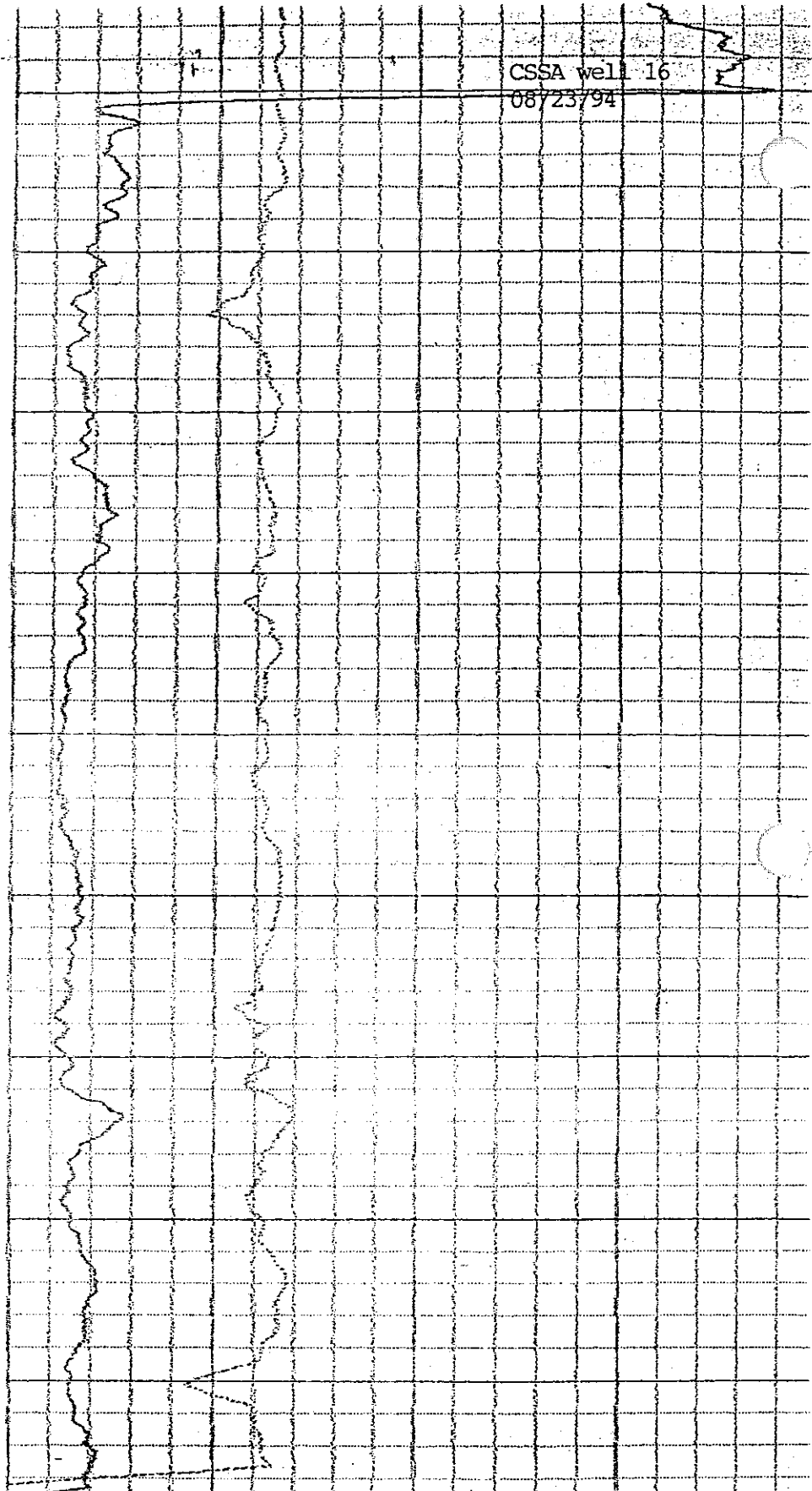


CSSA well 16  
08/23/94

260  
280  
300  
320  
340  
360  
380  
400  
420  
435



0	API-GR	200
5	INCH CALIPER	15



0	API-N	7000
0	G/CC DENSITY	4



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-D

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286832
<i>Longitude (UTM):</i>	537147
<i>Elevation (Feet MSL):</i>	1232.6

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	263
<i>Casing Diameter (inches):</i>	4
<i>Casing Depth (feet bgs):</i>	205
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	253

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	252.57 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Geophysical survey conducted on August 23, 1994. Surface casing installed into existing well on 24-Sep-94. Bladder pump installed for sampling only.

ATTENTION OWNER: *Confidentiality*  
 Privilege Notice on Reverse Side

State of Texas  
**WELL REPORT**

Texas Water Well Drillers Board  
 P.O. Box 13087  
 Austin, Texas 78711

Well # 2, 3 + 0

1) OWNER Camp Stanley Storage Active ADDRESS 25800 Palob Fair Road Berme TX 78006  
 (Name) (Street or RFD) (City) (State) (Zip)  
 2) LOCATION OF WELL:  
 County Bexar 19 miles in NW direction from San Antonio  
 (NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_

Distance and direction from two intersecting section or survey lines \_\_\_\_\_

SEE ATTACHED MAP

3) TYPE OF WORK (Check):

- New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):

- Domestic  Industrial  Monitor  Public Supply  
 Irrigation  Test Well  Injection  De-Watering

5) DRILLING METHOD (Check):

- Drive  Mud Rotary  Air Hammer  Jetted  Bore  
 Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:

Date Drilling:  
 Started 9-24 1994  
 Completed 9-24 1994

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
<u>8</u>	Surface	<u>200</u>

7) BOREHOLE COMPLETION:

- Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_

If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.) To (ft.) Description and color of formation material

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
<u>4</u>	<u>new</u>	<u>Steel casing</u>	<u>Surface</u>	<u>200'</u>	<u>71.5</u>

9) CEMENTING DATA [Rule 287.44(1)]

Cemented from Surface ft. to 200' ft. No. of Sacks Used 90  
 \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_

Method used pumped with trimypipe  
 Cemented by James Shaws

10) SURFACE COMPLETION

- Specified Surface Slab Installed [Rule 287.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 287.44(3)(A)]  
 Piless Adapter Used [Rule 287.44(3)(B)]  
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL:

Static level 267.20 ft. below land surface Date 9-30-94  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS:

Type	Depth

13) TYPE PUMP:

- Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_

Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

14) WELL TESTS:

Type Test  Pump  Bailor  Jetted  Estimated  
 Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

15) WATER QUALITY:

Did you knowingly penetrate any strata which contained undesirable constituents?

Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"

Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_

Was a chemical analysis made?  Yes  No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Loynic Environmental Services  
 (Type or print)

WELL DRILLER'S LICENSE NO. 2022 W

ADDRESS 6717 northwind's Dr  
 (Street or RFD)

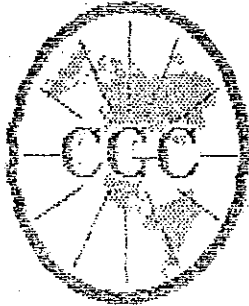
Houston TX 77041  
 (City) (State) (Zip)

(Signed) \_\_\_\_\_  
 (Licensed Well Driller)

(Signed) \_\_\_\_\_  
 (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TNRCC use only: Well no. 2, 3 + 0 Located on map \_\_\_\_\_

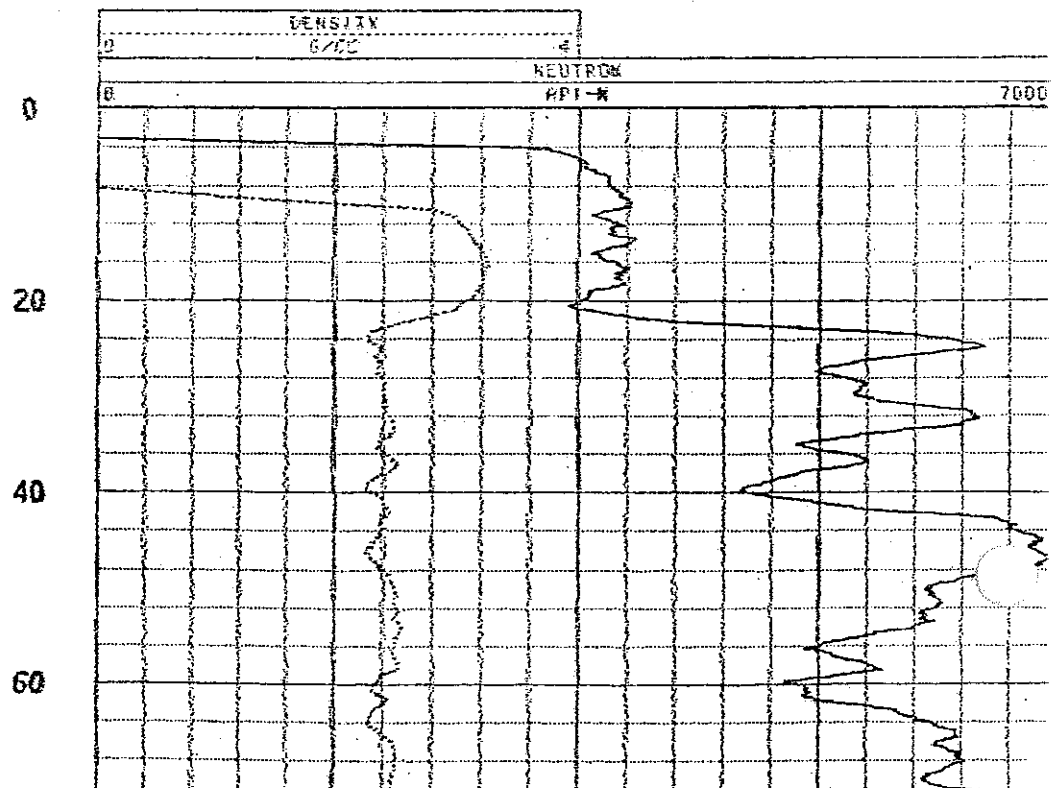
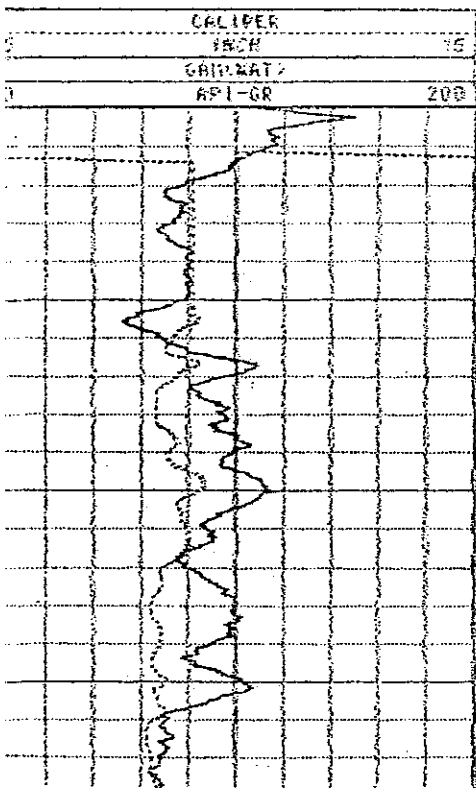


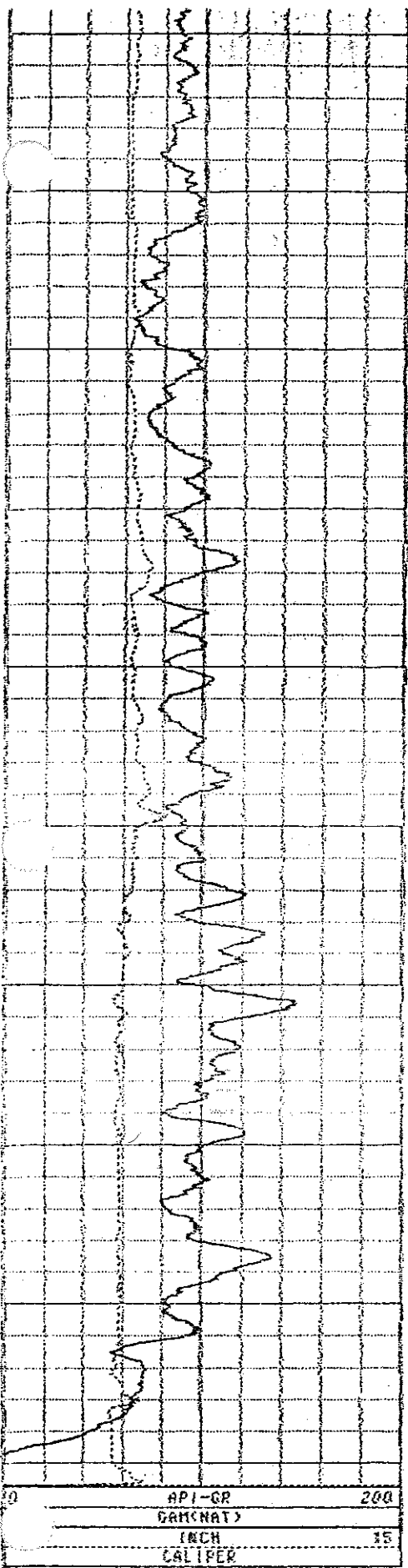
# Century GEOPHYSICAL CORP.

**WELL-D**

COMPANY	: ENGINEERING SCIENCE, INC.	OTHER SERVICES:	
WELL	: WELL-D	-	
LOCATION/FIELD	: CAMP STANLEY STORAGE ACTIVITY	-	
COUNTY	: BEXAR	-	
STATE	: TX		
SECTION	: -	TOWNSHIP	: - RANGE : -
DATE	: 08/23/94	PERMANENT DATUM	: - ELEVATIONS
DEPTH DRILLER	: BCS	ELEV. PERM. DATUM:	- KB : -
LOG BOTTOM	: 658.60	LOG MEASURED FROM:	T.O.C. DE : -
LOG TOP	: 6.00	DRL MEASURED FROM:	T.O.C. GL. : 1232.6
CASING DRILLER	: ZF	LOGGING UNIT	: 98R1
CASING TYPE	: STEEL	FIELD OFFICE	: LOS VEGAS
CASING THICKNESS:	.25	RECORDED BY	: DEREK SLOOF
BIT SIZE	: -	BOREHOLE FLUID	: AIR M26 FILE : PROCESSED
MAGNETIC DECL.	: 11	RM	: - TYPE : 9865A
MATRIX DENSITY	: 2.71	RM TEMPERATURE	: - LOG : 4
FLUID DENSITY	: -	MATRIX DELTA T	: - PLOT : ESE 3
NEUTRON MATRIX	: Limestone	FLUID DELTA T	: - THRESH: 560000
REMARKS	:		
TOP OF CASING ELEVATION WAS 1233.2			

CSSA well: D  
08/23/94

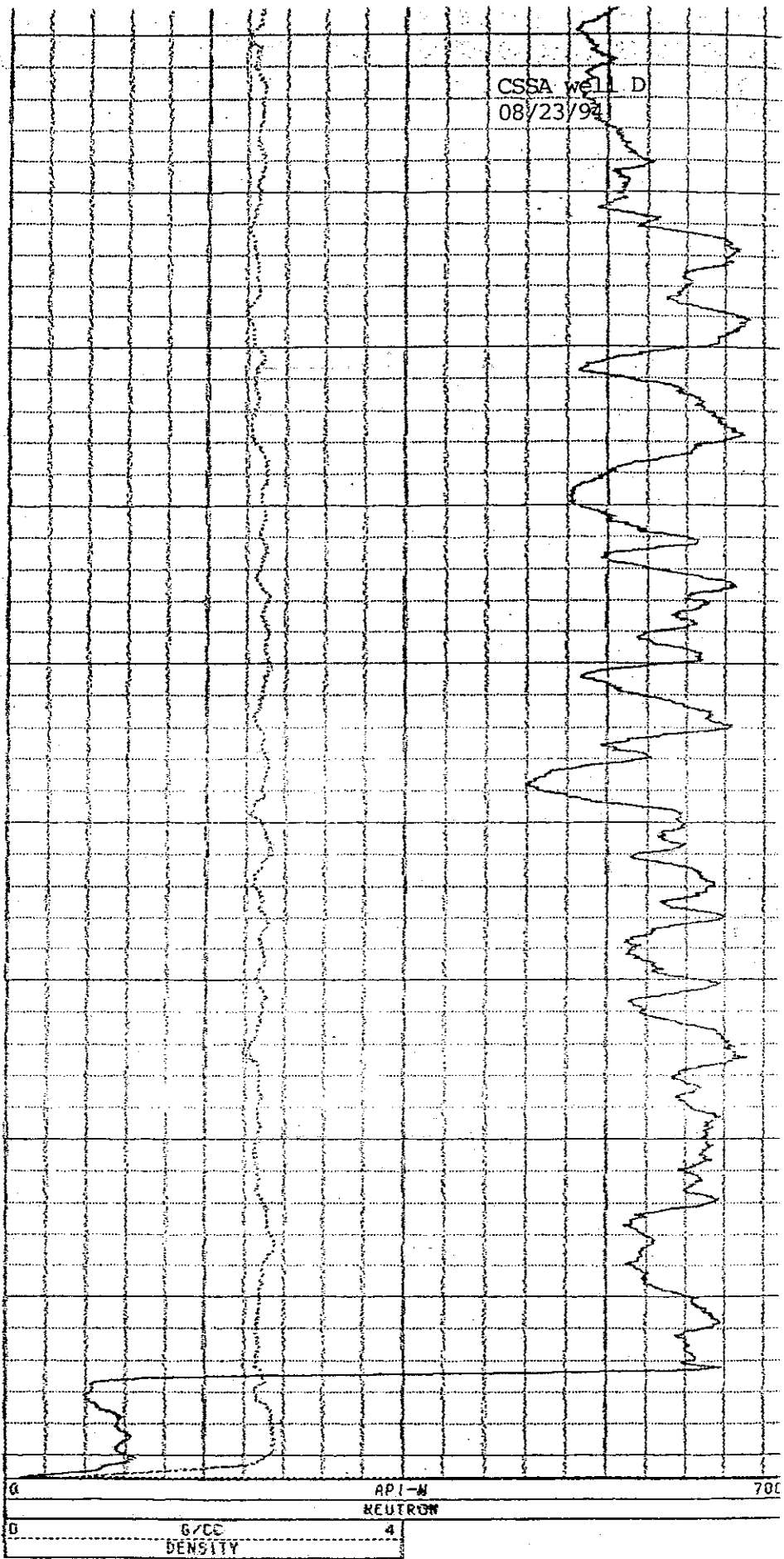




80  
100  
120  
140  
160  
180  
200  
220  
240  
263

0 API-GR 200  
GAMMA  
INCH 15  
CALIPER

CSSA well D  
08/23/92



0 API-W 70  
NEUTRON  
G/CC 4  
DENSITY

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-G

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3288128
<i>Longitude (UTM):</i>	537139
<i>Elevation (Feet MSL):</i>	1324.8

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	336
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	298.83 07-Sep-99
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

RECEIVED

MAY 21 1979

Send original copy by certified mail to the Texas Water Development Board, P. O. Box 13087, Austin, Texas 78711

State of Texas  
DEPT. OF WATER RESOURCES  
WATER WELL REPORT

For TWDB use only  
Well No. \_\_\_\_\_  
Located on map \_\_\_\_\_  
Received: \_\_\_\_\_

OWNER:  
Person having well drilled Department of Agriculture Address Kennville, Tex  
(Name) (Street or RFD) (City) (State)  
Landowner Camp Stanley Address San Antonio, Tex  
(Name) (Street or RFD) (City) (State)

LOCATION OF WELL:  
County Bexar \_\_\_\_\_ 3 miles in NE direction from Leon Springs  
(N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks, highway number, etc.\*  
#1 on highway map  
North  
↑  
(Use reverse side if necessary)

TYPE OF WORK (Check):  
 New Well Deepening  
 Reconditioning  Plugging  
4) PROPOSED USE (Check):  
 Domestic Industrial Municipal  
 Irrigation  Test Well  Other  
5) TYPE OF WELL (Check):  
 Rotary Driven Dug  
 Cable Jetted Bored

WELL LOG:  
Diameter of hole 9 in. Depth drilled 250 ft. Depth of completed well 360 ft. Date drilled 4-10-79  
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	2	Caliche & rock
2	15	Yellow clay & limestone layers (water)
5	35	gray rock & shale layers
5	54	blue shale
4	58	porous yellow limestone
8	72	blue gray limestone
2	84	light yellow limestone
4	110	blue rock & shale layers
10	213	gray rock & shale layers
13	224	white rock
4	236	gray rock
36	239	light blue shale (Use reverse side if necessary)

9) CASING:  
Type: Old  New Steel Plastic Other  
Cemented from 0 ft. to 250 ft.  
Diameter (inches) Setting From (ft.) To (ft.) Gage  
7.00 0 250

10) SCREEN:  
Type \_\_\_\_\_  
Perforated \_\_\_\_\_ Slotted \_\_\_\_\_  
Diameter (inches) Setting From (ft.) To (ft.) Slot Size

COMPLETION (Check):  
Straight wall Gravel packed Other  
Under reamed  Open Hole  
WATER LEVEL:  
Static level 155 ft. below land surface Date 4-10-79  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 252 ft. below land surface.

11) WELL TESTS:  
Was a pump test made? Yes  No If yes, by whom?  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Bailer test 25 gpm with 115 ft. drawdown after 45 min hrs.  
Artesian flow \_\_\_\_\_ gpm  
Temperature of water \_\_\_\_\_

12) WATER QUALITY:  
Was a chemical analysis made? Yes  No  
Did any strata contain undesirable water? Yes  No  
Type of water? good depth of strata 317

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

By Louis Bergmann & Sons Water Well Drillers Registration No. 1937  
(Type or Print)

Address 135 S Pecan Boerne Tex  
(Street or RFD) (City) (State)

Signed Alan L. Marquardt Louis Bergmann & Sons  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
Additional instructions on reverse side.

3065

MAP #53



ES # JHW

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

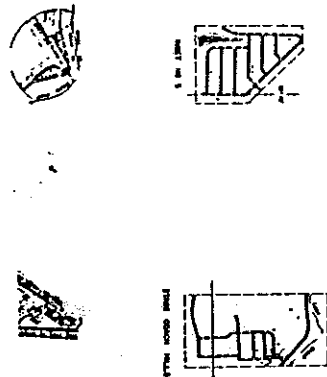
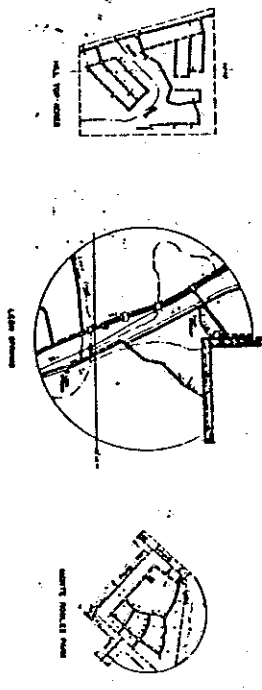
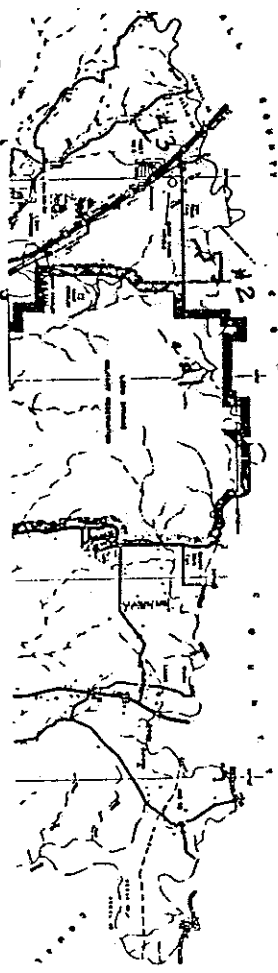
Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area, e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

239-250  
 233-234  
 235-236  
 236-237  
 237-238  
 238-239  
 239-240  
 240-241  
 241-242  
 242-243  
 243-244  
 244-245  
 245-246  
 246-247  
 247-248  
 248-249  
 249-250

blue gray shale



#1 Department of Agriculture  
 #2 Fair Oaks Water Co  
 #3 J.R.J. Co. Inc.

239-250 gray rock  
250-280 gray - cream colored rk  
280-286 blue-gray rk (shells)  
286-313 gray rock (shells)  
313-317 blue rock & shale layers  
317-322 yellowish gray shell rk (water)  
322-336 gray-white shell rk  
336-345 grayish white rock  
345-356 cream inst.  
356-360 blue gray shale

# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-H

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3288742
<i>Longitude (UTM):</i>	536625
<i>Elevation (Feet MSL):</i>	1315.7

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	320
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A 07-Sep-99
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well. 316' of sucker rods were removed in April 2001. Assume well is approximately 320' deep.

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-I

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## PHYSICAL DESCRIPTION

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<i>State ID Number</i>	68-20-1A
<i>Current Owner:</i>	USDA
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3288350
<i>Longitude (UTM):</i>	538572
<i>Elevation (Feet MSL):</i>	1312.5

---

## WELL COMPLETION DATA

---

<i>Date Drilled:</i>	10-Apr-79
<i>Well Depth (feet bgs):</i>	362
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	250
<i>Well Diameter (inches):</i>	9
<i>Pump Depth (feet bgs):</i>	252

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	277.12 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

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## OTHER NOTES

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Well operated by windmill power.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-MW1

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286288
<i>Longitude (UTM):</i>	537053
<i>Elevation (Feet MSL):</i>	1219.3

### WELL COMPLETION DATA

<i>Date Drilled:</i>	13-Apr-96
<i>Well Depth (feet bgs):</i>	320
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	140
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	310

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Monitoring
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	240.9 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Geophysical survey conducted at pilot hole (PH-1) on April 3, 1996. Bladder pump installed for sampling only.

Texas Water Well Drillers Advisory Council  
 P.O. Box 12087  
 Austin, Tx. 78711-3087  
 512-239-0530

ATTENTION OWNER: Confidentiality  
 Privilege Notice on Reverse Side

State of Texas  
**WELL REPORT**

1) OWNER Camp Stanley Storage Activity ADDRESS 25600 Ralph Fair Rd. Boerne TX 78015-480  
 (NAME) (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL:  
 County Bexar same as above Boerne TX 78015 STATE GRID # 68-18-6  
 (Street or RFD) (City) (State) (Zip)

3) TYPE OF WORK (Check):  
 New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):  Monitor  Environmental Soil Boring  Domestic  
 Industrial  Irrigation  Injection  Public Supply  De-watering  Testwell  
 If Public Supply well, were plans submitted to the TNRCC?  Yes  No

6) WELL LOG: MW-1 DIAMETER OF HOLE  
 Date Drilling \_\_\_\_\_  
 Started 4/11 18 98  
 Completed: 4/13 19 98

Dis. (in.)	From (ft.)	To (ft.)
10	0	140
6	140	320

7) DRILLING METHOD (Check):  Driven  
 Air Rotary  Mud Rotary  Bored  
 Air Hammer  Cable Tool  Jetted  
 Other \_\_\_\_\_

8) Borehole Completion (Check):  Open Hole  Straight Wall  
 Undrilled  Gravel Packed  Other \_\_\_\_\_  
 If gravel packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From(ft.)	To(ft.)	Description and color of formation material
0	13.5	Clay
13.5	25	Limestone
25	32	Marl
32	50	Limestone
50	101	Marl to Marly Limestone
101	240	Marl
240	270	Marly Limestone
270	320	Limestone

CASINO, BLANK PIPE, AND WELL SCREEN DATA: N/A

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., If Commercial	Sizing (ft.)		Cage Casing Screen
			From	To	
6	N	PVC RISER PVC SCREEN PVC TRAP	2	140	C.Steel

9) CEMENTING DATA [RULE 338.44(1)]  
 Cemented from 0 ft. to 140 ft. No. of sacks used \_\_\_\_\_  
 Bentonite \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of sacks used \_\_\_\_\_  
 Method used \_\_\_\_\_  
 Cemented by Lee Gebbert  
 Distance to septic system field lines \_\_\_\_\_ ft.  
 Method of verification of above distance \_\_\_\_\_

10) SURFACE COMPLETION N/A  
 Specified Surface Seal Installed [Rule 338.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 338.44(3)(A)]  
 Pileless Adapter Used [Rule 338.44(3)(b)]  
 Approved Alternative Procedure Used [Rule 338.71]

11) WATER LEVEL:  
 Static level 268.81 ft. below land surface Date 4/5  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

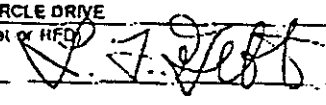
12) PACKERS: N/A Type \_\_\_\_\_ Depth \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME GEOPROJECTS INTERNATIONAL INC. WELL DRILLER'S LICENSE NO. 2525W  
 (Type or print)

ADDRESS 8834 CIRCLE DRIVE AUSTIN TX 78736  
 (Street or RFD) (City) (State) (Zip)

(Signed) Lee Gebbert (Signed) \_\_\_\_\_  
 (Licensed Well Driller) (Registered Driller Trainee)

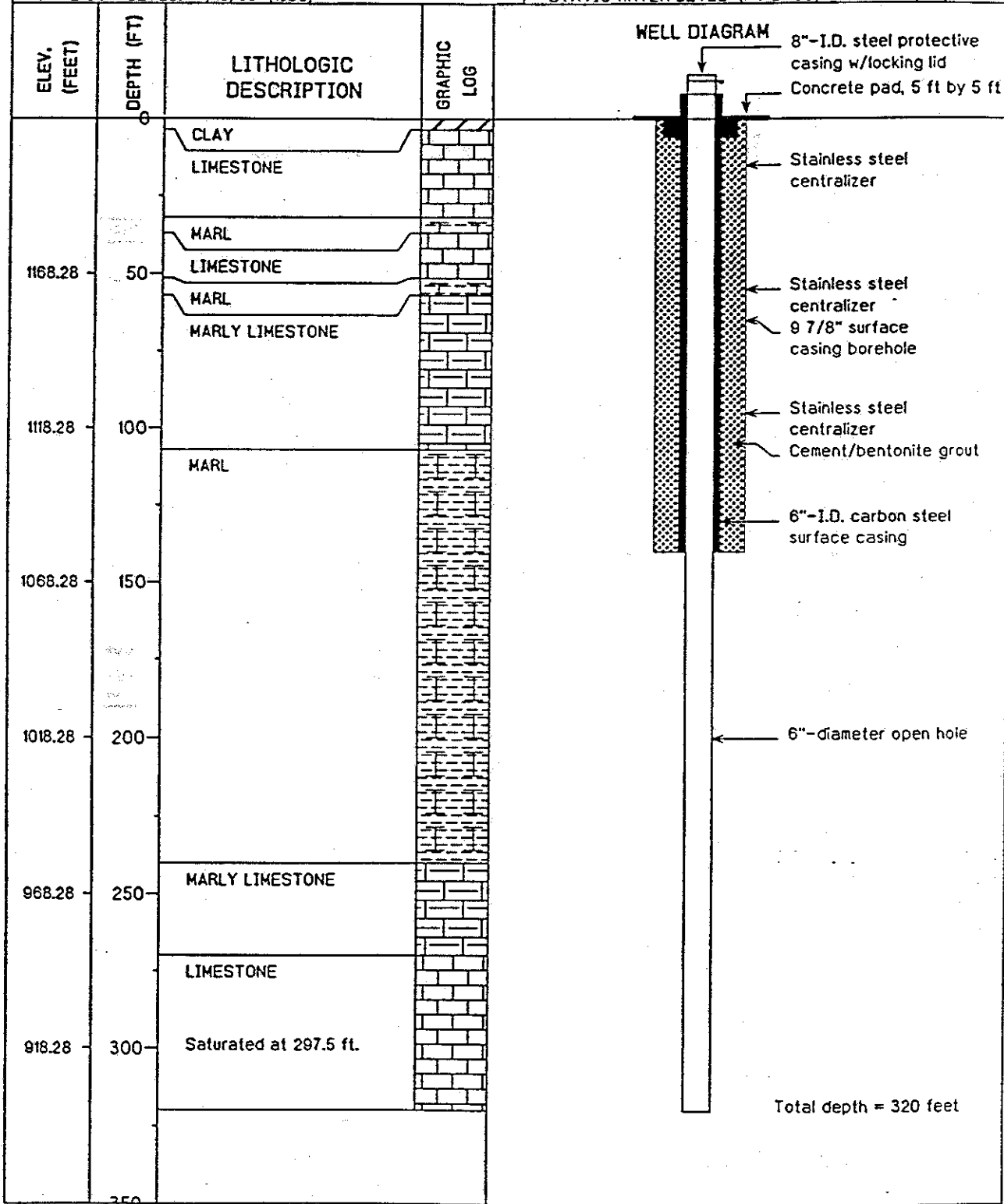


Please attach electric log, chemical analysis, and other pertinent information, if any



## Monitoring Well Completion Log - CSSA

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: MW1
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681063.6758
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121696.4307
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGSL): 320
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1218.28
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1220.26
BIT SIZES: 6-INCH BUTTON BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/11/96 (0950)	COMPLETION INTERVAL: 140 TO 320 FT BGSL
DRILLING END: 4/13/96 (1310)	WATER FOUND: 275 FT BGSL
DATE COMPLETED: 4/13/96 (1530)	STATIC WATER LEVEL (FT BTOC): 251.14 - 4/24/96



Texas Water Well Drillers Advisory Council  
 P.O. Box 13087  
 Austin, Tx. 78711-3087  
 512-298-0530

ATTENTION OWNER: Confidentially  
 Privilege Notice on Reverse Side

State of Texas  
**WELL REPORT**

1) OWNER Camp Stanley Storage Activity ADDRESS 25800 Ralph Fair Rd. Boerne TX 78015-4800  
 (NAME) (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL:  
 County Bexar same as above Boerne TX 78015 STATE GRID # 66-10-6  
 (Street or RFD) (City) (State) (Zip)

3) TYPE OF WORK (Check):  
 New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):  Monitor  Environmental Soil Boring  Domestic  
 Industrial  Irrigation  Injection  Public Supply  De-watering  Testwell  
 If Public Supply well, were plans submitted to the TNRCC?  Yes  No

6) WELL LOG: PH-1

Date Drilling	DIAMETER OF HOLE		
	Dia. (in.)	From (ft.)	To (ft.)
Started <u>4/1 19 96</u>	<u>6</u>	<u>0</u>	<u>361</u>
Completed: <u>4/2 19 96</u>			

7) DRILLING METHOD (Check):  Driven  
 Air Rotary  Mud Rotary  Bored  
 Air Hammer  Cable Tool  Jotted  
 Other \_\_\_\_\_

From(ft.)	To(ft.)	Description and color of formation material
0	3.5	Clay
3.5	32	Limestone
32	37	Marl w/ dry Limestone
37	52	Limestone
52	270	Marl to Marly Limestone
270	326	Limestone
326	361	Shale

8) Borehole Completion (Check):  Open Hole  Straight Wall  
 Underreamed  Gravel Packed  Other \_\_\_\_\_  
 If gravel packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA: N/A

Dia. (in.)	Now or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if Commercial	Setting (ft.)		Cage Casing Screen
			From	To	
		PVC RUSTH			
		PVC SCREEN			
		PVC TRAP			

13) TYPE PUMP: N/A  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
 Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

9) CEMENTING DATA (RULE 338.44(1))  
 Cemented from 0 ft. to 361 ft. No. of sacks used \_\_\_\_\_  
 Bentonite \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of sacks used \_\_\_\_\_  
 Method used \_\_\_\_\_  
 Cemented by Lee Gebbert  
 Distance to optic system field lines \_\_\_\_\_ ft.  
 Method of verification of above distance \_\_\_\_\_

14) WELL TESTS: N/A  
 Type lost:  Pump  Bailor  Jotted  Estimated.  
 Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

10) SURFACE COMPLETION N/A  
 Specified Surface Slab Installed [Rule 338.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 338.44(3)(A)]  
 Pitless Adapter Used [Rule 338.44(3)(b)]  
 Approved Alternative Procedure Used [Rule 338.71]

15) WATER QUALITY:  
 Did you knowingly penetrate any strata which contained undesirable constituents?  
 Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

11) WATER LEVEL:  
 Static level 251.2 ft. below land surface Date 4/3/96  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: N/A Type \_\_\_\_\_ Depth \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME GEOPROJECTS INTERNATIONAL INC. WELL DRILLER'S LICENSE NO. 2523W  
 (Type or print)

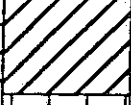
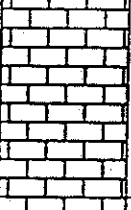

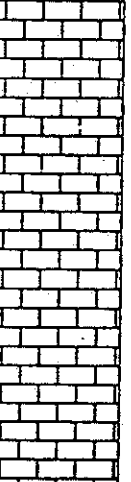
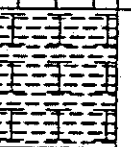
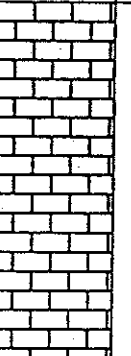
ADDRESS 8534 CIRCLE DRIVE AUSTIN TX 78738  
 (Street or RFD) (City) (State) (Zip)

(Signed) Lee Gebbert (Signed) \_\_\_\_\_  
 (Licensed Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if any

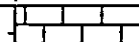




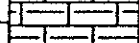


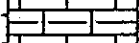

## Drilling Log - Camp Stanley Storage Activity

PROJECT: <b>CSSA GROUNDWATER EVALUATION</b>	WELL NO.: <b>PHI</b>
CLIENT: <b>ARMSTRONG LAB/CSSA</b>	NORTH COORDINATE: <b>681064.2033</b>
LOGGED BY: <b>V. BURKHARDT</b>	EAST COORDINATE: <b>2121683.1623</b>
DRILLING CONTRACTOR: <b>GEOPROJECTS INTL., INC.</b>	TOTAL DEPTH (FT BGL): <b>361</b>
DRILLER: <b>LEE GEBBERT</b>	GROUND ELEVATION (FT MSL): <b>1219.11</b>
DRILLING RIG: <b>GARDNER DENVER 1500, AIR ROTARY</b>	TOP OF CASING ELEV. (FT MSL): <b>NA</b>
BIT SIZES: <b>6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT</b>	SURFACE CASING INTERVAL: <b>NA</b>
DRILLING START: <b>4/1/96 (1330)</b>	COMPLETION INTERVAL: <b>NA</b>
DRILLING END: <b>4/2/96 (1555)</b>	WATER FOUND (FT BGL): <b>275 FT BGL</b>
DATE PLUGGED: <b>4/13/96</b>	STATIC WATER LEVEL (FT BTOC): <b>251.2 FT BGL-4/3/96</b>

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	0		CLAY, black grading downward to brown, with trace of fine- to medium-sized grains of white limestone, stiff, fat, dry.	
1209	10		LIMESTONE, beige, weathered, fine-grained with thin layers of brown clay, hard, dry.  @ 7.5 to 9.5 ft. porous zone bounded by hard crystalline calcite, filled with fractured limestone and moist orange clay.	
			LIMESTONE, yellow, weathered, damp, hard.	
1199	20		LIMESTONE, beige, interbedded with orange-yellow clay, moderate to hard, slightly moist.  @ 17.5 ft. weathered and moist.  @ 23 to 25 ft. moist.  @ 27 ft. moist.	
1189	30		MARL, light blue-gray, soft, with some yellowish-beige limestone layers, dry.	
1179	40		LIMESTONE, beige, moist, moderate hardness.	
	50			

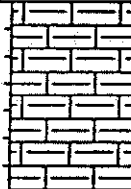
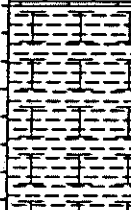
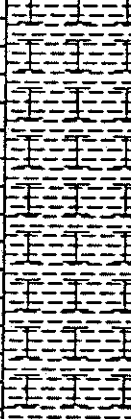
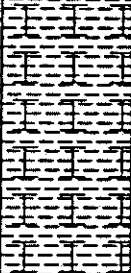
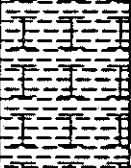
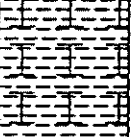
### Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1623
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	50		MARL, light blue-gray, soft to moderate.	
1159	60		MARLY LIMESTONE, light yellowish-brown, interbedded with thin layers of slightly moist clay, moderate hardness.	
			MARLY LIMESTONE, beige, soft, dry.  @ 65 to 70 ft. damp, moderate hardness.	
1149	70			
				
1139	80		MARLY LIMESTONE, gray, dry.	
				
1129	90			
				
	100			

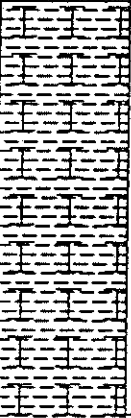
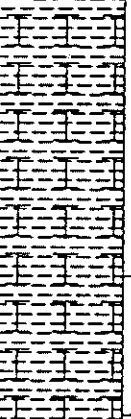
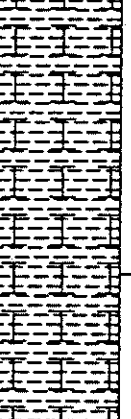
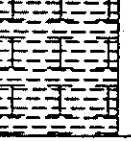
### Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1823
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	100			
1109	110		MARL, light brown, soft, moist, fracture at 107 ft. yields trace of water.	
1099	120		MARL, greenish-gray, slightly moist, soft powdery cuttings.	
1089	130			
1079	140		@ 140 to 145 ft. moderate hardness.	
	150		MARL, yellowish-beige, soft, powdery cuttings.	

### Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1623
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	150			
1059	160			
			MARL, light yellowish-beige grading downward to light greenish-beige, soft, very powdery cuttings, very plastic when wetted, dry.	
1049	170			
			MARL, greenish-brown, very soft, dry.	
1039	180			
			MARL, light yellowish-beige, soft, dry, grades down to light beigish yellow, dry.	
1029	190			
			MARL, light gray, soft, dry.	
	200			

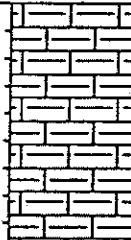
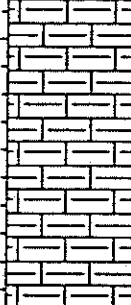
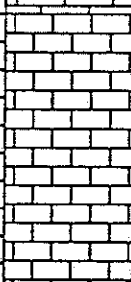
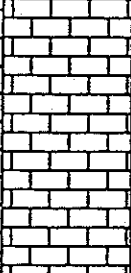
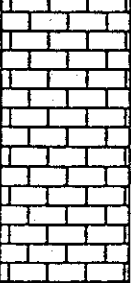

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1623
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	200			
1009	210			
999	220			
989	230			
			MARL, medium gray, moderate to soft, dry.	
979	240		MARLY LIMESTONE, light brownish gray, soft to moderate, dry.	
	250			

## Drilling Log - Camp Stanley Storage Activity









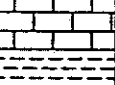








PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1623
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 8 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	250		@ 255 ft. slightly moist.	
959	260		@ 259 ft. moist and darker gray. MARLY LIMESTONE, gray with some beige limestone, soft, damp. @ 262 to 264 ft. a ledge of hard beige limestone. @ 261 to 265 ft. fractures.	
949	270		LIMESTONE, beige with soft gray marl, moderate to hard. @ 270 to 275 ft. wet. @ 275 ft. saturated.	
939	280		LIMESTONE, medium blue-green gray with some beige limestone, hard, saturated.	
929	290			
	300			




### Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1623
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

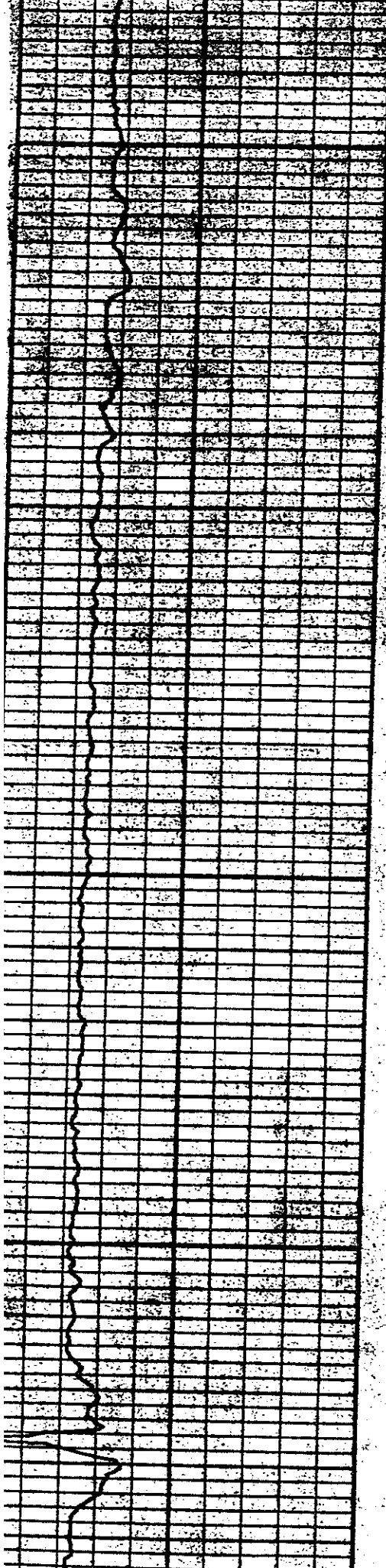
ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	300			
909	310		LIMESTONE, yellow with medium gray soft marl, hard, saturated. @ 312 to 313 ft. fractures.	Top of Bexar Shale identified by gamma log deflection.
			LIMESTONE, yellow, hard, with 30% fine- to medium-grained sand, increase in water at 317 ft., saturated (Hensell Sand).	
899	320			
				
				
889	330		SHALE, medium bluish-gray with thin layers of limestone.	Top of Bexar Shale identified by cuttings.
				
				
879	340			
				
				
				
				
				
				
	350			

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PHI
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 681064.2033
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2121683.1623
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 361
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1219.11
DRILLING RIG: GARDNER DENVER 1500, AIR ROTARY	TOP OF CASING ELEV. (FT MSL): NA
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: NA
DRILLING START: 4/1/96 (1330)	COMPLETION INTERVAL: NA
DRILLING END: 4/2/96 (1555)	WATER FOUND (FT BGL): 275 FT BGSL
DATE PLUGGED: 4/13/96	STATIC WATER LEVEL (FT BTOC): 251.2 FT BGL-4/3/96

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
	350		SHALE, medium bluish-gray with thin layers of limestone.	
859	360		<i>Total depth = 361 feet.</i>	
	370			
	380			
	390			
	400			



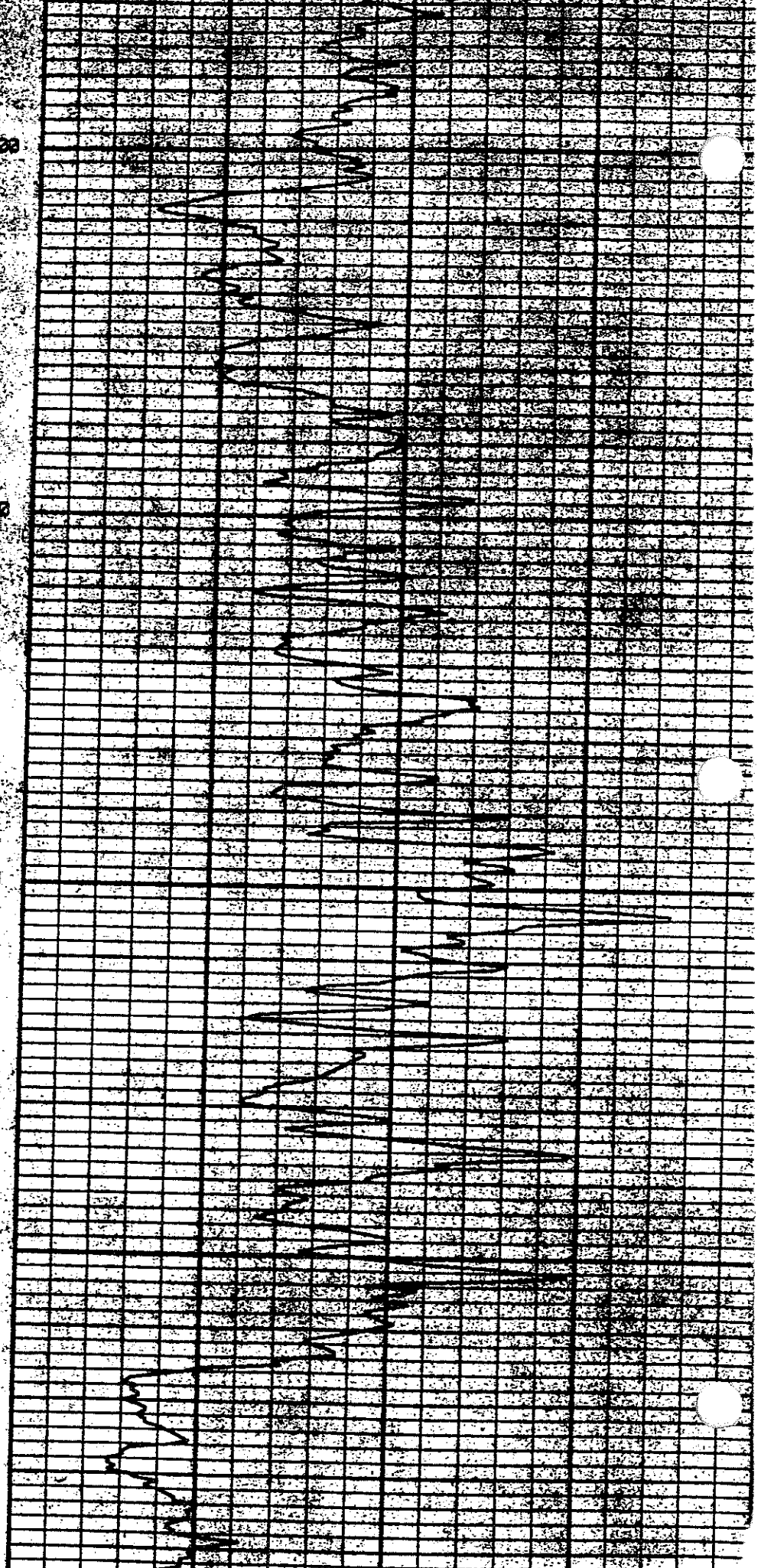


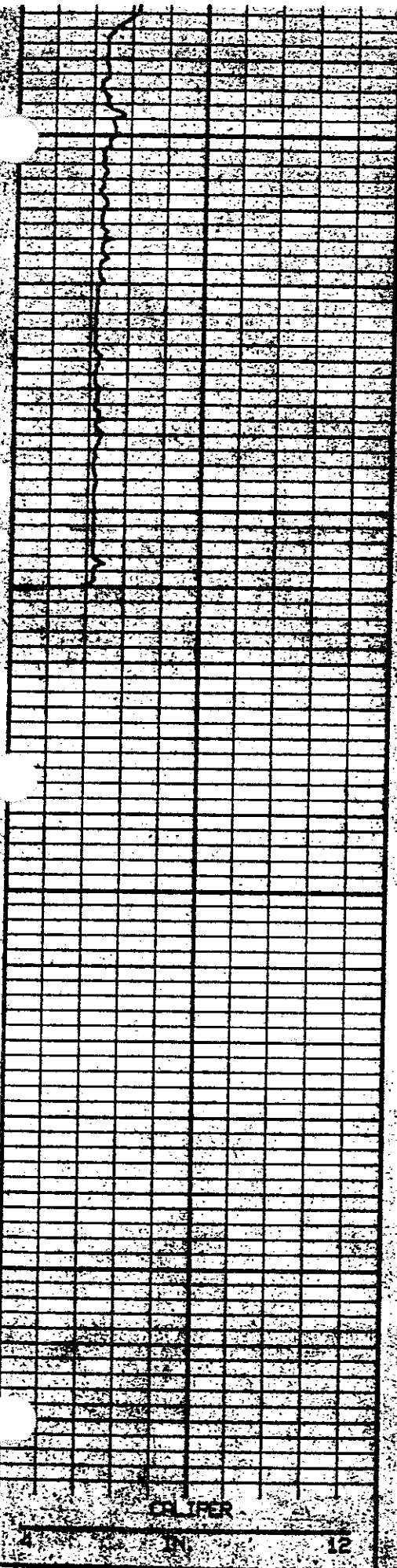
100

150

200

250





300

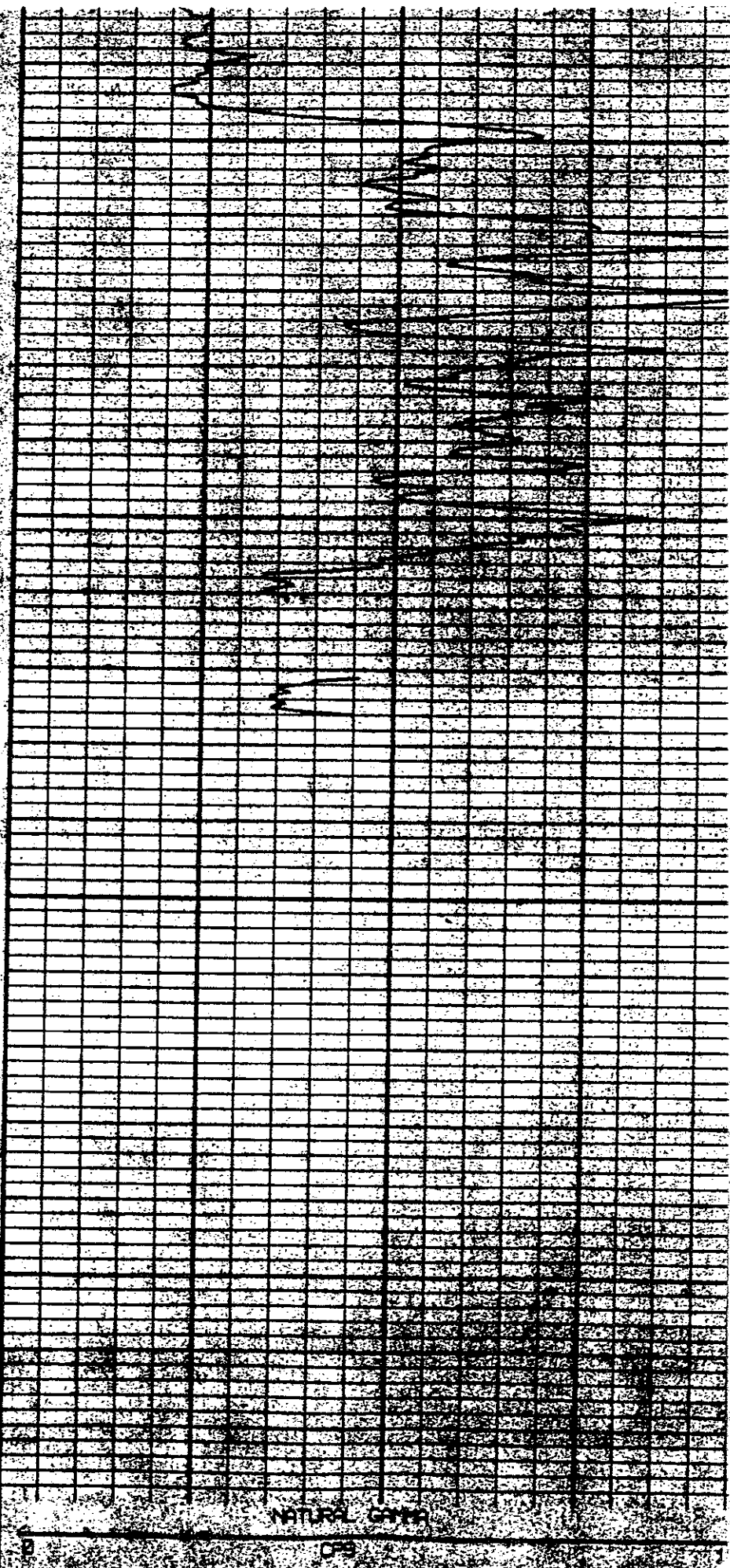
350

400

450

CALIFER

4 12



NATURAL GAMMA

0 10

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-MW2

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286206
<i>Longitude (UTM):</i>	537446
<i>Elevation (Feet MSL):</i>	1235.4

### WELL COMPLETION DATA

<i>Date Drilled:</i>	10-Apr-96
<i>Well Depth (feet bgs):</i>	361
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	141
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	349

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Monitoring
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	253.95 07-Sep-99
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Geophysical survey conducted at pilot hole (PH-2) on April 11, 1996. Bladder pump installed for sampling only.



ATTENTION OWNER: Confidentiality  
 Privilege Notice on Reverse Side

**State of Texas**  
**WELL REPORT**

Texas Water Well Drillers Advisory Council  
 P.O. Box 13087  
 Austin, Tx. 78711-3087  
 512-239-0530

1) OWNER Comp Stanley Storage Activity ADDRESS 25800 Ralph Fair Rd. Boerne TX 78015-4800  
 (NAME) (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL: County Bexar same as above Boerne TX 78015 STATE GRID # 88-19-8  
 (Street or RFD) (City) (State) (Zip)

3) TYPE OF WORK (Check):  
 New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):  Monitor  Environmental Soil Boring  Domestic  
 Industrial  Irrigation  Injection  Public Supply  De-watering  Testwell  
 If Public Supply well, were plans submitted to the TNRCC?  Yes  No

6) WELL LOG: MW-2

Date Drilling	DIAMETER OF HOLE		
	Dia. (in.)	From (ft.)	To (ft.)
Started: <u>4/4 19 98</u>	10	0	141
Completed: <u>4/10 19 98</u>	6	141	360

7) DRILLING METHOD (Check):  Driven  
 Air Rotary  Mud Rotary  Bored  
 Air Hammer  Cable Tool  Jetted  
 Other \_\_\_\_\_

From(ft.)	To(ft.)	Description and color of formation material
0	13.5	Clay
13.5	17	Limestone
17	18.5	Clay & Limestone Gravel
18.5	23	Limestone
23	32	Marl
32	50	Limestone
50	89	Marl to Marly Limestone
89	132	Limestone to Marly Limestone
132	174	Marl
174	184	Limestone
184	191	Marl
191	348	Limestone
348	357	Marly Limestone
357	360	Limy Shale

8) Borehole Completion (Check):  Open Hole  Straight Wall  
 Underreamed  Gravel Packed  Other \_\_\_\_\_  
 If gravel packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA: N/A

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf. Slotted, etc. Screen Mfg., if Commercial	Setting (ft.)		Casing Screen
			From	To	
6	N	PVC RISER	2	141	SCH40
		PVC SCREEN			
		PVC TRAP			

13) TYPE PUMP: N/A  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
 Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

9) CEMENTING DATA [RULE 338.44(1)]  
 Cemented from 0 ft. to 141 ft. No. of sacks used \_\_\_\_\_  
 Bentonite \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of sacks used \_\_\_\_\_  
 Method used \_\_\_\_\_  
 Cemented by Lee Gebbert  
 Distance to septic system field lines \_\_\_\_\_ ft.  
 Method of verification of above distance \_\_\_\_\_

14) WELL TESTS: N/A  
 Type test:  Pump  Bailor  Jetted  Estimated  
 Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

10) SURFACE COMPLETION N/A  
 Specified Surface Slab Installed [Rule 338.44(2)(A)]  
 Specified Steel Sleeve Installed [Rule 338.44(3)(A)]  
 Pileless Adapter Used [Rule 338.44(3)(b)]  
 Approved Alternative Procedure Used [Rule 338.71]

15) WATER QUALITY:  
 Did you knowingly penetrate any strata which contained undesirable constituents?  
 Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

11) WATER LEVEL:  
 Static level 268.61 ft. below land surface Date 4/5  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: N/A Type \_\_\_\_\_ Depth \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmitted.

COMPANY NAME GEOPROJECTS INTERNATIONAL INC. WELL DRILLER'S LICENSE NO. 2525W  
 (Type or print)

ADDRESS 8834 CIRCLE DRIVE AUSTIN TX 78738  
 (Street or RFD) (City) (State) (Zip)

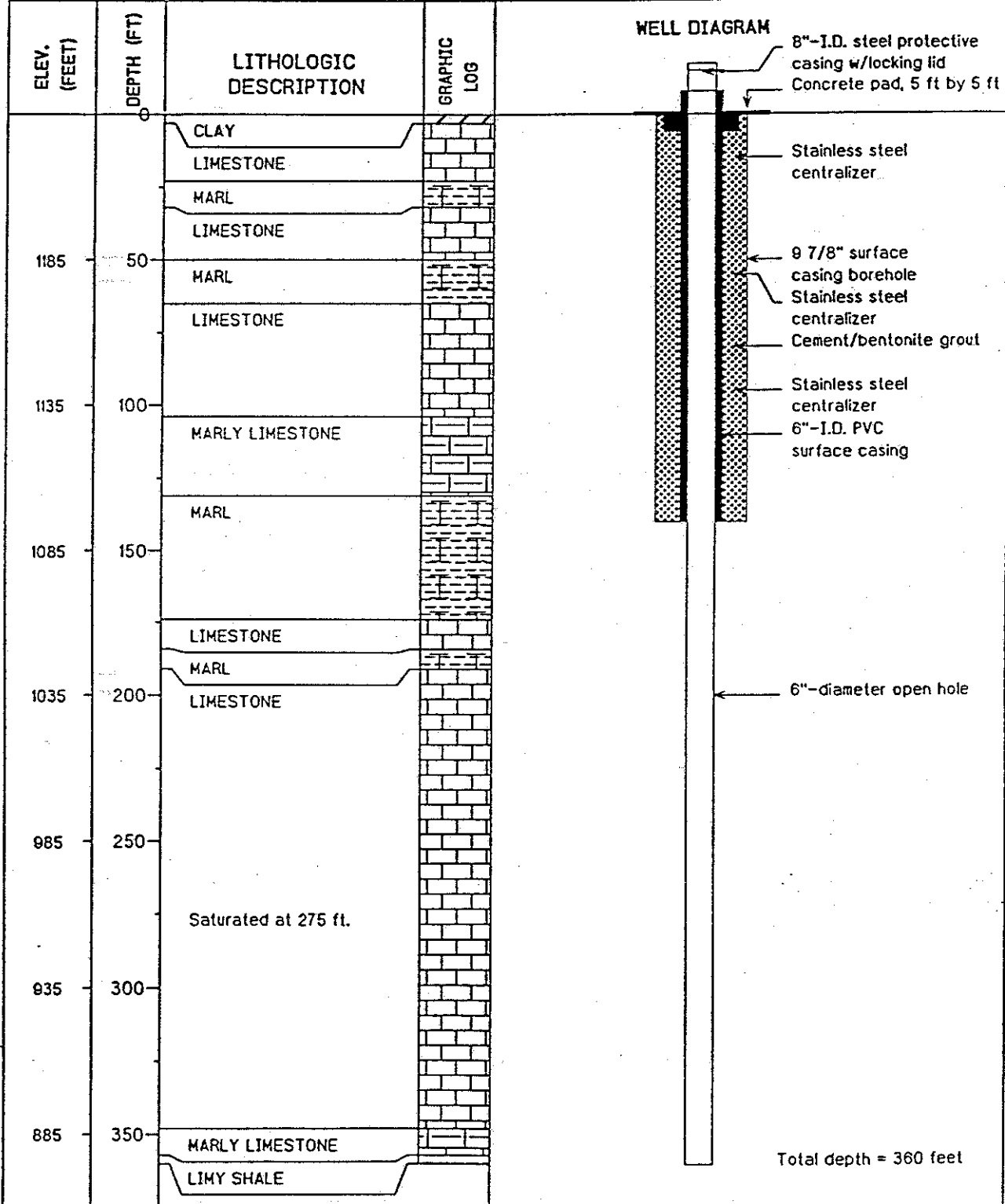
(Signed) Lee Gebbert (Signed) \_\_\_\_\_  
 (Licensed Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if any





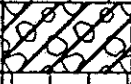
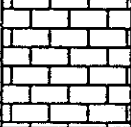
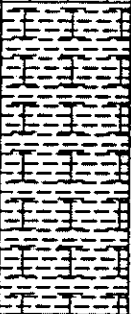
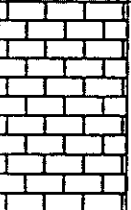

## Monitoring Well Completion Log - CSSA

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: MW2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGSL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500 - AIR ROTARY	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND: 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61



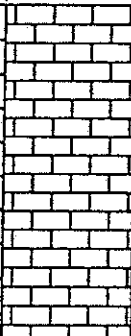
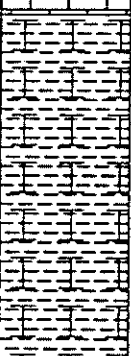

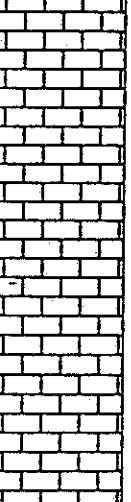

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2584
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 8 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/98 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/98 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/98	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
1235	0		CLAY, medium reddish-brown with some beige limestone fragments, moist, plastic, stiff.	
			LIMESTONE, reddish-beige, hard, crystalline, dry, with some light reddish-beige, plastic, slightly moist clay.	
1225	10		LIMESTONE, beige, hard with trace orange weathering and some light reddish-beige, plastic, moist clay.	
			CLAY and LIMESTONE GRAVEL.	
1215	20		LIMESTONE, medium grayish-beige, crystalline, hard, dry, fractured at 19.5 to 23 ft.	
			MARL, gray, soft to moderate, with moist clay seams.	
1205	30		LIMESTONE, beige, chalky, moderate competence, dry. @ 32.5 hard ledge. @ 33.5 softer, weathered, crystalline limestone. @ 36.5 very hard, grayish-beige with orange weathering.	
			LIMESTONE, gray, crystalline, moderate competence, interbedded with layers of soft blue-gray marl.	
	40			

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
1195	40		<p>LIMESTONE, light gray, hard, fine-grained, dry.</p> <p>@ 44.0 ft. softer, medium gray, marly with some medium- to coarse-grained, rounded sand.</p> <p>LIMESTONE, light brownish-gray beige, hard, very fine-grained.</p> <p>@ 47 ft. brownish-gray, very soft, fine-grained with interclasts of brown limestone, slightly moist.</p>	
1185	50		<p>MARL, medium gray, dry, soft.</p> <p>@ 52 ft. harder.</p> <p>@ 53 ft. really hard.</p> <p>@ 54 ft. soft, brownish-gray.</p> <p>@ 57 ft. very soft, darker gray.</p>	
1175	60		<p>MARLY LIMESTONE, medium yellowish-brown, slightly moist, soft, becomes harder with increased depth.</p>	
1165	70		<p>LIMESTONE, yellowish-beige, very weathered, soft, slightly moist, interbedded with layers of medium competence.</p> <p>@ 66.5 ft. moist.</p> <p>@ 69 ft. moist.</p> <p>@ 74 ft. harder.</p> <p>@ 74.5 ft. darker, dry.</p> <p>@ 76 ft. soft.</p> <p>@ 78 ft. brownish-yellow gray.</p>	
	80			


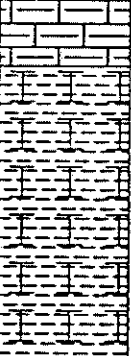
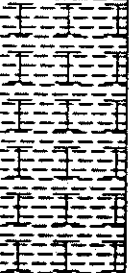
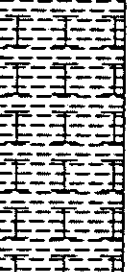
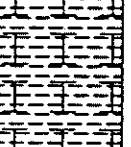
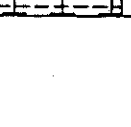

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
1155	80		<p>@ 83 ft. a few thin, gray layers.</p> <p>@ 84.5 ft. hard, moist, limestone.</p>	
1145	90		LIMESTONE, yellowish-beige, very weathered, very soft, dry, with some chert.	
1135	100		@ 102 ft. moist zone with orangish weathering.	
1125	110		MARLY LIMESTONE, brownish-gray, moderate competence, dry.	
	120		@ 115 to 121 ft. bluish-gray.	

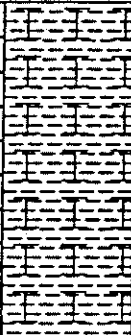
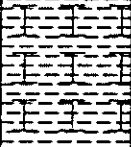
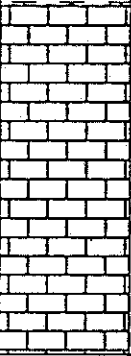
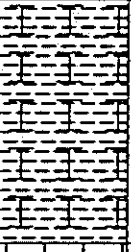

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
1115	120			
1105	130			
			MARL, medium grayish-beige, soft, dry.	
			@ 137 ft. harder, grayish-brown.	
1095	140		@ 140 to 146 ft. soft, brownish-beige, powdery cuttings.	
			@ 146 ft. hard, brownish-gray.	
			@ 148 ft. brownish-gray, moderate competence.	
1085	150		@ 151 ft. medium grayish-beige marl with traces of orange clay, moderate competence, powdery cuttings, dry.	
	160			

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
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BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
1075	160		<p>@ 162 ft. brownish-gray marl, powdery cuttings, dry.</p> <p>@ 167 ft. grayer, dry, powdery.</p> <p>@ 169 ft. grayish brown, dry, powdery.</p>	
1065	170			
1055	180		<p>LIMESTONE, medium yellowish-beige, hard, dry.</p> <p>@ 179 ft. same as above but light gray.</p>	
1045	190		<p>MARL, grayish-brown, moderate competence, dry.</p>	
	200		<p>LIMESTONE, brownish-gray, fine-grained, hard, dry.</p> <p>@ 196 to 200 ft. several soft layers.</p>	

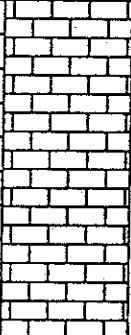
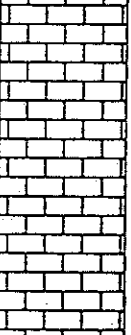
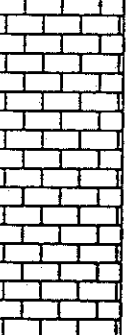
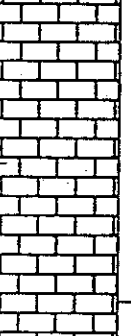

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680784.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
1035	200		204'-219' LIMESTONE, yellowish beige, fine-grained, hard, dry.  @ 207 to 208 ft. fracture zone.	
1025	210			
1015	220		LIMESTONE, light greenish-gray, hard, dry.	
1005	230		@ 230 to 235 ft. light gray.	
	240			

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGS
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGS
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGS
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
995	240		@ 244 to 245 ft. moderate competence.	
985	250		@ 255 to 260 ft. medium greenish-gray.	
975	260		@ 260 to 265 ft. slightly moist.	
965	270		@ 268 to 273 ft. beigish-gray.	
			LIMESTONE, medium gray, very fine-grained, hard, dry.	
	280			



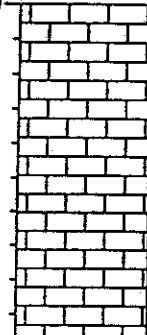
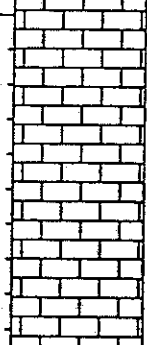
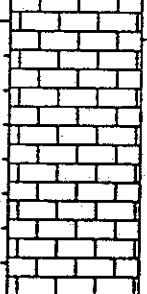
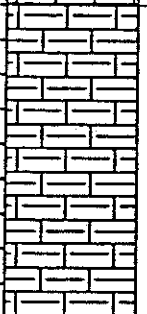

### Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2584
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGS
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGS
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGS
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

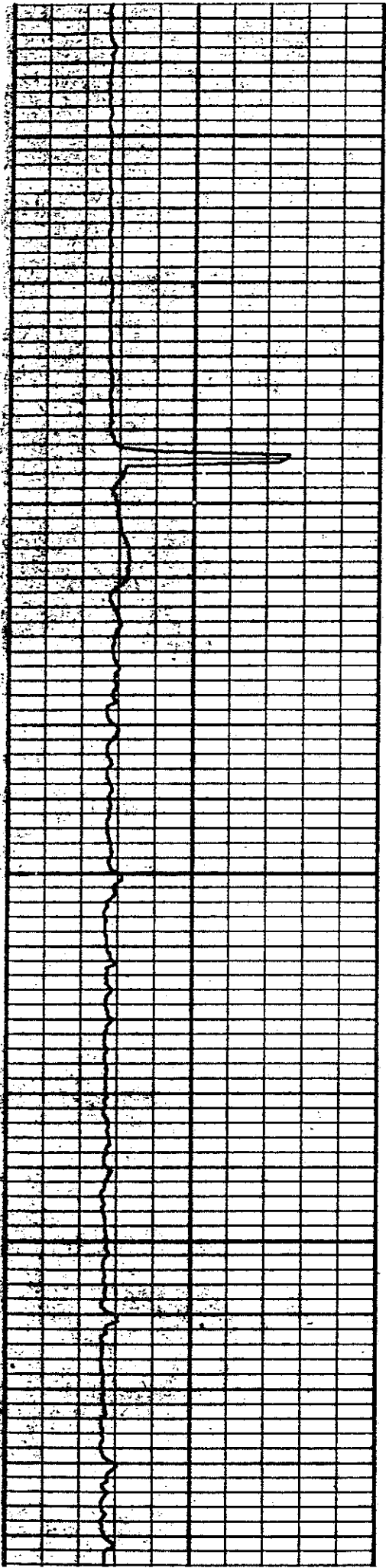
ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
955	280		<p>@ 286 ft. bluish gray, very hard, dry.</p> <p>@ 289 ft. slightly moist.</p>	
945	290		<p>LIMESTONE, light brown, moderate competence, powdery cuttings, slightly moist.</p> <p>@ 294 ft. fracture.</p> <p>@ 297.5 ft. water encountered.</p>	
935	300		<p>LIMESTONE, yellowish-beige, very fossiliferous (coral, burrows, bryozoans, pelecypods), very porous with vugs up to .15' diameter, calcite crystal infilling of some voids, hard, saturated.</p>	
925	310		<p>LIMESTONE, light gray, fossiliferous (pelecypods, burrows), porous with vugs up to .02' diameter, a black stylolite trends across core at 45-degree angle at 309.5-309.8, hard, saturated.</p> <p>@ 311 ft. LIMESTONE, brownish-gray, hard, saturated.</p>	
	320			

## Drilling Log - Camp Stanley Storage Activity

PROJECT: CSSA GROUNDWATER EVALUATION	WELL NO.: PH2
CLIENT: ARMSTRONG LAB/CSSA	NORTH COORDINATE: 680794.2564
LOGGED BY: V. BURKHARDT	EAST COORDINATE: 2122986.5474
DRILLING CONTRACTOR: GEOPROJECTS INTL., INC.	TOTAL DEPTH (FT BGL): 360
DRILLER: LEE GEBBERT	GROUND ELEVATION (FT MSL): 1235.433
DRILLING RIG: GARDNER DENVER 1500	TOP OF CASING ELEV. (FT MSL): 1237.073
BIT SIZES: 6-INCH ROCK BIT, 9 7/8-INCH ROCK BIT	SURFACE CASING INTERVAL: +2.5 TO 140 FT BGSL
DRILLING START: 4/4/96 (0715)	COMPLETION INTERVAL: 140 TO 360 FT BGSL
DRILLING END: 4/5/96 (1000)	WATER FOUND (FT BGL): 297.5 FT BGSL
DATE COMPLETED: 4/10/96	STATIC WATER LEVEL (FT BTOC): 268.61

ELEV. (FEET)	DEPTH (FT)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	COMMENTS
915	320			Top of Bexar Shale identified by gamma log deflection. 320-325: Light gray sand size limestone cutting.
905	330			335-340: Light gray coarse sand size limestone cuttings.
895	340		LIMESTONE, light gray, recrystallized, hard, trace of fine-grained quartz sand, some laminae of dark gray marl increasing with depth, some vugs up to .02 ft. in diameter, mottled with infilling of vugs with light gray limestone 15 342'-343', fractured at 343.0 to 345.4 ft. and 347.8 to 348.8 ft., saturated.	
885	350		MARLY LIMESTONE, medium gray, up to 30% fine-grained quartz sand, wet, void at 350.0 to 350.25 ft. (core barrel dropped).	
	360		LIMEY SHALE, medium and dark gray, with 5 to 10% fine-grained quartz sand, dry.	Top of Bexar Shale identified by cuttings.



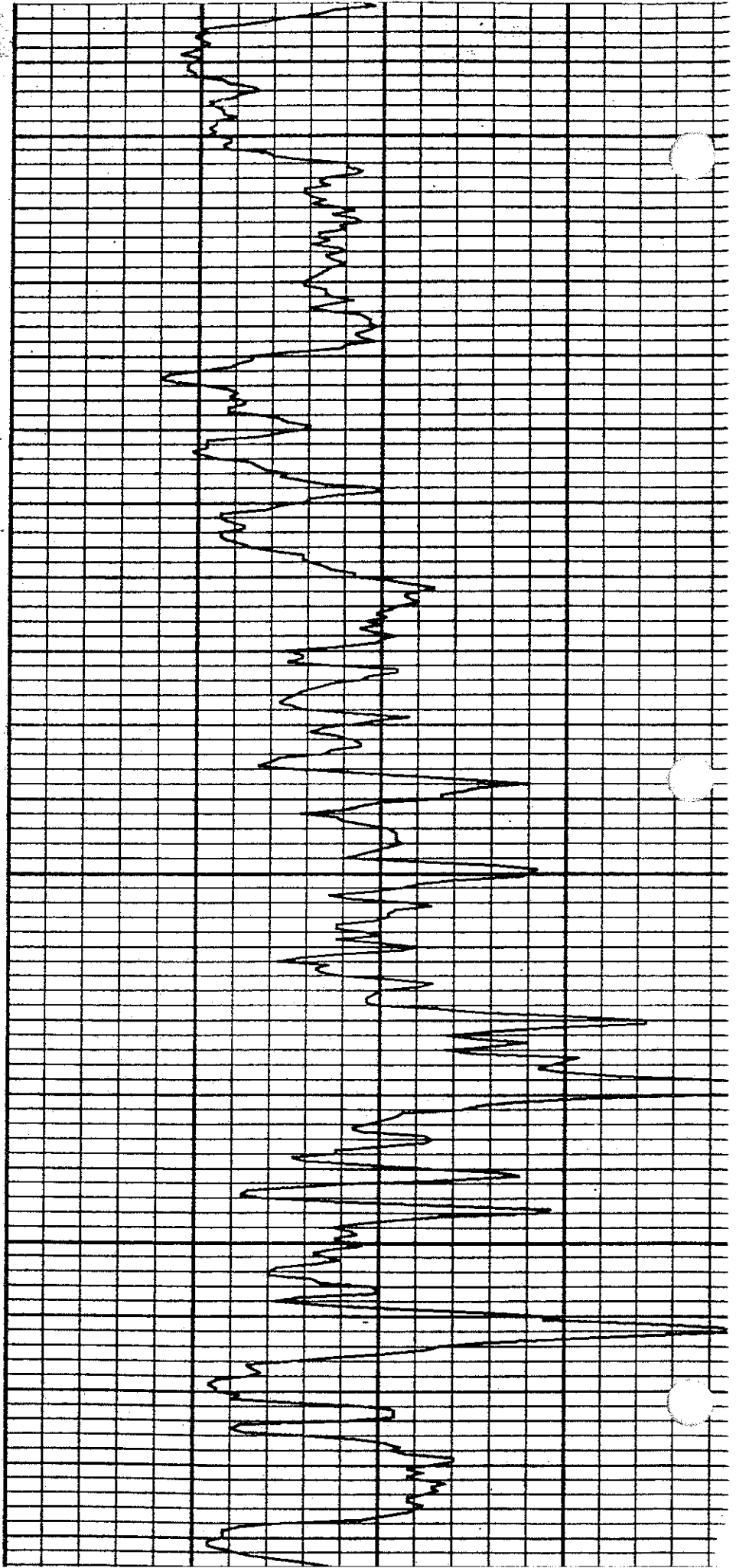


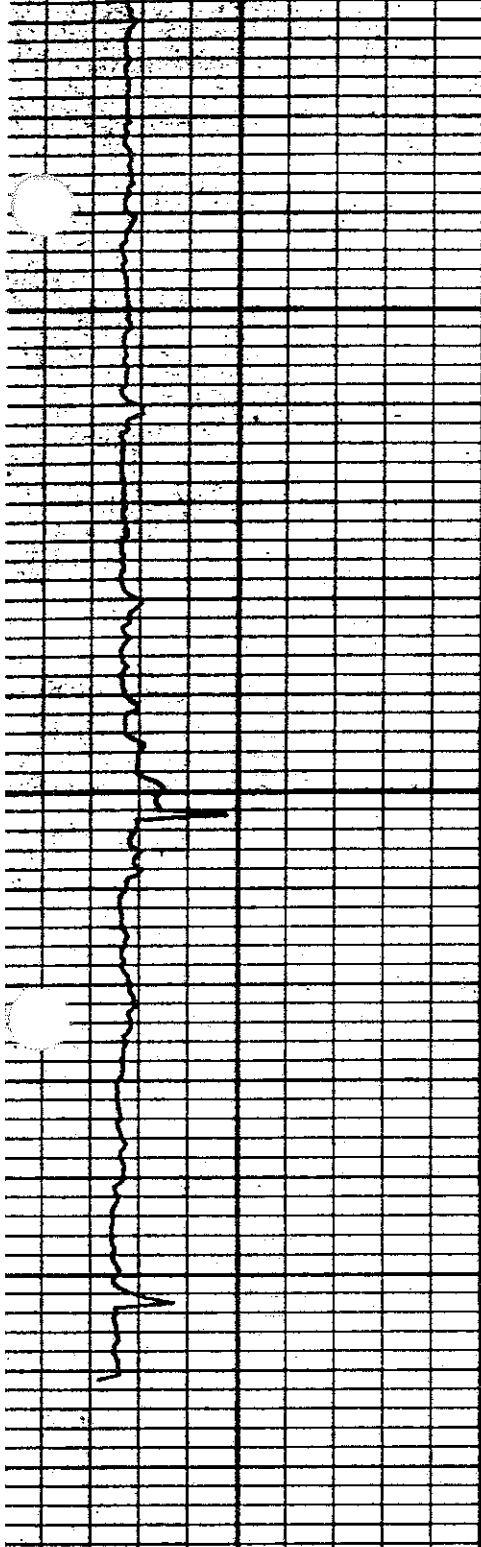
100

150

200

250





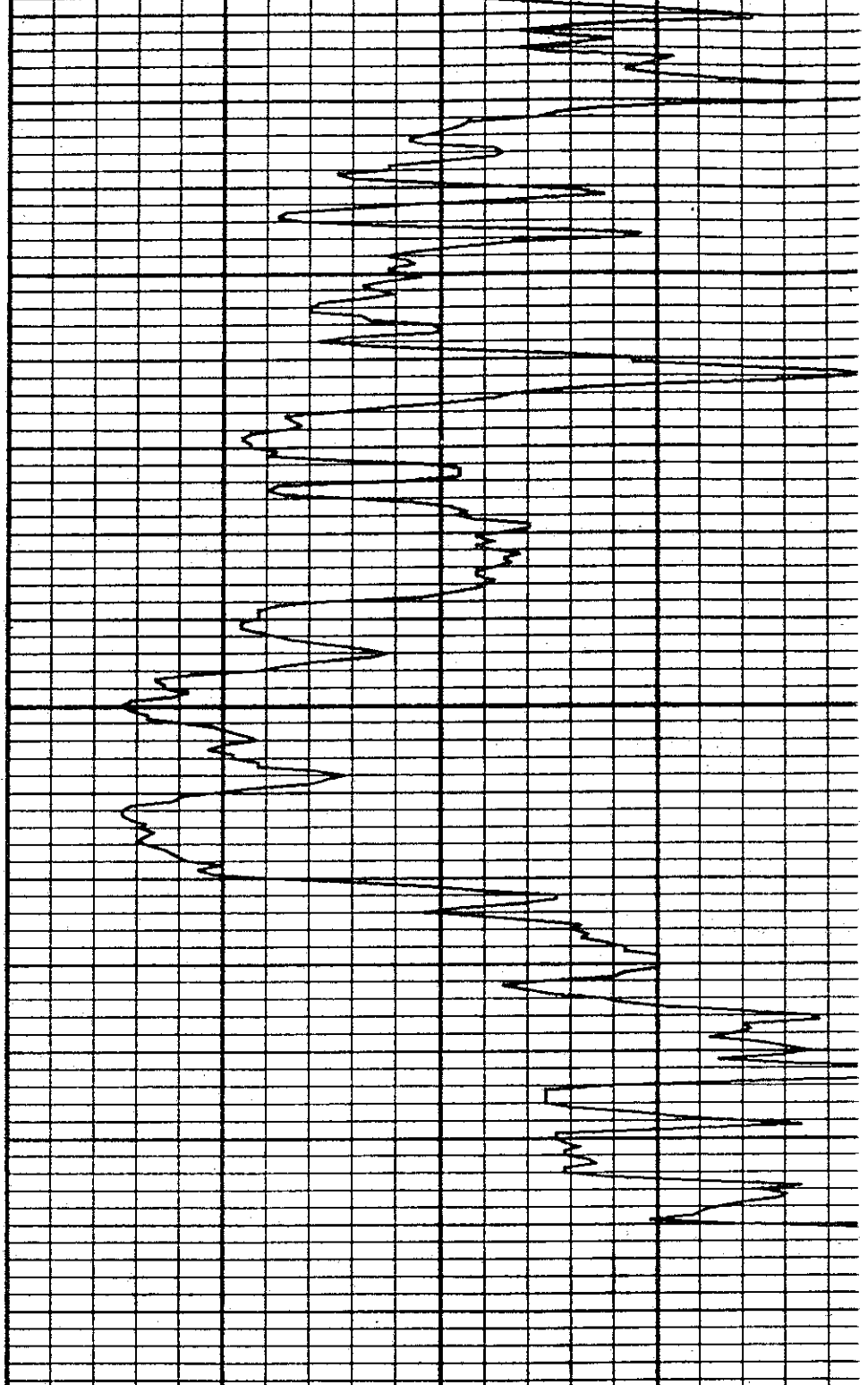
CALIPER

4 IN. 12

250

300

350



NATURAL GAMMA

0 CPS 100

STOP DEPTH 380FT DATE: 04-24-96 TIME: 10:07a FILE: CPSTANP2 PLAYBACK PROGRAM

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-5

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3284453
<i>Longitude (UTM):</i>	535881
<i>Elevation (Feet MSL):</i>	1285

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	157.91
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	Dry 01-Oct-92
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

Well plugged September 29, 1994

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-6

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3283186
<i>Longitude (UTM):</i>	535743
<i>Elevation (Feet MSL):</i>	1190

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	119.98
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	6
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	116.88 01-Oct-92
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

Well plugged September 29, 1994

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-A

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286799
<i>Longitude (UTM):</i>	536587
<i>Elevation (Feet MSL):</i>	1277

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-B

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286840
<i>Longitude (UTM):</i>	536869
<i>Elevation (Feet MSL):</i>	1246

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-C

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3286841
<i>Longitude (UTM):</i>	536991
<i>Elevation (Feet MSL):</i>	1234

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: CS-E

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	3287304
<i>Longitude (UTM):</i>	537237
<i>Elevation (Feet MSL):</i>	1265

## WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Middle Trinity

## OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CS-F

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	same
<i>Physical Address:</i>	25800 Ralph Fair Road
<i>Location/Subdivision:</i>	CSSA

<i>Latitude (UTM):</i>	328771
<i>Longitude (UTM):</i>	537106
<i>Elevation (Feet MSL):</i>	1284

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Stock
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CB-7

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	Grosser Ranch
<i>Physical Address:</i>	Grosser Ranch
<i>Location/Subdivision:</i>	Camp Bullis

<i>Latitude (UTM):</i>	3289159
<i>Longitude (UTM):</i>	538084
<i>Elevation (Feet MSL):</i>	1330

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	172
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	20
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	N/A
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Plugged unrecorded date by 435th Engineering Company.

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: CB-30

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## PHYSICAL DESCRIPTION

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<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	Comanche Hand Dug
<i>Location/Subdivision:</i>	Camp Bullis

<i>Latitude (UTM):</i>	3283971
<i>Longitude (UTM):</i>	538107
<i>Elevation (Feet MSL):</i>	1170

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## WELL COMPLETION DATA

---

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	N/A
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

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## OTHER NOTES

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In use for wildlife/fire safety.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: CB-31

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	U.S. Government
<i>Original Owner:</i>	Comanche Mill
<i>Physical Address:</i>	Comanche Mill
<i>Location/Subdivision:</i>	Camp Bullis

<i>Latitude (UTM):</i>	3283891
<i>Longitude (UTM):</i>	538166
<i>Elevation (Feet MSL):</i>	1170

### WELL COMPLETION DATA

<i>Date Drilled:</i>	01-Apr-05
<i>Well Depth (feet bgs):</i>	601
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	None

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	300 01-Apr-05
<i>Production Zone(s):</i>	Middle Trinity

### OTHER NOTES

Blockage at 1.5 feet - Plugged by FWDENG.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-2

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-303
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	7286 Dietz-Elkhorn Road
<i>Location/Subdivision:</i>	Fair Oaks

<i>Latitude (UTM):</i>	3288969
<i>Longitude (UTM):</i>	536053
<i>Elevation (Feet MSL):</i>	1351

### WELL COMPLETION DATA

<i>Date Drilled:</i>	08-Jan-75
<i>Well Depth (feet bgs):</i>	553
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	282
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	504

<i>Well Yield (gpm):</i>	20
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	250 13-Aug-99
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES

Prior to 1975 this well was originally 384' deep. In January 1975 the well was deepened to 555'. Geophysical survey conducted on January 9, 1975. Depth to Cow Creek is 442'.

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

SDE-77227

Aquifer Glen Rose?

Field No. 1

State Well No. 68-19-303

Owner's Well No. \_\_\_\_\_

County Bexar

1. Location: 1/4 1/4 Sec. \_\_\_\_\_ Block \_\_\_\_\_ Survey \_\_\_\_\_

2. Owner: Fair Oaks Ranch Address: \_\_\_\_\_

Tenant: Ralph E. Fair, Jr. Address: \_\_\_\_\_

Driller: Walter N. Bergeman Address: Boerne

3. Elevation of LSD is 1345 ft. above sea, determined by Topo. (10')

4. Drilled: DEEPEX IS 75 Dig. Wible Tool Rotary

5. Depth: Rept. 555 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfg. \_\_\_\_\_ Type \_\_\_\_\_

No. Stages \_\_\_\_\_ Bore Dia. \_\_\_\_\_ in., Setting \_\_\_\_\_ ft.

Column Dia. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: Fuel \_\_\_\_\_ Make & Model \_\_\_\_\_ HP \_\_\_\_\_

9. Yield: Flow \_\_\_\_\_ GPM, Pump \_\_\_\_\_ GPM, Meas., Rept., Est. \_\_\_\_\_

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_

Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.

Production \_\_\_\_\_ GPM Specific Capacity \_\_\_\_\_ GPM/ft.

11. Water Level: 220 ft. 1-0 1975 LSD which is \_\_\_\_\_ ft. above surface, below surface, above surface, below surface, above surface, below surface, above surface, below surface.

12. Use: Dom., Stock Public Supply Ind., Irr., Waterflooding, Observation, Not Used.

13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis 4-5-77 Laboratory TDHR

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log, Formation Samples, Pumping Test

15. Record by: R.W. Morris Date 1977

Source of Data \_\_\_\_\_

16. Remarks: This well was originally 384' deep and a Glen Rose producer. The section 25 paces to the Dibs. looks tight below this depth & the water quality suggests it is still producing mainly or entirely from the Glen Rose.


CASTING & WIRE PIPE			
Cemented From _____ ft. to _____ ft.		Setting, ft.	
Diam. (in.)	Type	From	To
6 1/2	Steel	0	?

WELL SCREEN			
Screen Openings			
Elev. (ft.)	Type	Setting, ft.	
		From	To
	None		

# Fair Oaks Ranch

Send original copy by certified mail to the Texas Water Development Board P. O. Box 13087 Austin, Texas 78711

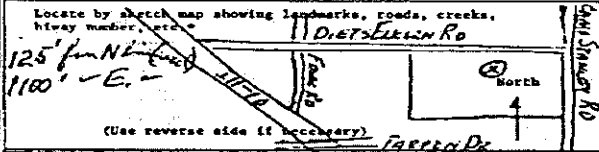
State of Texas

WATER WELL REPORT

For TWDB use only  
Well No. 68-19-3E  
Located on map \_\_\_\_\_  
Received: \_\_\_\_\_

1) OWNER: Person having well drilled FAIR OAKS RANCH Address RT1 BOERNE TEXAS  
(Name) (Street or RFD) (City) (State)  
Landowner SAME Address \_\_\_\_\_ (City) (State)

2) LOCATION OF WELL: County WARRANT BEXAR 8 1/2 miles in SE direction from BOERNE  
(N.E., S.W., etc.) (Town)



Locate by sketch map showing landmarks, roads, creeks, highway number, etc. Give legal location with distances and directions from adjacent sections or survey lines.  
Labor \_\_\_\_\_ League \_\_\_\_\_  
Block \_\_\_\_\_ Survey 393  
Abstract No. 164  
(NW 1/4, NE 1/4, SW 1/4, SE 1/4) of Section \_\_\_\_\_

3) TYPE OF WORK (Check):  
New Well  Deepening   
Reconditioning  Plugging   
4) PROPOSED USE (Check):  
Domestic  Industrial  Municipal   
Irrigation  Test Well  Other   
5) TYPE OF WELL (Check):  
Rotary  Driven  Dug   
Cable  Jetted  Bored

6) WELL LOC: Diameter of hole 6 in. Depth drilled 555 ft. Depth of completed well 555 ft. Date drilled JAN 8, 1975  
All measurements made from ZERO ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
384	439	BLUE SHALE
439	443	GREEN SHALE
443	445	VERY HARD WHITE ROCK
445	471	WHITE ROCK (COW CREEK)
471	519	GREY SHALE
519	527	BLUE CLAY
527	548	BLUE GREEN SHALE
548	555	SOFT DARK BLUE CLAY
TD - 555'		

9) Casing: Type: Old  New  Steel  Plastic  Other   
Cemented from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Diameter (inches) \_\_\_\_\_ Section From (ft.) \_\_\_\_\_ To (ft.) \_\_\_\_\_ Gate \_\_\_\_\_  
6 1/2 0 UNK

10) SCREEN: Type NONE  
Perforated  Slotted   
Diameter (inches) \_\_\_\_\_ Section From (ft.) \_\_\_\_\_ To (ft.) \_\_\_\_\_ Slot Size \_\_\_\_\_

7) COMPLETION (Check):  
 Straight well  Gravel packed  Other \_\_\_\_\_  
 Under reamed  Open Hole

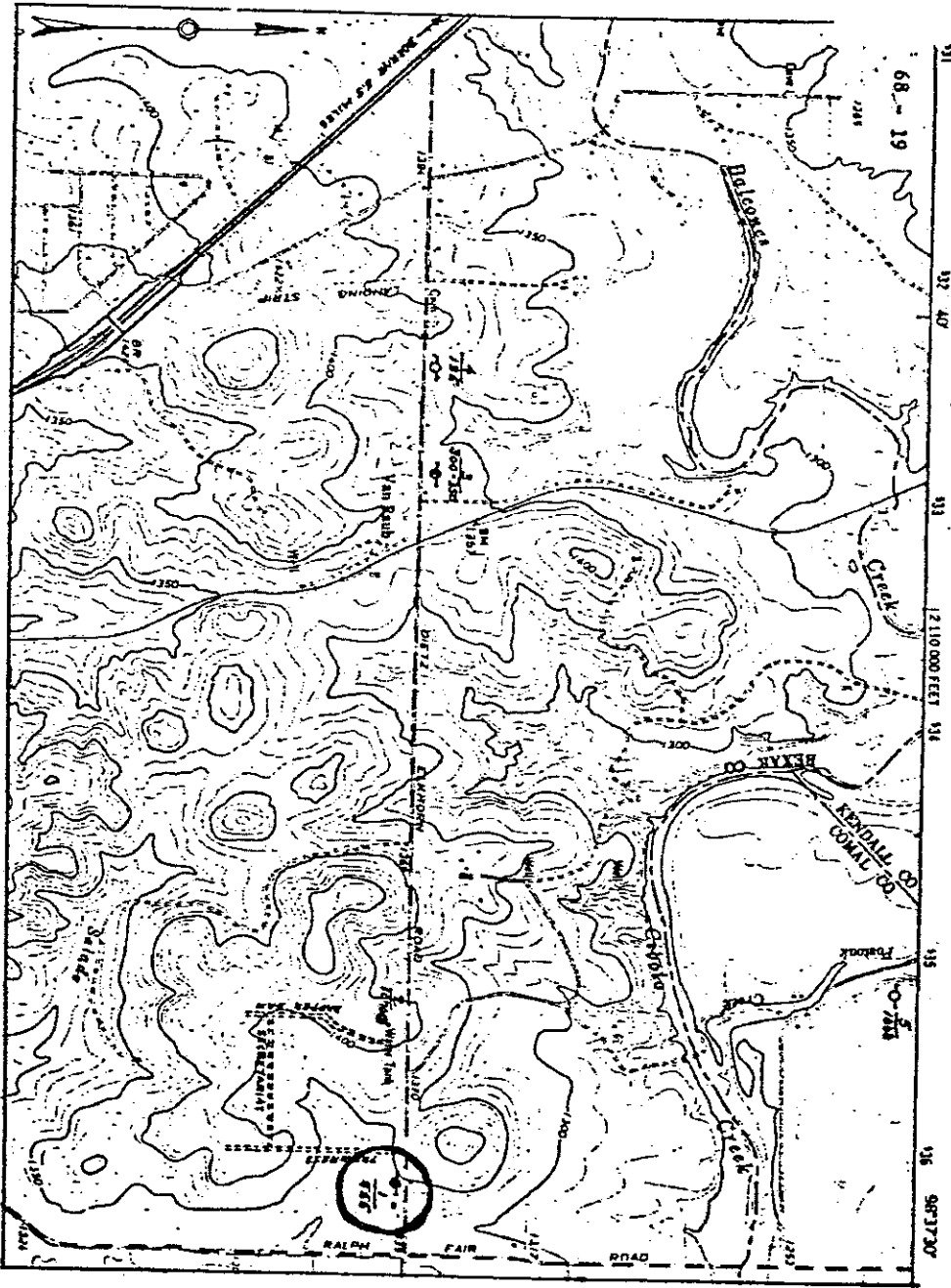
11) WELL TESTS:  
Was a pump test made? Yes  No  If yes, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Boiler test 20 gpm with 19 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ gpm  
Temperature of water \_\_\_\_\_

8) WATER LEVEL:  
Static level 220 ft. below land surface Date JAN 8, 1975  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft. below land surface.

12) WATER QUALITY:  
Was a chemical analysis made? Yes  No   
Did any strata contain undesirable water? Yes  No   
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.  
NAME WALTER N. BERGMANN Water Well Drillers Registration No. 282  
(Type or Print)  
ADDRESS P.O. BOX DRAWER R BOERNE TEXAS 78006  
(Street or RFD) (City) (State)  
(Signed) Louis Bergmann LOUIS BERGMANN & SON  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
\*Additional instructions on reverse side.



68-19

91  
92  
93  
94  
95  
96  
121000 FEET  
98730'

AY  
68-19-303

TEXAS WATER DEVELOPMENT BOARD

Surface Water

WELL SCHEDULE

Aquifer(s) Kace (21B eqn) Project No. 6029 State Well No. 68-19-303  
 Field No./Owner's Well No. #2 County (H) Bexar (015)

1. Location: 2, Section 2, Block 1, Survey 1, Lat. 37° 05' 00" N, Long. 97° 50' 00" W

2. Owner: Fair Oaks Subd Address: Rt. 4, Box 4495, Boerne TX 78006

Tenant (other): David Buchman Address: Same 512-755-4294

Driller: Lewis Bergman Sons Address: 135 S. Pecan St. Boerne TX 78006

3. Land Surface Elevation: 1330 ft. above msl determined by Topo

4. Drilled: Pre 19 75; Dug, Cable Tool, Rotary, Air

5. Depth: Rept. 553 ft. Meas. 509 ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. Sub Type Sub  
 No. Stages 3, Bore Dia. 3 in., Setting 509 ft.  
 Column Dia. 3 in., Length Tailpipe 509 ft.

8. Motor: Mfr. Elec. HP 15

9. Yield: Flow 0 gpm, Pump 0 gpm, Meas., Rept., Est. 0 Date 8-12-87

10. Performance Test: Date 8-12-87 Length of Test 19 Made by Obs  
 Static Level 1330 ft. Pumping Level 1330 ft. Drawdown 0 ft.  
 Production 0 gpm Specific Capacity 0 gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) None

Analyses  
 Date 8-12-87 Laboratory None TDS 0 Sp Cond 0  
 Date 8-12-87 Laboratory None TDS 0 Sp Cond 0

12. Other data available (as circled): Pumping Test, Power & Yield Test, Driller's Log,  
 Formation Samples, Geophysical Log(s) Gamma + Neutron

13. Water Level(s): 250.0 ft. 8-12 1987 Air Line Log which is 210 ft. above Land Surface  
250.0 ft. 8-12 1987 Air Line Log which is 210 ft. below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.)

15. Recorded by: Ben Mohr Source of data: Obs Date: 8-12-87

16. Remarks: Air Line Set 500'  
\*Unable to Tape well sealed

17. Location or Sketch: None

CASING, BLANK PIPE & WELL SCREEN Cemented From 0 ft. to 282 ft.			
Diam. (in.)	Type	Setting (feet)	
		From	to
8 1/2	Steel	0	282
	open hole	282	553

Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas Department of Health Laboratories  
1100 West 49th Street  
Austin, Texas 78756

**TDWR ONLY**

Organization No. \_\_\_\_\_ Lab No.   

Work No. \_\_\_\_\_

**CHEMICAL WATER ANALYSIS REPORT**

Send report to:  
Data Collection and Evaluation Section  
Texas Department of Water Resources  
P.O. Box 13087  
Austin, Texas 78711

Analysis copied from  
Texas Department of  
Health Files

County 015 **BEXAR**

State Well No. 68 19 303

Well No. 1

Date Collected 04 30 76

Owner FAIR OAKS RANCH SUBD. Send copy to owner Sample No.    By CSP

Address \_\_\_\_\_ Well Location \_\_\_\_\_

Date Drilled 1976 Depth \_\_\_\_\_ ft. WBF \_\_\_\_\_ Source (type of well) \_\_\_\_\_

Producing intervals \_\_\_\_\_ Water level \_\_\_\_\_ ft. Sample depth          ft.

Sampled after pumping \_\_\_\_\_ hrs. Yield \_\_\_\_\_ GPM <sup>meas.</sup>/<sub>est.</sub> Temperature       °F       °C

Point of collection \_\_\_\_\_ Appearance  clear  turbid  colored  other

Use \_\_\_\_\_ Remarks \_\_\_\_\_

(FOR LABORATORY USE ONLY)

**CHEMICAL ANALYSIS**

Laboratory No. \_\_\_\_\_ **KEY PUNCHED** Date Received 5-26-76 Date Reported \_\_\_\_\_

	MG/L	ME/L	MG/L	ME/L
Silica . . . 00955 . . .				
Calcium . . . 00910 . . .	103			
Magnesium . . . 00920 . . .	20			
Sodium . . . 00929 . . .	9			
Total				
<input type="checkbox"/> Potassium . . . 00937 . . .				
<input checked="" type="checkbox"/> Manganese . . . 01055 . . .	20.05	%Na _____		
<input type="checkbox"/> Boron . . . 01022 . . .		SAR _____		
<input type="checkbox"/> Total Iron . . . 01045 . . .	40.02	RSC _____		
<input type="checkbox"/> Other _____	MG/L			
Specific Conductance (micromhos/cm <sup>3</sup> ) 00095 _____				
Diluted Conductance (micromhos/cm <sup>3</sup> ): _____				
x _____	725			
<input type="checkbox"/> ** items will be analyzed if checked.				
<p><sup>1</sup> The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.</p> <p><sup>2</sup> Nitrogen cycle requires separate sample.</p> <p><sup>3</sup> Total Iron and Manganese require separate sample.</p>				
Carbonate . . . 00445 . . .			0	
Bicarbonate . . . 00440 . . .			340	
Sulfate . . . 00945 . . .			11	
Chloride . . . 00940 . . .			40	
Fluoride . . . 00951 . . .			0.4	
Nitrate . . . 71850 . . .			10.00	
pH . . . 00403 . . .			7.4	
Total				
<sup>1</sup> Dissolved Solids (residue at 180°C) . . . 70300 . . .			530	
Phenolphthalein Alkalinity as CaCO <sub>3</sub> . . . 00415 . . .			0	
Total Alkalinity as CaCO <sub>3</sub> . . . 00410 . . .			279	
Total Hardness as CaCO <sub>3</sub> . . . 00900 . . .			339	
Ammonia - N . . . <sup>2</sup> Nitrogen Cycle . . . 00610 . . .				
Nitrite - N . . . . . 00615 . . .				
Nitrate - N . . . . . 00620 . . .				
Organic Nitrogen . . . . . 00605 . . .				
Analyst _____	Checked By _____			



Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas State Department of Health Laboratories  
1100 West 45th Street  
Austin, Texas 78756

TWDGE-GW ONLY	
Program No.	6106-50
Proj. No.	SDE-77227

CHEMICAL WATER ANALYSIS REPORT

Send report to:  
Ground Water Data and Protection Division  
Texas Water Development Board  
P.O. Box 13087  
Austin, Texas 78711

County 015 Bexar  
State Well No. 6819303  
Field          Well No. 1  
Date Collected 040577

Location S. of Dietz Eikhorn Rd., 3.2 mi. E of IH 10 & 0.2 mi. W. of Ralph Fair Rd. By R. W. Morris

Source (type of well) Deepened Owner Ralph E. Fair, Jr.

Date Drilled 1975 Depth 555 ft. WBF         

Producing intervals ? Water level 220 ft.

Sampled after pumping          hrs. Yield          GPM          Temperature          °F          °C

Point of collection Faucet at wellhead Appearance  clear  turbid  colored  other

Use P Remarks         

(FOR LABORATORY USE ONLY)

328141

CHEMICAL ANALYSIS APR 14 1977

KEY PUNCHED

Laboratory No.          Date Received          Date Reported         

	MG/L				ME/L			
Silica				11				
Calcium				89		4		45
Magnesium				21		1		69
Sodium				10		0		42
				Total		6		56
<input type="checkbox"/> Potassium								%Na <u>        </u>
<input type="checkbox"/> Manganese								SAR <u>        </u>
<input type="checkbox"/> Boron								RSC <u>        </u>
<input checked="" type="checkbox"/> Total Iron								
<input type="checkbox"/> (other)								

	MG/L				ME/L			
Carbonate				0				
<sup>166</sup> Bicarbonate				337		5		52
Sulfate				17		0		35
Chloride				20		0		57
Fluoride				0.4				
Nitrate				8		0		13
pH				7.6				Total
<sup>3</sup> Dissolved Solids (sum in MG/L)				Total		6		57

Specific Conductance (micromhos/cm<sup>3</sup>) 586  
Diluted Conductance (micromhos/cm<sup>3</sup>) 5 x 130  
650

Phenolphthalein Alkalinity as CaCO <sub>3</sub>				0
Total Alkalinity as CaCO <sub>3</sub> (5.52)				276
Total Hardness as CaCO <sub>3</sub> (6.14)				307
Ammonia - N <sup>2</sup> Nitrogen Cycle				
Nitrite - N				
Nitrate - N				
Organic Nitrogen				

<sup>1</sup> The bicarbonate reported in this analysis is converted by computation (multiplying by 0.6017) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.  
<sup>2</sup> Nitrogen cycle requires separate sample.  
<sup>3</sup> Total iron requires separate sample.

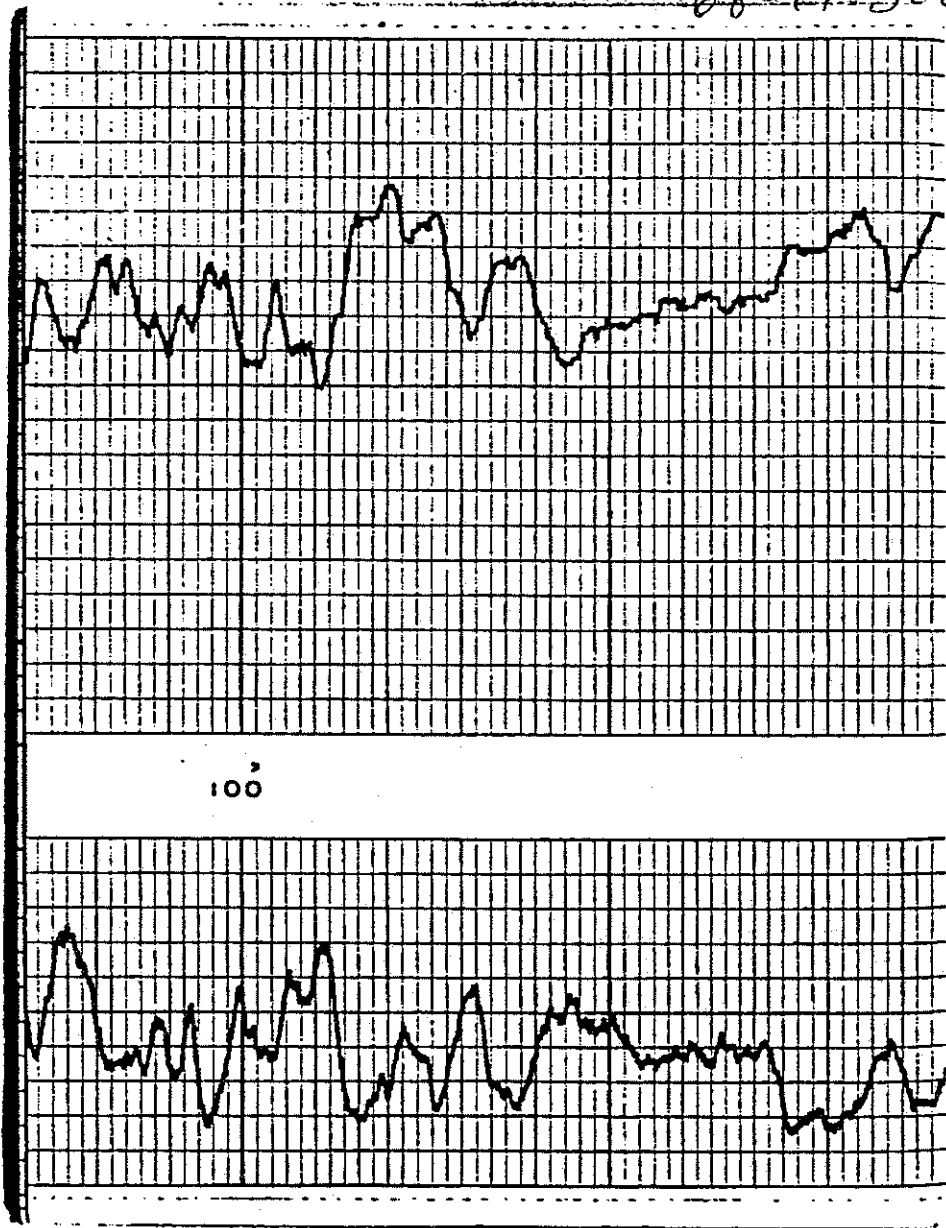
Analyst          Checked By

#2  
K- 68-19-3023

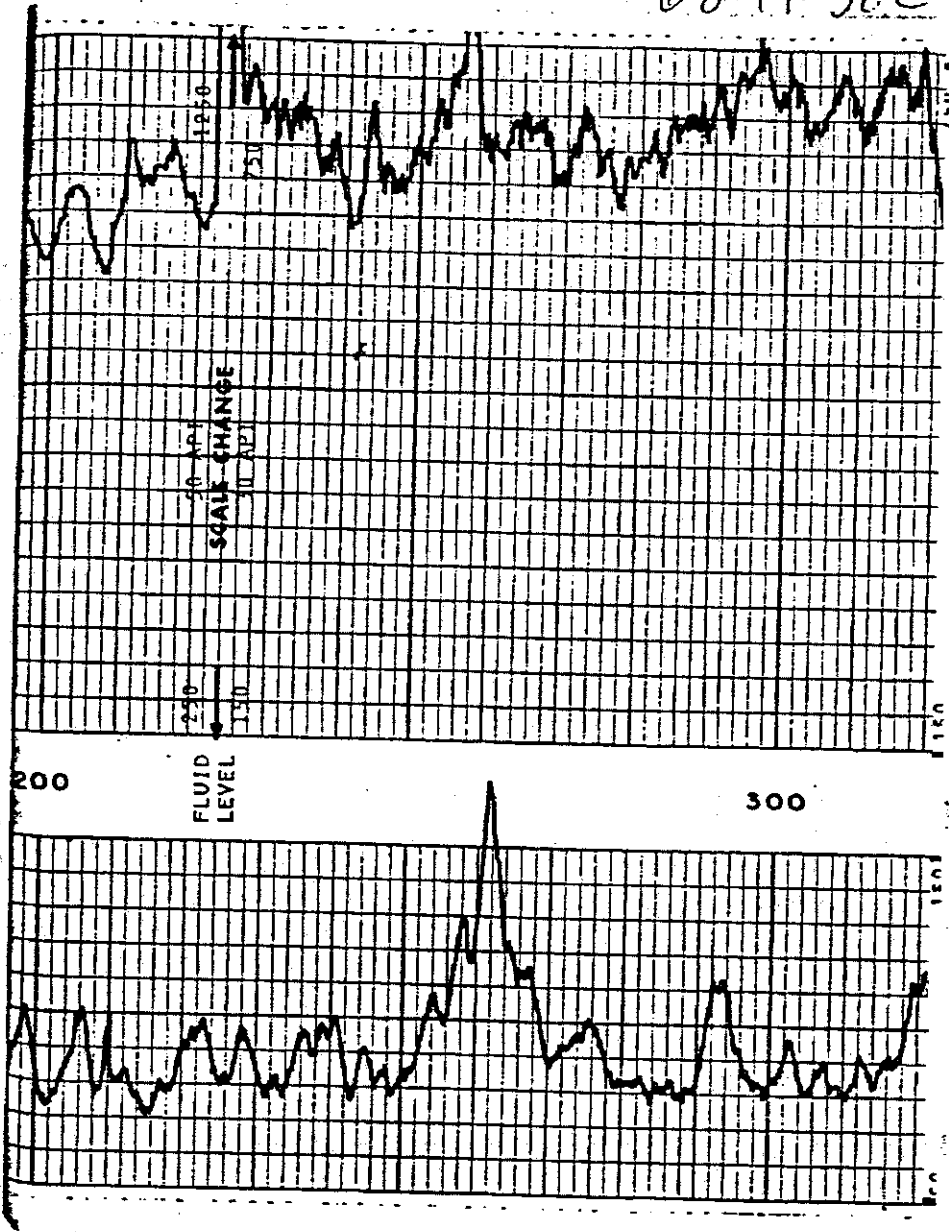
<b>Dresser Atlas</b>		<i>Gamma Ray Neutron</i>					
FILE NO.	COMPANY <u>RALPH E. FAIR</u>						
	WELL <u>NEAREST WELL TO DAIRY BARN</u>						
	FIELD <u>FAIR RANCH</u>						
	COUNTY <u>BEXAR</u>	STATE <u>TEXAS</u>					
	LOCATION:		Other Services				
	SEC _____	TWP _____	RGE _____				
Permanent Datum _____	G. L. _____	Elev. <u>--</u>	KB <u>--</u>				
Log Measured from _____	G. L. _____	<u>-0-</u> Ft. Above Permanent Datum	DF <u>--</u>				
Drilling Measured from _____	G. L. _____		GL <u>--</u>				
Date	<u>1-9-75</u>						
Run No.	<u>ONE</u>						
Type Log	<u>GRN</u>						
Depth-Driller	<u>555</u>						
Depth-Logger	<u>552</u>						
Bottom Logged Interval	<u>551</u>						
Top Logged Interval	<u>SURFACE</u>						
Type Fluid in Hole	<u>WATER</u>						
Salinity Ppm Cl.	<u>FRESH</u>						
pH and Fluid Loss	<u>--</u>	<u>--</u> cc	<u>cc</u>				
Density Lb./Gal.	<u>--</u>						
Level	<u>226</u>						
Max. Rec. Temp. Deg. F	<u>--</u>						
Opr. Rig Time	<u>1.5 HRS.</u>						
Recorded By	<u>BINGHAM</u>						
Witnessed By	<u>DOVE</u>						
Run No.	Bore Hole Record		Casing Record				
No.	Bit	From	To	Size	Wgt.	From	To
<u>1</u>	<u>6"</u>	<u>SURF.</u>	<u>555</u>	<u>6-5/8"</u>	<u>--</u>	<u>SURF.</u>	<u>30</u>
				<u>OPEN HOLE</u>		<u>30</u>	<u>555</u>



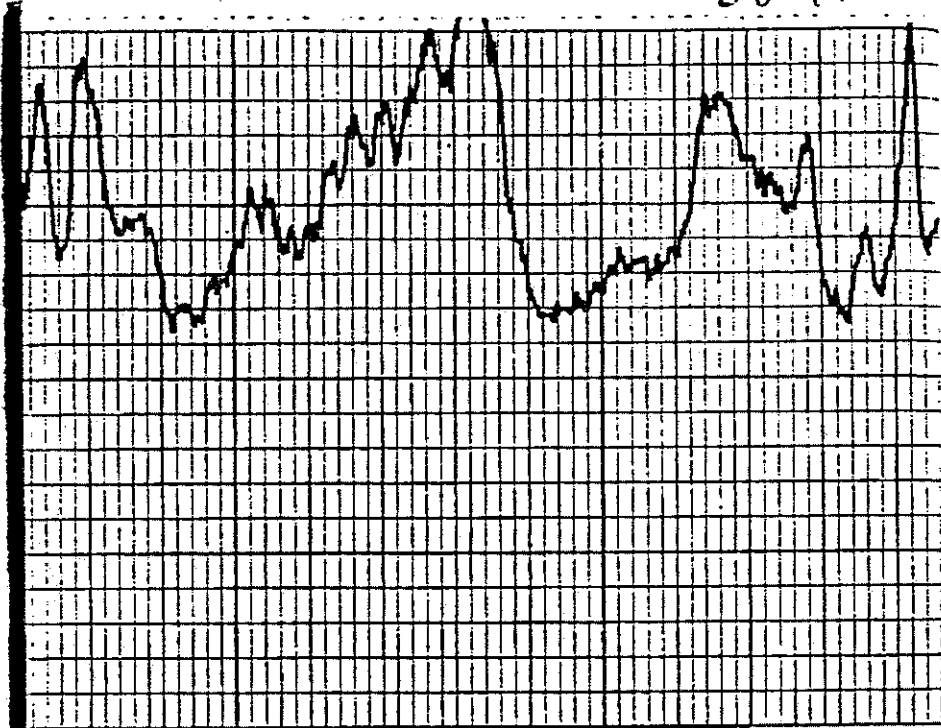
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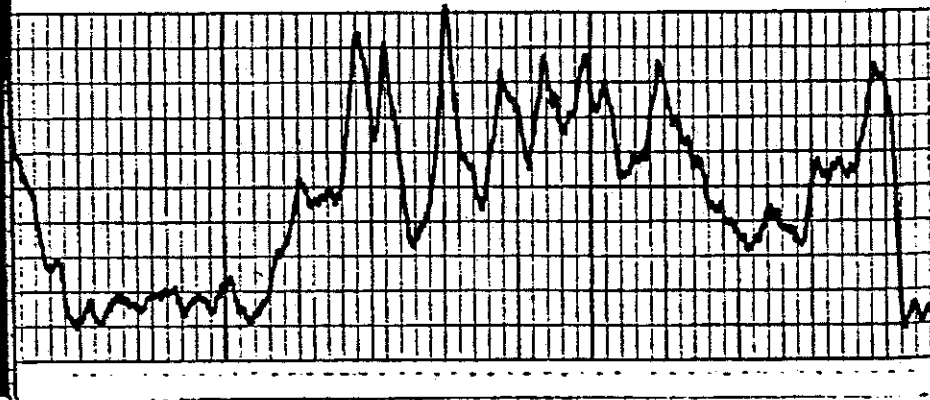
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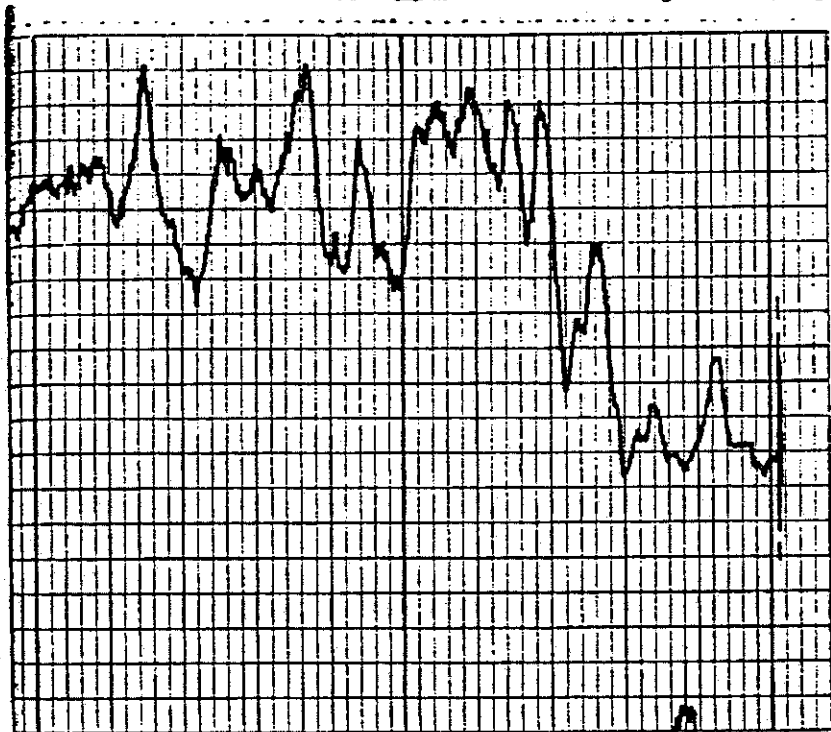
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400

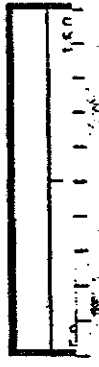
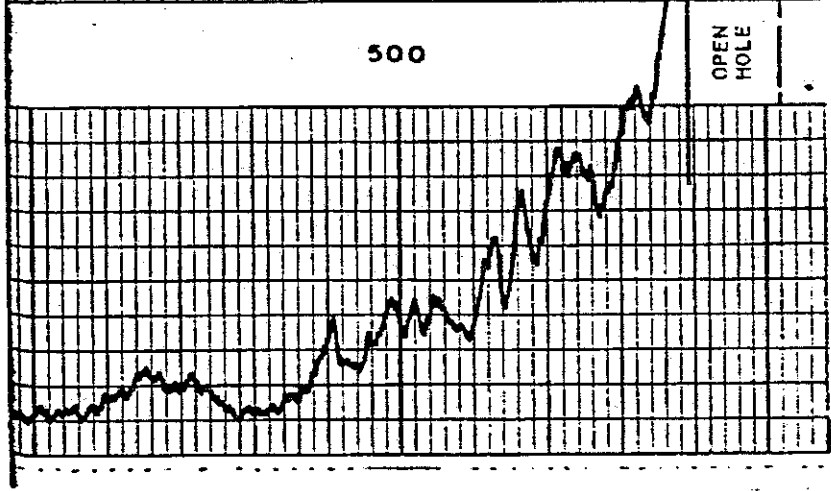


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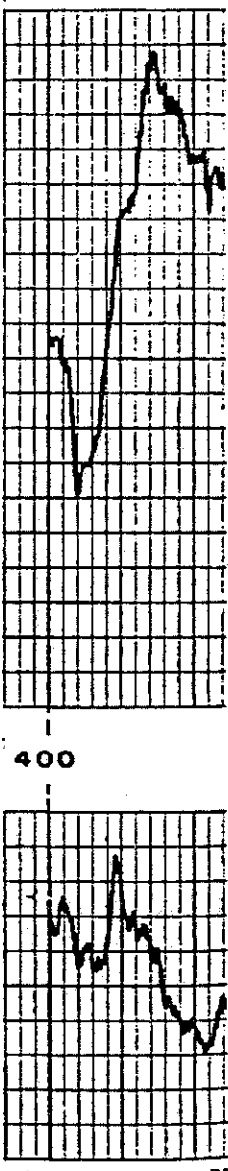
OPEN HOLE



68-19-302

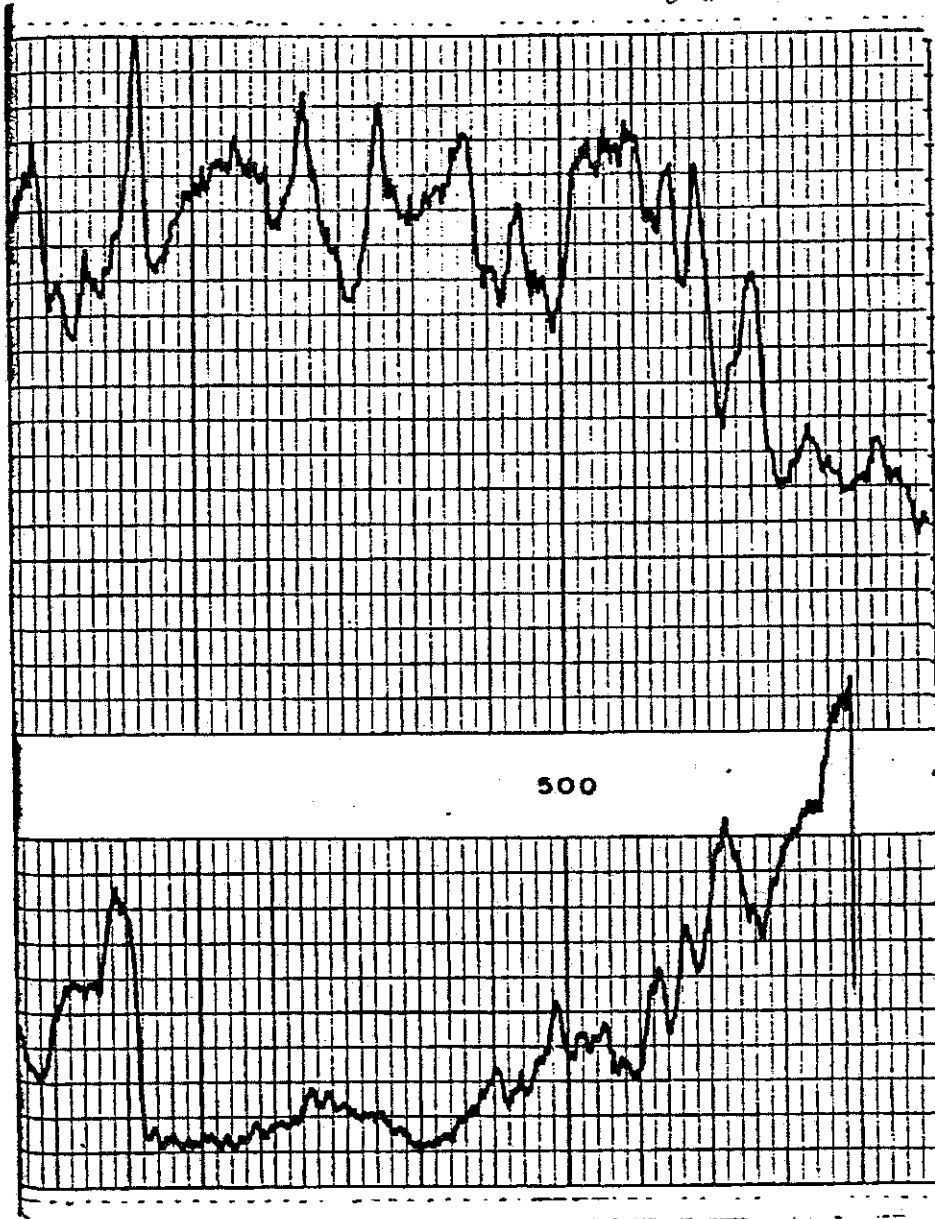
10 API	30 API
↑ RADIATION INTENSITY INCREASES	↑ RADIATION INTENSITY INCREASES
GAMMA RAY API UNITS	NEUTRON API UNITS
DEPTH	
Company RALPH E. FAIR	Drillers T.D. 555'
Well NEAREST WELL TO DAIRY BARN	Log F.R. 551'
Field FAIR RANC 1	Log T.D. 552'
County BEXAR	Elevations:
State TEXAS	K.B. -- D.F. -- G.L. --

**REPEAT SECTION**

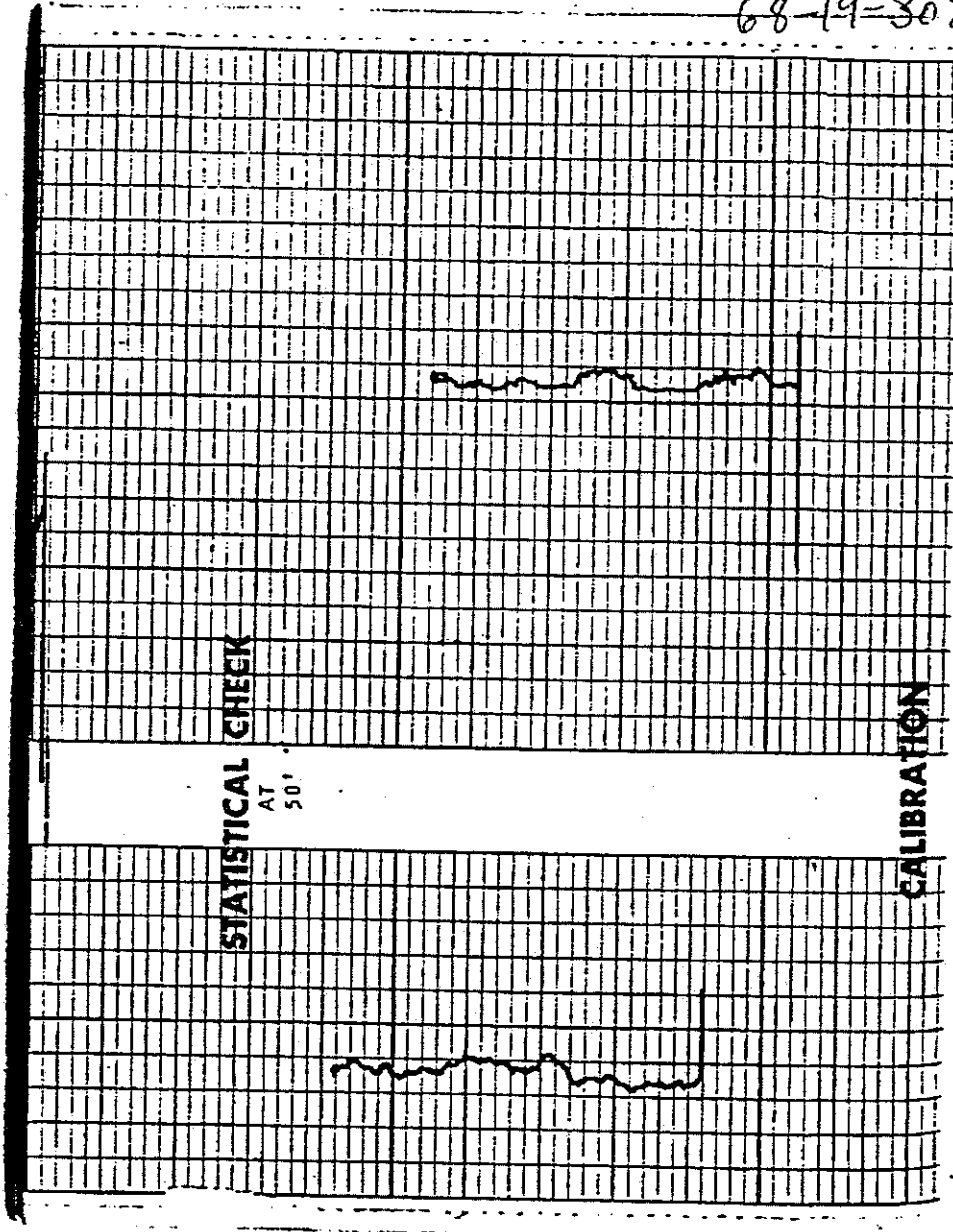




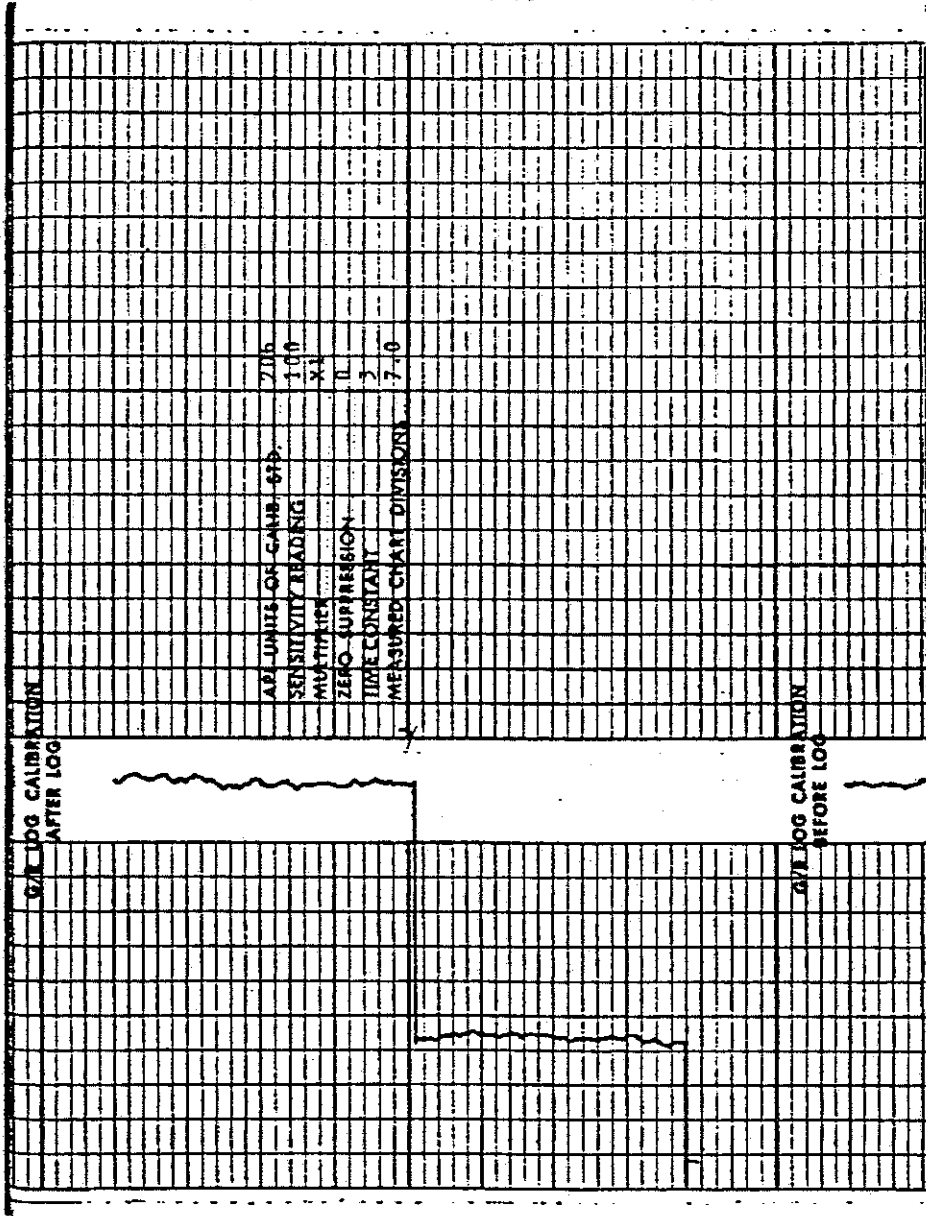
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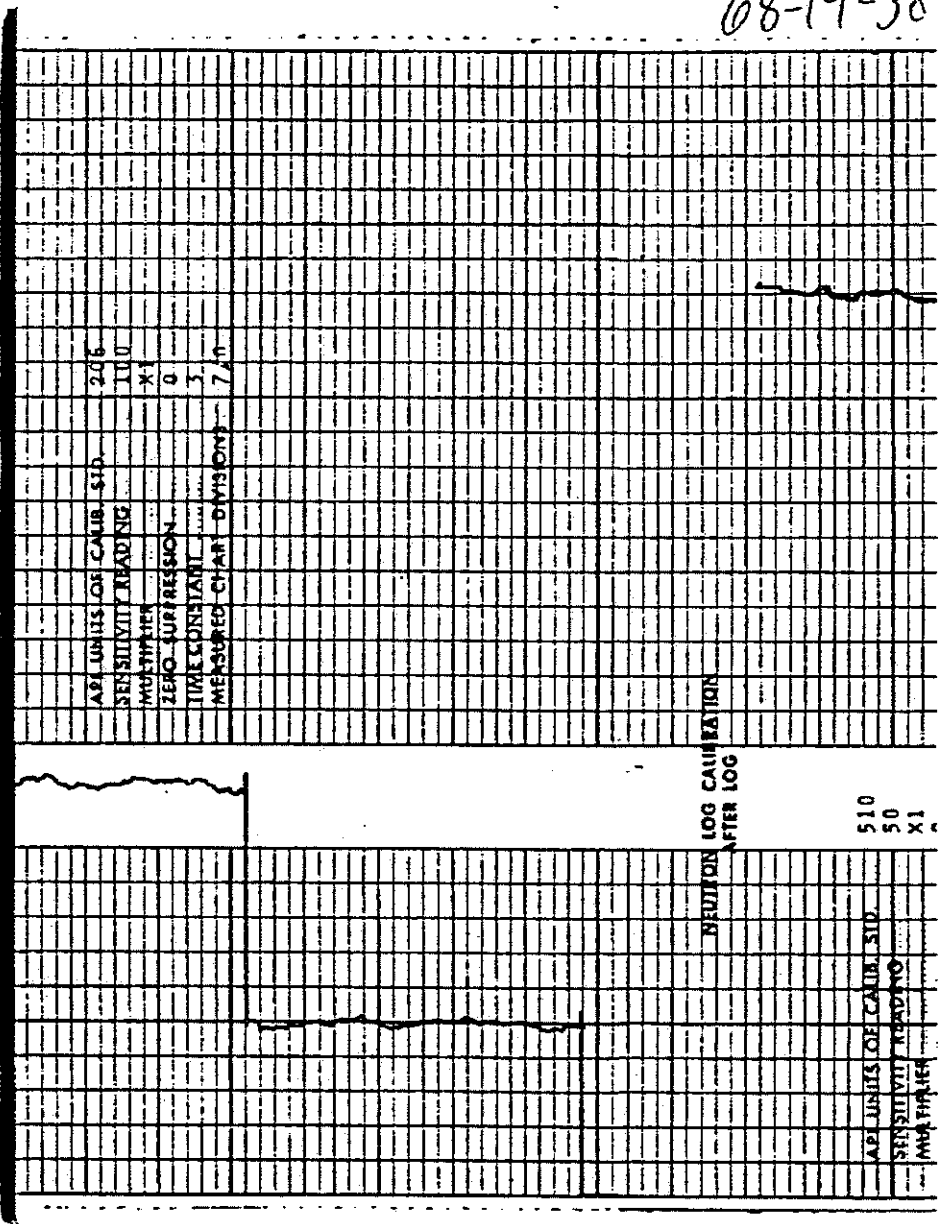
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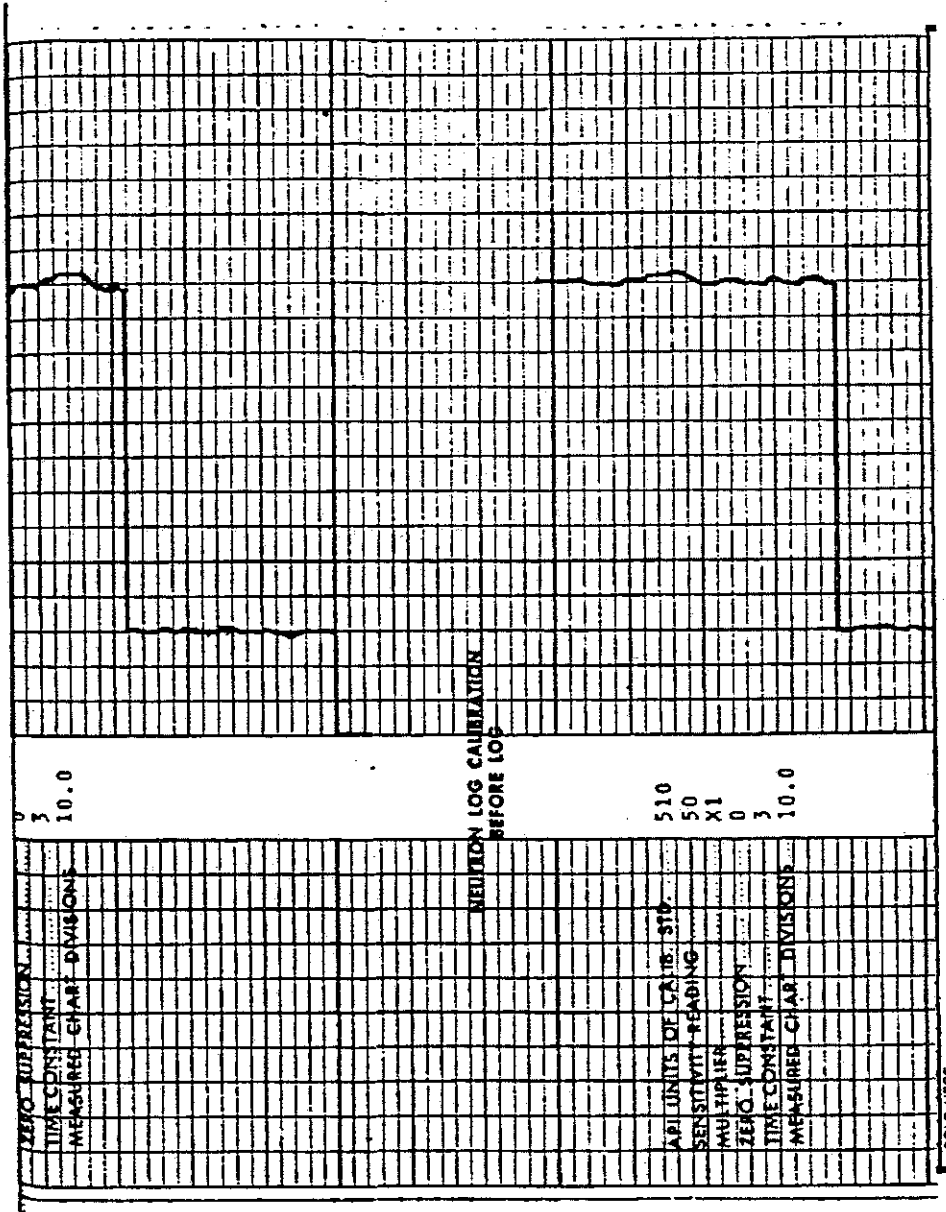
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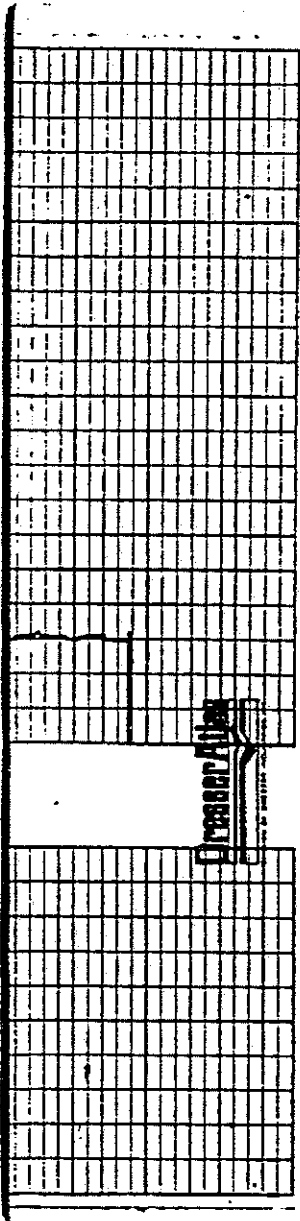
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68-19-302



68-19-302



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-7

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-103
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	28833 Ralph Fair Road
<i>Location/Subdivision:</i>	Fair Oaks

<i>Latitude (UTM):</i>	3288321
<i>Longitude (UTM):</i>	536387
<i>Elevation (Feet MSL):</i>	1314

### WELL COMPLETION DATA

<i>Date Drilled:</i>	11-Jan-78
<i>Well Depth (feet bgs):</i>	525
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	290
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	441

<i>Well Yield (gpm):</i>	115
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	270 11-Jan-78
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

### OTHER NOTES

Depth to Cow Creek is 423'.





WELL LOG

Date January 16, 1978

**HASKIN PUMP SERVICE, INC.**

15403 Capital Port  
San Antonio, Texas #7  
492-2141 78249

Name Fairbake Subdivision

Location off Ralph Fair Road in North Bexar County

Total Depth 525' Well Capacity \_\_\_\_\_

Total Pipe 390' - 2-5/8" Steel Date Started 12-30-77

Drilling Time 14 days Date Completed 1-11-78

Kind of Formation Glen Rose Lime and  
Cov Creek Water Level 270'

0	-	1	Holl and Loose Rock
1	-	5	Ledgestone
5	-	21	Gave and Caliche
21	-	105	Blue Gray Lime (Glen Rose Lime)
105	-	122	Hard Yellow Lime
122	-	163	Hard Gray Lime
163	-	250	Hard Yellow Lime
250	-	255	Hard Gray Lime
255	-	265	Hard Yellow Lime
265	-	275	Hard Dark Gray Lime
275	-	300	Brown Lime
300	-	310	Blue Gray Lime
310	-	365	Light Yellow Lime
365	-	430	Blue Gray Lime (Pine Island Shale)
430	-	450	Hard White Lime
450	-	515	Hard Gray Lime
515	-	525	Gray Lime and Shale

3' Gave at 275'  
Water at 275'

Well was cemented by Halliburton Company 3-6-78  
175 Sacks of Trinity Light Weight Lite Mate #7M)

Send original copy by certified mail to the Texas Water Development Board P. O. Box 13087 Austin, Texas 78711

State of Texas

For TWDB use only  
Well No. LP-3-311  
Located on map 20  
Received: 77

#1 WATER WELL REPORT

1) OWNER:  
Person having well drilled Jaworski S/D Address Route 2, Box 85  
(Name) (Street or RFD) (City) (State)  
Landowner Jane Address Baerle, Texas 78006  
(Name) (Street or RFD) (City) (State)

2) LOCATION OF WELL:  
County BEXAR 22 miles in NW direction from SAN ANTONIO  
(N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks, highway number, etc.\*  
Give legal location with distances and directions from adjacent sections or survey lines.  
Labor \_\_\_\_\_ League \_\_\_\_\_  
Block \_\_\_\_\_ Survey \_\_\_\_\_  
Abstract No. \_\_\_\_\_  
(SW $\frac{1}{4}$  NE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section \_\_\_\_\_

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging

4) PROPOSED USE (Check):  
 Domestic  Industrial  Municipal  Irrigation  Test Well  Other

5) TYPE OF WELL (Check):  
 Rotary  Driven  Jetted  Bored  Cable

6) WELL LOG:  
Diameter of hole 12" in. Depth drilled 525 ft. Depth of completed well 525 ft. Date drilled 1-11-78  
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	1	Soil and loose rock
1	5	Substrate
5	21	Dark and calcareous
21	105	Blue gray lime - blue
105	122	Hard yellow lime
122	163	Hard gray lime
163	250	Hard yellow lime
250	255	Hard gray lime
255	265	Hard yellow lime
265	275	Hard dark gray lime
275	300	Green lime
300	310	Blue gray lime
310	345	Dark yellow lime
345	430	Blue gray lime - Pink
430	450	Hard white lime
450	515	Hard gray lime
515	525	Gray lime and shell

9) CASING:  
Type: Old  New  Steel  Plastic  Other   
Cemented from 290 ft. to 0 ft.  
W. MACAUBURTON CO. 6-1/2" 175' SACK  
Diameter (inches) 6-5/8" Setting From (ft.) 0 To (ft.) 290 Gate 32"

10) SCREEN:  
Type none  
Perforated  Slotted   
Diameter (inches) \_\_\_\_\_ Setting From (ft.) \_\_\_\_\_ To (ft.) \_\_\_\_\_ Slot Size \_\_\_\_\_

7) COMPLETION (Check):  
Straight wall  Gravel packed  Other   
Under reamed  Open Hole

8) WATER LEVEL:  
Static level 270 ft. below land surface Date 1-11-78  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft. below land surface. 1.50

11) WELL TESTS:  
Was a pump test made? Yes  No  If yes, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Bailer test \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ gpm  
Temperature of water \_\_\_\_\_

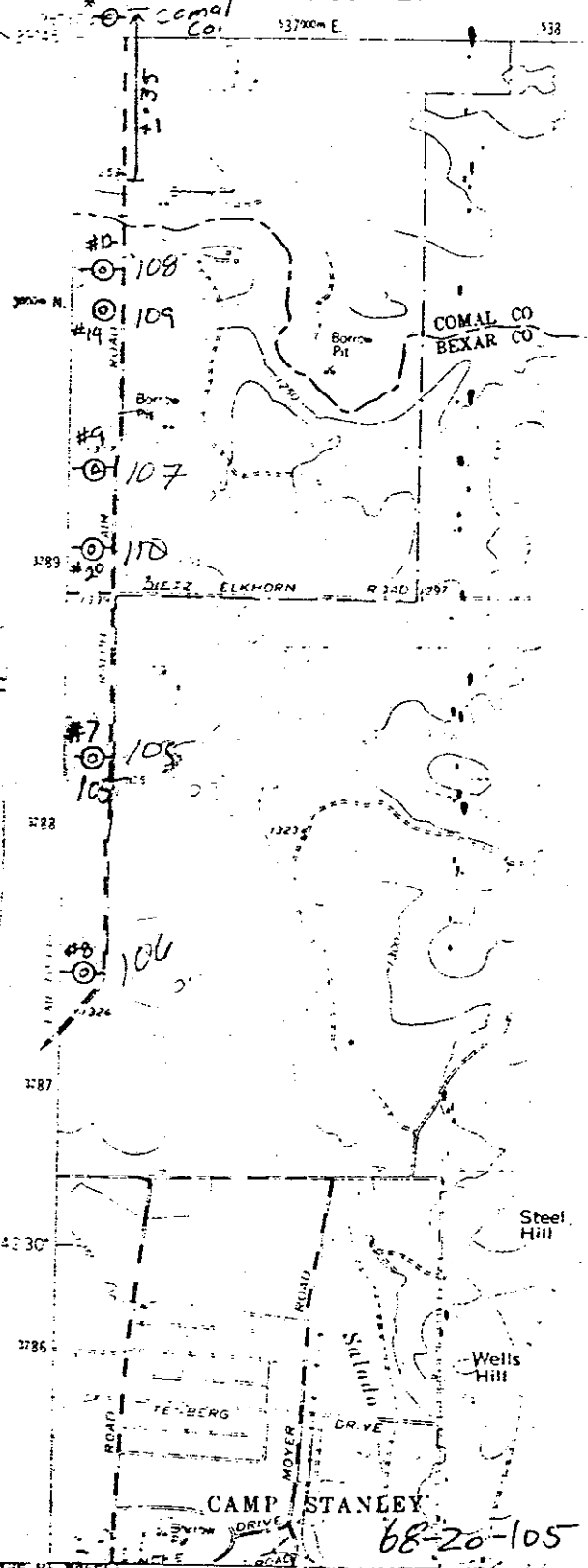
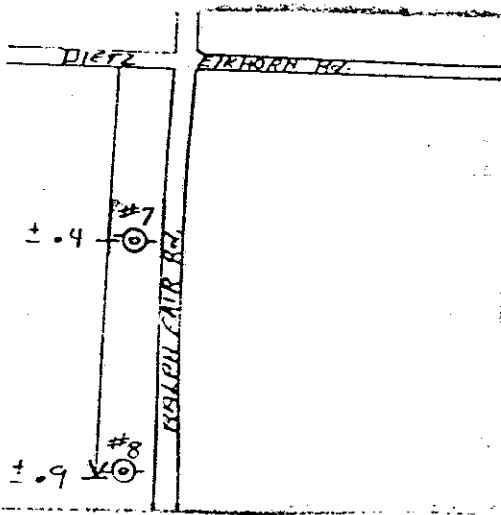
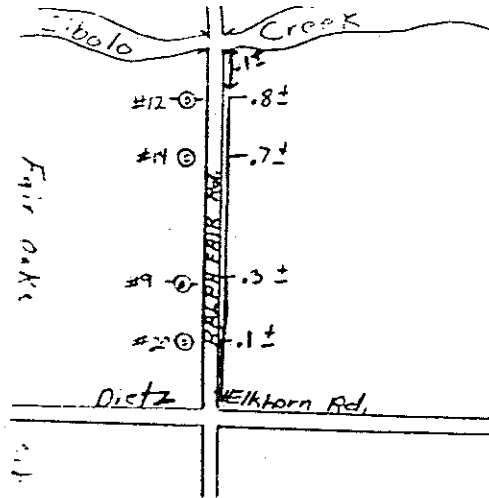
12) WATER QUALITY:  
Was a chemical analysis made? Yes  No   
Did any strata contain undesirable water? Yes  No   
Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.  
NAME GLEN H. NASKIN Water Well Drillers Registration No. 935  
(Type or Print)  
ADDRESS 15403 CAPITAL PORT, SAN ANTONIO, TEXAS 78249  
(Street or RFD) (City) (State)  
(Signed) Glen H. Naskin NASKIN PUMP SERVICE, INC  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

\*Additional instructions on reverse side.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME GLEN H. HASKIN Water Well Drillers Registration No. 935  
(Type or Print)

ADDRESS 1540 3 CAPITAL PORT, SAN ANTONIO, TEXAS 78249  
(Street or RFD) (City) (State)

(Signed) Glen H. Haskin HASKIN PUMP SERVICE, INC  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

\*Additional instructions on reverse side.

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-8

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-104
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	28329 Ralph Fair Road
<i>Location/Subdivision:</i>	Fair Oaks

<i>Latitude (UTM):</i>	3287621
<i>Longitude (UTM):</i>	536366
<i>Elevation (Feet MSL):</i>	1323

## WELL COMPLETION DATA

<i>Date Drilled:</i>	04-Apr-78
<i>Well Depth (feet bgs):</i>	525
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	310
<i>Well Diameter (inches):</i>	7-5/8
<i>Pump Depth (feet bgs):</i>	462

<i>Well Yield (gpm):</i>	85
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	290 04-Apr-78
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

## OTHER NOTES

Depth to Cow Creek is 447'.

Original copy by  
mailed mail to the  
Texas Water Development Board  
P. O. Box 13087  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

For TWDB use only  
Well No. 67-19-3H  
Located on map 42  
Received: 28  
1/2

1) OWNER:  
Person having well drilled FAIR OAKS SUBDIV Address RT 1 BOERNE TEXAS  
(Name) (Street or RFD) (City) (State)  
Landowner RALPH FAIR Address \_\_\_\_\_ (City) (State)  
(Name) (Street or RFD)

2) LOCATION OF WELL:  
County BEXAR 4 1/2 miles in N direction from LEAN SPRINGS  
(Town)

Locate by sketch map showing landmarks, roads, creeks,  
highway number, etc.\*  
  
#6  
North  
↑  
(Use reverse side if necessary)

Give legal location with distances and directions from  
adjacent sections or survey lines.  
Labor \_\_\_\_\_ League \_\_\_\_\_  
Block LOT 24 Survey \_\_\_\_\_  
Abstract No. FAIR OAKS SUBDIV  
(NW 1/4 NE 1/4 SW 1/4 SE 1/4) of Section WELL # 8

3) TYPE OF WORK (Check):  
New Well  Deepening \_\_\_\_\_  
Reconditioning \_\_\_\_\_ Plugging \_\_\_\_\_  
4) PROPOSED USE (Check):  
Domestic \_\_\_\_\_ Industrial \_\_\_\_\_ Municipal  
Irrigation \_\_\_\_\_ Test Well \_\_\_\_\_ Other \_\_\_\_\_  
5) TYPE OF WELL (Check):  
Rotary Driven \_\_\_\_\_ Dug \_\_\_\_\_  
Cable \_\_\_\_\_ Jetted \_\_\_\_\_ Bored \_\_\_\_\_

6) WELL LOG:  
Diameter of hole 12 1/2 in. Depth drilled 525 ft. Depth of completed well 525 ft. Date drilled 4-4-78  
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	-38	CALICHE & SHALE
38	-214	BLUE & GREY ROCK w/ shale
214	-225	yellow & white rock
225	-279	blue & grey rock
279	-296	porous yellow rock
296	-337	blue & grey rock
337	-391	light yellow rock
391	-446	blue rock & shale
446	-495	white rock - porous strata
495	-523	brownish rock
523	-525	blue shale

9) Casing:  
Type: Old \_\_\_\_\_ New  Steel  Plastic \_\_\_\_\_ Other \_\_\_\_\_  
Cemented from 0 ft. to 310 ft.  
Diameter (inches) \_\_\_\_\_ Setting From (ft.) \_\_\_\_\_ To (ft.) \_\_\_\_\_ Gage \_\_\_\_\_  
12 ID 0 310 SCH 40

PRESSURE CEMENTED - HALLIBURTON  
10) SCREEN:  
Type NONE  
Perforated \_\_\_\_\_ Slotted \_\_\_\_\_  
Diameter (inches) \_\_\_\_\_ Setting From (ft.) \_\_\_\_\_ To (ft.) \_\_\_\_\_ Slot Size \_\_\_\_\_

7) COMPLETION (Check):  
Straight wall  Gravel packed \_\_\_\_\_ Other \_\_\_\_\_  
Under reamed \_\_\_\_\_ Open Hole

11) WELL TESTS:  
Was a pump test made? Yes \_\_\_\_\_ No  If yes, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Bailer test \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ gpm  
Temperature of water \_\_\_\_\_

8) WATER LEVEL:  
Static level 290 ft. below land surface Date 4-4-78  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.  
below land surface.

12) WATER QUALITY:  
Was a chemical analysis made? Yes \_\_\_\_\_ No   
Did any strata contain undesirable water? Yes \_\_\_\_\_ No   
Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.  
NAME WALTER BERGMANN Water Well Drillers Registration No. 282  
(Type or Print)  
ADDRESS P.O. DRAWER BOERNE TEXAS  
(Street or RFD) (City) (State)  
(Signed) Walter Bergmann LOUIS BERGMANN & SONS INC.  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
\*Additional instructions on reverse side.  
REC...  
JAN 25 1979

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

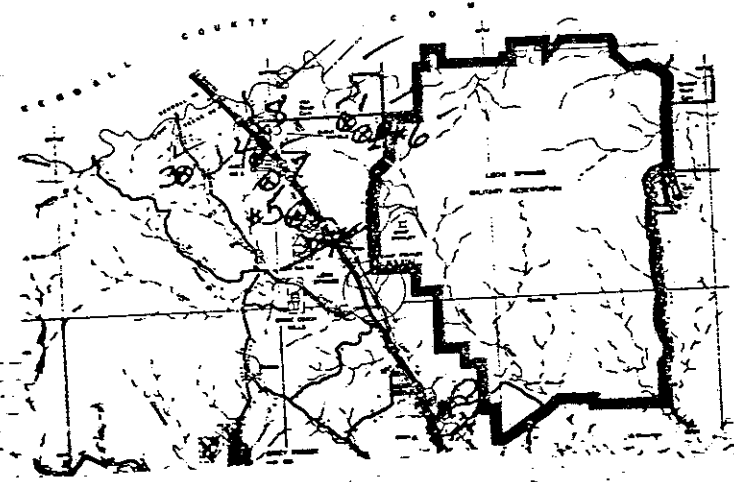
When giving a legal description include a sketch showing location of the well within the described area. e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

23 MAR 1953

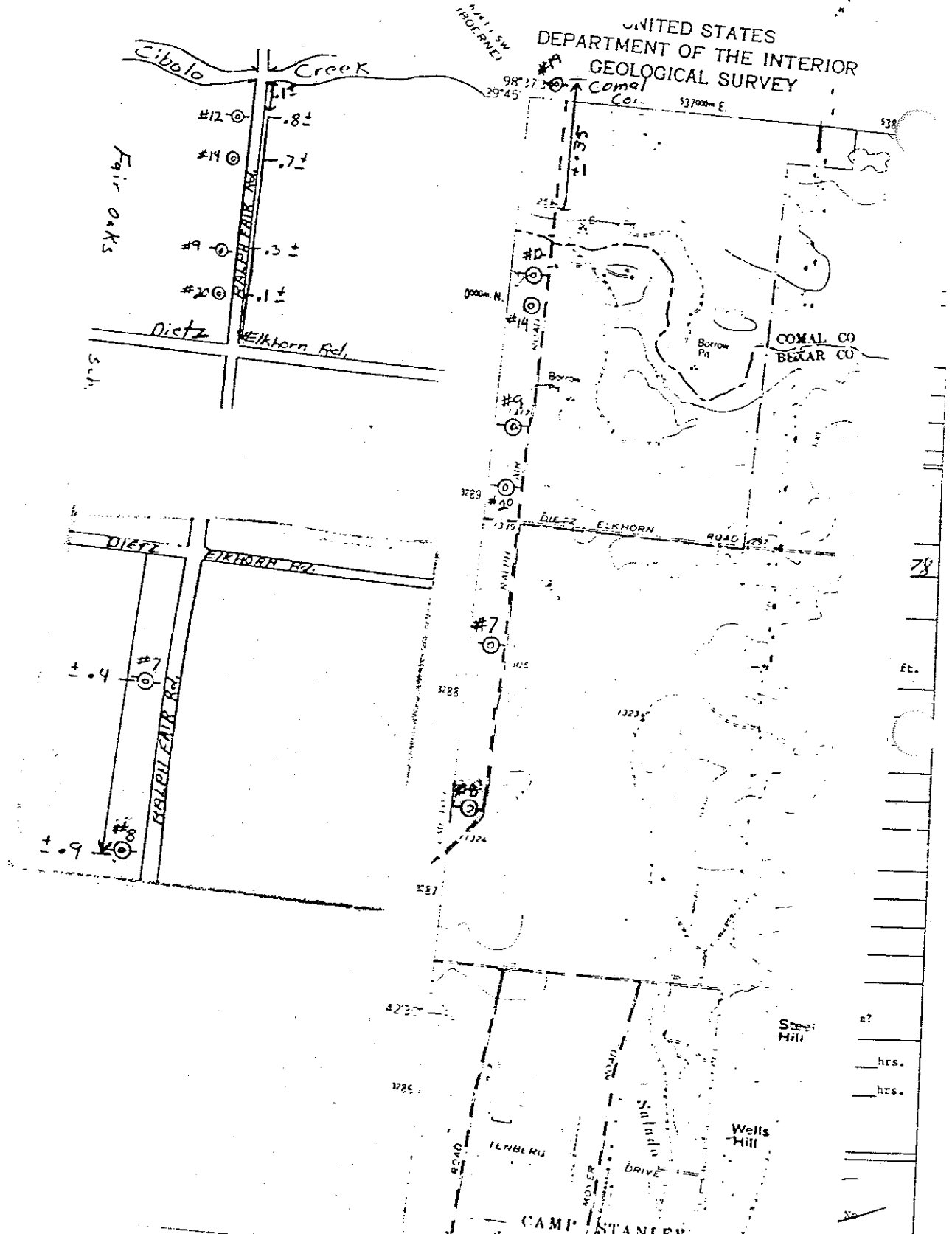
#5 TO 1

- #1 - Fair Oaks Ranch - Subdiv. Lot 39 Well #5  
Lot 80 Well #6
- #2 - ✓ ✓ ✓
- #3 - Doug Whiting - J. Sneed Est.
- #4 - Bill Harris - J. Fasse
- #5 - Bill Price - Lou Roney
- #6 - Fair Oaks Ranch - Lot 24 Well #8
- #7 - Pat Lincoln - Trailwood Subdiv.
- #8 - Mrs Westworth



SECTION 30

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



I hereby certify that this well was drilled by Walter Bergmann and each and all of the statements herein are true to the best of my knowledge and belief.

NAME WALTER BERGMANN  
(Type or Print)

Water Well Drillers Registration No. 282

ADDRESS P.O. DRAWER  
(Street or RFD)

BOERNE TEXAS  
(City) (State)

(Signed) Walter Bergmann  
(Water Well Driller)

LOUIS BERGMANN & SONS INC  
(Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

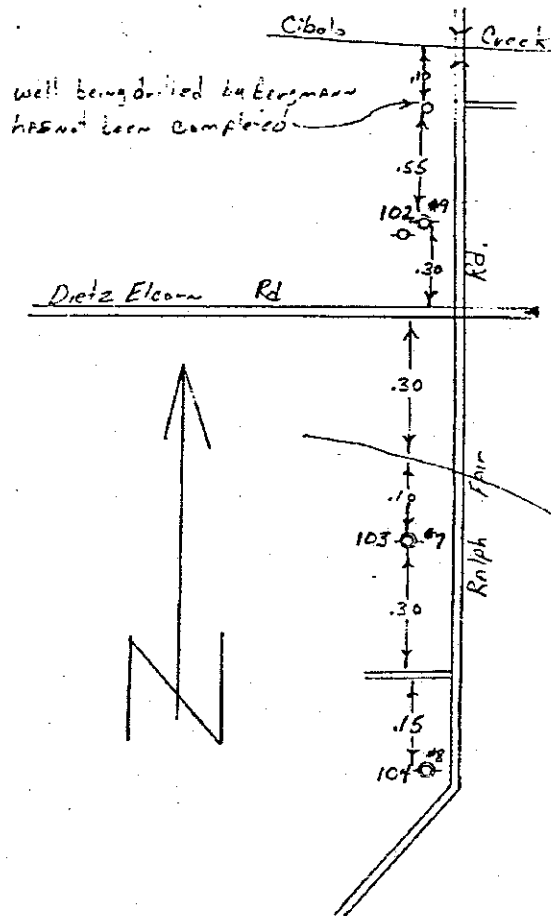
\*Additional instructions on reverse side.

JAN 24 1979





- 0-17 Calache & white rock
- 17-38 Blue shale
- 38-66 Grey rock
- 66-69 Grey yellow rock
- 69-80 Light blue rock & shale
- 80-92 yellow rock
- 92-118 light blue shale & rock
- 118-129 porous light yellow rock (some water)
- 129-137 Grey blue rock & shale
- 137-141 Grey brown rock
- 141-152 yellow grey rock
- 152-197 light blue grey rock
- 197-214 light yellow grey rock
- 214-222 yellow rock
- 222-235 grey white rock
- 235-250 light grey blue rock
- 250-255 light blue rock & shale
- 255-270 grey white rock some yellow porous
- 270-279 light blue shale & rock
- 279-296 porous yellow white rock (water)
- 296-300 grey shale
- 300-306 grey white rock (sulphur odor)
- 306-312 light grey blue shale
- 312-324 Grey rock porous & soft
- 324-330 grey blue shale & rock
- 330-334 blue shale
- 334-337 porous dark yellow rock
- 337-391 light yellow rock
- 391-402 porous grey blue rock
- 402-422 blue rock & shale
- 422-435 dark blue rock shells & white crystals
- 435-446 blue rock
- 446-448 blue & green shale
- 448-495 porous white rock
- 495-520 porous light brown rock
- 520-523 brown rock
- 523-525 blue shale



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-20

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-110
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	29435 Ralph Fair Road
<i>Location/Subdivision:</i>	Fair Oaks

<i>Latitude (UTM):</i>	3289244
<i>Longitude (UTM):</i>	536379
<i>Elevation (Feet MSL):</i>	1327

### WELL COMPLETION DATA

<i>Date Drilled:</i>	03-Dec-84
<i>Well Depth (feet bgs):</i>	435
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	None

<i>Well Yield (gpm):</i>	109
<i>Water Supply Type:</i>	Unused
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	256 13-Aug-87
<i>Production Zone(s):</i>	Glen Rose/Hensell/Cow Creek*

### OTHER NOTES

Borehole originally drilled to 780' and was a dry hole. The well was plugged back to 435' and dynamited to fracture bedrock. Depth to Cow Creek is 416'. No pump is installed in well, and is currently used for water level observation only.

Please use black ink.  
Send original copy by  
certified mail to the  
Texas Department of Water Resources  
P. O. Box 13087  
Austin, Texas 78711

STATE OF TEXAS  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Fair Oaks Ranch #20 (Name) Address Rt. 4 Box 4495 Boerne, TX 78006  
 2) LOCATION OF WELL: 6.2 (Street or RFD) (City) (State) (Zip)  
 County BEXAR 325 yards XXXX N direction from Dietz Elkorn Road  
 (N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Section Texas County General Highway Map and attach the map to this form.  
 Legal description: Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
 Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
 Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
 See attached map. Map # 6-19-251

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging  
 Domestic  Industrial  Public Supply  Irrigation  Test Well  Other  
 Mud Rotary  Air Hammer  Driven  Bored  
 Air Rotary  Cable Tool  Jetted  Other

6) WELL LOG:  
 Date drilled 11-3-1984  
 DIAMETER OF HOLE:  
 Dia. (in.) From (ft.) To (ft.)  

12	Surface	539
8	539	780

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Undersreamed  
 Gravel Packed  Other \_\_\_\_\_  
 If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material
		SEE ATTACHED

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Cage Casing Screen
			From	To	
8 5/8	N	steel	0	539	

9) CEMENTING DATA [Rule 319.44(b)]  
 Cemented from Surface ft. to 539 ft.  
 Method used pressure  
 Cemented by Halliburton Services

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(d)]  
 Pileless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
 Static level \_\_\_\_\_ ft. below land surface Date \_\_\_\_\_  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
 Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

15) WATER QUALITY:  
 Did you knowingly penetrate any strata which contained undesirable water? -  Yes  No  
 If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

14) WELL TESTS:  
 Type Test:  Pump  Baler  Jetted  Estimated  
 Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Dry Hole

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Louis Bergmann & Sons Water Well Driller's License No. 1937  
 ADDRESS 135 South Pecan Boerne, TX 78006  
 (Type or Print) (Street or RFD) (City) (State) (Zip)  
 (Signed) Alan Bergmann (Licensed Well Driller) (Signed) \_\_\_\_\_ (Registered Driller Trainee)  
 Please attach electric log, chemical analysis, and other pertinent information, if available. For TOWR Well No. DR-19-3M Located on map 342 DSE

TWR 8102 (12/78/83)

DEPARTMENT OF WATER RESOURCES COPY

68-20-110

MAP #19

16-7-54  
R. Oaks #20  
Ralph Fair Rd. - 325 yds N. of Dist. Elkhorn Road

0-2 surface soil  
2-9 med hard white rock  
9-10 med hard caliche  
10-30 med soft blue shale  
30-32 med hard gray white rock  
32-40 med soft blue shale  
40-55 med hard gray white rock  
55-57 med hard blue rock  
57-70 med hard white gray rock  
70-75 med soft gray shale  
75-87 med soft yellow clay & med hard white rock layers  
87-90 med soft blue gray shale  
90-98 med hard white yellow rock  
98-121 med soft & med hard white yellow rock  
121-124 med soft blue gray shale  
124-142 med soft yellow white rock  
142-151 med soft white gray rock  
151-163 med soft yellow rock-porous lost returns  
163-180 very hard yellow rock  
180-190 med hard-no returns  
190-200 med soft  
200-235 med soft  
235-240 med hard  
240-290 med hard rock-no returns  
290-327 med soft porous & very porous rock  
327-341 med soft rock-slt. porous  
341-365 med hard very porous rock & med porous  
365-378 med hard very porous rock-WATER rock  
378-412 med soft slt. porous rock to 383-no returns-good surge @ 383 but no returns  
412-415 med soft sticky  
415-430 hard porous rock  
430-444 soft & med soft  
444-451 med hard porous rock  
451-458 soft shale?-no returns  
458-468 med soft  
468-496 med hard & med soft layers-no returns  
496-503 med hard slt porous or soft layers-no RT  
503-507 soft sticky shale-pressure up  
507-510 soft rock  
510-541 soft rock-water  
541-542 hard rock  
542-545 med hard

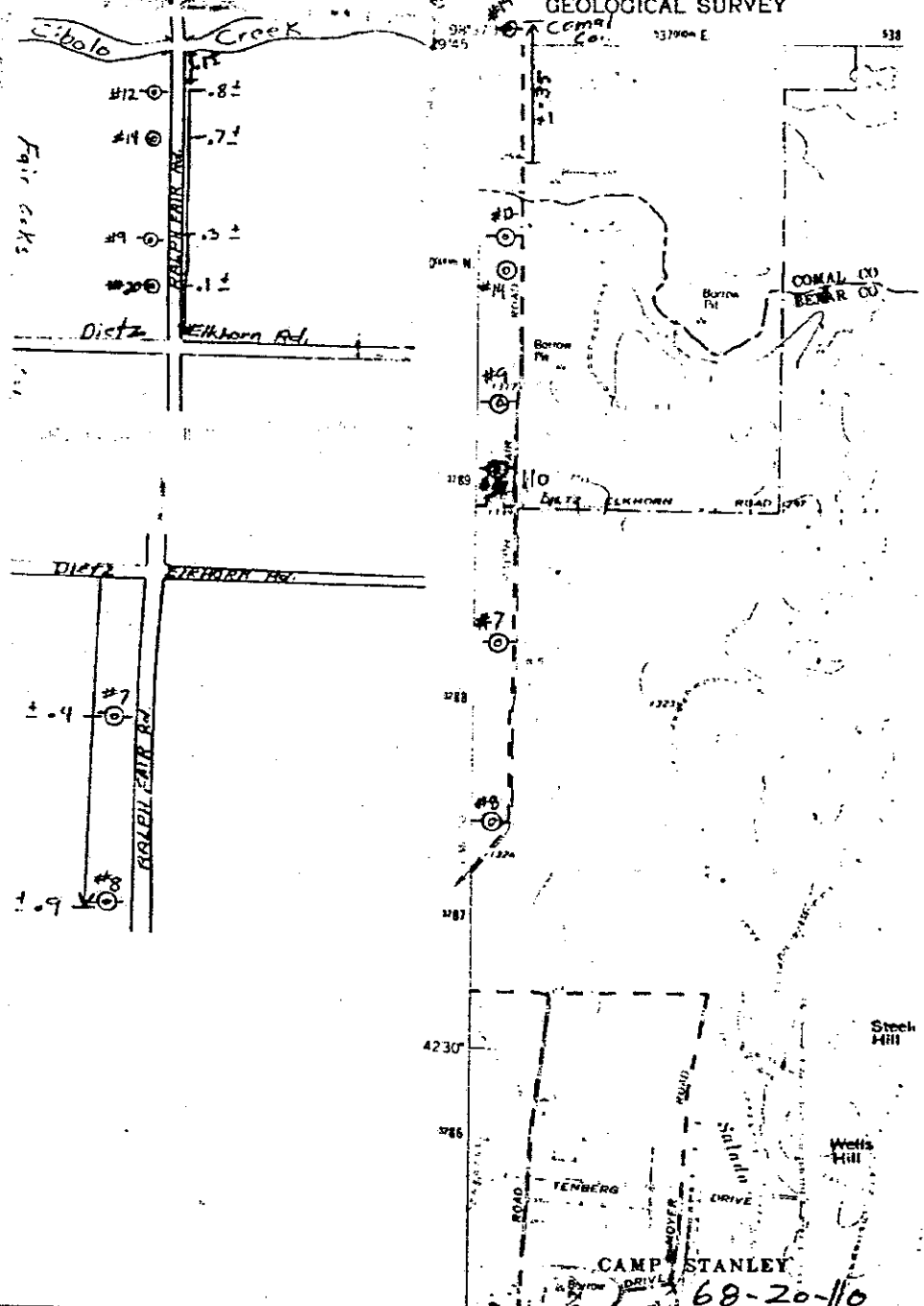
45-3-31

542-545 med hard  
545-558 med soft blue gray shale w/soft spots-some green shale  
558-565 med soft & sticky blue green shale  
565-571 med soft gray rock  
571-586 med hard gray rock  
586-590 med hard porous gray blue rock  
590-600 med hard lt brown rock  
600-610 med hard porous spots  
610-620 med hard lt blue & brown rock  
620-632 med hard lt blue rock  
632-650 med hard porous lt blue rock-shell pieces  
650-674 med hard lt brown rock w/white pieces  
674-680 med hard porous gray rock  
680-693 med hard gray rock w/mica pieces  
693-708 med hard porous lt gray rock  
708-747 med hard porous pink & gray sandstone  
747-753 med hard pink & lt gray rock  
753-765 med hard porous pink & lt gray rock  
765-770 med hard lt gray rock & pink rock  
770-780 med hard porous lt gray rock

68-20-110



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-21

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-112
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	29175 Ralph Fair Road
<i>Location/Subdivision:</i>	Fair Oaks

<i>Latitude (UTM):</i>	3288864
<i>Longitude (UTM):</i>	536384
<i>Elevation (Feet MSL):</i>	1310

## WELL COMPLETION DATA

<i>Date Drilled:</i>	01-Feb-89
<i>Well Depth (feet bgs):</i>	500
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	300
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	420

<i>Well Yield (gpm):</i>	90
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	300 01-Feb-89
<i>Production Zone(s):</i>	Cow Creek*

## OTHER NOTES

Depth to Cow Creek is 404'.

Texas Water Development Board  
Well Schedule

State Well No. 68 20 112 Previous Well No.            County Bexar 0219

River Basin Sa Antonio 19 Zone 1 Lat. 29 43 49 Long. 098 37 26 1

Owner's Well No. #21 Location 14 I.d. Section        Block        Survey       

Dieta Elkoin - R. Fair

Owner Fairco Water Company Driller Louis Bergmann  
3045

Address Box 4495 Doorn Town/City Paul Broussard

Date Drilled 02 01 1989 Depth 1500 Source of Depth Datum 2 Altitude 4328 Source of Alt. Datum 2

Aquifer 218CCAK Well Type W User 277575

Well Construction Method Air Rotary  Casing Material steel

0150216

Completion open hole  Screen Material          
Lift Date Pump Mfr.        Type Subm  No. Stages 5

Bank Diam.        in. Setting 420 & Column Diam.        in.

Motor Mfr.        Fuel or Power elec  Horsepower 15-20  
20000

Yield Flow        GPM Pump        GPM Max. Rep. Exc.        Dam       

Performance Test Date        Length of Test        Production        GPM

Static Level        ft. Pumping Level        ft. Drawdown        ft. Sp. Cap.        GPM/ft.

Quality (Remarks)       

Water Use Primary PS  Secondary         Tertiary       

Other Data Available Water Level  Water Quality  Log  Other Data

Date 02 01 1989 Min. 300 •        7-07

Water Levels Date        Min.        •       

Date        Min.        •       

Equipped w/air line = 415'

Recorded By D. Coker Date Record Collected 05 08 1997 (20 min) Reporting Agency 01

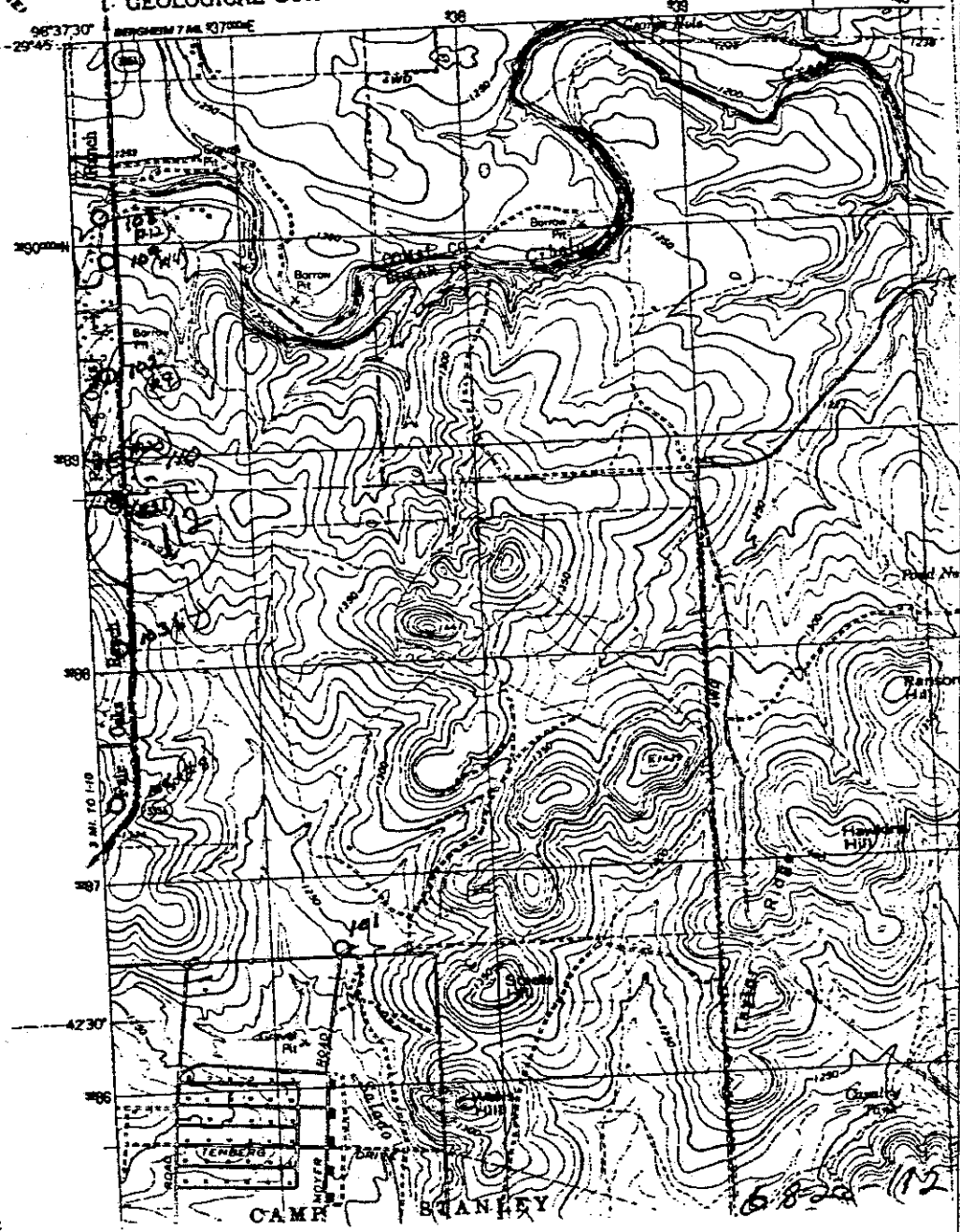
Remarks Owner's well #21. Cemented from 0  
to 300 feet.

Aquifer         
Well No. 68-20-112

221.27  
150.816

7046

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



Please use black ink.  
Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Fair Oaks Water Co Well #21 Address Box 4495 Boerne, TX 78006  
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: Dicks Elson + Curry Creek Rd Fair Oaks  
County Bexar miles in 1 direction from Fair Oaks  
(N.E., S.W., etc.) (Town)

Legal description:  
Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

See attached map. on 68-20-7

3) TYPE OF WORK (Check):  
 New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):  
 Domestic  Industrial  Monitor  Public Supply  
 Irrigation  Test Well  Injection  Other \_\_\_\_\_

5) DRILLING METHOD (Check):  Driven  
 Mud Rotary  Air Hammer  Jetted  Bored  
 Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:  
Date Drilling: \_\_\_\_\_  
Started 1-11-89 19\_\_\_\_  
Completed 2-1-89 19\_\_\_\_

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
12	Surface	300
8	300	500

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:					
			Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
		SEE ATTACHED	8 5/8	N	steel .250	0	300	

9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 300 ft. No. of Sacks Used \_\_\_\_\_  
\_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
Method used Pressure cemented by  
Cemented by Nixon International Services, Inc.

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
approx. 300 ft. below land surface Date 2-1-89  
Static level \_\_\_\_\_ ft. below land surface Date \_\_\_\_\_  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

14) WELL TESTS:  
Type Test:  Pump  Bailor  Jetted  Estimated  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME LOUIS BERGMANN & SONS Water Well Driller's License No. 1937  
(Type or Print)

ADDRESS 135 South Pecan Boerne TX 78006  
(Street or RFD) (City) (State) (Zip)

(Signed) [Signature] (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TWC use only Well No. 68-20-1 Located on map



12" to 300'

Jan 11-Feb. 1, 1989

FAIR OAKS WATER CO. Well #21 Bexar Co

0-12	caliche & rock layers		
12-21	med hard layer blue gray rock & shale		
21-24	med hard yellow rock		
24-31	med hard gray rock & shale		
31-34	med hard yellow rock-water		
34-43	med hard blue shale & rock layers		
43-50	med hard gray rock		
50-59	med hard yellow rock		
59-75	med hard gray rock		
75-78	med hard yellow rock		
78-86	med hard gray rock		
86-103	med hard yellow rock		
103-113	med hard white yellow rock-porous spots		
113-135	med hard gray rock		
135-143	hard very porous-no returns		
143-154	med hard	"	"
154-165	hard very porous	"	"
165-181	med hard porous	"	white, yellow fo
181-225	med hard	"	"
225-234	med hard porous	"	"
234-283	med hard	"	"
283-291	med hard porous-no returns		
291-299	med hard	"	"
299-301	hard very porous	"	"
301-318	med soft	"	"
318-330	med hard	"	"
330-333	med soft porous	possible water	
333-345	med hard	no returns	
345-358	med hard very porous	no returns	
358-401	med hard porous	"	"
401-409	med soft	"	"
409-433	med hard	"	"
433-436	hard	"	"
436-444	med hard porous	"	"
444-459	med hard	"	"
459-461	hard porous	"	"
461-470	med hard porous	"	"
470-499	med hard	"	"
499-500	soft	"	"

Total Depth: 500'

Static Water Level: approx. 300'

Test:

Casing: 303 ft. 8 5/8" OD .250 steel

Cement: Pressure cemented by International Service

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-22

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-317
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	28037 Ralph Fair Road
<i>Location/Subdivision:</i>	Fair Oaks

<i>Latitude (UTM):</i>	3287349
<i>Longitude (UTM):</i>	536178
<i>Elevation (Feet MSL):</i>	1304

### WELL COMPLETION DATA

<i>Date Drilled:</i>	20-Mar-89
<i>Well Depth (feet bgs):</i>	505
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	306
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	462

<i>Well Yield (gpm):</i>	100
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	300 20-Mar-89
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES

Depth to Cow Creek is 428'.





12 1/2" to 315'

March 2- , 1989

FAIR OAKS #22

4 mi. South of Pimilco & Ralph Fair Road

0-13	caliche & rock layers		
13-15	med hard gray rock		
15-20	yellow-caliche & clay		
20-22	med soft blue shale		
22-23	med hard layer yellow rock		
23-27	med-soft-layer blue gray shale		
27-46	med soft gray shale		
46-56	med soft layer yellow		
56-57	hard-yellow rock		
57-59	soft sticky blue shale		
59-64	med soft blue shale		
64-73	med hard layer yellow rock		
73-78	med hard very porous yellow rock-no returns		
78-85	med soft	"	"
85-153	med hard	"	"
153-159	med hard porous	"	"
159-171	med hard gray foam	"	"
171-178	med soft	"	"
178-234	med hard	"	"
234-249	med hard porous	"	"
249-255	med hard	"	"
255-257	hard	"	"
257-318	med hard	"	"
318-320	hard	"	"
320-332	med soft	"	"
332-335	med hard	"	"
335-353	med soft porous spots-no return-possible		
353-380	med hard	"	water
380-406	med soft gray foam	"	"
406-430	med hard	"	"
430-432	very hard porous	"	"
432-452	med hard	"	"
452-455	hard porous	"	"
455-466	med hard porous	"	"
466-475	med hard	"	"
475-491	med hard porous	"	"
491-505	med hard	"	"

Total Depth: 505'  
 Static Water Level: 300 + or -  
 Casings: 306 ft. 8 5/8" OD .322 steel  
 Cement: pressure cemented by Nixon International Services, Inc. ER:bm

68-19-317

68-19-37

15-20 hp  
S, E  
Airline

(30)  
2442 S2  
098 37 33

State of Texas  
WATER WELL REPORT  
ATTENTION: Compliance Package Module on Reverse Side

Year Water Well Drilled/Reamed  
P.O. Box 12887  
Austin, Texas 78711

OWNER: Fair Oaks Water Co. Well #22 Box 4695 Boerne, TX 78006  
LOCATION OF WELL: County: BEXAR Section: 3/4 Range: S Township: Pimlico & R. Fair Rd.

Order must complete the legal description to the right  
to show distance and direction from true intersecting section  
line or corner line, or to show location and identify the well  
on an official Quarter or Half-Section, Texas County  
General Highway Map and attach the map to this form.

TYPE OF WORK:  New Well  Deepening  Rehabilitation  Plugging

PROPOSED USE:  Domestic  Irrigation  Stocking  Public Supply  Other

DRILLING METHOD:  Driven  Mud Rotary  Air Rotary  Jetted  Bored  Air Rotary  Other

WELL LOG: Date Drilled: 3-2-89 Diameter of Hole: 12 3/16 Surface 315 8 315 505

SCREENING DATA: 0 ft. to 306 ft. No. of Struts Used: Method used: Pressure cemented by Nixon Intl Services, Inc.

WATER LEVEL: Static level: 300 ft. Depth of surface: 3-20-89

WATER QUALITY: Did you knowingly penetrate any zones which contain undesirable water?  Yes  No

COMPANY NAME: LOUIS BERGMANN & SONS Year Well Driller's License No.: 1937  
ADDRESS: 135 South Pacon Boerne, TX 78006  
Signed: [Signature] (Typed)

TEXAS WATER COMMISSION COPY

68-19-37

MAP #29

VALLEY VIEW QUADRANGLE  
TEXAS  
7.5 MINUTE SERIES (TOPOGRAPHIC)

1:250,000  
SCALE

92 47 33 12 110 000 FEET 34 65 35 96°37'30" 29°45'



*City of  
Fairbault  
Minn.*

*317*

RESERVATION

67-317

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: FO-J1

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-620
<i>Current Owner:</i>	Fairco Water Co.
<i>Original Owner:</i>	same
<i>Physical Address:</i>	Lot 29 - Jackson Woods
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3284726
<i>Longitude (UTM):</i>	535446
<i>Elevation (Feet MSL):</i>	1268

### WELL COMPLETION DATA

<i>Date Drilled:</i>	07-Nov-86
<i>Well Depth (feet bgs):</i>	496
<i>Casing Diameter (inches):</i>	8-5/8
<i>Casing Depth (feet bgs):</i>	297
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	441

<i>Well Yield (gpm):</i>	100
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES

Lot 29 - Jackson Woods. Depth to Cow Creek is 448'.



- 9m. N15W  
- 4m. W12E

Use black ink.  
Send original copy by  
certified mail to the  
Texas Water Commission  
P.O. Box 13087  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P.O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Fair Oaks Water Co (Name) J-1 Address Rt. 4 Box 4495 Boerne, TX 78006  
 2) LOCATION OF WELL: County Bexar miles in 2.2 direction from Leov Springs (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Section Texas County General Highway Map and attach the map to this form.

Legal description: Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
 Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
 Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
 See attached map.

3) TYPE OF WORK (Check):  New Well  Deepening  Reconditioning  Plugging  
 4) PROPOSED USE (Check):  Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  Other \_\_\_\_\_  
 5) DRILLING METHOD (Check):  Driven  Mud Rotary  Air Hammer  Jetted  Bored  Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:

Date Drilling:	DIA. (in.)	DIAMETER OF HOLE	
		From (ft.)	To (ft.)
Started <u>10-28-86</u>	<u>12 1/2</u>	Surface	<u>300</u>
Completed <u>11-7-86</u>	<u>8</u>	<u>300</u>	<u>500</u>

7) BOREHOLE COMPLETION:  Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
 If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Part., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
						From	To	
		SEE ATTACHED	8	5/8	N steel	.332	0	297

9) CEMENTING DATA [Rule 319.44(b)]  
 Cemented from 0 ft. to 297 ft. No. of Sacks Used \_\_\_\_\_  
 \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
 Method used Pressure cemented  
 Cemented by Haliburton Services

JACKSON WOODS  
 SEE 1502 HP  
 Airline  
 2D 97 41 34  
 98 38 00

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Plugless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

RECEIVED  
 JAN - 7 1987

11) WATER LEVEL:  
 Static level \_\_\_\_\_ ft. below land surface Date \_\_\_\_\_  
 Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

TEXAS WATER COMMISSION  
 (Use reverse side if necessary)

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

5) WATER QUALITY:  
 Did you knowingly penetrate any strata which contained undesirable water?  Yes  No  
 If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
 Depth to pump bowls, cylinder, jet, etc. \_\_\_\_\_ ft.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME LOUIS BERGMANN & SONS Water Well Driller's License No. 1937  
 ADDRESS 135 South Pecan Boerne TX 78006  
 Signed Dean Marquardt P (Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TWC use only Well No. 68-19-6 Located on map

MAP # 10

FAIR OAKS J-1

Wagon Wood Subd. Leon Springs, TX

1-1	med hard caliche & rock layers
1-2	med hard white gray rock-water +30 gpm
2-2	med soft blue shale
3-1	med hard gray rock
4-51	med soft blue gray rock & shale
51-54	med hard gray rock
54-56	med soft yellow clay very soft-porous
56-61	med hard yellow rock-traces of clay
61-65	med hard blue gray rock
65-97	med hard layer gray rock
97-116	med hard gray rock
116-121	med hard white yellow rock
121-138	med hard lt gray rock
138-148	med soft blue gray shale & rock
148-159	med hard layer yellow rock
159-194	med hard gray rock
194-208	med hard layer gray rock
208-219	med hard gray rock
219-224	med soft gray yellow rock-little water
224-235	med soft white yellow rock
235-253	med hard gray rock
253-258	med hard blue gray rock
258-302	med hard layer gray rock
302-322	med hard gray rock
322-335	med soft layer gray rock
335-338	med hard gray rock
338-344	med soft gray yellow rock
344-349	med hard yellow rock water
349-360	soft yellow rock-water
360-384	med soft yellow rock water
384-393	med hard porous yellow rock-water
393-400	med hard gray rock
400-409	med hard blue gray rock
409-419	med soft blue rock & shale
419-424	med hard gray rock
424-426	hard gray rock
426-436	med hard gray rock
436-443	med hard blue gray rock
443-444	hard gray green rock-trace shale
444-445	med hard gray green rock-some shale
445-446	hard brown rock
446-453	med hard porous brown rock





66 med hard white rock  
67 med soft porous white rock  
68-70 med hard white rock-porous spots  
71-73 med hard white gray rock  
74-75 med soft white gray rock  
76-78 med hard white gray rock  
79-88 med hard brown rock  
89-100 med hard white gray rock

Total Depth: 500'

Static Water Level:

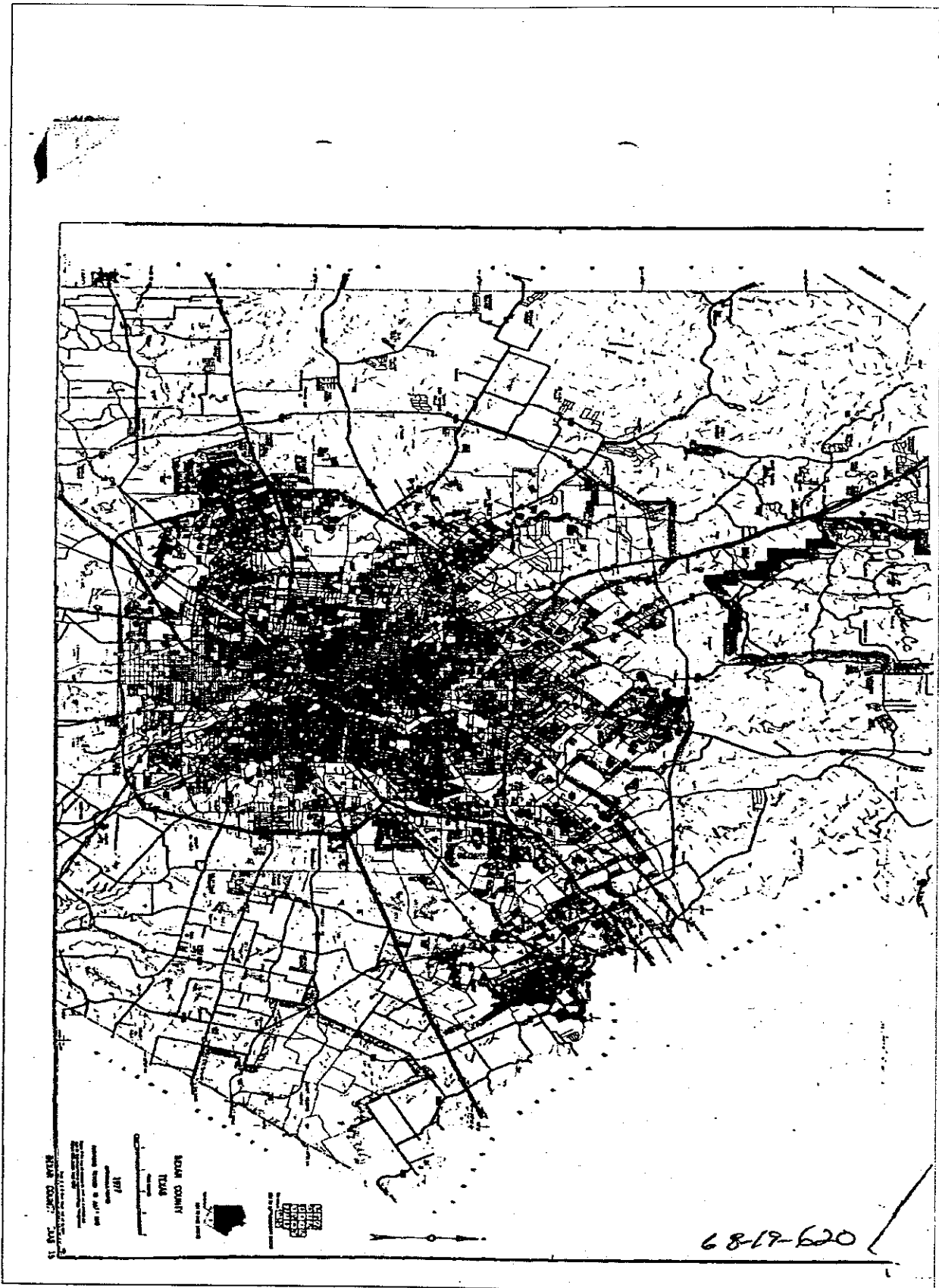
Tests:

Casing: 299 ft. 5/8" OD steel .332

E. Rust:bm



68-19-620





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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-1

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-3
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	same
<i>Physical Address:</i>	7735 Mountain Trail
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285886
<i>Longitude (UTM):</i>	535351
<i>Elevation (Feet MSL):</i>	1280

### WELL COMPLETION DATA

<i>Date Drilled:</i>	21-Nov-85
<i>Well Depth (feet bgs):</i>	445
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	214
<i>Well Diameter (inches):</i>	6-1/2
<i>Pump Depth (feet bgs):</i>	399

<i>Well Yield (gpm):</i>	30
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	260 21-Nov-85
<i>Production Zone(s):</i>	Lower Glen Rose/ Cow Creek

### OTHER NOTES

Driller log indicates groundwater was first encountered at 250', then again at 320'.

Please use black ink.  
Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Frank Duderstadt Jr Address 7735 Mountain Trail San Antonio, Texas  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County Bexar 24 miles in Northwest direction from San Antonio  
(Town)  
(N.E., S.W., etc.)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.  
 Legal description: Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township Franklin  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
41.  See attached map.

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging  
4) PROPOSED USE (Check):  
 Domestic  Industrial  Public Supply  Irrigation  Test Well  Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  
 Mud Rotary  Air Hammer  Driven  Bored  Air Rotary  Cable Tool  Jetted  Other \_\_\_\_\_

6) WELL LOG:  
Date drilled 11/21/85  
DIAMETER OF HOLE  
Dia. (in.) From (ft.) To (ft.)  
8 3/4 Surface 214  
6 1/2 214 445  
7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval . . . from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)	Gage Casing Screen
					From To		
0	3	Black Top Soil					
3	27	Glenrose Yellow					
27	82	Blue					
82	106	Yellow					
106	229	Blue					
229	260	Gray					
260	420	Blue					
420	445	Black					

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:  
9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 214 ft.  
\_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Method used poured  
Cemented by Braendle Water Well

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 260 ft. below land surface Date 11/21/85  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_  
N/A

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 399 ft.

14) WELL TESTS:  
Type Test:  Pump  Bailor  Jetted  Estimated  
Yield: 30 gpm with \_\_\_\_\_ ft. drawdown after 1 hrs.

15) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water?  Yes  No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

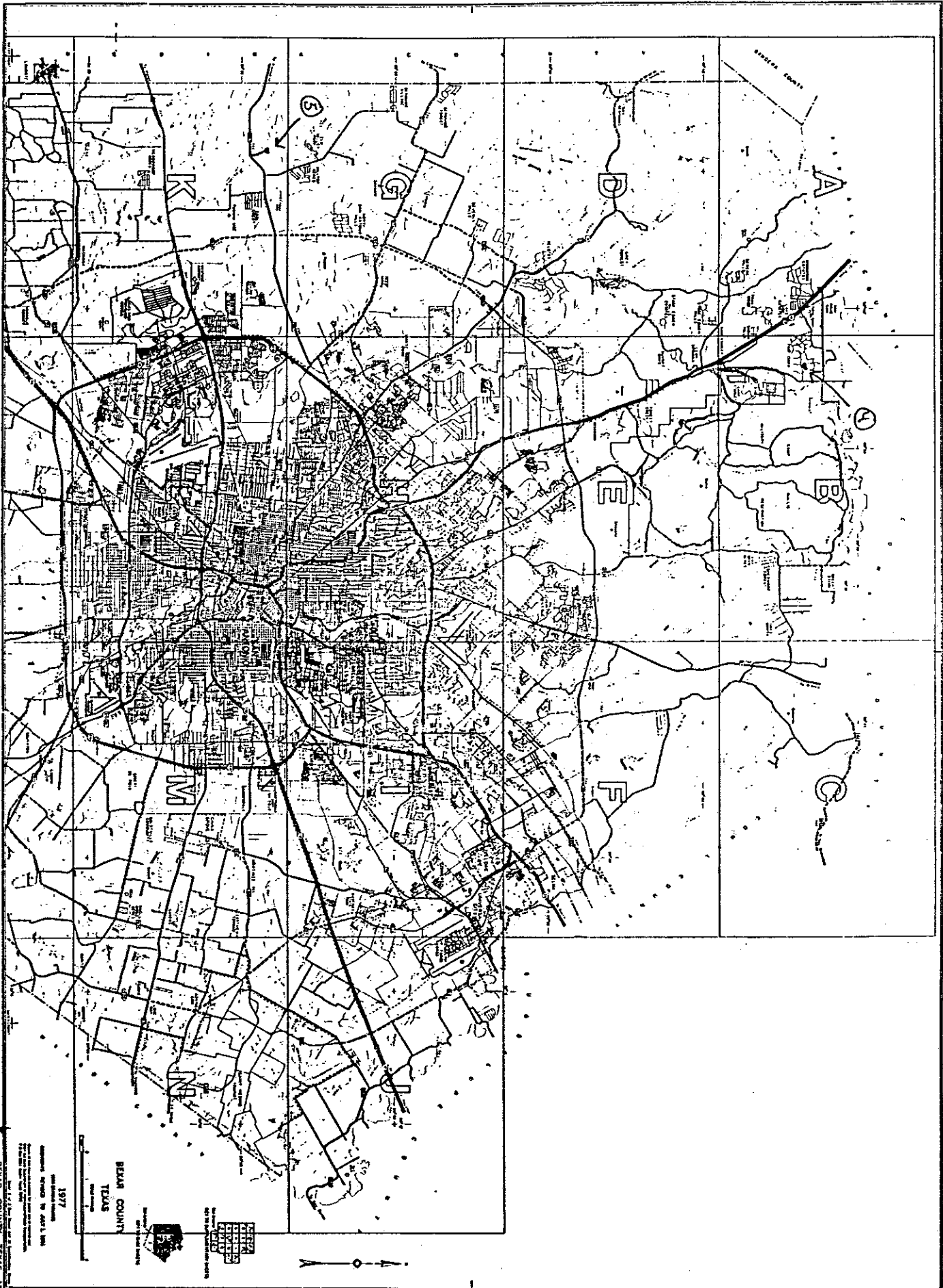
COMPANY NAME Braendle Water Well Water Well Driller's License No. 2206  
(Type or Print)  
ADDRESS Rt 1 Box 25B Helotes Texas 78023  
(Street or RFD) (City) (State) (Zip)  
(Signed) J. Braendle (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
For TDWR use only  
Well No. 68-19-3  
Located on map \_\_\_\_\_

**RECEIVED**  
FEB 22 1990

TEXAS WATER COMMISSION

MAP #17



BEXAR COUNTY TEXAS  
 1977  
 THE 1977 BEXAR COUNTY MAP  
 SHOWS THE BOUNDARIES OF THE  
 BEXAR COUNTY, TEXAS  
 AS OF JANUARY 1, 1977

MAP#17

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-2

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-6
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	26837 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285830
<i>Longitude (UTM):</i>	535586
<i>Elevation (Feet MSL):</i>	1280

## WELL COMPLETION DATA

<i>Date Drilled:</i>	12-Oct-90
<i>Well Depth (feet bgs):</i>	525
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	170
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	462

<i>Well Yield (gpm):</i>	30
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	345 12-Oct-90
<i>Production Zone(s):</i>	Lower Glen Rose/ Cow Creek

## OTHER NOTES

#7

ATTENTION OWNER: Confidentiality  
Privilege Notice on Reverse Side

State of Texas  
WELL REPORT

Texas Water W.  
P.O. Box 13087  
Austin, Texas 78711

1) OWNER Karen Fletcher ADDRESS 26837 Fawn Mountain Boerne, Texas  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County Bexar 2 miles in N direction from Leon Springs  
(NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:  
Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name Jackson Woods  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
 SEE ATTACHED MAP #7

3) TYPE OF WORK (Check):  New Well  Deepening  Reconditioning  Plugging  
4) PROPOSED USE (Check):  Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  De-Watering  
5) DRILLING METHOD (Check):  Driven  Mud Rotary  Air Hammer  Jetted  Bored  Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:  
Date Drilling: 10-9-90  
Started: 10-12-90  
Completed: \_\_\_\_\_  
DIAMETER OF HOLE  
Dia. (In.) From (ft.) To (ft.)  
8 3/4 Surface 170  
6" 170 525

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Well  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.) To (ft.) Description and color of formation material  
0-1 topsoil  
1-8 cream colored marly caliche  
8-19 yellow lime & caliche (lost little return at 8')  
19-22 blue shale  
22-54 layers of gray lime & blue shale  
54-56 cream colored lime  
56-74 blue gray shaley lime  
74-96 gray lime  
96-104 cream colored lime  
(Use reverse side if necessary) (over)

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:  
Dia. (In.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., # commercial Setting (ft.) From To Gage Casting Screen  
6 5/8" steel casing 0 170  
172' 156 wall

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other 1 1/2hp Wehtrrol 102S1520B  
Depth to pump bowls, cylinder, jet, etc., set @ 462 ft.

9) CEMENTING DATA [Rule 287.44(1)]  
Cemented from 0 ft. to 170 ft. No. of Sacks Used 150 yds.  
Method used 8-sk grout  
Cemented by H. W. Schwope & sons, Inc.

14) WELL TESTS:  
Type Test:  Pump  Bailer  Jetted  Estimated  
Yield: 30 gpm with 525 ft. drawdown after \_\_\_\_\_ hrs.

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 287.44(2)(A)] owner  
 Piless Adapter Used [Rule 287.44(3)(B)]  
 Approved Alternative Procedure Used [Rule 287.71]

15) WATER QUALITY:  
Did the drilling penetrate any strata which contained undesirable constituents?  
 Yes  No if yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

11) WATER LEVEL:  
Standing \_\_\_\_\_ ft. below land surface Date \_\_\_\_\_  
 Artesian flow \_\_\_\_\_ gpm Date \_\_\_\_\_  
12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

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SEP 06 1991

TEXAS WATER WELL  
DRILLERS BOARD

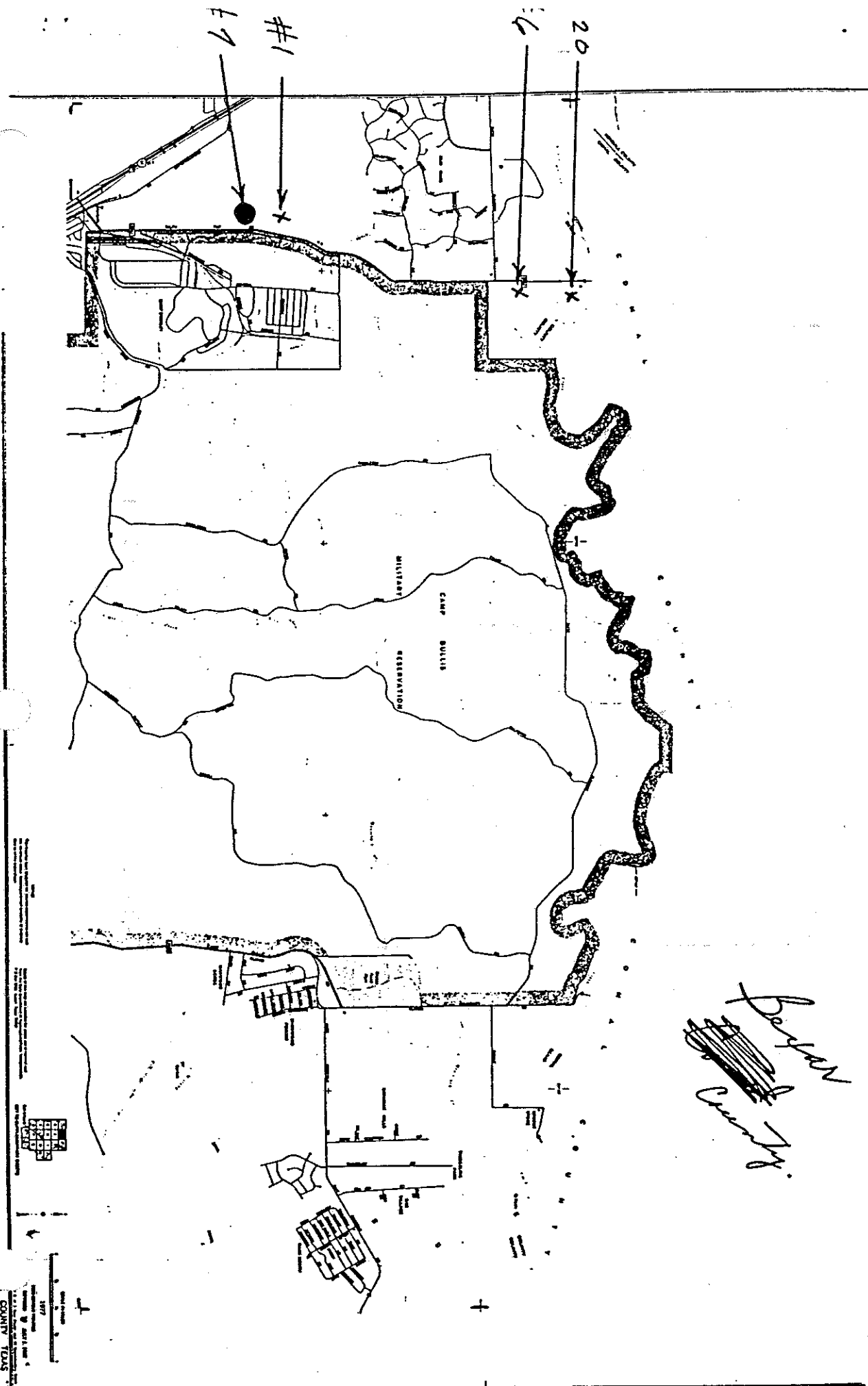
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME H. W. Schwope & Sons, Inc. WELL DRILLER'S LICENSE NO. 1566  
(Type or print)  
ADDRESS PO Box 364 Boerne Texas 78006  
(Street or RFD) (City) (State) (Zip)  
Signed: [Signature] (Signed) \_\_\_\_\_ (Registered Driller Trainee)  
(Licensed Well Driller)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TWC use only: Well No. \_\_\_\_\_ Located on map 68-196

4802903128

MAP #16



*Parker*  
~~\_\_\_\_\_~~  
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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-3

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-6EE
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	26818 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285587
<i>Longitude (UTM):</i>	535423
<i>Elevation (Feet MSL):</i>	1293

### WELL COMPLETION DATA

<i>Date Drilled:</i>	19-Apr-79
<i>Well Depth (feet bgs):</i>	400
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	140
<i>Well Diameter (inches):</i>	8-1/2
<i>Pump Depth (feet bgs):</i>	336

<i>Well Yield (gpm):</i>	10
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	165 19-Apr-79
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

R 12 0 5 0 5 U

MAY 3 1979

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT DEPT. OF WATER RESOURCES

For TDWR use only Well No. 67-13-2EE Located on map 13C Received: 29 SIC

1) OWNER Charles Swindler Address 7718 Misty Park San Antonio, Tx 78250
2) LOCATION OF WELL: County Bexar 3 miles in north direction from Leon Springs

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines... See attached map.

3) TYPE OF WORK (Check): X New Well
4) PROPOSED USE (Check): X Domestic
5) DRILLING METHOD (Check): X Cable Tool

6) WELL LOG: Date Drilled 04-19-79
7) BOREHOLE COMPLETION: X Open Hole

Table with columns: From (ft.), To (ft.), Description and color of formation material, Dia. (in.), New or Used, Steel, Plastic, etc., Setting (ft.), Gauge Casing Screen. Rows include: 0-1 Dirt and loose rock, 1-4 Clay and gravel, 4-20 Caliche, 20-30 Blue shale and lime, 30-45 Gray lime, 45-65 Dark blue lime, 65-75 Yellow clay, 75-90 Gray lime and clay, 90-120 Gray lime and shale, 120-160 Yellow lime, 160-190 Gray lime, 190-210 Yellow lime, 210-280 Gray lime, 280-310 Yellow lime, 310-330 Blue lime, 330-345 Blue shale and lime, 345-398 Yellow lime, 398-400 Black shale and sand.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Cemented from 0 ft. to 140 ft. Method used Grout poured from top. Cemented by Charlie Junek Drilling Co.

9) WATER LEVEL: Static level 165 ft. below land surface Date 04-19-79

10) PACKERS: Type canvas Depth 140

11) TYPE PUMP: X Submersible Depth to pump bowls, cylinder, jet, etc., 336 ft.

12) WELL TESTS: X Pump Yield: 10 gpm with 0 ft. drawdown after 1 hrs.

13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? X No. Type of water? Glenrose Depth of strata 310-345

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Charlie Junek Water Well Drillers Registration No. 1683
ADDRESS 7206 Moss Creek San Antonio Texas 78238
(Signed) Charlie Junek Charlie Junek Drilling Company

Please attach electric log, chemical analysis, and other pertinent information, if available.

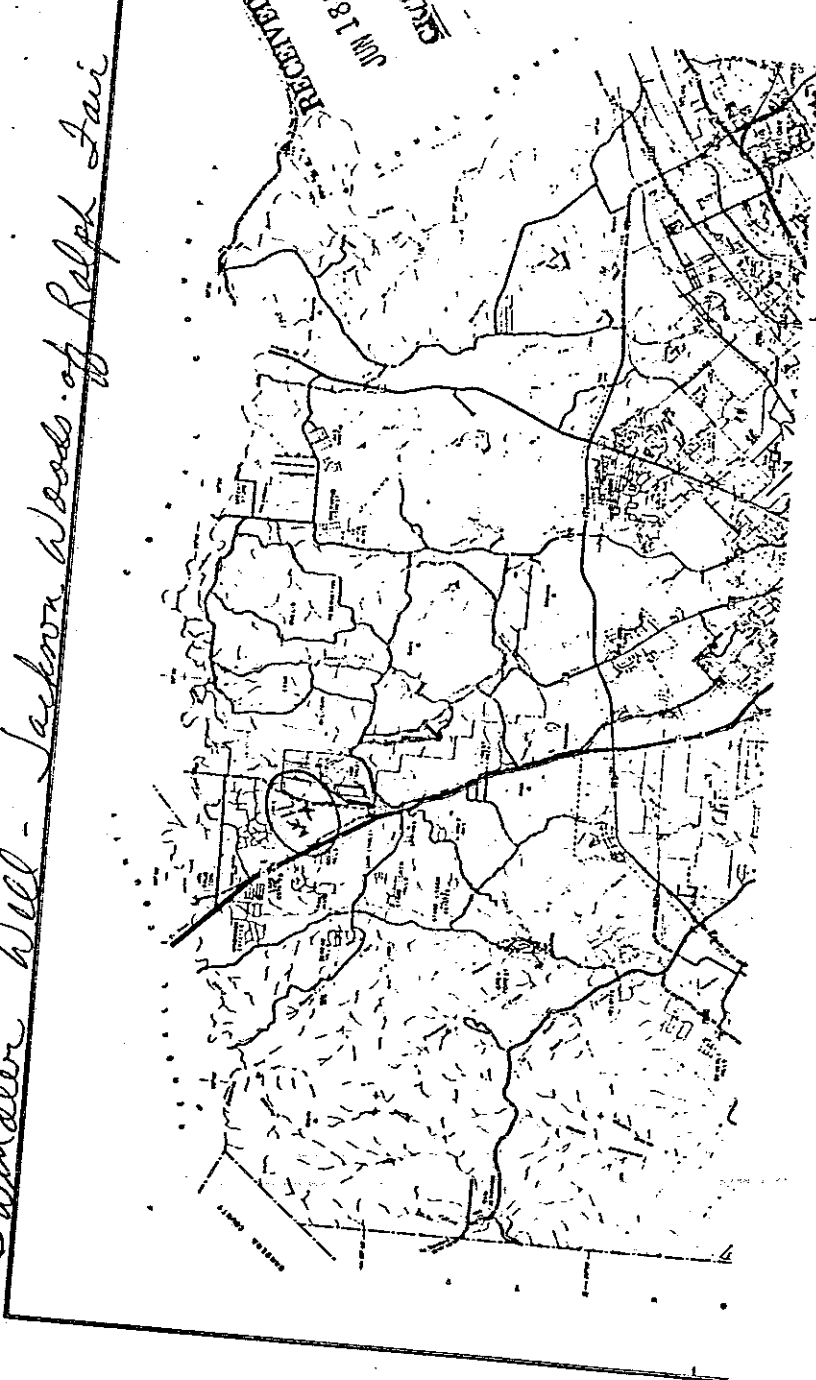
4802903207

MAP # 14

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.  
Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.  
When giving a legal description include a sketch showing location of the well within the described area; e.g. survey abstract. Information furnished in Section 2 of the TDWR-0392 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

*Swindler Well - Jackson Woods of Ralph Fair*



RECEIVED  
JUN 18 1979  
COUNTY ENGINEER

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-4

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-6F
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	26766 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285523
<i>Longitude (UTM):</i>	535347
<i>Elevation (Feet MSL):</i>	1302

### WELL COMPLETION DATA

<i>Date Drilled:</i>	07-Dec-81
<i>Well Depth (feet bgs):</i>	412
<i>Casing Diameter (inches):</i>	7-3/16
<i>Casing Depth (feet bgs):</i>	175
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	378

<i>Well Yield (gpm):</i>	10
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	240 03-Dec-81
<i>Production Zone(s):</i>	Lower Glen Rose

### OTHER NOTES

Driller logs specify Lower Glen Rose water from 190' and 350'-375'. Well is probably also completed into the Bexar Shale.

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT

For TDWR use only Well No. 68-19-6E Located on map YES Received: RWS

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Richard Gansle Address 8710 Tamarisk San Antonio Tx 78224
2) LOCATION OF WELL: County Bexar 3 miles in north direction from Leon Springs Well located on Lot #41, Jackson Woods Subdivision

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines... Legal description: Section No. Block No. Township Abstract No. Survey Name Distance and direction from two intersecting section or survey lines See attached map.

3) TYPE OF WORK (Check): New Well Deepening Reconditioning Plugging 4) PROPOSED USE (Check): Domestic Industrial Public Supply Irrigation Test Well Other 5) DRILLING METHOD (Check): Mud Rotary Air Hammer Driven Bored Air Rotary Cable Tool Jetted Other

6) WELL LOG: DIAMETER OF HOLE Date drilled 12-07-81 7) BOREHOLE COMPLETION: Open Hole Straight Wall Underreamed Gravel Packed Other If Gravel Packed give interval from ft. to

Table with 4 columns: From (ft.), To (ft.), Description and color of formation material, 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Dia. (in.), New or Used, Steel, Plastic, etc., Setting (ft.) From To. Includes data for 0-2 ft (Dirt and loose rock), 2-20 ft (Caliche), 20-40 ft (Gray lime), 40-60 ft (Dark gray lime and shale), 60-75 ft (Blue gray lime and shale), 75-85 ft (Yellow clay and lime), 85-135 ft (Gray lime), 135-150 ft (Yellow lime), 150-160 ft (Dark gray lime and shale), 160-175 ft (Yellow lime), 175-210 ft (Gray lime (water at 100')), 210-230 ft (Yellow lime), 230-235 ft (Blue lime and shale), 235-265 ft (Gray lime), 265-275 ft (Blue lime and shale), 275-310 ft (Yellow lime), 310-335 ft (Blue lime), 335-350 ft (Dark gray lime and shale), 350-375 ft (Yellow lime and sand (water)), 375-390 ft (Blue lime), 390-412 ft (Black shale).

CEMENTING DATA Cemented from 0 ft. to 172 Method used Grout poured from top Cemented by Charlie Junek Drilling (Company or Individual)

9) WATER LEVEL: Static level 240 ft. below land surface Date 12-07-81 Artesian flow gpm. Date

10) PACKERS: Type Depth rubber 172'

11) TYPE PUMP: Turbine Jet Submersible Cylinder Other Depth to pump bowls, cylinder, jet, etc., 378 ft.

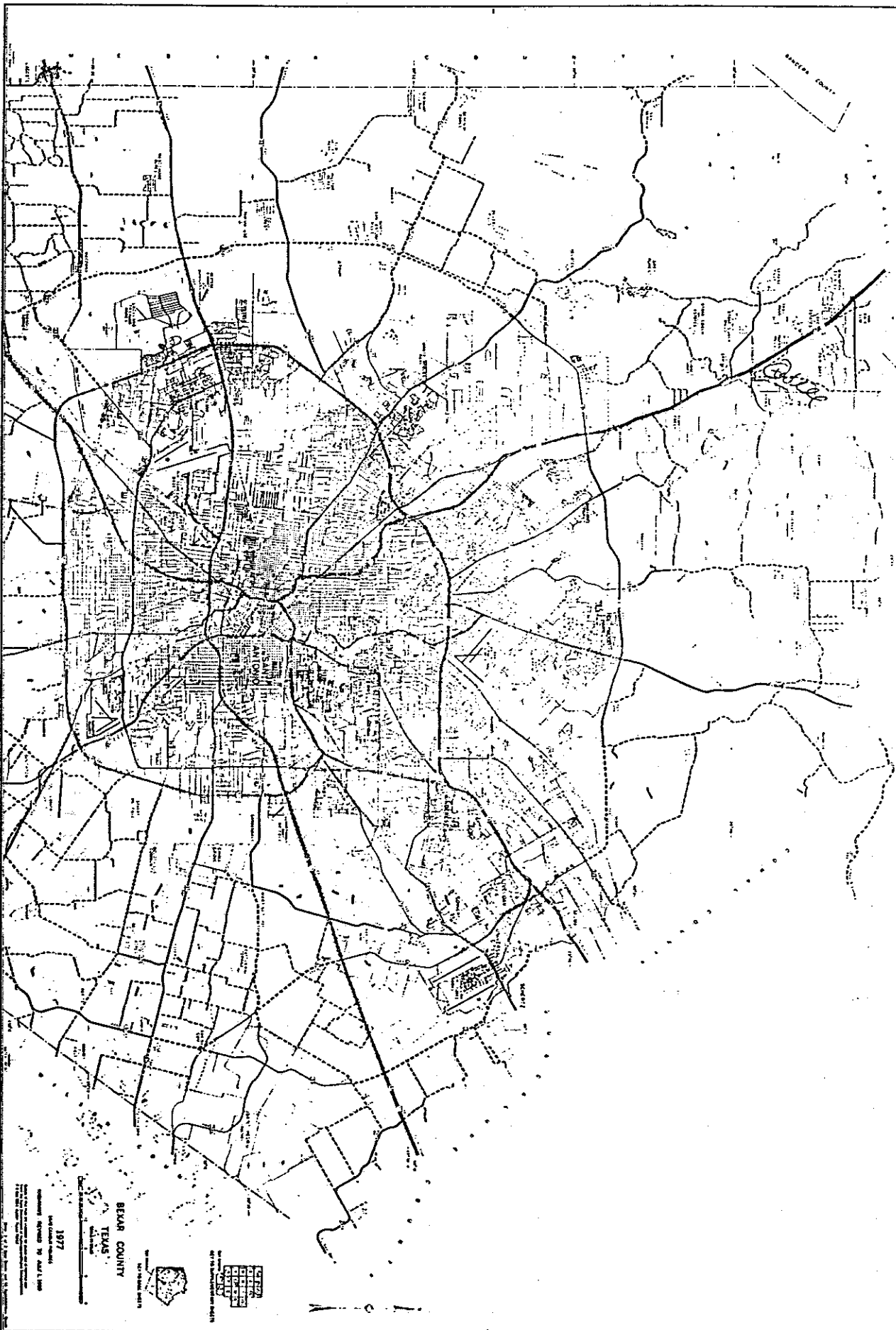
13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? Glenrose Depth of strata 190' and Was a chemical analysis made? Yes 350-375'

12) WELL TESTS: Type Test: Pump Bailer Jetted Estimated Yield: 10 gpm with 0 ft. drawdown after 3 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

AUG 31 1982

NAME Charlie Junek Water Well Drillers Registration No. 1683 DRESS 7206 Moss Creek San Antonio Texas 78238 (Water Well Driller) Charlie Junek Drilling Co. (Company Name)



BEJAR COUNTY TEXAS 1897

1897  
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Published by ...

BEJAR COUNTY  
TEXAS



—	City
—	Town
—	Post Office
—	Section Line
—	County Line
—	Water
—	Unimproved Road
—	Improved Road
—	Railroad

MAP #9

Please use black ink. Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT

Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Richard Gansle Address 26766 Fawn Mountain Road, Boerne, Texas (Name) (Street or RFD) (City) (State) (Zip)
2) LOCATION OF WELL: County Bexar 4 miles in N direction from Leon Springs (N.E., S.W., etc.) (Town)

Legal description: Section No. Block No. Township Jackson Woods
Abstract No. Survey Name
Distance and direction from two intersecting section or survey lines
See attached map.

3) TYPE OF WORK (Check): New Well Deepening Reconditioning Plugging
4) PROPOSED USE (Check): Domestic Industrial Monitor Public Supply Irrigation Test Well Injection Other
5) DRILLING METHOD (Check): Driven Mud Rotary Air Hammer Jetted Bored Air Rotary Cable Tool Other

6) WELL LOG: Date Drilling: Started 12-14-1988 Completed 12-14-1988
DIAMETER OF HOLE: Dia. (in.) From (ft.) To (ft.)
7) BOREHOLE COMPLETION: Open Hole Straight Wall Underreamed Gravel Packed Other

Table with 5 columns: From (ft.), To (ft.), Description and color of formation material, Dia. (in.), New or Used, Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgt., if commercial, Setting (ft.) From To, Gage Casing Screen. Includes entries like 409-412 cream colored lime, 412-452 blue sandstone, etc.

9) CEMENTING DATA (Rule 319.44(b)) Cemented from ft. to ft. No. of Sacks Used
Method used
Cemented by

10) SURFACE COMPLETION: Specified Surface Slab Installed [Rule 319.44(c)] Pitless Adapter Used [Rule 319.44(d)] Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL: Static level 357' ft. below land surface Date
Artesian flow gpm. Date

12) PACKERS: Type Depth

13) TYPE PUMP: Turbine Jet Submersible Cylinder Other
Depth to pump bowls, cylinder, jet, etc., ft.
reinstalled 1 1/2hp Pumpco set @ 462'

14) WELL TESTS: Type Test: Pump Bailer Jetted Estimated Yield: gpm with ft. drawdown after hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

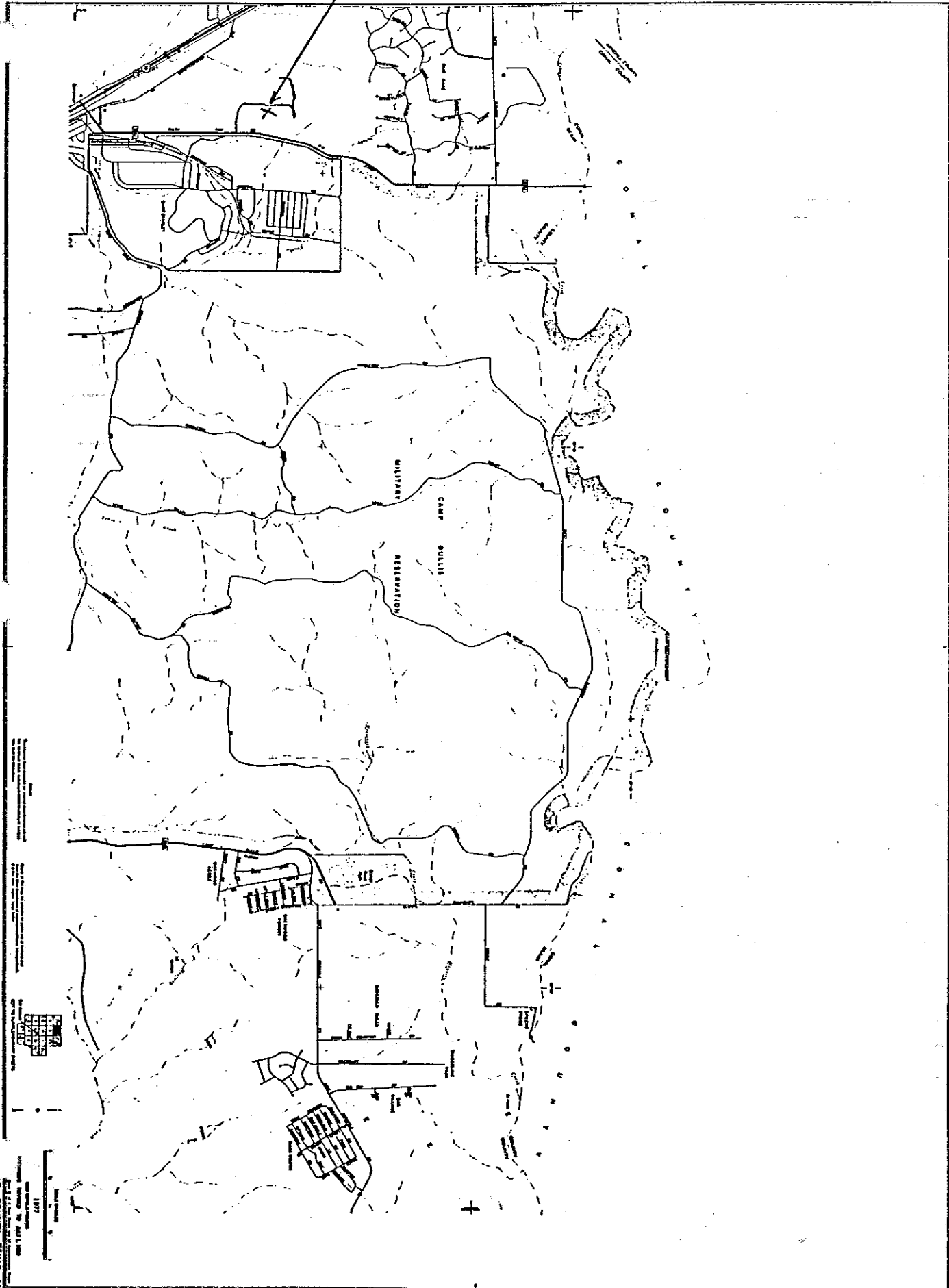
COMPANY NAME: H. W. Schwope & Sons, Inc Water Well Driller's License No. 1566
ADDRESS: PO Box 364 Boerne, Texas 78006
(Signed) John C. Schwope (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TYC use only Well No. 68-19-6 Located on map

4802903139

MAP # 14

#11



MAP#K1

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-5

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### PHYSICAL DESCRIPTION

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<i>State ID Number</i>	68-19-6EE
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	26736 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285278
<i>Longitude (UTM):</i>	535300
<i>Elevation (Feet MSL):</i>	1309

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### WELL COMPLETION DATA

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<i>Date Drilled:</i>	29-Oct-84
<i>Well Depth (feet bgs):</i>	565
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	203
<i>Well Diameter (inches):</i>	6-1/8
<i>Pump Depth (feet bgs):</i>	441

<i>Well Yield (gpm):</i>	25
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	320 29-Oct-84
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek

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### OTHER NOTES

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Driller logs specify Lower Glen Rose water from 180' to 250'. Additional water zone 480' to 565'.

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Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Arvo Keidre Address 2802 Whisper Fawn San Antonio Tx 78230

2) LOCATION OF WELL: County Bexar 3 miles in north direction from Leon Springs well located on Fawn Mountain, Jackson Woods Subdivision.

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines... Legal description: Section No. Block No. Township Abstract No. Survey Name Distance and direction from two intersecting section or survey lines See attached map.

3) TYPE OF WORK (Check): New Well Deepening Reconditioning Plugging 4) PROPOSED USE (Check): Domestic Industrial Public Supply Irrigation Test Well Other 5) DRILLING METHOD (Check): Mud Rotary Air Hammer Driven Bored Air Rotary Cable Tool Jetted Other

6) WELL LOG: DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) Date drilled 10-29-84 6-1/8 203 565 7) BOREHOLE COMPLETION: Open Hole Straight Wall Underreamed Gravel Packed Other If Gravel Packed give interval from ft. to ft.

Table with 3 columns: From (ft.), To (ft.), Description and color of formation material. Rows include soil and rocks, yellow clay, gray shale, yellow lime, white lime, gray lime, hard white lime (water), gray lime and shale, white lime, gray lime (water).

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Dia. (in.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial Setting (ft.) From To Gage Casing Screen 6-5/8 steel 0 203 .188 wall

CEMENTING DATA Cemented from 0 ft. to 203 ft. Method used Sand Man Mobile Concrete Co. Cemented by Grout poured from top

9) WATER LEVEL: Static level 320 ft. below land surface Date 10-29-84 Artesian flow gpm. Date

10) PACKERS: Type Depth rubber 203

11) TYPE PUMP: Turbine Jet Submersible Cylinder Other Depth to pump bowls, cylinder, jet, etc., 441 ft.

12) WELL TESTS: Type Test: Pump Bailer Jetted Estimated Yield: 25 gpm with 0 ft. drawdown after 1 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME Charlie Junek Drilling Water Well Driller's License No. 1683

ADDRESS 7206 Moss Creek San Antonio Texas 78236

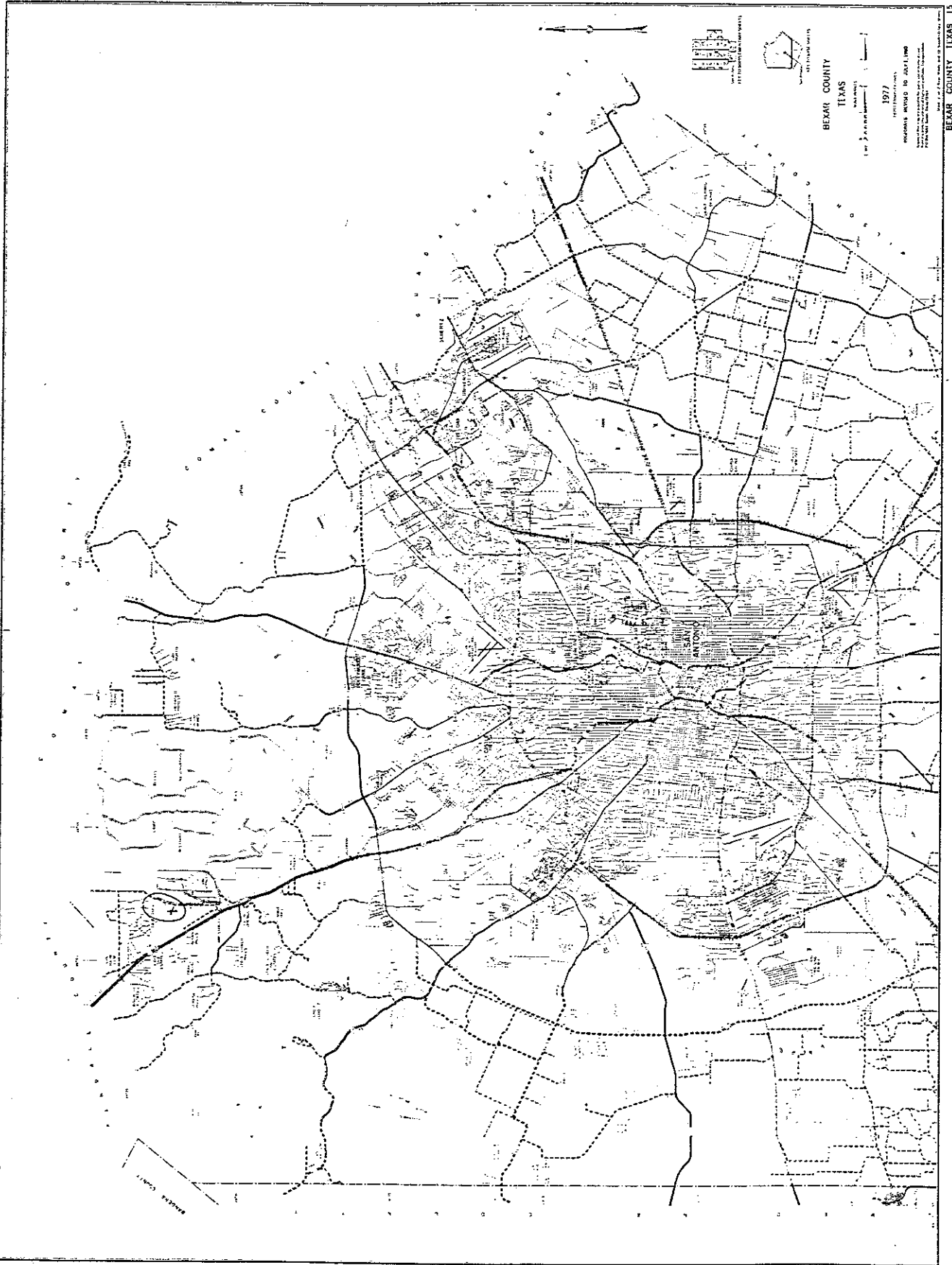
Signed: Charlie Junek (Licensed Water Well Driller) (Signed) [Signature] (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TDWR use only Well No. 68-19-6EE Located on map YB5C-F-5

RECEIVED DEC-7-1984 DEPT. OF WATER RESOURCES



*Arvo Reidre Well - Jackson Woods Subdivision*



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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-6

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-6EE
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	26540 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285066
<i>Longitude (UTM):</i>	535337
<i>Elevation (Feet MSL):</i>	1268

## WELL COMPLETION DATA

<i>Date Drilled:</i>	07-Oct-83
<i>Well Depth (feet bgs):</i>	525
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	160
<i>Well Diameter (inches):</i>	6-1/8
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	20
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	320 07-Oct-83
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek

## OTHER NOTES

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Bernhard Construction Co. Address Route 4, Box 4770 Boerne, Texas 78006

2) LOCATION OF WELL: County Bexar 2 miles in North direction from Leon Springs

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines... Legal description: Section No. Block No. Township Jackson Woods

3) TYPE OF WORK (Check): 4) PROPOSED USE (Check): 5) DRILLING METHOD (Check):

6) WELL LOG: DIAMETER OF HOLE 7) BOREHOLE COMPLETION:

Table with 5 columns: From (ft.), To (ft.), Description and color of formation material, Dia. (in.), New or Used, Steel, Plastic, etc., Setting (ft.), Gage Casing Screen

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: CEMENTING DATA

9) WATER LEVEL: Static level 320 ft. below land surface

10) PACKERS: Type Depth

11) TYPE PUMP: 102S2025B 2hp Webtrol

13) WATER QUALITY: Did you knowingly penetrate any strata which contain... RECEIVED JUL 2 1984

I hereby certify that this well... WATER RESOURCES COMPANY NAME H. W. Schwobe & Sons, Inc.

ADDRESS PO Box 364 Boerne Texas 78006 (Signed) H. W. Schwobe

Please attach electric log, chemical analysis, and other pertinent information, if available. For TDWR use only Well No. 58-17-6EE

MAP #6

#13

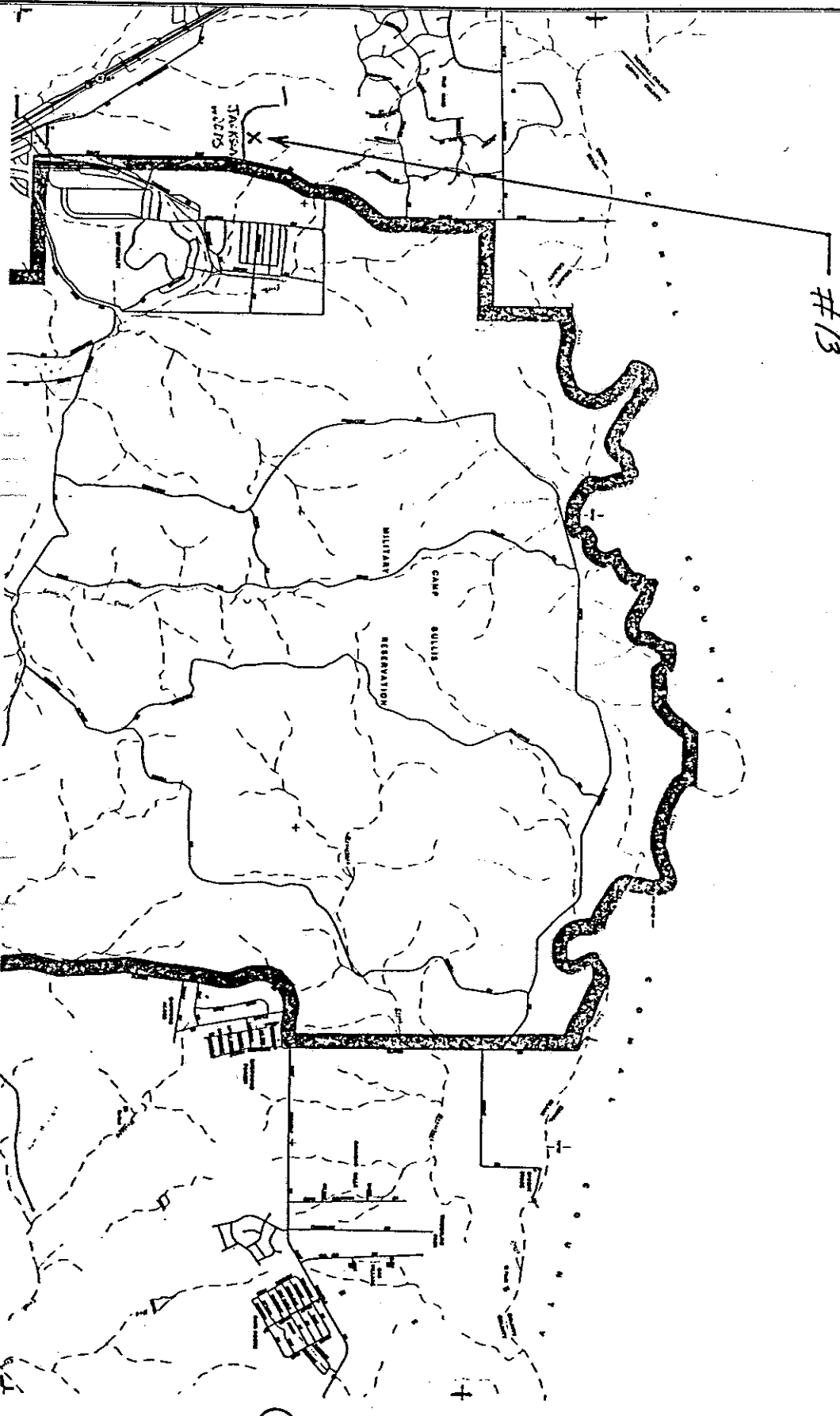
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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-7

---

### PHYSICAL DESCRIPTION

---

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	26541 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3284842
<i>Longitude (UTM):</i>	535403
<i>Elevation (Feet MSL):</i>	1255

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### WELL COMPLETION DATA

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<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

---

### OTHER NOTES

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No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-8

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-629
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	same
<i>Physical Address:</i>	26531 Fawn Mountain
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3284954
<i>Longitude (UTM):</i>	535466
<i>Elevation (Feet MSL):</i>	1270

## WELL COMPLETION DATA

<i>Date Drilled:</i>	08-Jul-91
<i>Well Depth (feet bgs):</i>	550
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	187
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	60
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	274 08-Jul-91
<i>Production Zone(s):</i>	Glen Rose/Hensell/Cow Creek*

## OTHER NOTES

Geophysical survey conducted on July 3, 1991.

ATTENTION OWNER: Confidentiality  
Privilege Notice on Reverse Side

State of Texas  
WELL REPORT

Texas Water Well Drillers Board  
P.O. Box 13087  
Austin, Texas 78711

Ray Anders Custom Builder

1) OWNER Ed Poetschke c/o ADDRESS 12626 Blanco Road, #2306, San Antonio  
(Name) (Street or RFD) (City) Texas (State) (Zip) 78216

2) LOCATION OF WELL:  
County Bexar 2 miles in NE direction from Leon Springs  
(NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:  
Section No. Lot No. 28 Township \_\_\_\_\_ Abstract No. \_\_\_\_\_ Survey Name Jackson Woods  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

SEE ATTACHED MAP # 1 26531 FAUN MTR.

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging

4) PROPOSED USE (Check):  
 Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  De-Watering

5) DRILLING METHOD (Check):  
 Mud Rotary  Air Hammer  Jetted  Bored  Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:  
Date Drilling: 6-28 1991  
Started 7-8 1991  
Completed \_\_\_\_\_

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
8 3/4	Surface	187
6"	187	550

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give Interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen
						From	To	
0-1		topsoil & loose rock						
1-4		yellow marly caliche						
4-6		cream colored lime & caliche	6	5/8	steel casing	0	187	
6-12		cream colored caliche			156 wall 189"			
12-13		brownish yellow clay						
13-16		cream colored caliche						
16-18		gray lime & shale						
18-21		blue gray shale						
21-22		cream colored lime						
22-47		gray shale & lime						

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

9) CEMENTING DATA [Rule 287.44(1)]  
Cemented from 0 ft. to 187 ft. No. of Sacks Used 1,50 yds.  
\_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
Method used 8-sk grout  
Cemented by H. W. Schwope & Sons, Inc.

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 287.44(2)(A)]  
 Pitless Adapter Used [Rule 287.44(3)(B)]  
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL:  
Static level: 74 ft. below land surface Date \_\_\_\_\_  
Artesian level: \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS:  
Type \_\_\_\_\_ Depth \_\_\_\_\_

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

14) WELL TESTS:  
Type Test:  Pump  Baller  Jetted  Existing  
Yield: 60 gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_

15) WATER QUALITY:  
Did the drilling penetrate any strata which contained undesirable constituents?  
 Yes  No If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

TEXAS WATER WELL DRILLERS BOARD

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME H. W. Schwope & Sons, Inc. WELL DRILLER'S LICENSE NO. 1568  
(Type or print)

ADDRESS PO Box 364 Boerne Texas 78006  
(Street or RFD) (City) (State) (Zip)

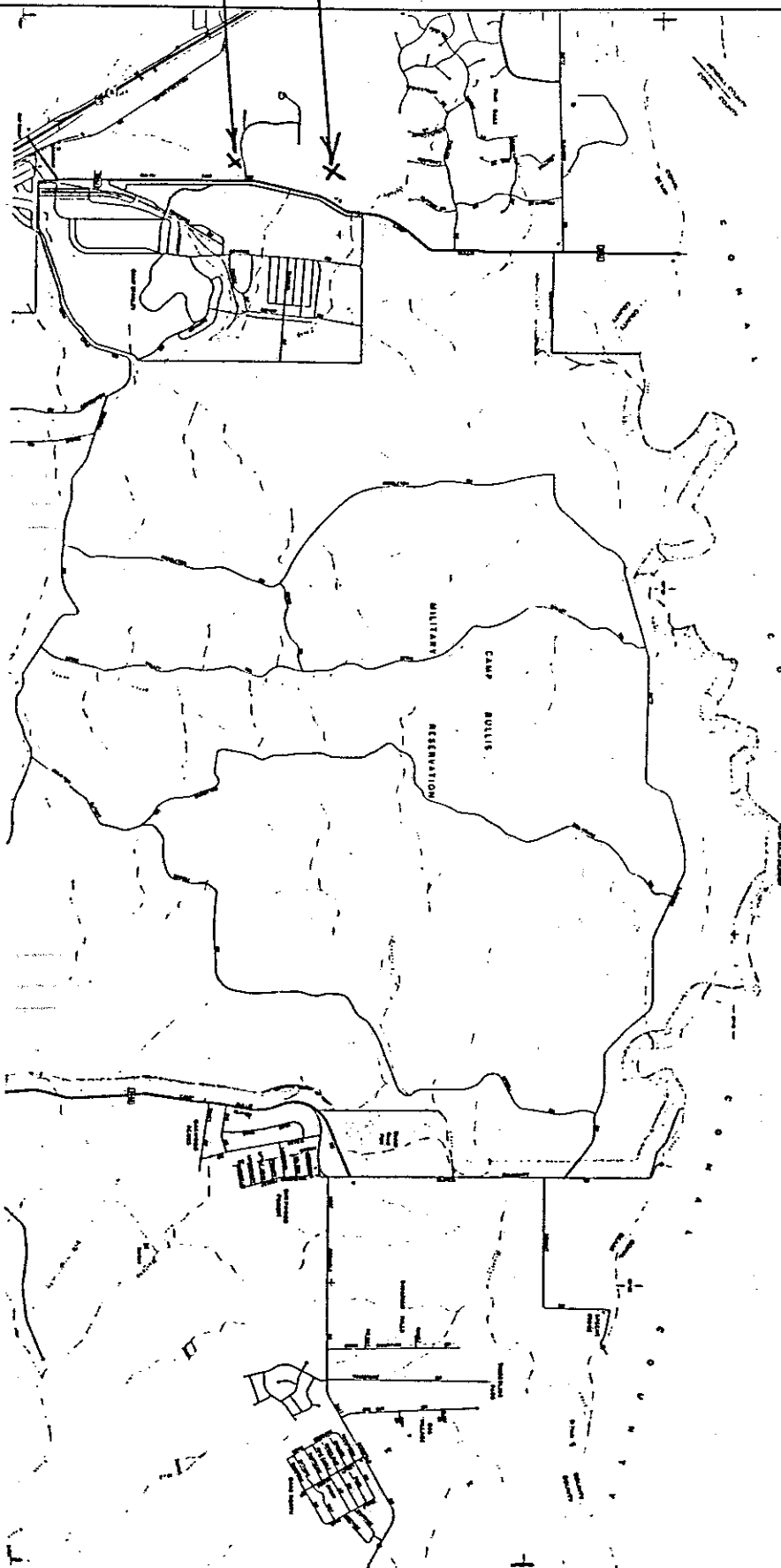
(Signed) George Schwope (Signed) \_\_\_\_\_  
(Licensed Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

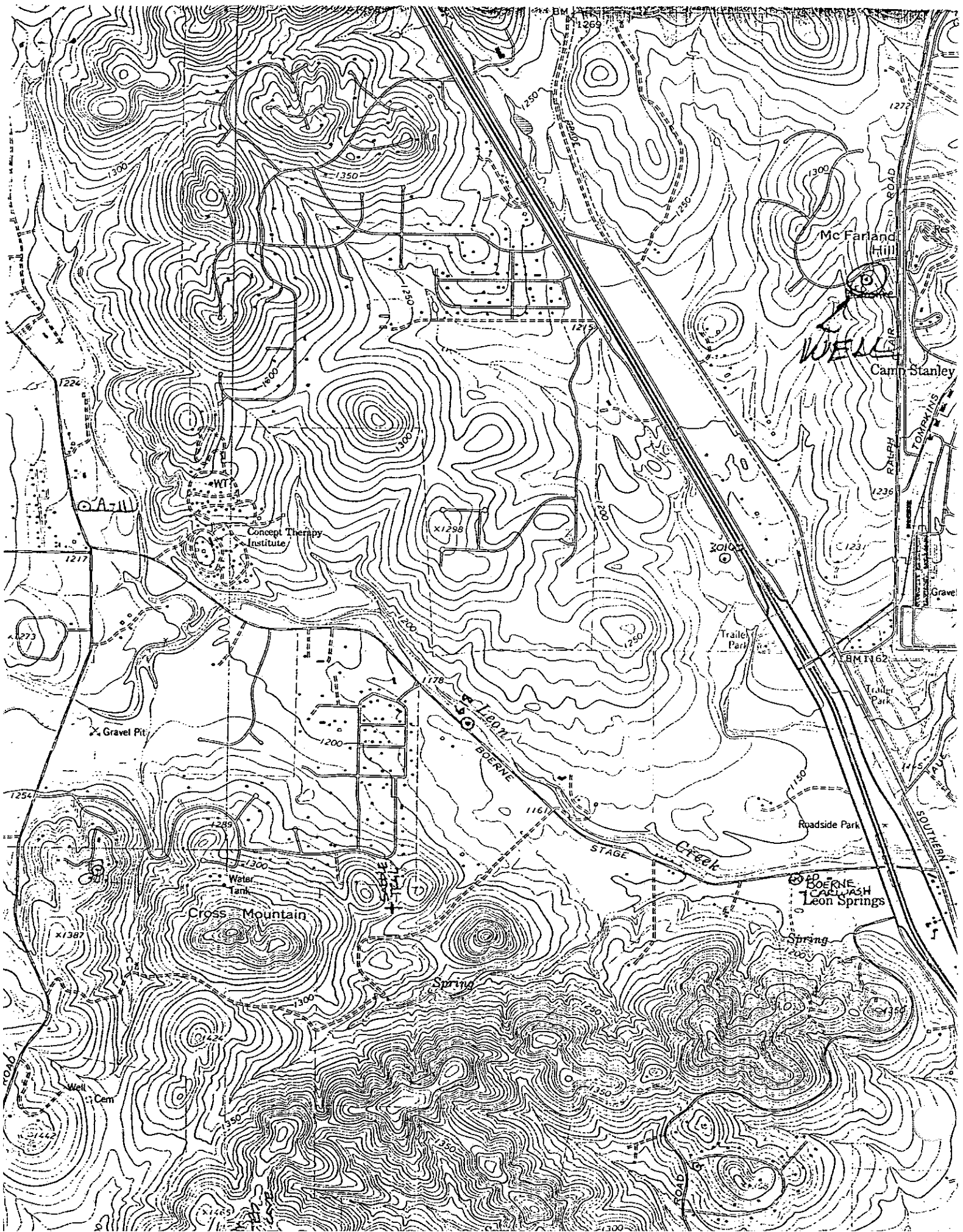
For TWC use only: Well No. \_\_\_\_\_ Located on map 48-19-6

4802903132

#1  
#10



1977  
CAR COUNTY TEXAS



EDWARDS UNDERGROUND WATER DISTRICT  
NATURAL GAMMA AND CASING COLLAR LOG

DATE: 03 JULY 61  
WELL NO: AY 68-19-5  
TOWNSHIP: 28-41-40  
OPER: ED PORTCHKE

WELL DEPTH: 549.8 (BELOW LSD)  
LONGITUDE: 98-38-02 (D-M-S)

LOCATION: 0.5 miles from EAST edge and 3.9 miles from NORTH edge of  
MAP AY 68-19.

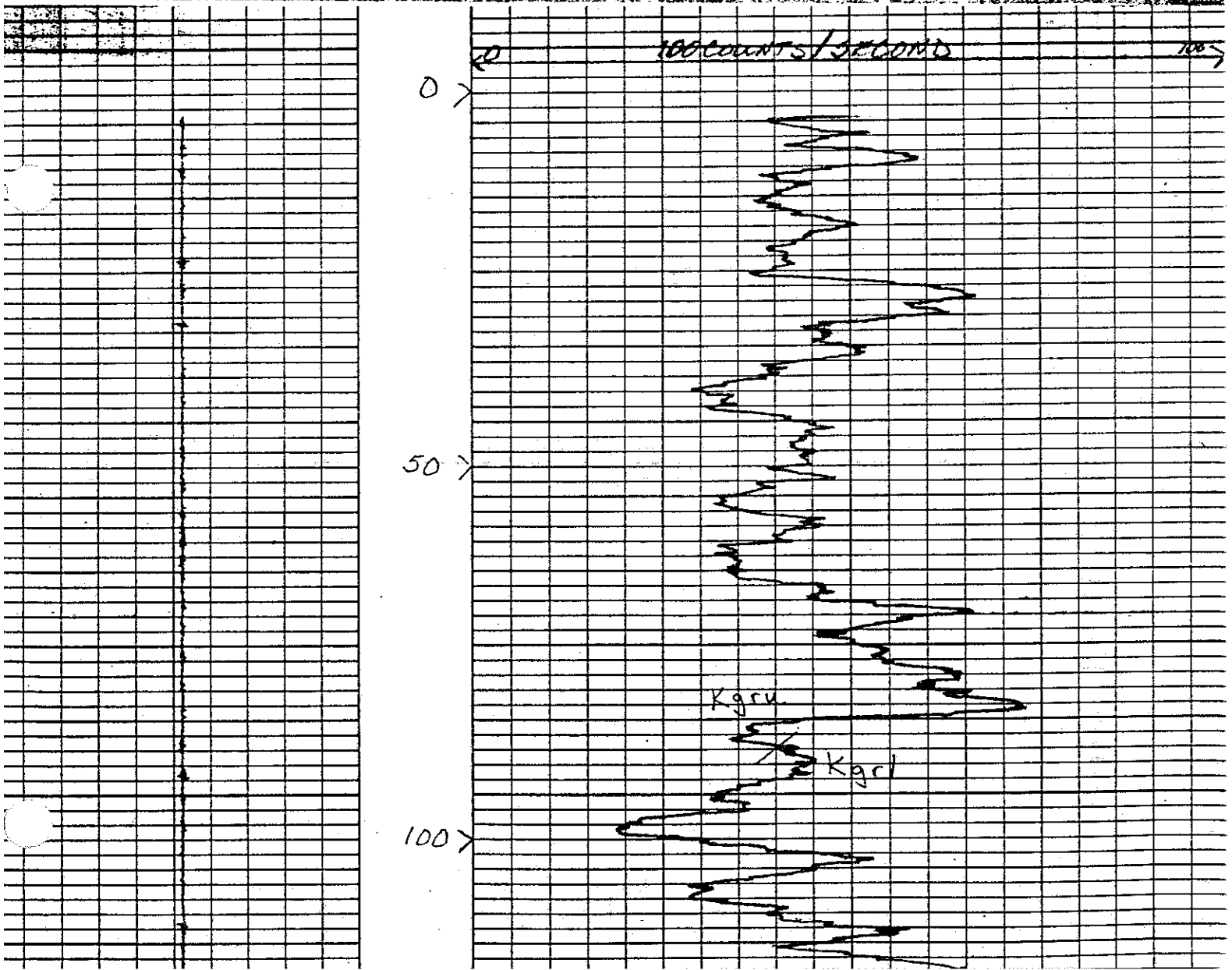
DRILLER: SCHWOPE & SONS DRILLING METHOD: AIR ROTARY  
CASING: (1) DIA: 6 5/8 FROM: 0.0 TO: 189.0 (DIA=ID in INCHES)  
(2) DIA: FROM: TO: (DEPTHS = FEET)  
HOLE: (1) DIA: 6.0 FROM: 189.0 TO: 549.8  
(2) DIA: FROM: TO:

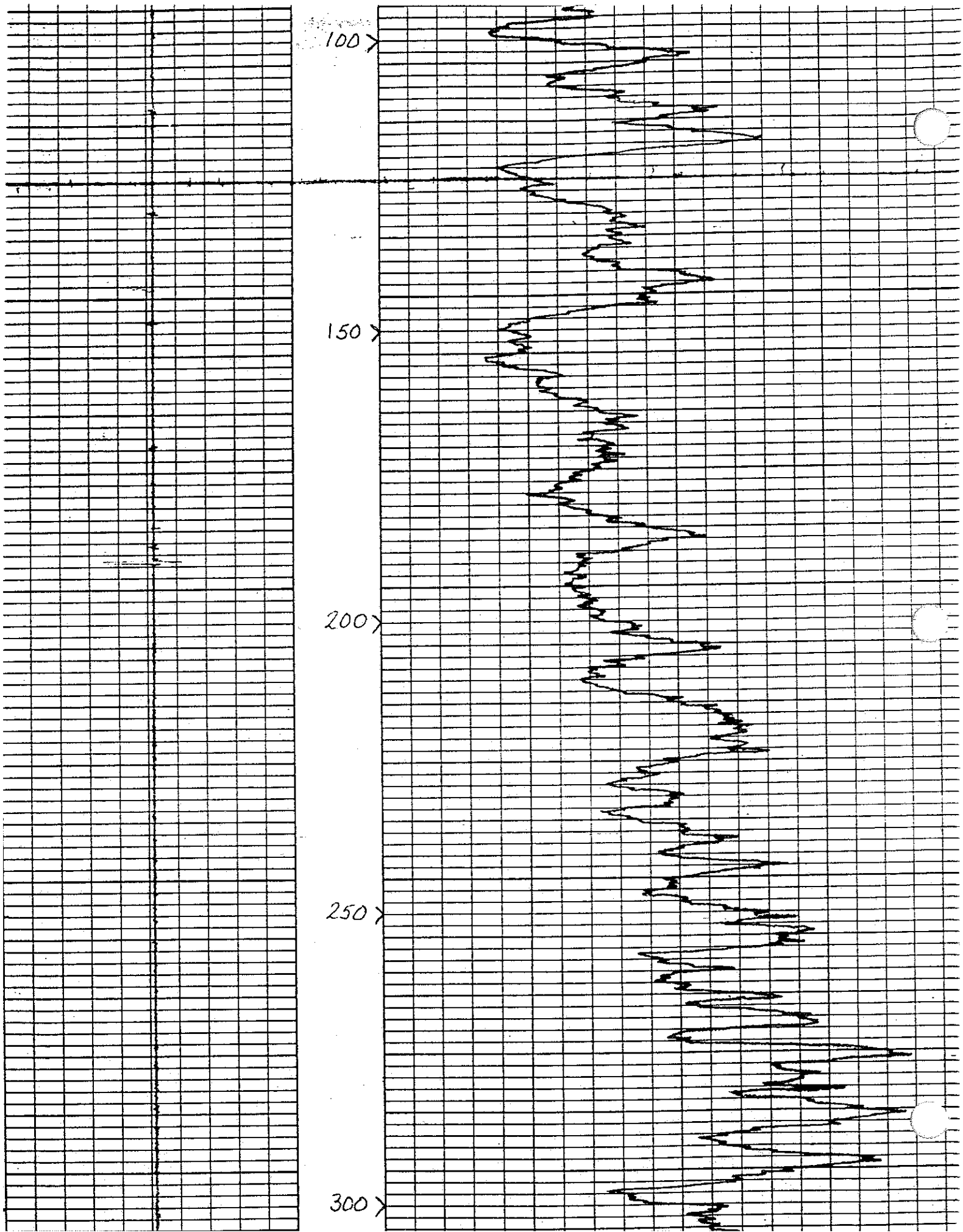
LOG OPERATOR: JAO LOG MP: 1.7 LOG TD: 548.0 LSD: 1285.0  
GAMMA LOG: YES CALIPER LOG: YES ELECTRIC LOG: YES (LSD fr TOPO sht)

WATER LEVEL (below LSD): 174.0  
LOG SPEED: 30 (FT/MIN) VERTICAL SCALE: 5 (INCHES/100FT)  
TIME CONSTANT: 2 COUNTS/SECOND: 100 / 20 (CHART DIVISIONS)

COMMENTS: LOGGED NEW DOMESTIC WELL.

CASING COLLAR LOG	DEPTH	GAMMA LOG RADIATION INCREASES COUNTS/SECOND
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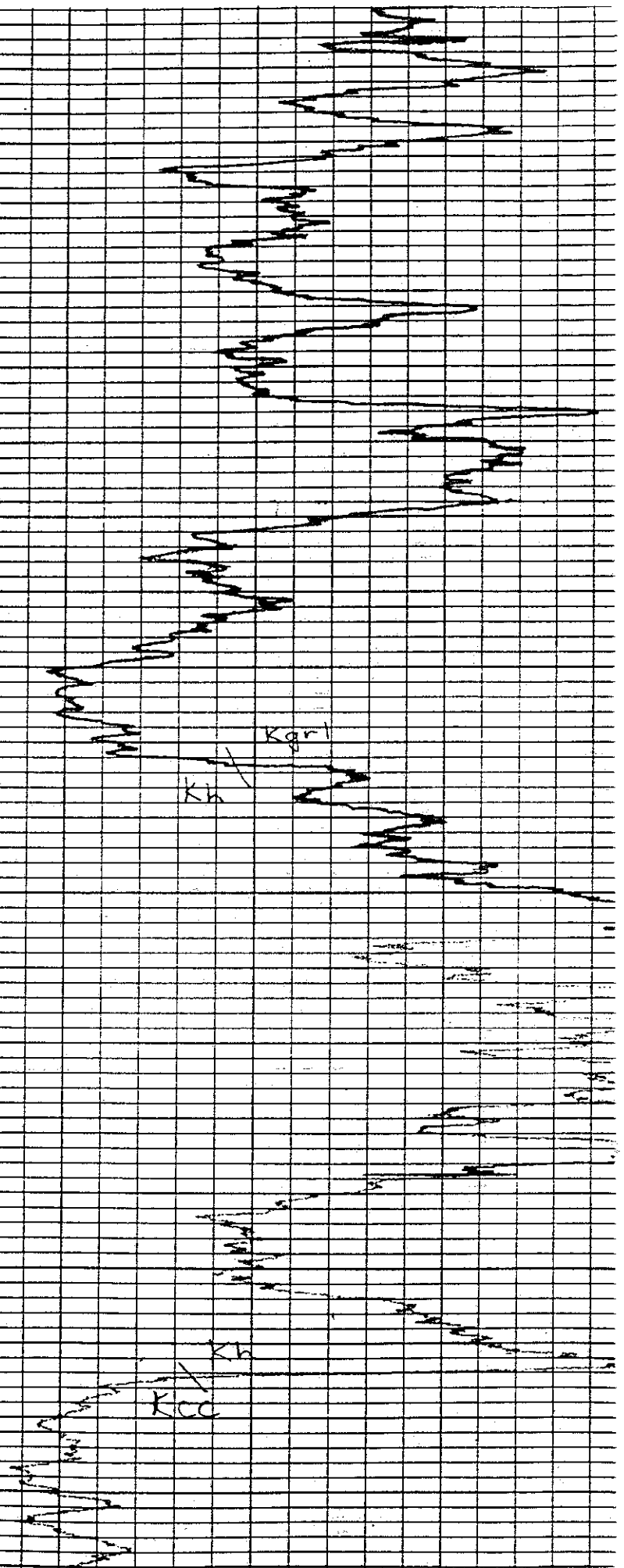


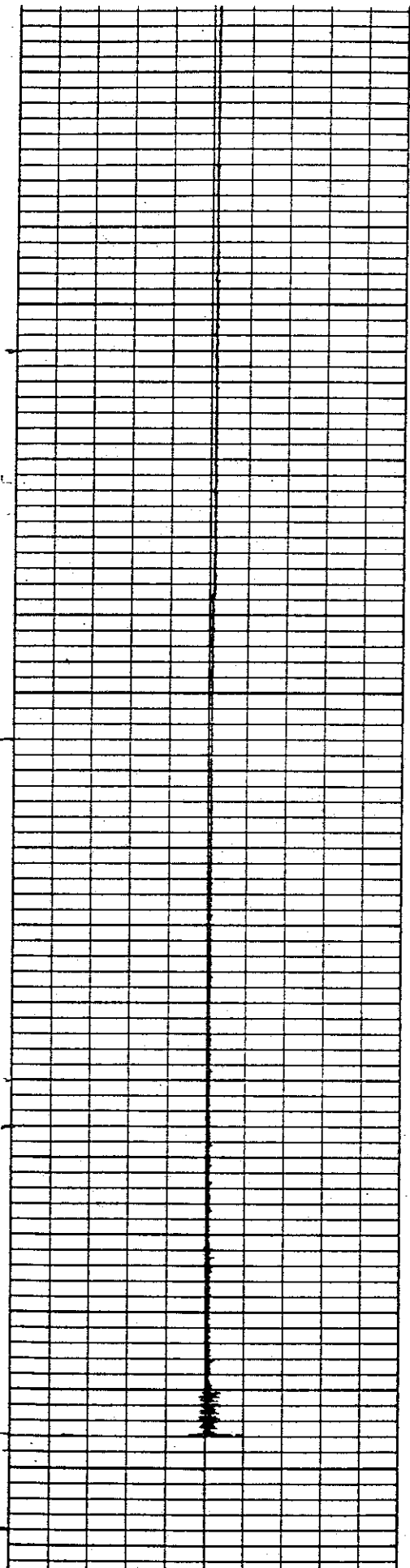
300 >

350 >

400 >

450 >



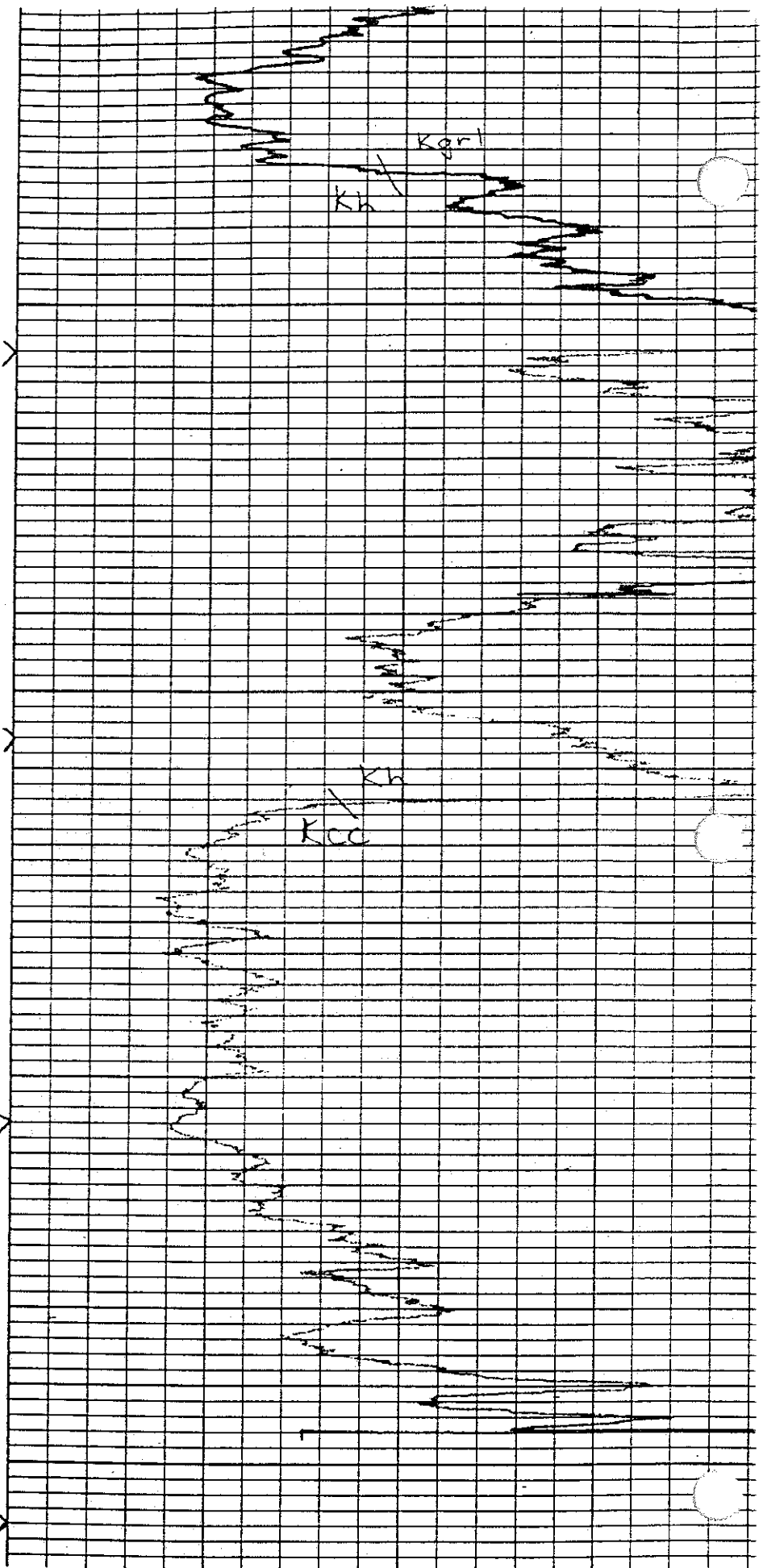


400 >

450 >

500 >

550 >





**ELECTRIC LOG**

DATE: 03 JULY 91

WELL NO: AY 68-19-6

LATITUDE: 28-41-40

OWNER: ED POETCHKE

WELL DEPTH: 549.8

LONGITUDE: 98-38-02

(BELOW LSD)

(D-M-S)

LOCATION: 0.5 miles from EAST edge and 3.9 miles from NORTH edge of  
MAP AY 68-19.

DRILLER: SCHOWPE AND SONS

DRILLING METHOD: AIR ROTARY

CASING: (1) DIA: 6 5/8 FROM: 0.0 TO: 189.0 (DIA=ID in INCHES)  
(2) DIA: FROM: TO: (DEPTHS = FEET)

HOLE: (1) DIA: 6 FROM: 189.0 TO: 549.8  
(2) DIA: FROM: TO:

LOG OPERATOR: JAO LOG MP: 1.7 LOG TD: 548.0 LSD: 1285.0

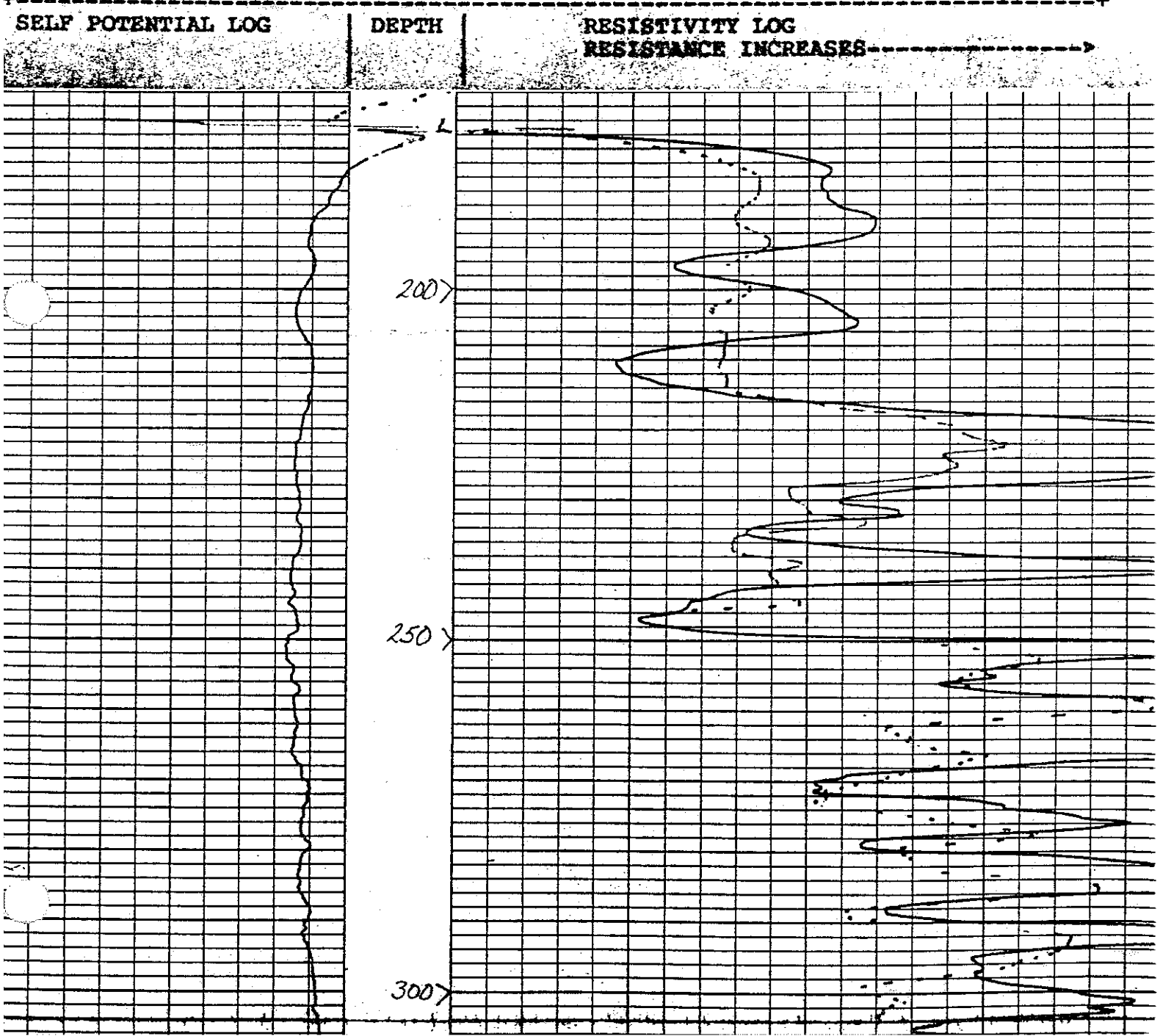
GAMMA LOG: YES CALIPER LOG: YES ELECTRIC LOG: YES (LSD fr TOPO sht)

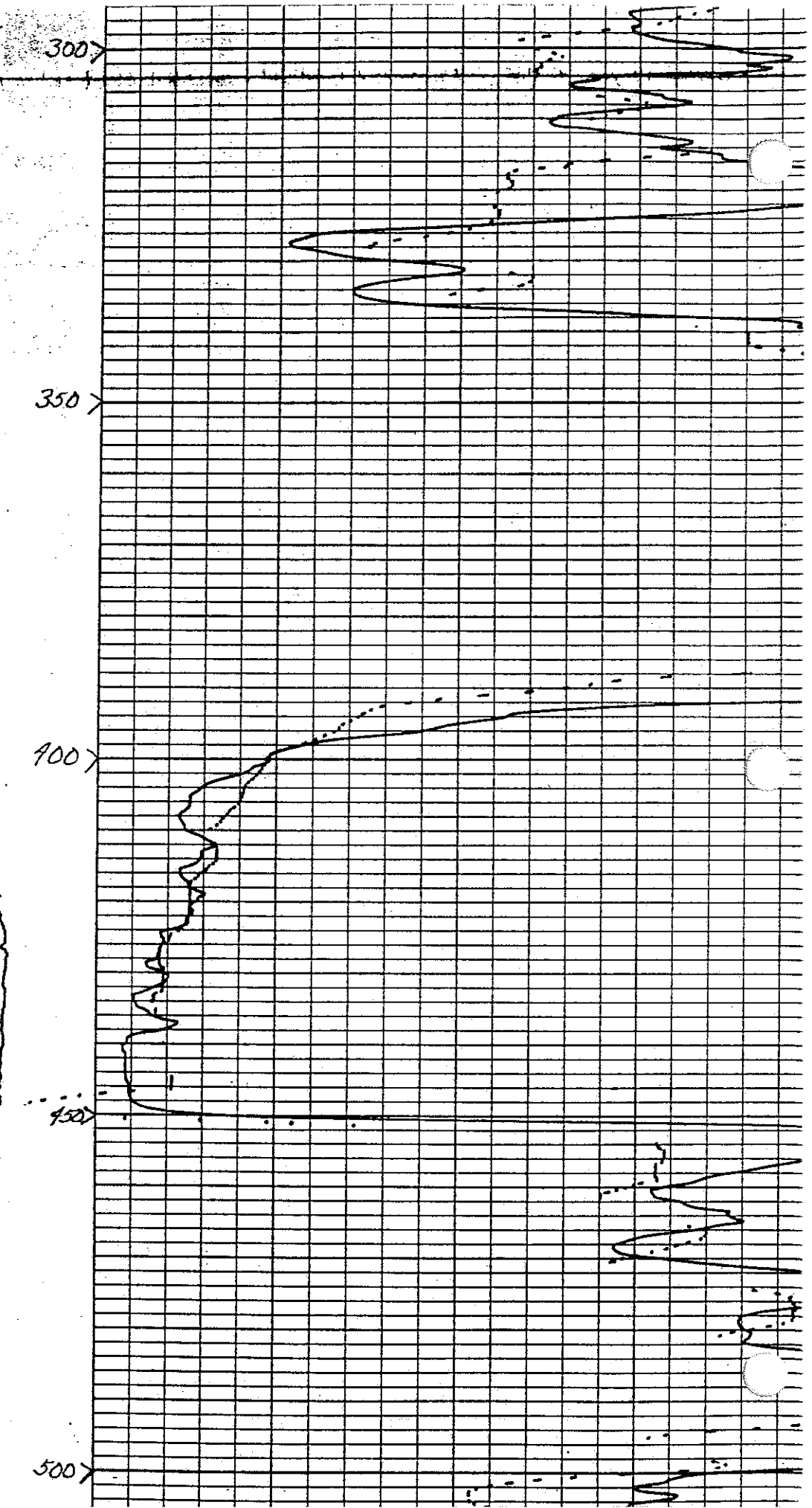
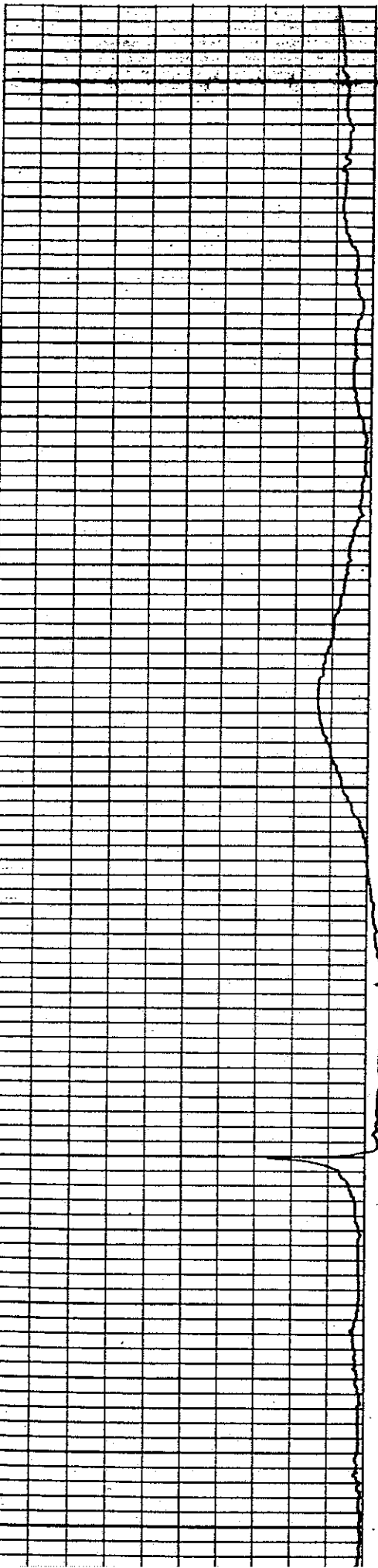
WATER LEVEL (below LSD): 174.0

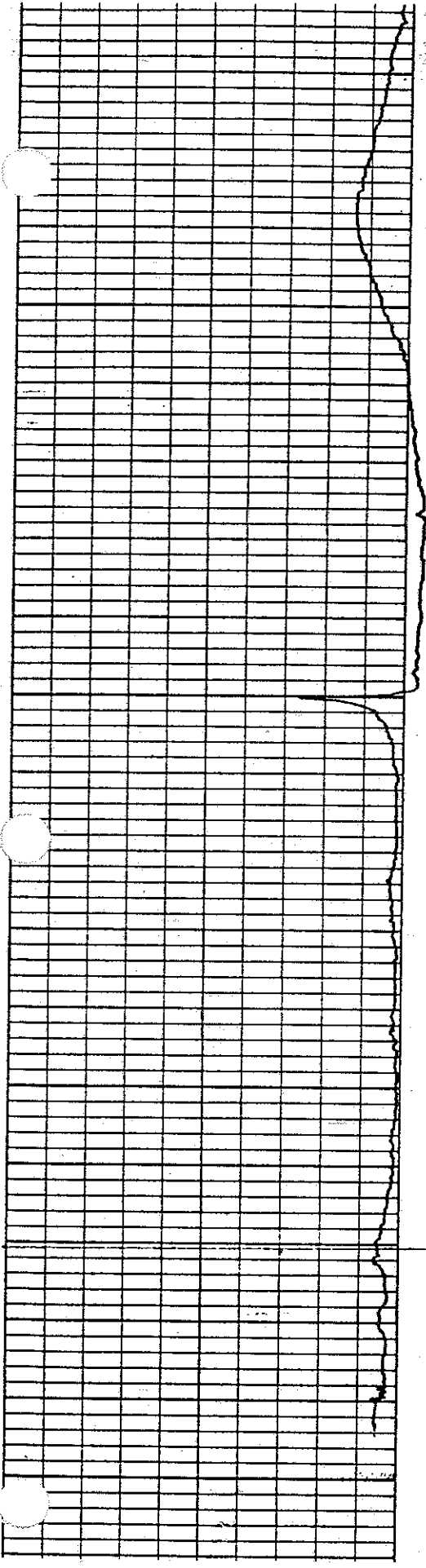
LOG SPEED: 30 (FT/MIN) VERTICAL SCALE: (INCHES/100FT)

SELF POTENTIAL SCALE: 100 (MV)

RESISTIVITY SCALE: 100x1 (OHM-M) DOTTED LINE = 64"; SOLID LINE = 16" NORM





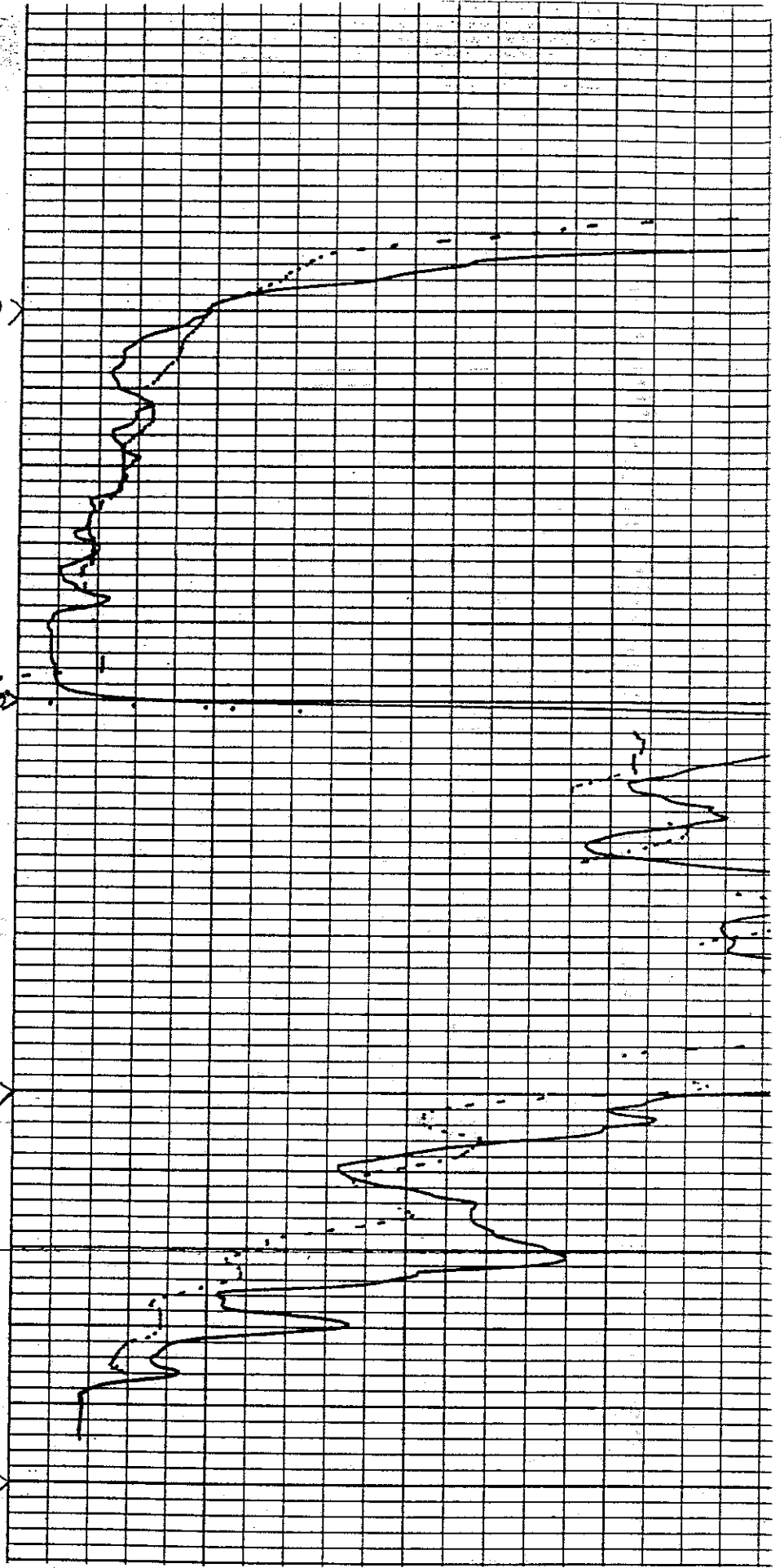


900

950

500

550

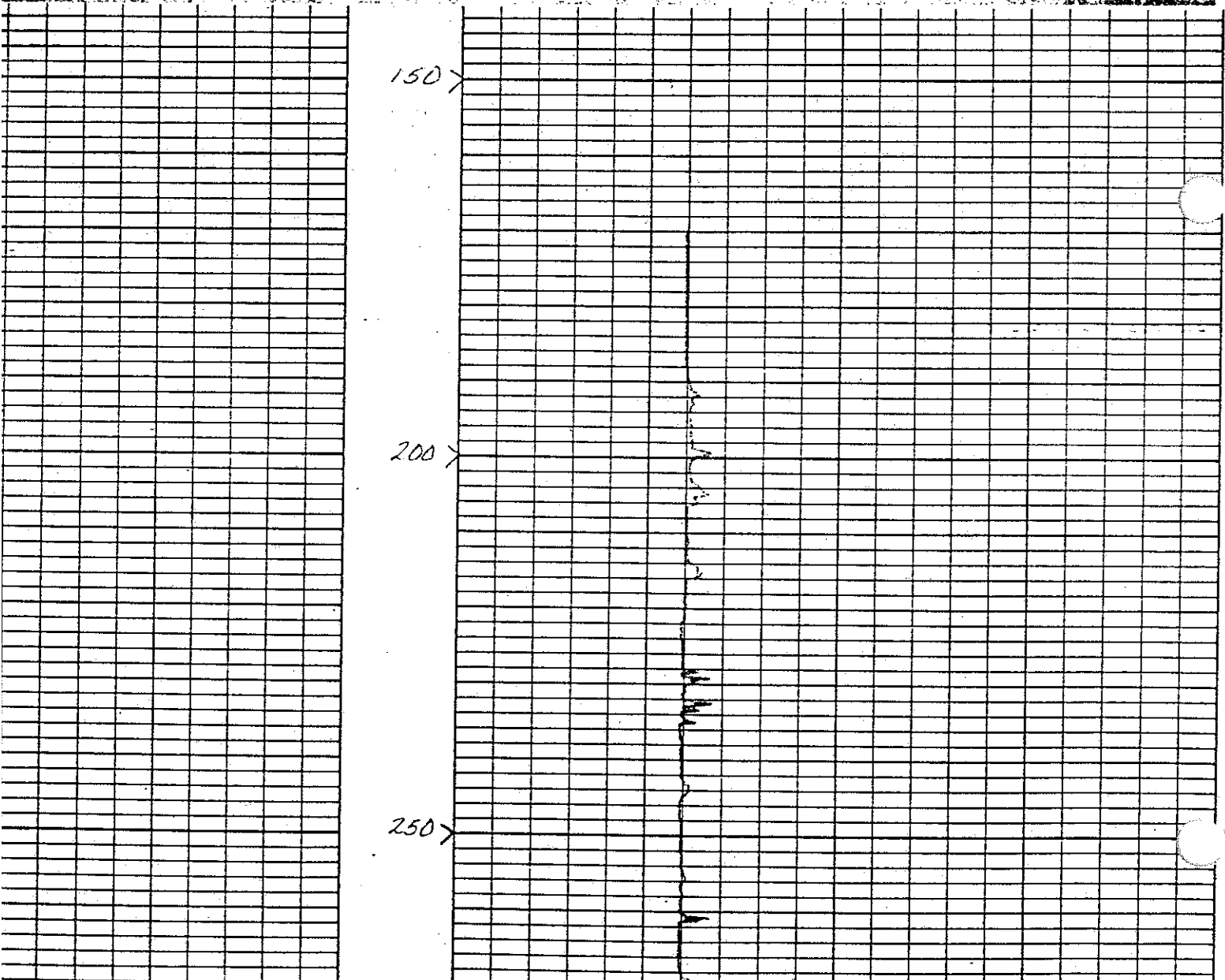


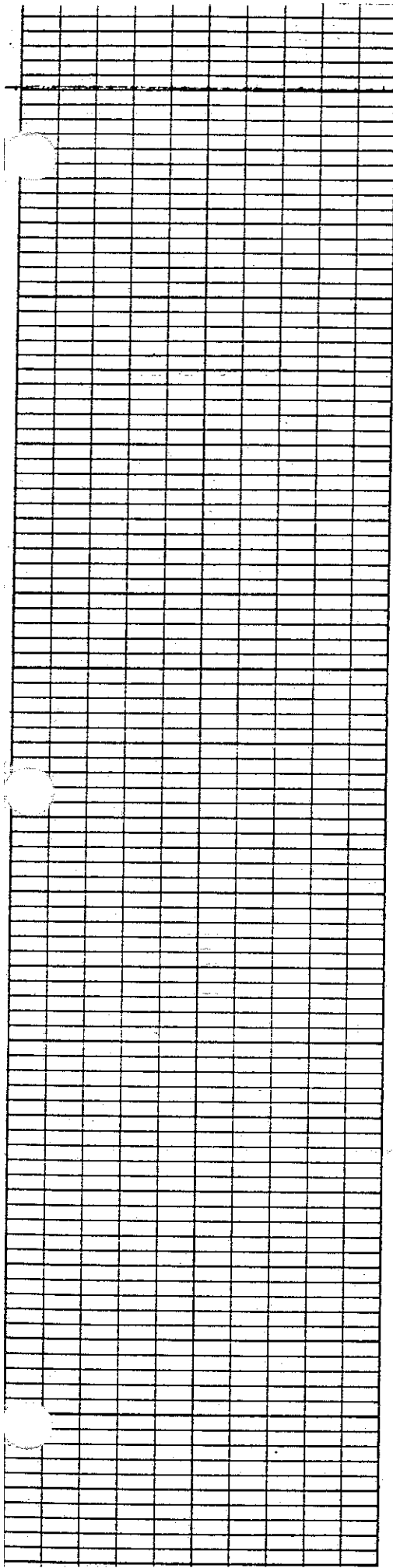
----- EDWARDS UNDERGROUND WATER DISTRICT -----  
**CALIPER LOG**

DATE: 03 JULY 91  
WELL NO: AY 68-19-6                      WELL DEPTH: 549.8                      (BELOW LSD)  
LATITUDE: 28-41-40                      LONGITUDE: 98-38-02                      (D-M-S)  
OWNER: ED POETCHKE  
LOCATION: 0.5 miles from EAST edge and 3.9 miles from NORTH edge of  
          MAP AY 68-19.  
DRILLER: SCHOWPE AND SONS                      DRILLING METHOD: AIR ROTARY  
CASING: (1) DIA: 6 5/8                      FROM: 0.0                      TO: 189.0                      (DIA-ID in INCHES)  
          (2) DIA:                      FROM:                      TO:                      (DEPTHS = FEET)  
HOLE: (1) DIA: 6                      FROM: 189.0                      TO: 549.8  
          (2) DIA:                      FROM:                      TO:  
LOG OPERATOR: JAO                      LOG MP: 1.7                      LOG TD: 548.0                      LSD: 1285.0  
GAMMA LOG: YES                      CALIPER LOG: YES                      ELECTRIC LOG: YES                      (LSD fr TOPO sht)  
WATER LEVEL (below LSD): 174.0  
LOG SPEED: 30                      (FT/MIN)                      VERTICAL SCALE:                      (INCHES/100FT)  
CALIPER CALIBRATED FROM: 6                      TO: 10                      (INCHES)  
COMMENTS: New domestic well.

DEPTH

CALIPER LOG  
DIAMETER OF HOLE INCREASES----->



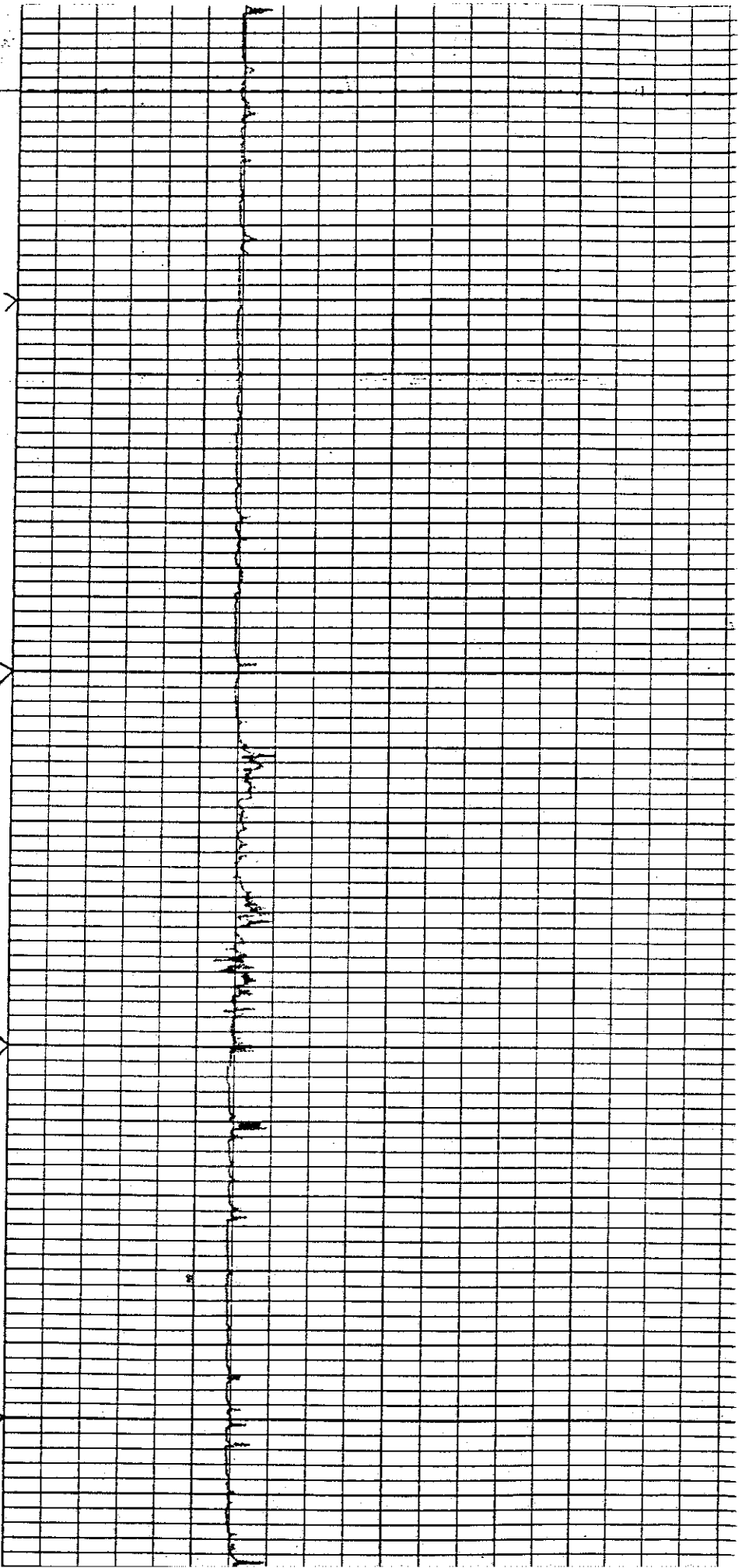


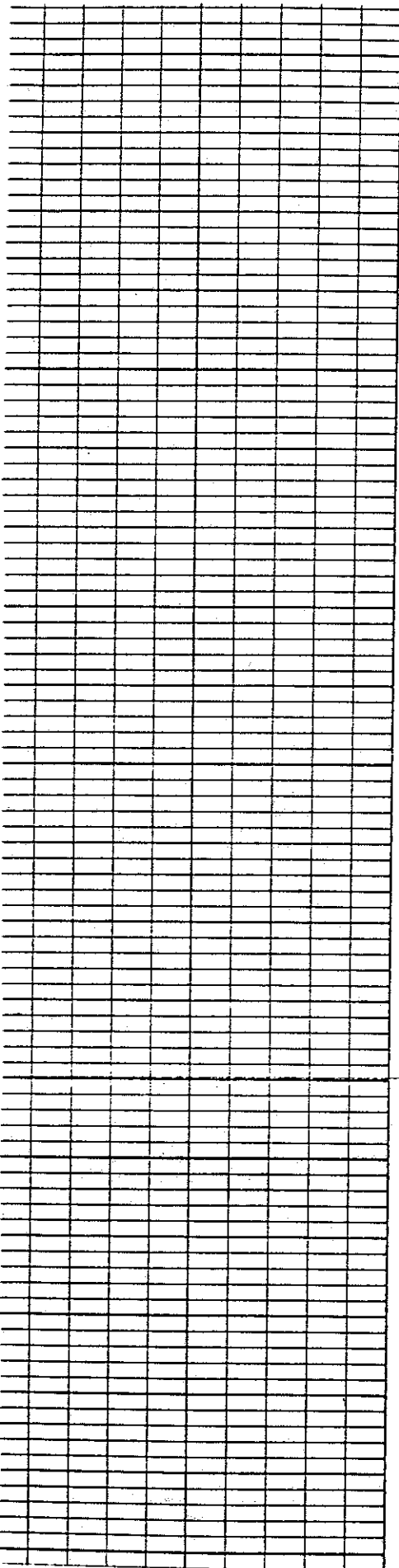
300

350

400

450



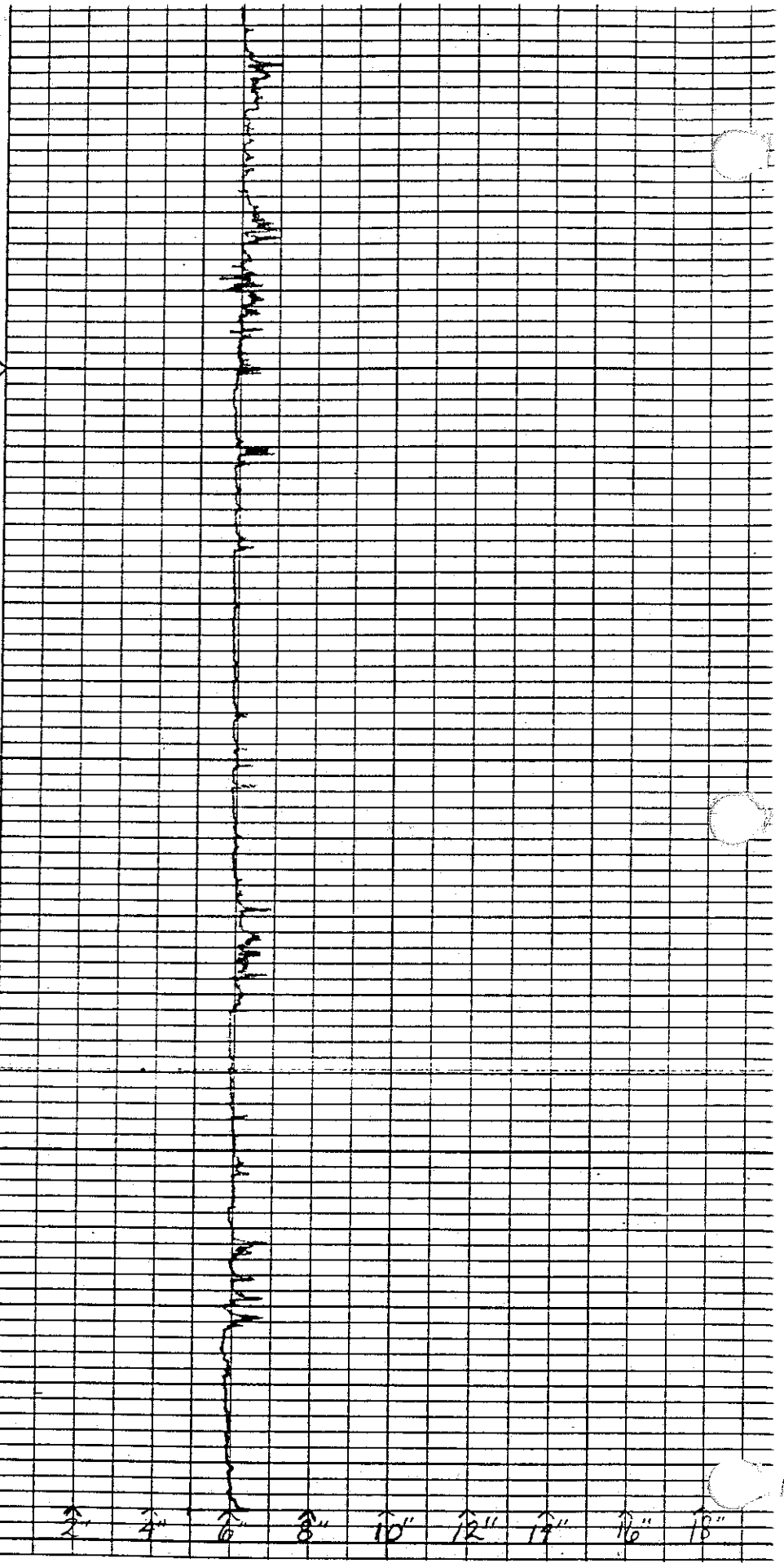


400

450

500

550



2 4 6 8 10 12 14 16 18

# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: JW-9

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	26455 Ralph Fair Road
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285025
<i>Longitude (UTM):</i>	535571
<i>Elevation (Feet MSL):</i>	1312

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: JW-10

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### PHYSICAL DESCRIPTION

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<i>State ID Number</i>	68-19-6
<i>Current Owner:</i>	Not Matched
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	N/A
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285190
<i>Longitude (UTM):</i>	535512
<i>Elevation (Feet MSL):</i>	

---

### WELL COMPLETION DATA

---

<i>Date Drilled:</i>	26-Aug-91
<i>Well Depth (feet bgs):</i>	450
<i>Casing Diameter (inches):</i>	5
<i>Casing Depth (feet bgs):</i>	250
<i>Well Diameter (inches):</i>	7-7/8
<i>Pump Depth (feet bgs):</i>	360

<i>Well Yield (gpm):</i>	35
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	250 26-Aug-91
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek

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### OTHER NOTES

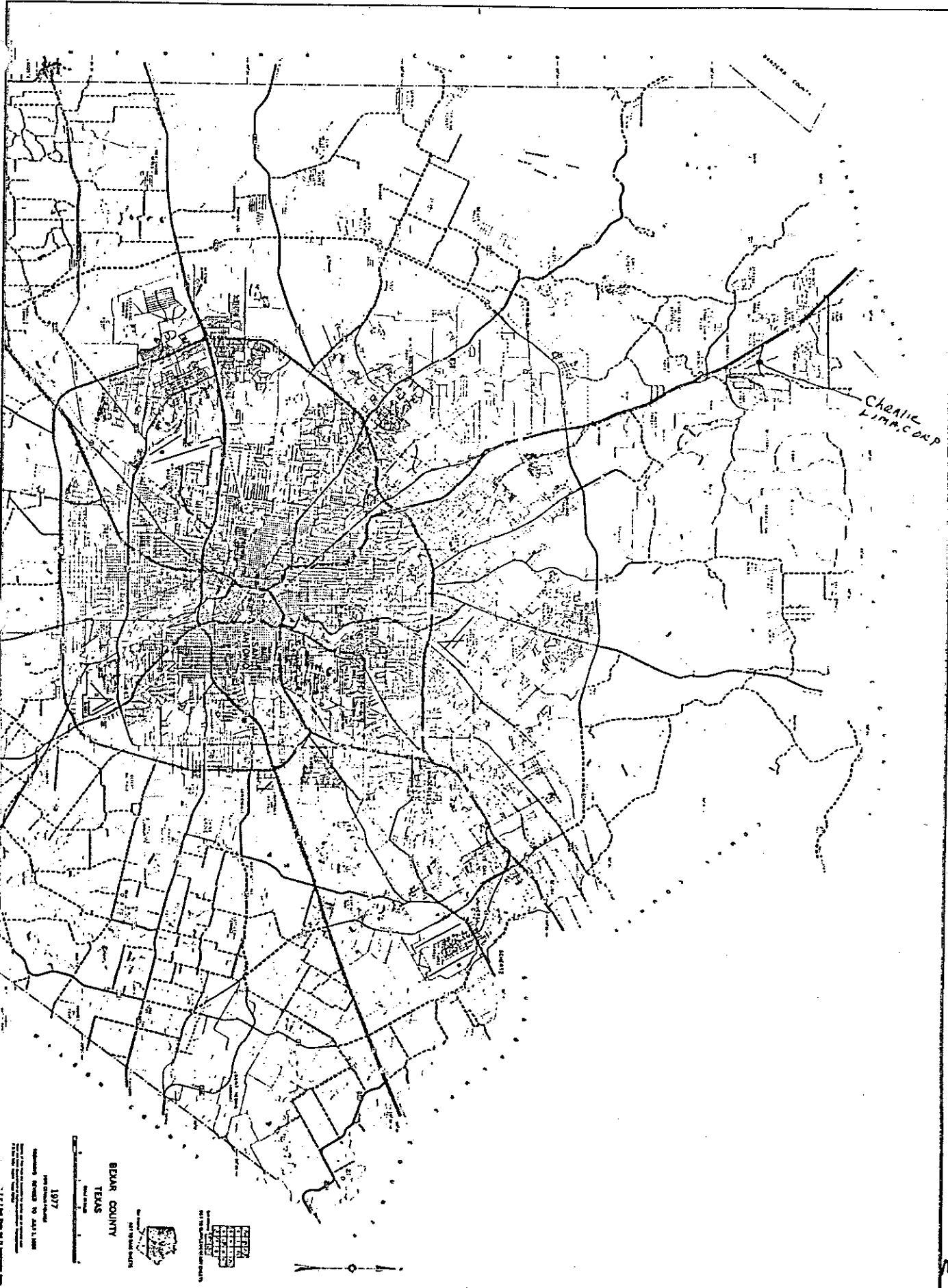
---

Single-cased well with perforated casing from 250' to 450'. Driller log indicates water at 260' and 415'.

---

ATTENTION OWNER: Confidentially Please Print Name on Reverse Side		<b>State of Texas WELL REPORT</b>		Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711	
1) OWNER <u>Charlie Lima Corp.</u>		ADDRESS <u>24123 Boerne Stage Rd. #320</u>			
(Name)		(Street or RFD)		(City)	(Zip)
2) LOCATION OF WELL: County <u>Bexar</u> <u>3 1/2</u> miles in <u>W.</u> direction from <u>Leon Springs, Tex.</u>		San Antonio, Tex. <u>78255</u> (Town)			
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.					
<input type="checkbox"/> LEGAL DESCRIPTION: <u>10.043 Acres Of Land Out Of Survey #29 Bexar County Texas</u>					
Section No. _____		Block No. _____		Township _____	
Abstract No. <u>528</u>		Survey Name <u>T.M. McCullock</u>			
Distance and direction from two intersecting section or survey lines _____					
<input checked="" type="checkbox"/> SEE ATTACHED MAP					
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering		5) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____	
6) WELL LOG: Date Drilling: _____ Started <u>8-23</u> <u>1991</u> Completed <u>8-26</u> <u>1991</u>		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) <u>77/8</u> Surface <u>450</u>		7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other <u>Cased To Bottom</u> If Gravel Packed give interval ... from _____ ft. to _____ ft.	
From (ft.) To (ft.)		Description and color of formation material		8) CASING, BLANK PIPE, AND WELL SCREEN DATA:	
Surface-3' Black Soil				Dia. (in.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial Setting (ft.) From To Gage Casing Screen	
3'-27' Rock, Caliche				5 N Sch. 40 PVC 18" A.G. -450'	
27'-41' Med. Gray Sandstone				Perforated Last 200'	
41'-120' Rock, Caliche					
120'-275' Med. Gray Sandstone					
275'-400' Light Gray Sandstone					
400'-410' Dark Gray Sandstone					
410'-420' Med. Gray Sandstone					
420'-450' Rock, Med. Gray Sandstone					
1st. Water At 260' App. 36 G.P.M.		9) CEMENTING DATA [Rule 287.44(1)] Cemented to <u>Surface</u> to <u>250</u> ft. No. of Sacks Used <u>App. 14 yds</u>			
2nd. Water At 415'		Method used <u>Hand Mix</u> Cemented by <u>D.K. Drilling Co.</u>			
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylindrical <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>360</u> '		10) SURFACE COMPLETION <input checked="" type="checkbox"/> Specified Surface Slab Installed [Rule 287.44(2)(A)] <input type="checkbox"/> Pileless Adapter Used [Rule 287.44(3)(B)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 287.71]			
14) WELL TESTS: Type Test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Jetted <input type="checkbox"/> Estimated Yield: <u>35</u> gpm with <u>10</u> ft. drawdown after <u>2</u> hrs.		11) WATER LEVEL: Static level <u>290</u> ft. below land surface Date <u>8-26-91</u> Artesian flow _____ gpm. Date _____			
15) WATER QUALITY: Did the drilling penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? <u>Glenrose</u> Depth of strata <u>200</u> Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		12) PACKERS: <u>5" Neopreme</u> Type _____ Depth <u>250'</u>			
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.					
COMPANY NAME <u>D.K. Drilling Co.</u>		WELL DRILLER'S LICENSE NO. <u>2045</u>			
(Type or print)					
ADDRESS <u>P.O. Box 998 Bandera, Texas 78003</u>					
(Street or RFD)		(City)		(State)	(Zip)
(Signed) <u>Dale Keith Sr.</u>		(Signed) _____ (Registered Driller Trainee)			
(Licensed Well Driller)					
Please attach electric log, chemical analysis, and other pertinent information, if available.					
				For TWC use only: Well No. _____ Located on map <u>68-15-6</u>	

480 2903137

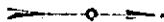


CHARLIE  
LIMACORP

1917  
JANUARY 1917  
RECORDED IN DEPT. 1, 1917  
BEXAR COUNTY TEXAS



THE  
SOUTH  
WESTERN  
SURVEYING  
AND  
ENGINEERING  
CORPORATION



MAP # 14

BEXAR COUNTY TEXAS 15

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: JW-11

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-6EE
<i>Current Owner:</i>	Not Matched
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	N/A
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285306
<i>Longitude (UTM):</i>	535381
<i>Elevation (Feet MSL):</i>	

### WELL COMPLETION DATA

<i>Date Drilled:</i>	02-Jul-84
<i>Well Depth (feet bgs):</i>	600
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	205
<i>Well Diameter (inches):</i>	6-1/4
<i>Pump Depth (feet bgs):</i>	441

<i>Well Yield (gpm):</i>	12
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	395 02-Jul-84
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek

### OTHER NOTES

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER E A Hermes Address 2335 Nashwood San Antonio Tx 78232

2) LOCATION OF WELL: County Bexar well located on Fawn Mountain, Jackson Woods Subdivision, off Ralph Fair Road.

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

3) TYPE OF WORK (Check): New Well, Deepening, Reconditioning, Plugging. 4) PROPOSED USE (Check): Domestic, Industrial, Public Supply, Irrigation, Test Well, Other. 5) DRILLING METHOD (Check): Mud Rotary, Air Hammer, Driven, Bored, Air Rotary, Cable Tool, Jetted, Other.

6) WELL LOG: Date drilled 07-02-84. DIAMETER OF HOLE table with columns for Dia. (in.), From (ft.), Surface, To (ft.). 7) BOREHOLE COMPLETION: Open Hole, Straight Wall, Underreamed, Gravel Packed, Other.

Table with 5 columns: From (ft.), To (ft.), Description and color of formation material, Dia. (in.), New or Used. Rows include Top soil, Yellow lime, Blue lime and shale, Brown lime, Blue shale and lime, Yellow lime, White lime, Brown lime, Yellow lime, Blue lime and shale, White lime, Brown lime, Blue shale.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: CEMENTING DATA. Cemented from 0 ft. to 205 ft. Method used Grout poured from top. Cemented by Charlie Junek Drilling.

9) WATER LEVEL: Static level 395 ft. below land surface. Date 07-02-84. Artesian flow gmw. Date.

10) PACKERS: Type rubber, Depth 205. RECEIVED stamp: AUG 29 1984.

11) TYPE PUMP: Turbine, Jet, Submersible, Cylinder, Other. Depth to pump bowls, cylinder, jet, etc., 441 ft.

12) WELL TESTS: Type Test, Pump, Bailor, Jetted, Estimated. Yield: 12 gpm with 0 ft. drawdown after 1 hrs. 13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? No. If yes, submit "REPORT OF UNDESIRABLE WATER". Type of water? Glenrose. Depth of strata 400-425. Was a chemical analysis made? No.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME Charlie Junek Drilling Water Well Driller's License No. 1683

ADDRESS 7206 Moss Creek San Antonio Texas 78238

(Signed) [Signature] (Licensed Water Well Driller) (Signed) [Signature] (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TDWR use only Well No. GB-19-10EE Located on map. U20 AM

MAP #10

S A Korman Jackson Woods



BEAR COUNTY TEXAS



1977

JAN COUNTY TEXAS

MAP#10

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: JW-12

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	26753 Ralph Fair Road
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285395
<i>Longitude (UTM):</i>	535529
<i>Elevation (Feet MSL):</i>	1290

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: JW-13

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### PHYSICAL DESCRIPTION

---

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	26743 Ralph Fair Road
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3285339
<i>Longitude (UTM):</i>	535535
<i>Elevation (Feet MSL):</i>	1290

---

### WELL COMPLETION DATA

---

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

---

### OTHER NOTES

---

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: JW-14

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### PHYSICAL DESCRIPTION

---

<i>State ID Number</i>	68-19-6
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	26435 Ralph Fair Road
<i>Location/Subdivision:</i>	Jackson Woods

<i>Latitude (UTM):</i>	3284803
<i>Longitude (UTM):</i>	535501
<i>Elevation (Feet MSL):</i>	1282

---

### WELL COMPLETION DATA

---

<i>Date Drilled:</i>	18-May-82
<i>Well Depth (feet bgs):</i>	425
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	202
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	300

<i>Well Yield (gpm):</i>	45
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	290 18-May-82
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek

---

### OTHER NOTES

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1.1m: SINL  
.5m: WIEL

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas WATER WELL REPORT

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER: BUDDY NICHOLS Address: Jackson Woods, Off Camp (City) (State) (Zip) 24 miles in N.W. direction from San Antonio, Stanley Rd. (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines... [ ] Legal description: Section No. Block No. Township Abstract No. Survey Name Distance and direction from two intersecting section or survey lines [X] See attached map.

3) TYPE OF WORK (Check): [X] New Well [ ] Deepening [ ] Reconditioning [ ] Plugging 4) PROPOSED USE (Check): [X] Domestic [ ] Industrial [ ] Public Supply [ ] Irrigation [ ] Test Well [ ] Other 5) DRILLING METHOD (Check): [X] Air Rotary [ ] Mud Rotary [ ] Air Hammer [ ] Driven [ ] Bored [ ] Cable Tool [ ] Jetted [ ] Other

6) WELL LOG: Date drilled 5/18/82 DIAMETER OF HOLE: 8 3/4" surface, 202' 6" 202' 425' 7) BOREHOLE COMPLETION: [X] Open Hole [X] Straight Wall [ ] Undrilled [ ] Gravel Packed [ ] Other If Gravel Packed give interval from ft. to ft.

Table with 5 columns: From (ft.), To (ft.), Description and color of formation material, Dia. (in.), New or Usrd, Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial, Setting (ft.) From, To, Gage Casing Screen. Rows include Top Soil, Brown & White Lime, Gray Lime, Light Gray & White Lime, etc.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Cemented from 0 ft. to 202' ft. Method used: Ready-Mix Slurry Cemented by: Schoenfeld (Company or Individual)

9) WATER LEVEL: Static level 290' ft. below land surface Date 5/18/82 Artesian flow 40-50 gpm. Date 5/19/82

RECEIVED MAR 31 1987

10) PACKERS: Type Depth NONE

11) TYPE PUMP: [ ] Turbine [ ] Jet [X] Submersible [ ] Cylinder [ ] Other Depth to pump bowls, cylinder, jet, etc., 300' ft.

12) WELL TESTS: NONE [ ] Type Test: [ ] Pump [ ] Bailer [ ] Jetted [X] Estimated Yield: 40-50 gpm with ft. drawdown after hrs.

13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? [ ] Yes [X] No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? Depth of strata Was a chemical analysis made? [ ] Yes [ ] No

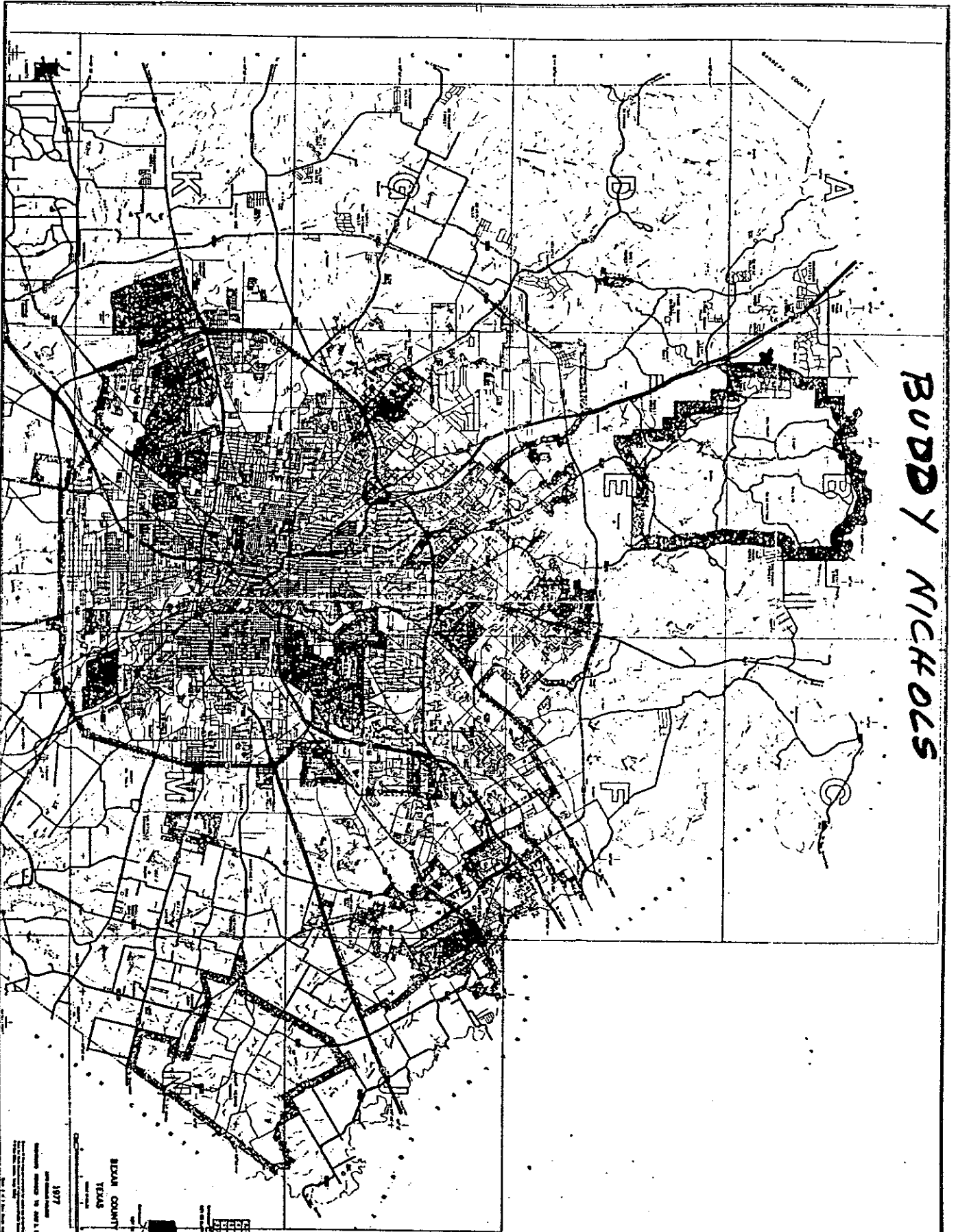
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME: HASKIN PUMP SERVICE, INC. Water Well Driller's License No. GLEN D. HASKIN, 2327 ADDRESS: 15403 CAPITAL PORT, SAN ANTONIO, TX 78249 (Signed) Glen D. Haskin (Licensed Water Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TDWR use only Well No. 68-19-6 Located on map

MAP #8

**Buddy Nickols**



BEVAN COUNTY TEXAS  
1977  
THE ALLIANCE OF REALTORS  
MEMBERSHIP  
OFFICE 1001 N. 10TH ST.  
DALLAS, TEXAS 75202

MADHD

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-1

---

## PHYSICAL DESCRIPTION

---

<i>State ID Number</i>	68-20-1
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	Private
<i>Physical Address:</i>	29202 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - East of Fair Oaks

<i>Latitude (UTM):</i>	3289071
<i>Longitude (UTM):</i>	536455
<i>Elevation (Feet MSL):</i>	1338

---

## WELL COMPLETION DATA

---

<i>Date Drilled:</i>	31-Jul-84
<i>Well Depth (feet bgs):</i>	560
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	302
<i>Well Diameter (inches):</i>	6-1/4
<i>Pump Depth (feet bgs):</i>	504

<i>Well Yield (gpm):</i>	10
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	320 01-Aug-84
<i>Production Zone(s):</i>	Cow Creek

---

## OTHER NOTES

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Currently operated as an Exxon Gas Station.

---

10111 JNL  
30  
51 E/WL

Please use black ink.  
Send original copy by  
certified mail to the  
Texas Department of Water Resources  
P. O. Box 13087  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Reno Schubert (Name) Address 418 Springwood San Antonio Tx 78214 (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County Bexar miles in North direction from San Antonio (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

Legal description: Camp Starling Road  
Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name Silverhills  
Distance and direction from two intersecting section or survey lines  
70' North by 100' East  
 See attached map.

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging  
4) PROPOSED USE (Check):  
 Domestic  Industrial  Public Supply  Irrigation  Test Well  Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  
 Air Rotary  Mud Rotary  Air Hammer  Driven  Bored  Cable Tool  Jetted  Other \_\_\_\_\_

6) WELL LOG:  
Date drilled 7-31-84  
DIAMETER OF HOLE  
Dia. (in.) From (ft.) To (ft.)  
8 3/4 Surface 300  
6 1/4 300 560

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material
0-2		Top Soil
2-10		Yellow (Chen Rose)
10-100		Grey
100-150		Yellow
150-450		Blue
450-530		Grey
530-560		Blue clay

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgt., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
7	N	Steel	0	300	280

9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 300 ft.  
Method used Poured  
Cemented by Braendle Water Well

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 320 ft. below land surface Date 8-1-84  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
Depth to pump bowls, cylinder, jet, etc., 504 ft.

1) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water?  Yes  No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

14) WELL TESTS:  
Type Test:  Pump  Bailor  Jetted  Estimated  
Yield: 10 gpm with 0 ft. drawdown after 1 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Braendle Water Well Water Well Driller's License No. 2206  
ADDRESS 12283 S.H. 16 North, San Antonio Texas, 78250  
Signed J.K. Braendle (Signed) \_\_\_\_\_ (Registered Driller Trainee)  
(Licensed Water Well Driller)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only  
Well No. 62-20-1

MAP #45

RECEIVED  
APR 8 1986

TEXAS WATER COMMISSION



MAP # 45

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: RFR-2

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	7087 Dietz-Elkhorn
<i>Location/Subdivision:</i>	Ralph Fair Road - East of Fair Oaks

<i>Latitude (UTM):</i>	3289087
<i>Longitude (UTM):</i>	536541
<i>Elevation (Feet MSL):</i>	1352

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

Homestead location with old windmill and cistern. No data is available for this well.

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-3

---

## PHYSICAL DESCRIPTION

---

<i>State ID Number</i>	68-19-6BB
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	same
<i>Physical Address:</i>	27805 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Gombert Ranch

<i>Latitude (UTM):</i>	3286916
<i>Longitude (UTM):</i>	535865
<i>Elevation (Feet MSL):</i>	1262

---

## WELL COMPLETION DATA

---

<i>Date Drilled:</i>	28-Jul-82
<i>Well Depth (feet bgs):</i>	435
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	135
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	28
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	200 28-Jul-82
<i>Production Zone(s):</i>	Lower Glen Rose/ Cow Creek

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## OTHER NOTES

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Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13087, Austin, Texas 78711

State of Texas WATER WELL REPORT

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

For TDWR use only Well No. 68-19-6W Located on map Y68 Received: C.F.S.

1) OWNER Roy Gombert (Name) Address (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County Bexar miles in direction from (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

Legal description: Section No. Block No. Township Abstract No. Survey Name Distance and direction from two intersecting section or survey lines

See attached map. map on 68-19-3V

3) TYPE OF WORK (Check): New Well, Deepening, Reconditioning, Plugging, etc. 4) PROPOSED USE (Check): Domestic, Industrial, Public Supply, Irrigation, Test Well, Other. 5) DRILLING METHOD (Check): Mud Rotary, Air Hammer, Driven, Bored, Air Rotary, Cable Tool, Jetted, Other.

6) WELL LOG: DIAMETER OF HOLE table with columns for Dia. (in.), From (ft.), To (ft.) and rows for 8 3/4 Surface 135 and 6 1/8 135 435

7) BOREHOLE COMPLETION: Open Hole, Straight Wall, Underreamed, Gravel Packed, Other. If Gravel Packed give interval ... from ... ft. to ... ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Table with columns for From (ft.), To (ft.), Description and color of formation material, Dia. (in.), New or Used, Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial, Setting (ft.) From, To, Gauge Casing Screen.

9) WATER LEVEL: Static level 200 ft. below land surface Date 07/28/82 Artesian flow gpm Date Cementing Data: Cemented from 938 ft. to 0 ft. Method used grout Cemented by Roy & Paul Gombert (Company or Individual)

10) DEPT. OF WATER RESOURCES RECEIVED JUL 12 1983

13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? No. If yes, submit "REPORT OF UNDESIRABLE WATER". Type of water? Depth of strata? Was a chemical analysis made? No.

11) WATER RESOURCES: Turbine, Jet, Submersible, Cylinder, Other. Depth to pump bowls, cylinder, jet, etc., ft.

12) WELL TESTS: Type Test, Pump, Bailer, Jetted, Estimated. Yield: 28 gpm with ft. drawdown after hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME George A. Schwoppe (Type or Print) Water Well Drillers Registration No. 1568

ADDRESS P. O. Box 364 (Street or RFD) Boerne TX 78006 (City) (State) (Zip)

(Signed) George A. Schwoppe (Water Well Driller) H.W. SCHWOPE & SONS (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.



**Texas Water Commission  
WATER WELL REGISTRATION FORM**

*Drillers log avail.*

<p align="center">RETURN TO COMPLETE FOR WELL OWNER</p> <p align="center" style="font-size: 2em; font-weight: bold; opacity: 0.5;">RECEIVED</p> <p align="center">EDWARDS UNDERGROUND WATER DISTRICT P.O. BOX 15830 1988 SAN ANTONIO, TX 78212 (512) 222-2204 or 1-800-292-0047 E.U.W.D.</p> <p>FILE NO. _____ SUBJECT _____</p>	<p align="center"><b>FOR DISTRICT USE ONLY</b></p> <p>Registration No.: <u>30100</u></p> <p>State Well No.: <u>NO AY 68-19-60</u></p> <p>Old USGS Well No.: <u>NO</u></p> <p>Land Surface Elev.: <u>1170'</u></p> <p>Plotted: <u>YES</u></p> <p>Field Checked: <u>NO</u></p> <p>Longitude: <u>98° 39' 25"</u></p> <p>Latitude: <u>29° 40' 51"</u></p>
--	---

**INSTRUCTIONS:** Please fill out this form (type or print in ink) for each well and mail within 60 days of receipt of this letter to the above address. Additional information or explanations may be attached. (For example a driller's log, pump test, etc.).

**WELL OWNERSHIP**

Well Owner: Roy Gombert Address: Rt. 1, Box 1857 Boerne, Texas 78006  
(Name) (Street, P.O.Box, or RFD) (City) (State) (Zip)

Telephone: (512) 698-2318

Name of Person to Contact if Different than Owner: n/a  
(Name)

Address: \_\_\_\_\_ Telephone: ( ) \_\_\_\_\_  
(Street, P.O.Box, or RFD) (City) (State) (Zip)

**WELL LOCATION**

County: Bexar \_\_\_\_\_, 10 miles in S direction from Boerne  
(N.W., S.E., etc.) (Town)

Latitude: \_\_\_\_\_ degree \_\_\_\_\_ minutes \_\_\_\_\_ seconds Longitude: \_\_\_\_\_ degree \_\_\_\_\_ minutes \_\_\_\_\_ seconds

If you are unable to supply latitude and longitude, an accurate sketch of the well location *must* be attached. Please locate and identify the well (s) on an official Quarter-Scale or Half-Scale Texas County General Highway Map or sketch the well location giving distance and direction from two intersecting numbered roads.

**WELL DATA**

State Well Number (if available): \_\_\_\_\_ Drilled by George Schwope, license 1568  
Owners Well Number:

Year Drilled: 19 82 H. W. Schwope & Sons, Inc.

Total Depth: 435 feet Pump Motor Size: 1 1/2 horsepower

Depth of Casing: 138 feet Fuel: Electric  Diesel \_\_\_\_\_ LP Gas \_\_\_\_\_ Other \_\_\_\_\_

Inside Diameter of Casing: 6 5/8 inches Estimated or Known Yield of Well: 28 gallons per minute  
 pumping about 12 gpm  
 Aquifer: Edwards \_\_\_\_\_ Carrizo-Wilcox \_\_\_\_\_ Glen Rose  Other  & Cow Cre

**WELL USE**

Currently In Use  Temporarily Out of Service \_\_\_\_\_ Abandoned \_\_\_\_\_

Use of Water Produced: Manufacturing \_\_\_\_\_ Mining \_\_\_\_\_ Commercial (domestic only)  Commercial (process use) \_\_\_\_\_  
 Household  Municipal Public Supply \_\_\_\_\_ Livestock  Irrigation \_\_\_\_\_ Other (please specify): \_\_\_\_\_

Estimated Average Annual Water Production over the past three (3) years: (Select One) \_\_\_\_\_ million gals. \_\_\_\_\_ acre ft.

If Irrigation, amount of Acreage \_\_\_\_\_ domestic, household use only -- no irrigation

I hereby certify that the information given above is true and accurate to the best of my knowledge and belief.

*Roy Gombert*

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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-4

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	AY68-19-3
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	same
<i>Physical Address:</i>	27645 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Gombert Ranch

<i>Latitude (UTM):</i>	3287011
<i>Longitude (UTM):</i>	535769
<i>Elevation (Feet MSL):</i>	1273

## WELL COMPLETION DATA

<i>Date Drilled:</i>	26-Jul-63
<i>Well Depth (feet bgs):</i>	375
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	30
<i>Well Diameter (inches):</i>	7
<i>Pump Depth (feet bgs):</i>	336

<i>Well Yield (gpm):</i>	14
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	310 26-Jul-63
<i>Production Zone(s):</i>	Lower Glen Rose

## OTHER NOTES

File original copy with Texas Water Commission P. O. Box 2311, Capitol Station Austin 11, Texas

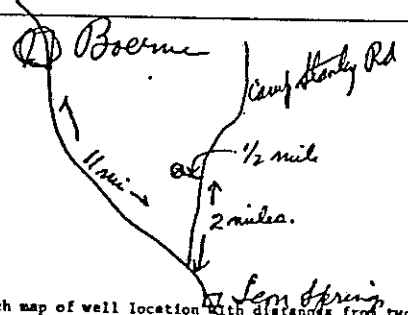
State of Texas

DRILLERS LOG AND WELL DATA REPORT

For use by TWC only  
Well No. 21-17-61  
Located on map 110-1  
By W.C. Date 7-26-63  
Map no. 1.5 (1)

1) Well Owner: ROY GOMBERT RT1 BOERNE TEXAS  
2) Land Owner: SAME  
3) Intended use: Industrial  Municipal  Irrigation  Other   
4) Location of well: County BEXAR Labor \_\_\_\_\_ League \_\_\_\_\_ Abstract No. \_\_\_\_\_  
NW1/4 NE1/4 SW1/4 SE1/4 of Section \_\_\_\_\_ Block No. \_\_\_\_\_ Survey \_\_\_\_\_

11 miles in SE direction from BOERNE



Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

Method of drilling: Cable Diameter of hole 6 1/2" Date drilled 7-26-63

All measurements made from \_\_\_\_\_ ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
0	14	Caliche & surface rock	322	326	Hard yellow limestone
14	53	Med. soft blk. rock & shale	326	368	Power soft white & yellow limestone
53	56	Lt. yellow porous rock-dry	368	375	Hard yellow limestone
56	65	Blue shale - MS			
65	270	Lt. gray & tan limestone - MH			
270	294	Blue gray rock - MH			
294	314	Gray white rock - MH			
314	322	Dark gray rock - MH			

(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION  
 Straight well   
 Under reamed   
 Gravel packed   
 Open hole   
 Other \_\_\_\_\_

CASING  
 Type: Old  New   
 Cemented from 0 ft. to 30 ft.  
 Diameter (inches) \_\_\_\_\_ Setting from (ft) \_\_\_\_\_ to (ft) \_\_\_\_\_  
7" OD      0      30'

SCREEN  
 Type \_\_\_\_\_  
 Perforated  Slotted   
 Diameter (inches) \_\_\_\_\_ Setting from (ft) \_\_\_\_\_ to (ft) \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

Walter Bergmann Louis Bergmann & Son Reg. No. 22

Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

Static water level 310  
ft. below Surface

Feet	Pumping level hours	RPM
<u>350</u>	<u>1</u>	<u>14</u>

WATER LEVEL AND PUMP DATA

Pump type Recip.  
 Designed pumping rate 3 gpm  gph   
 Type power unit Elec.  
 Horsepower 1  
 Depth to bowls, cylinder, jet, etc., 3.36' ft. below pump base.

Name of contractor testing well or installing permanent pump if other than your company: \_\_\_\_\_

**Texas Water Commission  
WATER WELL REGISTRATION FORM**

**RECEIVED**  
RETURN COMPLETED FORM TO  
MAY 9 1988

EDWARDS UNDERGROUND WATER DISTRICT  
P. O. BOX 6880  
SAN ANTONIO, TX 78212  
FILE NO. (512) 222-2204 or T-800-292-1047  
SUBJECT \_\_\_\_\_

FOR DISTRICT USE ONLY AY 68-19-3

Registration No.: 30382  
State Well No.: NO  
Old USGS Well No.: NO  
Land Surface Elev.: 1290'  
Plotted: yes  
Field Checked: NO  
Longitude: 98° 37' 52"  
Latitude: 29° 42' 39"

**INSTRUCTIONS:** Please fill out this form (type or print in ink) for each well and mail within 60 days of receipt of this letter to the above address. Additional information or explanations may be attached. (For example a driller's log, pump test, etc.).

**WELL OWNERSHIP**

Well Owner: ROY GOMBERT JR. Address: Box 27645 Ralph Fins Road Boerne Texas 78006  
(Name) (Street, P.O. Box, or RFD) (City) (State) (Zip)  
Telephone: (512) 698-2928  
698-2921  
Name of Person to Contact if Different than Owner: Roy Gombert  
(Name)  
Address: Route 1 Box 1857 Boerne Texas 78006 Telephone: (512) 698-2318  
(Street, P.O. Box, or RFD) (City) (State) (Zip)

**WELL LOCATION**

County: BEXAR. miles in 10 miles SOUTH EAST direction from BOERNE  
(N.W., S.E., etc.) (Town)  
Latitude: \_\_\_\_\_ degree \_\_\_\_\_ minutes \_\_\_\_\_ seconds Longitude: \_\_\_\_\_ degree \_\_\_\_\_ minutes \_\_\_\_\_ seconds

If you are unable to supply latitude and longitude, an accurate sketch of the well location **must** be attached. Please locate and identify the well(s) on an official Quarter-Scale or Half-Scale Texas County General Highway Map or sketch the well location giving distance and direction from two intersecting numbered roads.

**WELL DATA**

Dilled By  
State Well Number (if available): Louis Bergmann's Ind. Owners Well Number: \_\_\_\_\_  
Year Drilled: 19 63 PUMP FACT.  
Total Depth: 375 feet Pump Motor Size: 1 horsepower  
Depth of Casing: 30.2 feet CONCRETE Fuel: Electric X Diesel \_\_\_\_\_ LP Gas \_\_\_\_\_ Other \_\_\_\_\_  
Estimated or Known Yield of Well: 14 gallons per minute  
Inside Diameter of Casing: 6 inches Aquifer: Edwards \_\_\_\_\_ Carrizo-Wilcox \_\_\_\_\_ Glen Rose X Other \_\_\_\_\_

**WELL USE**

Currently In Use X Temporarily Out of Service \_\_\_\_\_ Abandoned \_\_\_\_\_  
Use of Water Produced: Manufacturing \_\_\_\_\_ Mining \_\_\_\_\_ Commercial (domestic only) X Commercial (process use) \_\_\_\_\_  
Household X Municipal Public Supply \_\_\_\_\_ Livestock X Irrigation \_\_\_\_\_ Other (please specify): \_\_\_\_\_  
Estimated Average Annual Water Production over the past three (3) years: (Select One) 13 million gals. \_\_\_\_\_ acre ft.  
If Irrigation, amount of Acreage \_\_\_\_\_

I hereby certify that the information given above is true and accurate to the best of my knowledge and belief.

Roy Gombert 5-5-88  
(Signature of Well Owner or Agent)

File original copy with Texas Water Commission P. O. Box 2311, Capitol Station Austin 11, Texas

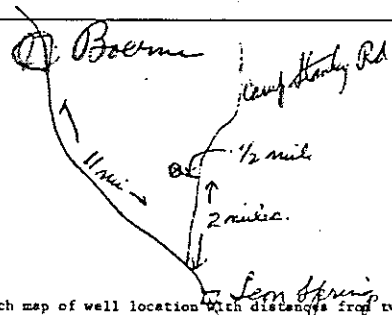
State of Texas

For use by TWC only  
Well No. 6-1-63  
Located on map 115-1  
By Walter Bergmann Date 7-26-63  
Map no. 115-1

DRILLERS LOG AND WELL DATA REPORT

1) Well Owner: Roy Gombert RT1 BOERNE TEXAS  
2) Land Owner: JAME  
3) Intended use: Industrial  Municipal  Irrigation  Other   
4) Location of well: County BEXAR Labor \_\_\_\_\_ League \_\_\_\_\_ Abstract No. \_\_\_\_\_  
NW  NE  SW  SE  of Section \_\_\_\_\_ Block No. \_\_\_\_\_ Survey \_\_\_\_\_  
(Circle as many as are known)

11 miles in SE direction from BOERNE



Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

Method of drilling: Cable DRILLERS LOG OF WELL Diameter of hole 6 1/2" Date drilled 7-26-63

All measurements made from \_\_\_\_\_ ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
0	14	Caliche + surface rock	322	326	Hard yellow limestone
14	53	Med. soft blue rock + shale	326	368	Porous soft white + yellow limestone
53	56	St. yellow porous rock - dry	368	375	Hard yellow limestone
56	65	Blue shale - M.S.	375	-TD	
65	270	St. gray + tan limestone - M.H.			
270	294	Blue gray rock - M.H.			
294	314	Gray white rock - M.H.			
314	322	Dark gray rock - M.H.			

(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION	CASING	SCREEN
Straight wall <input checked="" type="checkbox"/> Under reamed <input type="checkbox"/> Gravel packed <input type="checkbox"/> Open hole <input checked="" type="checkbox"/> Other _____	Type: Old <input checked="" type="checkbox"/> New <input type="checkbox"/> Cemented from <u>0</u> ft. to <u>30</u> ft. Diameter (inches)   Setting from (ft)   to (ft) <u>7"OD</u>   <u>0</u>   <u>30'</u>	Type _____ Perforated <input type="checkbox"/> Slotted <input type="checkbox"/> Diameter (inches)   Setting from (ft)   to (ft)

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

Walter Bergmann Louis Bergmann & Son Reg. No. 22

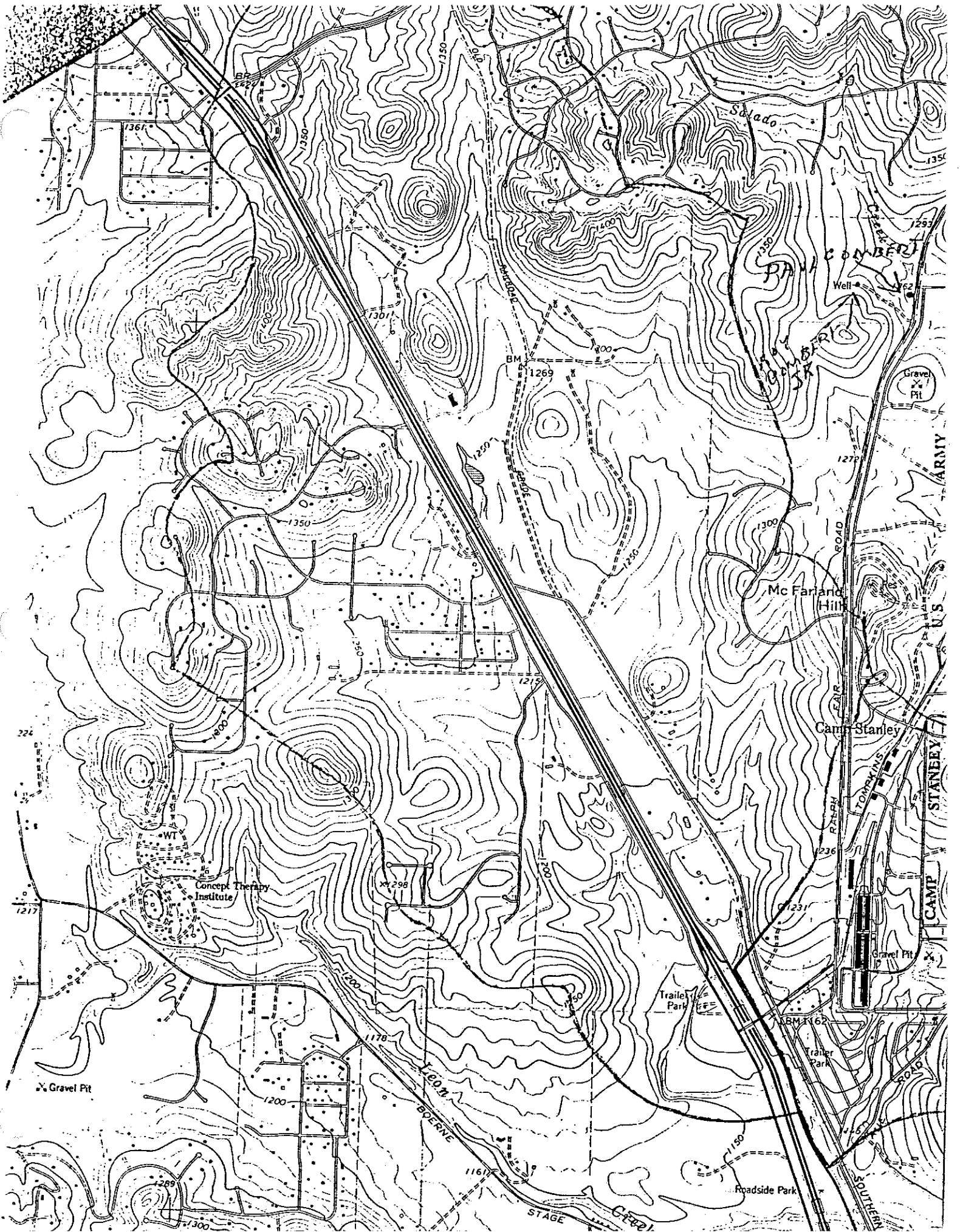
Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA		
Static water level <u>310</u> ft. below <u>Surface</u>	Pump type <u>Recip.</u>	
	Designed pumping rate <u>3</u> gpm <input type="checkbox"/> gph <input type="checkbox"/>	
	Type power unit <u>Elec.</u>	
	Horsepower <u>1</u>	
	Depth to bowls, cylinder, jet, etc., <u>3.36'</u> ft. below pump base.	

Pumping level		
feet	hours	gpm
<u>350</u>	<u>1</u>	<u>14</u>

Name of contractor testing well or installing permanent pump if other than your company: \_\_\_\_\_



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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<1 MILES

MAP REFERENCE NO: RFR-5

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-6
<i>Current Owner:</i>	
<i>Original Owner:</i>	Same
<i>Physical Address:</i>	28015 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Gombert Ranch

<i>Latitude (UTM):</i>	3287118
<i>Longitude (UTM):</i>	535585
<i>Elevation (Feet MSL):</i>	1287

### WELL COMPLETION DATA

<i>Date Drilled:</i>	23-Oct-91
<i>Well Depth (feet bgs):</i>	500
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	189
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	20
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	330 23-Oct-91
<i>Production Zone(s):</i>	Lower Glen Rose / Cow Creek

### OTHER NOTES

Please use black ink.  
Send original copy by  
certified mail to the  
Texas Water Commission  
P.O. Box 13087  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privacy Notice on Reverse Side

1) OWNER Paul Gombert Address \_\_\_\_\_  
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:  
County Bexar 13 miles in SE direction from Boerne  
(N.E., S.W., etc.) (Town)

(Leon Springs to Curry  
Creek Road)

Driller must complete the legal description to the right  
with distance and direction from two intersecting section  
or survey lines, or he must locate and identify the  
well on an official Quarter- or Half-Scale Texas County  
General Highway Map and attach the map to this form

Legal description: \_\_\_\_\_  
Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
 See attached map.

#10

3) TYPE OF WORK (Check):  
 New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):  
 Domestic  Industrial  Monitor  Public Supply  
 Irrigation  Test Well  Injection  Other \_\_\_\_\_

5) DRILLING METHOD (Check):  Driven  
 Mud Rotary  Air Hammer  Jetted  Bored  
 Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:  
Date Drilling:  
Started 10-18 1991  
Completed 10-23 1991

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
8 3/4	Surface	187
6"	187	500

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.) To (ft.) Description and color of formation material

0-1	topsoil
1-22	cream colored limestone & clay
22-41	gray shaley limestone
41-50	cream colored lime
50-61	blue shale
61-94	gray shaley limeston
94-139	cream-white limestone
139-169	gray chalky limestone
169-187	light gray limestone
187-192	light gray lime
192-205	yellow cream colored lime(water 2-3 gpm)
205-227	gray lime
227-245	yellow cream colored lime
245-258	light gray lime
258-266	cream colored lime
266-287	light gray lime
287-301	cream colored lime chalky
301-312	gray limestone
312-324	dark gray shaley lime
324-368	cream colored lime chalky
368-381	hard gray limestone
381-402	dark gray shaley lime with geodes (blue gray)
402-417	light gray shale & lime layers
428-431	blue green shale & sandstone
431-434	light gray sandstone

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
6	5/8"	steel casing	0	187	
		new 156 total		189	

9) CEMENTING DATA [Rule 319.44(b)] 1.50 yds.  
Cemented from 0 ft. to 187 ft. No. of Sacks Used \_\_\_\_\_  
\_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
Method used 8-sk grout  
Cemented by H. W. Schwope & Sons, Inc.  
Ingram Readymix

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 330 ft. below land surface Date \_\_\_\_\_  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

14) WELL TESTS:  
Type Test:  Pump  Bailor  Jetted  Estimated  
Yield: 60 gpm with 500 ft. drawdown after \_\_\_\_\_ hrs.

15) WATER QUALITY: (OVER)  
Did you knowingly penetrate any strata which contained undesirable water?  Yes  No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

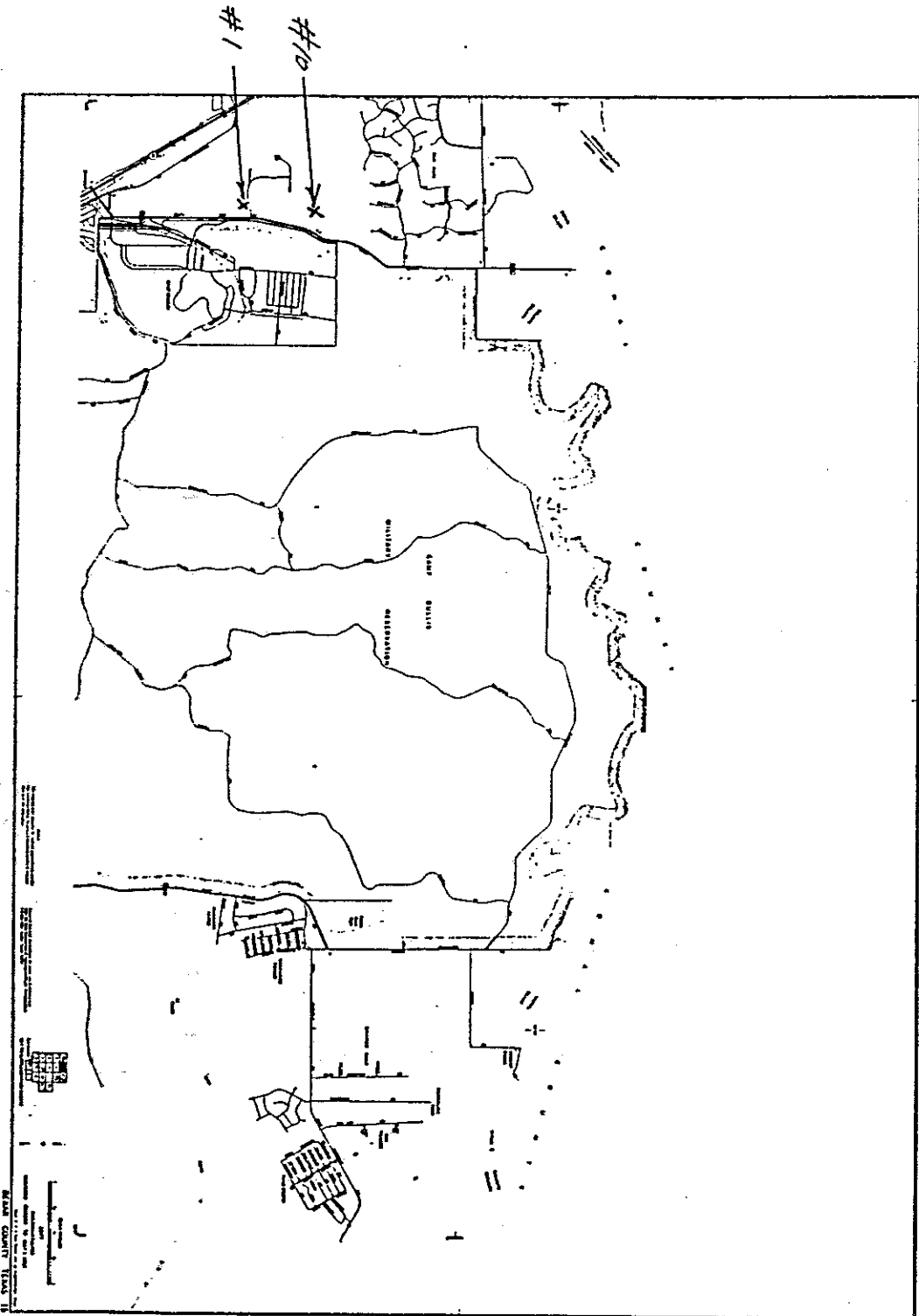
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME H. W. Schwope & Sons, Inc. Water Well Driller's License No. 1568  
(Type or Print)  
ADDRESS PO Box 364 Boerne Texas 78006  
(Street or RFD) (City) (State) (Zip)

(Signed) H. W. Schwope (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

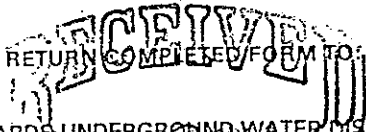
Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only  
Well No. \_\_\_\_\_  
Located on map 68-19-6



MAP #24

**Texas Water Commission**  
**WATER WELL REGISTRATION FORM**

 RETURN COMPLETED FORM TO: EDWARDS UNDERGROUND WATER DISTRICT P.O. BOX 15830 SAN ANTONIO, TX 78212 (512) 222-2204 or 1-800-292-1047 FILE NO. _____ SUBJECT _____	FOR DISTRICT USE ONLY <b>AY 68-19-3</b> Registration No.: <u>36381</u> State Well No.: <u>NO</u> Old USGS Well No.: <u>NO</u> Land Surface Elev.: <u>1260'</u> Plotted: <u>YES</u> Field Checked: <u>NO</u> Longitude: <u>98° 37' 40"</u> Latitude: <u>29° 42' 37"</u>
--	--

**INSTRUCTIONS:** Please fill out this form (type or print in ink) for each well and mail within 60 days of receipt of this letter to the above address. Additional information or explanations may be attached. (For example a driller's log, pump test, etc.).

**WELL OWNERSHIP**

Well Owner: Paul Gombert (Name) Address: Box 27805 Paly Fair Road Boerne Texas (Street, P.O.Box, or RFD) (City) (State) (Zip) 78786

Telephone: (512) 698-0973

Name of Person to Contact if Different than Owner: same Paul Gombert (Name)

Address: Route 1 Box 1857 same Boerne Texas 78006 (Street, P.O.Box, or RFD) (City) (State) (Zip) Telephone: 512 698 2318

**WELL LOCATION**

County: Bexar, 10 miles in SE direction from Boerne (N.W., S.E., etc.) (Town)

Latitude: \_\_\_\_\_ degree \_\_\_\_\_ minutes \_\_\_\_\_ seconds Longitude: \_\_\_\_\_ degree \_\_\_\_\_ minutes \_\_\_\_\_ seconds

If you are unable to supply latitude and longitude, an accurate sketch of the well location *must* be attached. Please locate and identify the well (s) official Quarter-Scale or Half-Scale Texas County General Highway Map or sketch the well location giving distance and direction from two intersecting numbered roads.

**WELL DATA**

State Well Number (if available): H. W. Schwope & Sons, Inc drilled by George Schwope Owners Well Number: license 1568

Year Drilled: 19 86 Pump Motor Size: 1 1/2 horsepower Webtrol

Total Depth: 500 feet Fuel: Electric  Diesel \_\_\_\_\_ LP Gas \_\_\_\_\_ Other \_\_\_\_\_

Depth of Casing: 189 feet Estimated or Known Yield of Well: 20 gallons per minute

Inside Diameter of Casing: 6 5/8" steel inches Aquifer: Edwards \_\_\_\_\_ Carrizo-Wilcox \_\_\_\_\_ Lower Glen Rose  Other \_\_\_\_\_ & Cow Creek

**WELL USE**

Currently In Use  Temporarily Out of Service \_\_\_\_\_ Abandoned \_\_\_\_\_

Use of Water Produced: Manufacturing \_\_\_\_\_ Mining \_\_\_\_\_ Commercial (domestic only) \_\_\_\_\_ Commercial (process use) \_\_\_\_\_

Household  Municipal Public Supply \_\_\_\_\_ Livestock  Irrigation \_\_\_\_\_ Other (please specify): \_\_\_\_\_

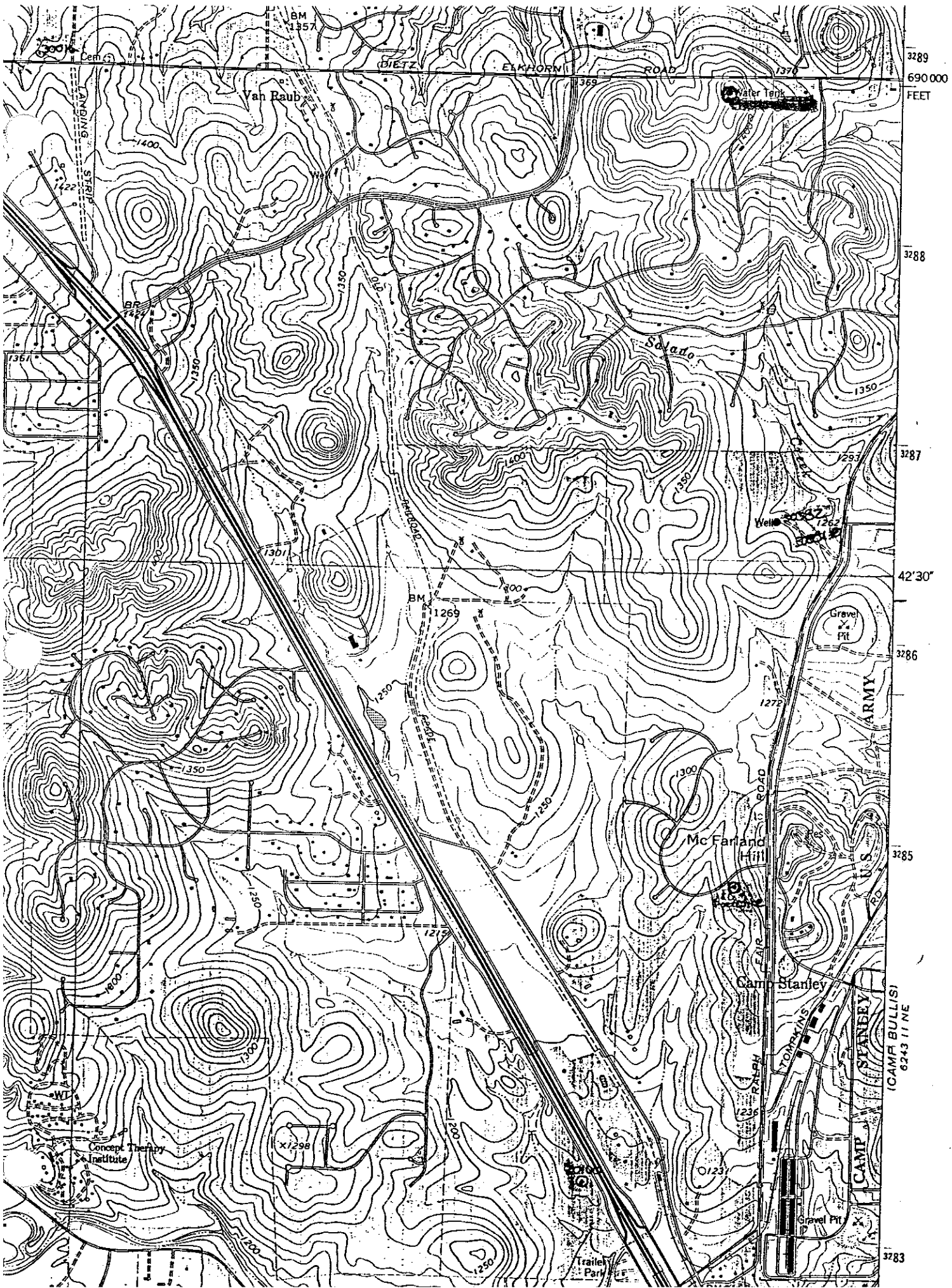
Estimated Average Annual Water Production over the past three (3) years: (Select One) 1 million gals. \_\_\_\_\_ acre ft.

If Irrigation, amount of Acreage \_\_\_\_\_

I hereby certify that the information given above is true and accurate to the best of my knowledge and belief.

Paul Gombert  
(Signature of Well Owner or Agent)

5-5-88  
(Date)



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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: RFR-6

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### PHYSICAL DESCRIPTION

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<i>State ID Number</i>	68-19-6
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	same
<i>Physical Address:</i>	27397 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Favor Ranch

<i>Latitude (UTM):</i>	3286340
<i>Longitude (UTM):</i>	535642
<i>Elevation (Feet MSL):</i>	1320

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### WELL COMPLETION DATA

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<i>Date Drilled:</i>	11-Jul-90
<i>Well Depth (feet bgs):</i>	500
<i>Casing Diameter (inches):</i>	6
<i>Casing Depth (feet bgs):</i>	373
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	

<i>Well Yield (gpm):</i>	25
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	350 11-Jul-90
<i>Production Zone(s):</i>	Cow Creek

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### OTHER NOTES

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The well was deepened on July 11, 1990. The original installation date is unavailable.

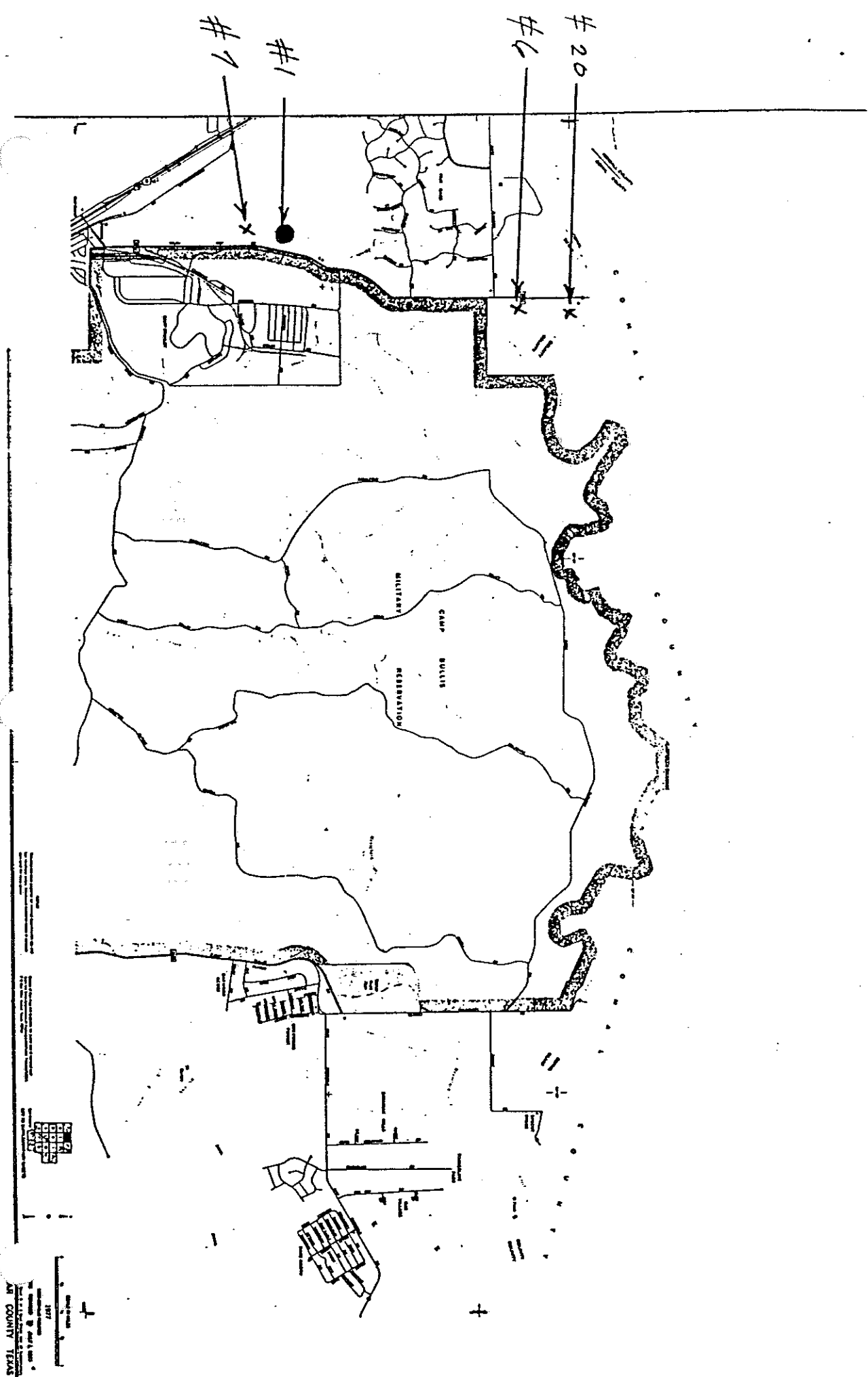
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ATTENTION OWNER: <i>Confidentiality</i> <i>Privilege Notice on Reverse Side</i>		<b>State of Texas</b> <b>WELL REPORT</b>		Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711																																												
1) OWNER <u>Fred Friar</u> <small>(Name)</small>		ADDRESS <u>27397 Ralph Fair, Boerne, Texas 78006</u> <small>(Street or RFD) (City) (State) (Zip)</small>																																														
2) LOCATION OF WELL: County <u>BEXAR</u> miles in _____ direction from _____ <small>(NE, SW, etc.) (Town)</small>																																																
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.																																																
<input type="checkbox"/> LEGAL DESCRIPTION: Section No. _____ Block No. _____ Township _____ Abstract No. <u>(old Camp Stanley Road)</u> <small>Survey Name</small> Distance and direction from two intersecting section or survey lines _____ <input type="checkbox"/> SEE ATTACHED MAP <span style="float: right;">#1</span>																																																
3) TYPE OF WORK (Check): <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering		5) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____																																												
6) WELL LOG: Date Drilling: Started <u>7-11</u> 19 <u>90</u> Completed _____ 19____		DIAMETER OF HOLE <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr> <th>Dis. (in.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> <tr> <td>6"</td> <td>Surface</td> <td>373</td> </tr> <tr> <td></td> <td></td> <td>500</td> </tr> </table>		Dis. (in.)	From (ft.)	To (ft.)	6"	Surface	373			500	7) BOREHOLE COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give Interval ... from _____ ft. to _____ ft.																																			
Dis. (in.)	From (ft.)	To (ft.)																																														
6"	Surface	373																																														
		500																																														
From (ft.) To (ft.) Description and color of formation material		8) CASING, BLANK PIPE, AND WELL SCREEN DATA:																																														
373-385 cream colored lime		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Dis. (in.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casting Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> <tr> <td>6"</td> <td>DVC</td> <td>new 86'</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	Dis. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen	From	To	6"	DVC	new 86'																																		385-393 bluish gray lime	
Dis. (in.)	New or Used					Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen																																							
			From	To																																												
6"	DVC		new 86'																																													
393-417 darker blue sandstone		9) CEMENTING DATA [Rule 287.44(1)]: Cemented from _____ ft. to _____ ft. No. of Sacks Used _____ _____ ft. to _____ ft. No. of Sacks Used _____ Method used _____ Cemented by _____		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 287.44(2)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 287.44(3)(B)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 287.71]																																												
417-425 gray sandstone		11) WATER LEVEL: Static level _____ ft. below land surface Date _____ Pumping level _____ gpm. Date _____																																														
425-430 blue sandstone & shell		12) PACKERS: Type _____ Depth _____																																														
430-440 greenish gray sandstone and silty shale layers		13) TYPE PUMP: <u>(over)</u> <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., _____ ft.																																														
440-442 soft green shale																																																
442-443 hard tan lime (top of Cow Creek)																																																
443-466 white lime (porous/water)		14) WELL TESTS: Type Test: <input type="checkbox"/> Pump <input type="checkbox"/> Baker <input checked="" type="checkbox"/> Jetted <input type="checkbox"/> Estimated Yield: <u>22/25</u> gpm with <u>500</u> ft. drawdown after _____ hrs.																																														
15) WATER QUALITY: Did the drilling penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		RECEIVED SEP 06 1991																																														
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion of the well.																																																
COMPANY NAME <u>H. W. Schwope &amp; Sons, Inc.</u> WELL DRILLER'S LICENSE NO. <u>1566</u>																																																
ADDRESS <u>PO Box 364</u> <small>(Street or RFD)</small>		<u>Boerne, Texas</u> <small>(City)</small>		<u>78006</u> <small>(State) (Zip)</small>																																												
(Signed) <u>H. W. Schwope</u> <small>(Licensee Well Driller)</small>		(Signed) _____ <small>(Registered Driller Trainee)</small>																																														
Please attach electric log, chemical analysis, and other pertinent information, if available.																																																
For TWC use only: Well No. _____ Located on <u>68-19-6</u>																																																

4802903133

MAP #21





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## OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-7

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	27207 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Favor Ranch

<i>Latitude (UTM):</i>	3286104
<i>Longitude (UTM):</i>	535654
<i>Elevation (Feet MSL):</i>	1287

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-8

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	27125 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Favor Ranch

<i>Latitude (UTM):</i>	3285778
<i>Longitude (UTM):</i>	535647
<i>Elevation (Feet MSL):</i>	1282

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-9

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### PHYSICAL DESCRIPTION

---

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	26109 Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Favor Ranch

<i>Latitude (UTM):</i>	3284328
<i>Longitude (UTM):</i>	535586
<i>Elevation (Feet MSL):</i>	1290

---

### WELL COMPLETION DATA

---

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

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### OTHER NOTES

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No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-10

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	25490 Old Fredericksburg Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Favor

	Ranch
<i>Latitude (UTM):</i>	3283393
<i>Longitude (UTM):</i>	535337
<i>Elevation (Feet MSL):</i>	1204

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-11

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	25360 Old Fredericksburg Road
<i>Location/Subdivision:</i>	Ralph Fair Road - Favor

	Ranch
<i>Latitude (UTM):</i>	3283195
<i>Longitude (UTM):</i>	535322
<i>Elevation (Feet MSL):</i>	1171

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Domestic
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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## OFFSITE WELL SUMMARY REPORT

### WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: RFR-12

#### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-621
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	same
<i>Physical Address:</i>	IH10 @ Ralph Fair Road
<i>Location/Subdivision:</i>	Ralph Fair Road

<i>Latitude (UTM):</i>	3283115
<i>Longitude (UTM):</i>	535269
<i>Elevation (Feet MSL):</i>	1165

#### WELL COMPLETION DATA

<i>Date Drilled:</i>	01-Sep-89
<i>Well Depth (feet bgs):</i>	486
<i>Casing Diameter (inches):</i>	6-5/8
<i>Casing Depth (feet bgs):</i>	294
<i>Well Diameter (inches):</i>	5-5/8
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	25
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	266 01-Sep-89
<i>Production Zone(s):</i>	Glen Rose/Hensell/Cow Creek*

#### OTHER NOTES

Geophysical survey conducted September 1, 1989.



**STATE OF TEXAS  
WATER WELL REPORT**

ATTENTION OWNER: Confidentiality Prohibits Posting on Reverse Side

Texas Water Well Driller Board  
P.O. Box 12887  
Austin, Texas 78711

1) OWNER: DAUGHTERY Properties Address: 25300 IH-10 W. Leon Springs, TX

2) LOCATION OF WELL: 2 Well No. N.W. Direction from Leon Springs

3) TYPE OF WORK (Check):  
 Clean Well  Deepening  Pumping  
 Reaming/Grouting  Plugging

4) PROPOSED USE (Check):  
 Domestic  Industrial  Stocker  Public Supply  
 Irrigation  Hot Well  Injection  Other

5) BELLINGS METHOD (Check):  
 Shot Rotary  Air Hammer  Javel  Bored  
 Air Rotary  Cable Tool  Other

6) WELL LOG:  
 Date Drilling: Started 8-27-89 Completed 9-7-89

DIAMETER OF HOLE		Description and nature of formation	Dip (Deg)	Flow or Leak	Sest., Flints, etc. Noted, Shaded, or Screened Off, if commercial	Setting (ft.)		Open Casing Depth
Dr. (in.)	From (ft.)					To (ft.)		
0	20	White calcareous				From	To	
20	30	Blue shale				0	274	
30	40	Dark shale						
40	60	White lime						
60	80	White lime						
80	100	Shale						
100	120	White lime						
120	140	Shale						
140	160	White lime						
160	180	Shale						
180	200	White lime						
200	220	Shale						
220	240	White lime						
240	260	Shale						
260	280	White lime						
280	300	Shale						
300	320	White lime						
320	340	Shale						
340	360	White lime						
360	380	Shale						
380	400	White lime						
400	420	Shale						
420	440	White lime						
440	460	Shale						
460	485	White lime						

7) BOREHOLE COMPLETION:  
 Open Hole  Brought Well  Unfinished  
 Cased Packed  Other

8) CEMENTING DATA (Photo 2184484):  
 Cemented from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Stacks Used \_\_\_\_\_  
 Method used \_\_\_\_\_  
 Cemented by B.S. Titan Services

9) SURFACE COMPLETION:  
 Specified Surface Slot (Photo 2184484)  
 Pileon Anchor Used (Photo 2184484)  
 Approved Alternative Protection Used (Photo 218471)

10) WATER LEVEL:  
 Static head \_\_\_\_\_ ft. below land surface  
 Artesian head \_\_\_\_\_ ft. Depth \_\_\_\_\_ ft.

11) PACKERS:  
 Type \_\_\_\_\_ Depth \_\_\_\_\_ ft.

12) TYPE PUMP:  
 Turbine  Jet  Handmade  Other  
 Other  
 Depth to pump base, cylinder, etc. \_\_\_\_\_ ft.

13) BELL TESTS:  
 Type Test:  Pump  Other  Javel  Unfinished  
 Yield: 25 gpm into \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ min.

14) WATER QUALITY:  
 Did you knowingly purchase any areas which contained undesirable water?  Yes  No  
 If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of area? \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

I have by hereby certify that this well was drilled by me (or under my supervision) and that both and all of the measurements herein are true to the best of my knowledge and belief. I understand that failure to furnish these I shall be liable to the legal being required for completion and reworked.

COMPANY NAME: Courtesy Drilling Well Well Driller's License No. 2546

ADDRESS: P.O. Box 1454 Boerne N. 78006

(Signed) \_\_\_\_\_ (Planned Driller Test) \_\_\_\_\_

Please attach copy of log, chemical analysis, and other pertinent information, if available.

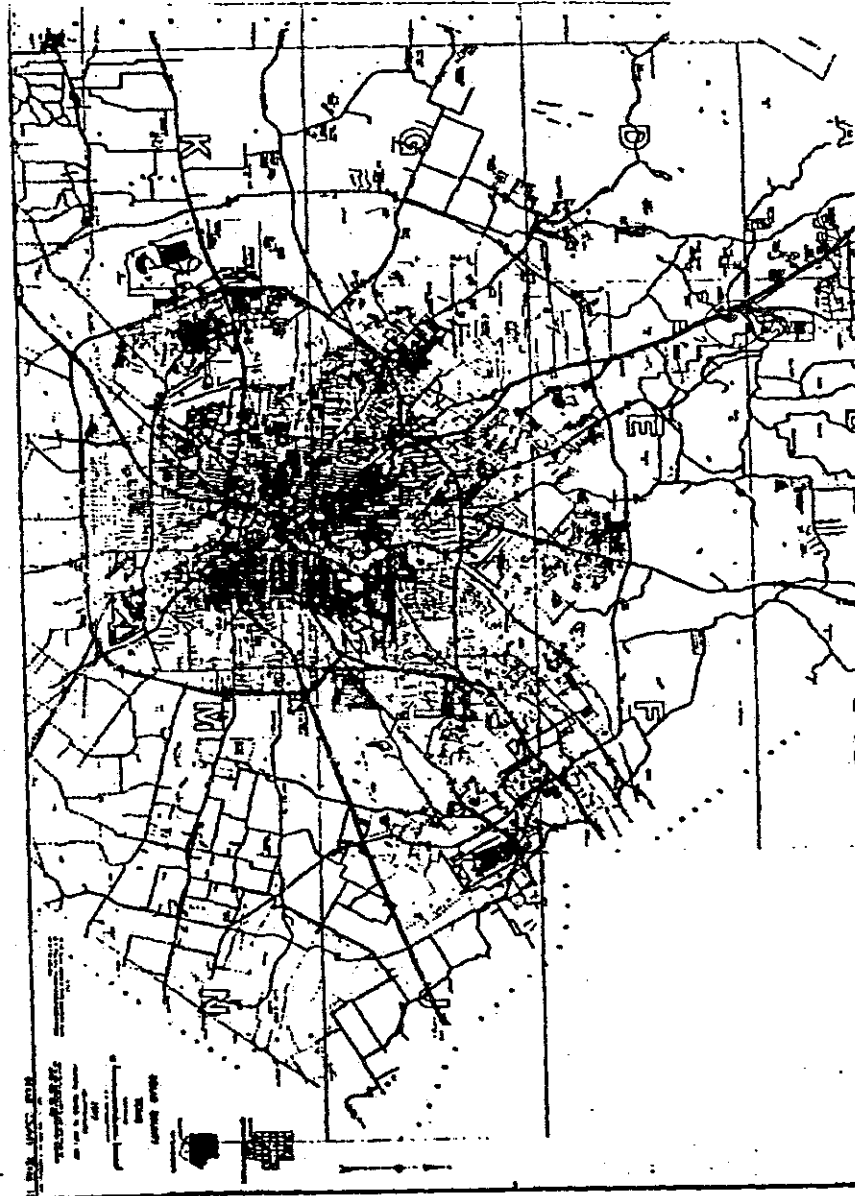
Form No. 20-7  
 Revised 10-88

TXWD-012 (Rev. 10-88-87) TEXAS WATER COMMISSION COPY

do less  
 may field  
 210) 977-8440  
 I-10/  
 east Stanley  
 stoppage (ca. low)  
 (PICO)  
 behind

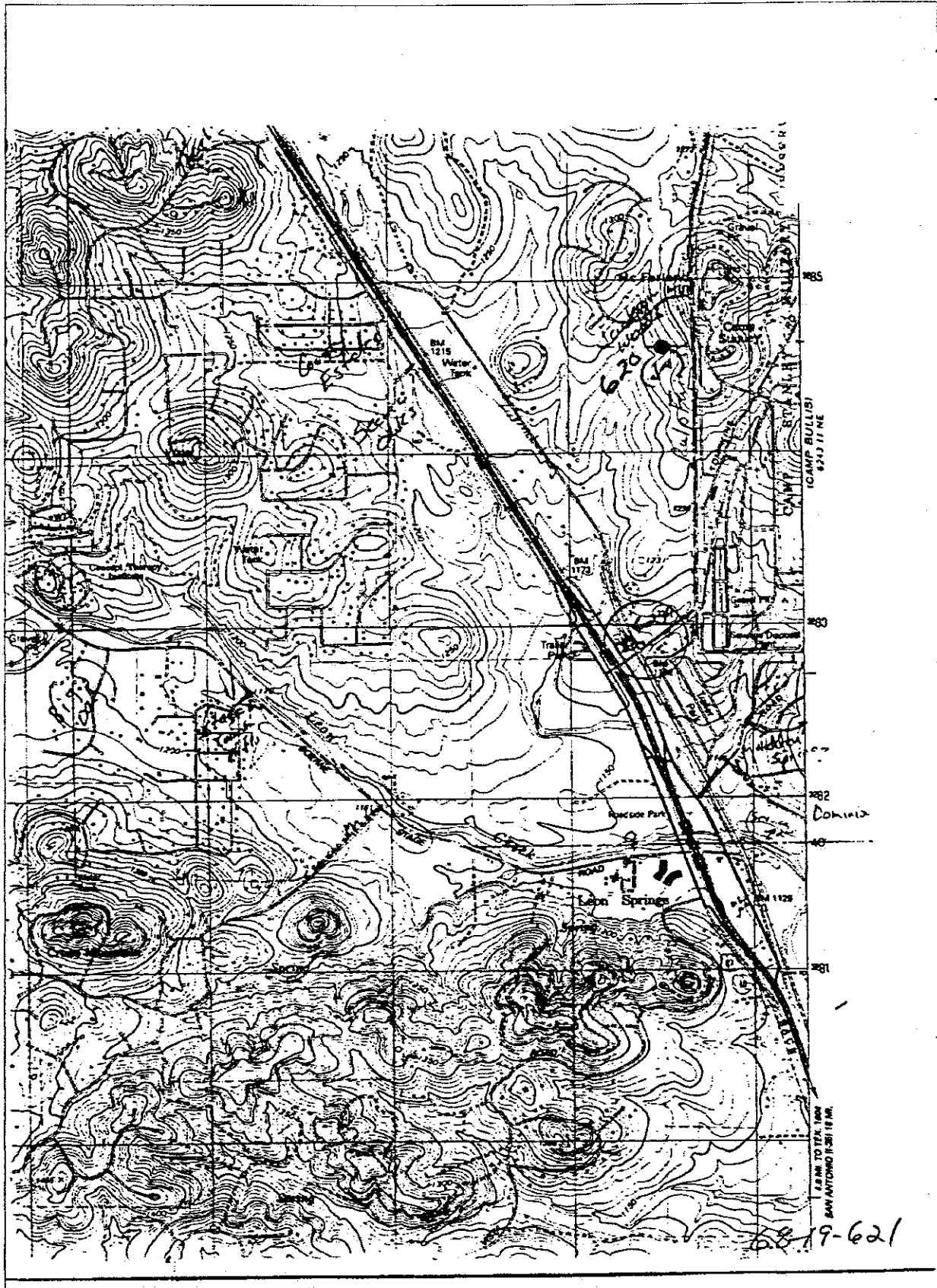
TRAC  
 0150436

6819-621



68-19-621

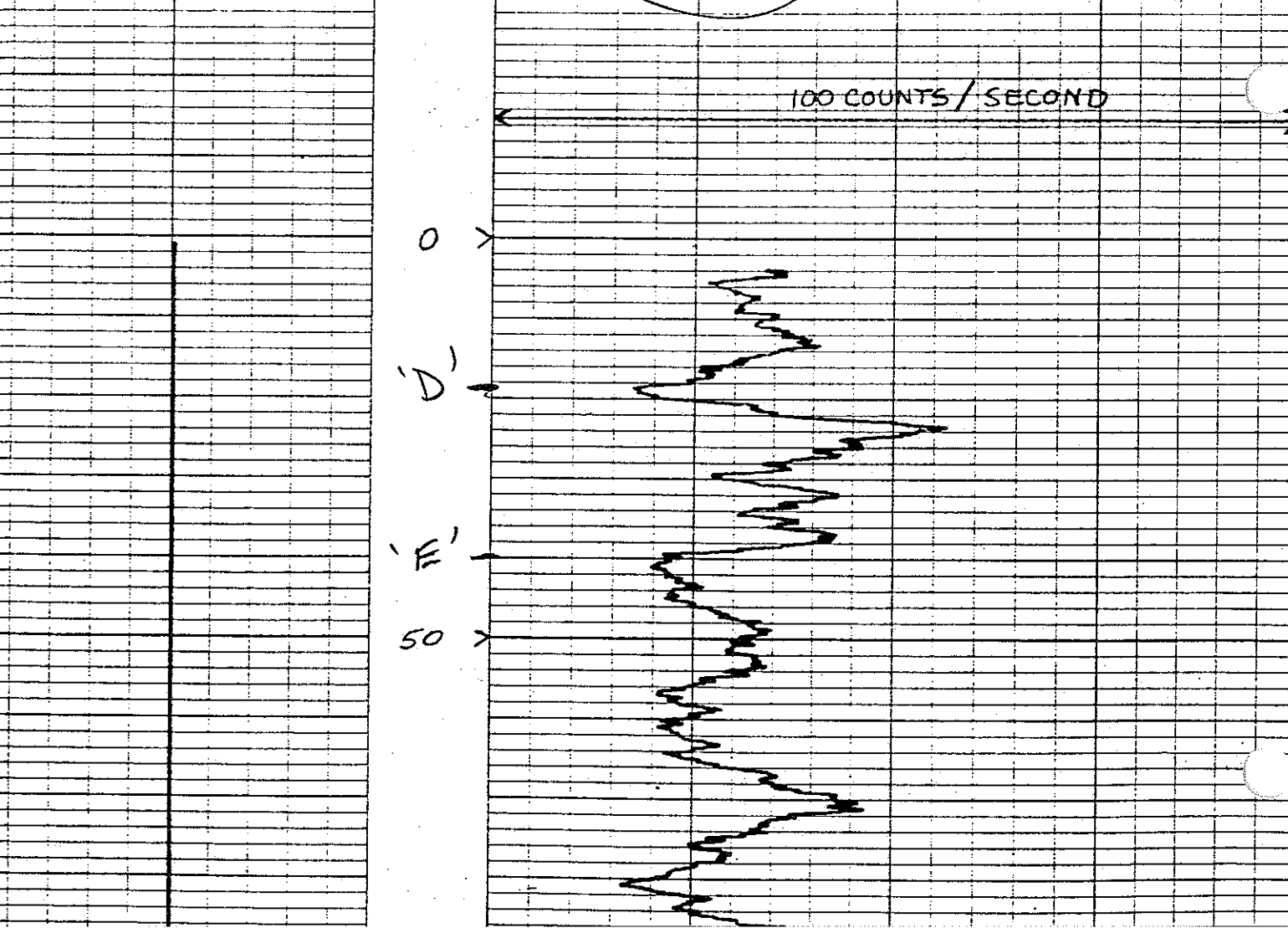




STWARDS UNDERGROUND WATER DISTRICT  
 NATURAL GAMMA AND CASING COLLAR LOG

DATE: 01-SEP-89  
 WELL NO: AY 68-19-6 WELL DEPTH: 472.1 (ft below LSD)  
 LATITUDE: 29-40-50 LONGITUDE: 98-38-12 (deg-min-sec)  
 OWNER: HANK DOUGHTRY  
 LOCATION: 0.7 mi. FROM E. LINE & 3.83 mi. FROM S. LINE OF AY-68-19  
 DRILLER: COURTNEY DRILLING DRILLING METHOD: AIR ROTARY  
 CASING(1) DIA: 6.250 FROM: 0.0 TO: 287.0 (dia = ID in inches)  
 (2) DIA: 0.000 FROM: 0.0 TO: 0.0  
 HOLE (1) DIA: 0.000 FROM: 0.0 TO: 0.0 (depths = feet)  
 (2) DIA: 0.000 FROM: 0.0 TO: 0.0  
 LOG OPERATOR: JDB LOG MP=LAND SURFACE DATUM(LSD) LOG TD: 471.0 LSD:1159.00  
 ELECTRIC LOG: NO CALIPER LOG: YES (LSD fr TOPO SHT)  
 WATER LEVEL (ft below LSD): 266.63  
 LOG SPEED: 30 (ft/min) VERTICAL SCALE: 5 (inches/100 ft)  
 TIME CONSTANT: 2 COUNTS PER SECOND: 100 PER 20 CHART DIVISIONS  
 COMMENTS: New public supply well.

CASING COLLAR LOG DEPTH GAMMA LOG  
 RADIATION INCREASE COUNTS / SECOND -->



100 >

'E'

150' >

2

3

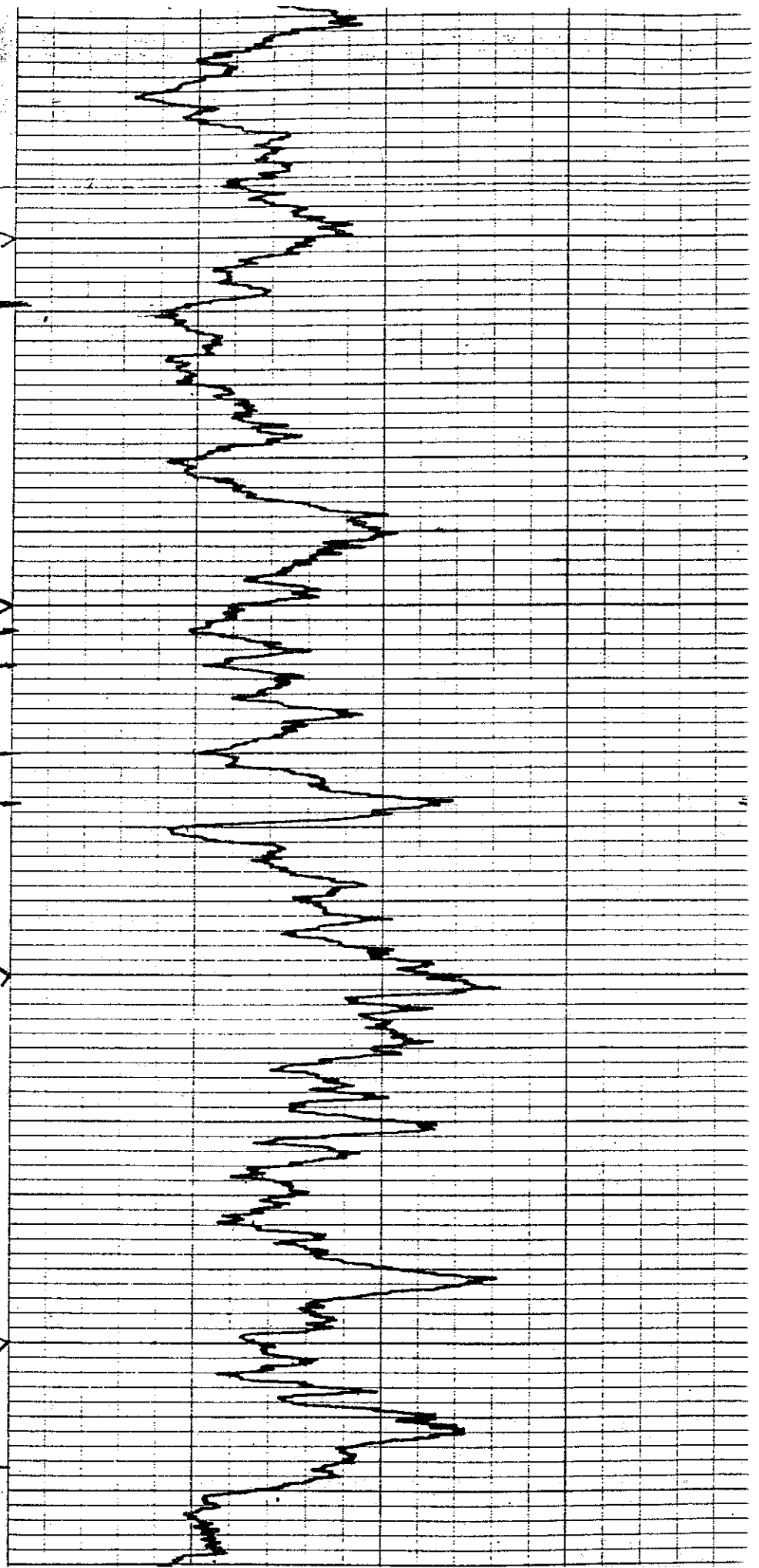
4

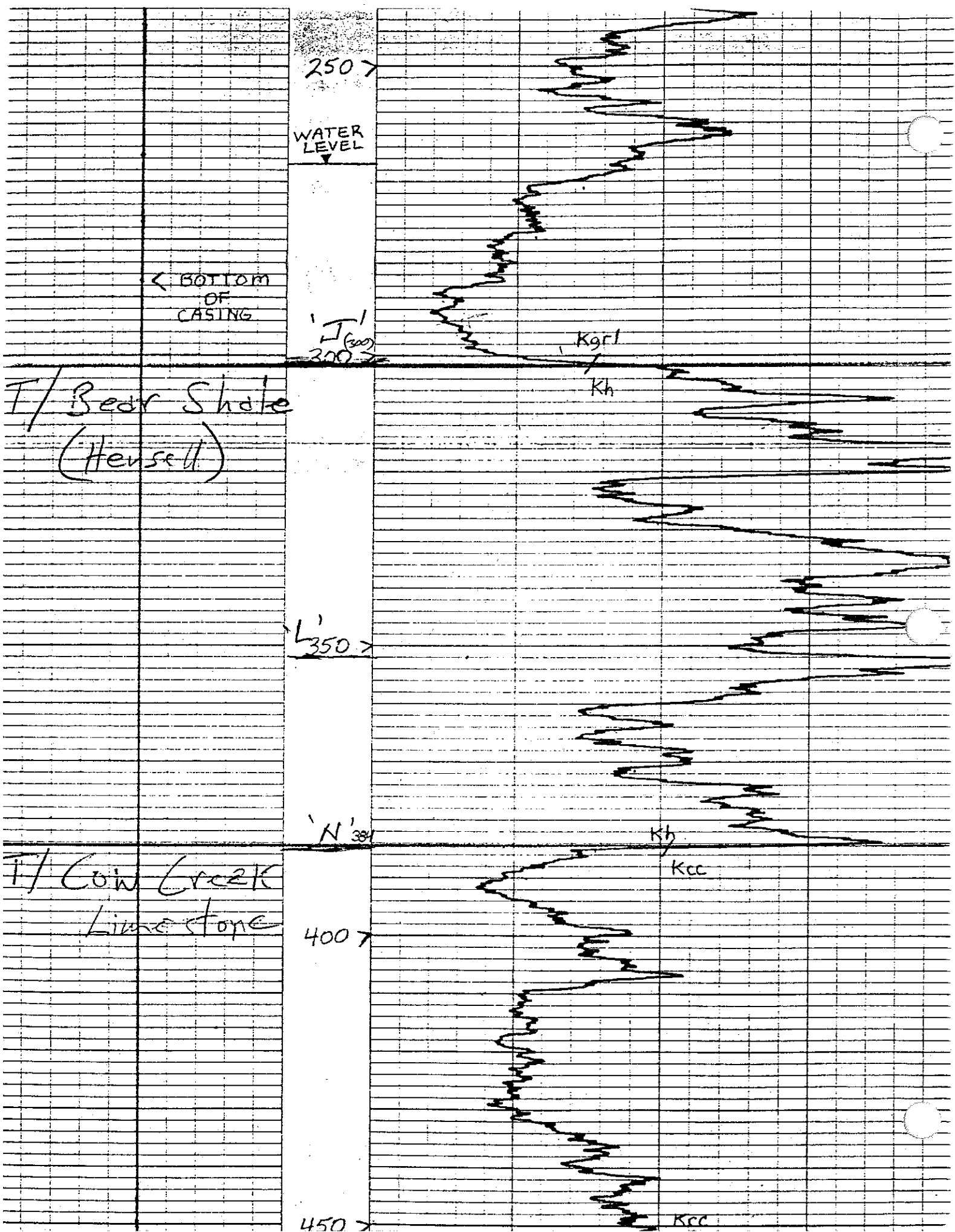
170'

200 >

250 >

WATER LEVEL  
▼





CASINO

T  
300

T/Bear Shale  
(Hensell)

Kgrl

Kh

L' 350

'N' 384

Kh

Kcc

T/Cow Creek  
Limestone

400

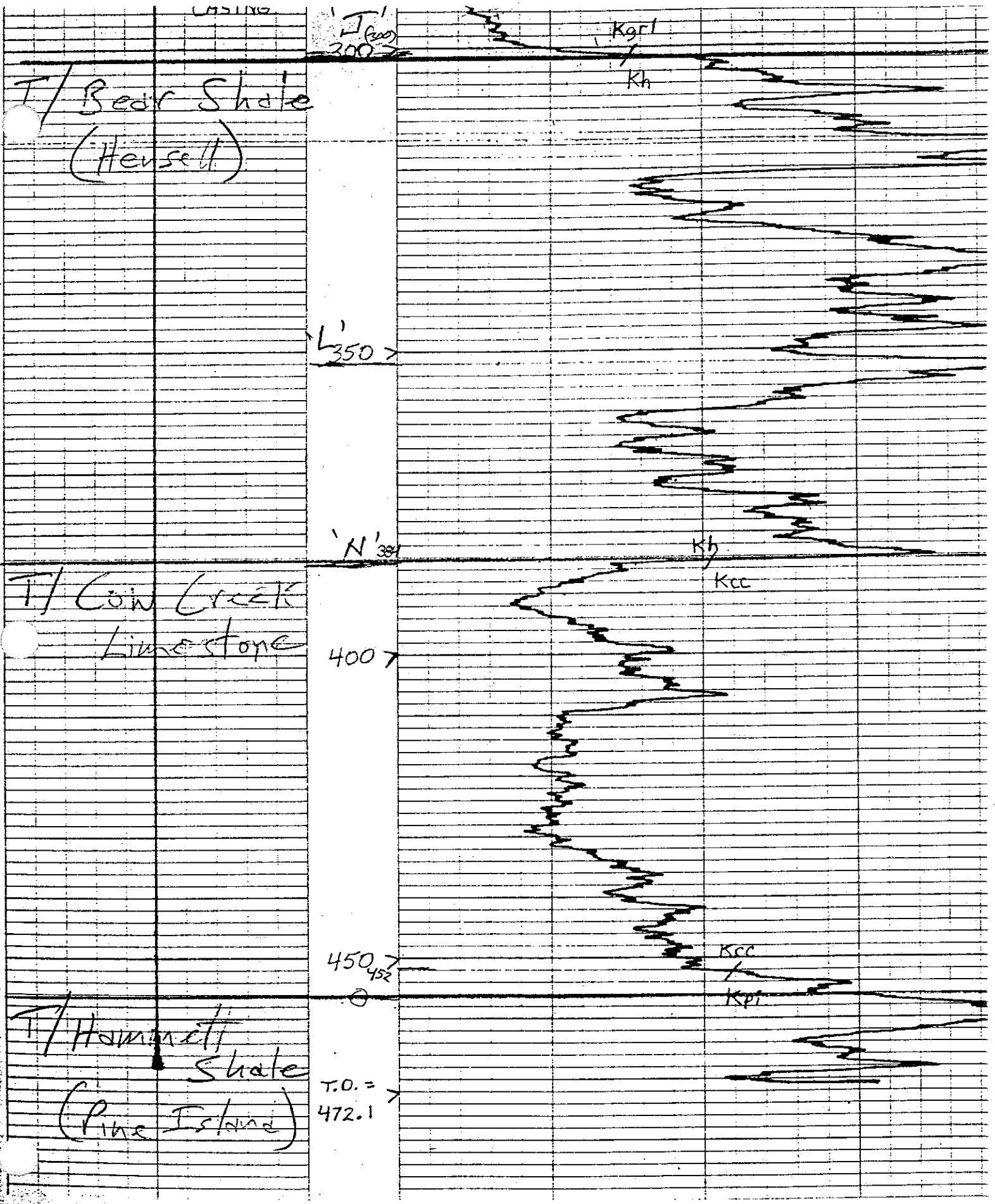
450  
452

Kcc

Kpt

T/Hammett  
Shale  
(Pine Island)

T.O. =  
472.1



EDWARDS UNDERGROUND WATER DISTRICT  
CALIPER LOG

DATE: 01-SEP-89

WELL NO: AY 68-19-6

LATITUDE: 29-40-50

WELL DEPTH: 472.1

LONGITUDE: 98-38-12

(ft below LSD)

(deg-min-sec)

OWNER: HANK DOUGHTRY

LOCATION: 0.7 mi. FROM E. LINE & 3.83 mi. FROM S. LINE OF AY-68-19

DRILLER: COURTNEY DRILLING

DRILLING METHOD: AIR ROTARY

CASING (1) DIA: 6.250 FROM: 0.0 TO: 287.0 (dia = ID in inches)

(2) DIA: 0.000 FROM: 0.0 TO: 0.0

HOLE (1) DIA: 0.000 FROM: 0.0 TO: 0.0 (depths = feet)

(2) DIA: 0.000 FROM: 0.0 TO: 0.0

LOG OPERATOR: JDB LOG MP=LAND SURFACE DATUM(LSD) LOG TD: 470.0 LSD: 1159.00

ELECTRIC LOG: NO GAMMA LOG: YES (LSD fr TOPO SHT)

WATER LEVEL (ft below LSD): 266.63

LOG SPEED: 30 (ft / min) VERTICAL SCALE: 5 (inches / 100 ft)

CALIPER CALIBRATED FROM: 6 TO: 10 (inches)

COMMENTS: New public supply well.

DEPTH

CALIPER LOG

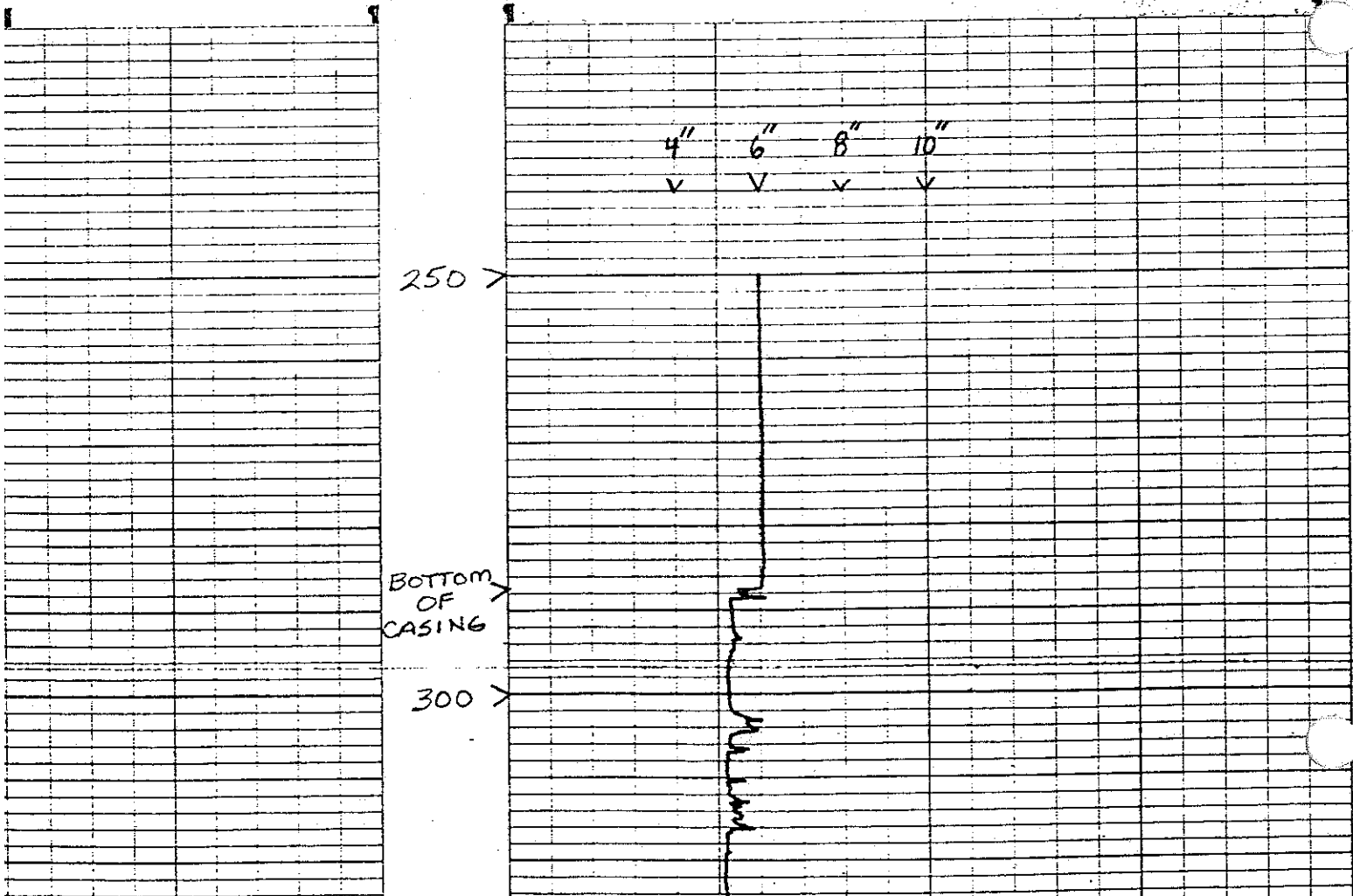
DIAMETER OF HOLE INCREASES ----->

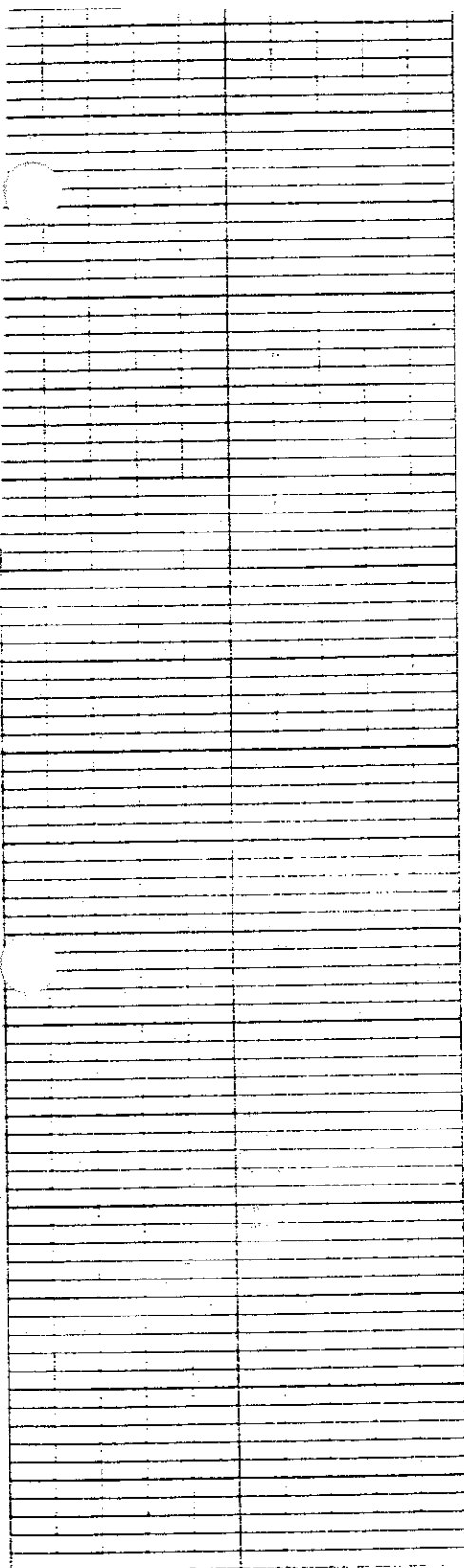
4" 6" 8" 10"  
v v v v

250 >

BOTTOM OF CASING >

300 >



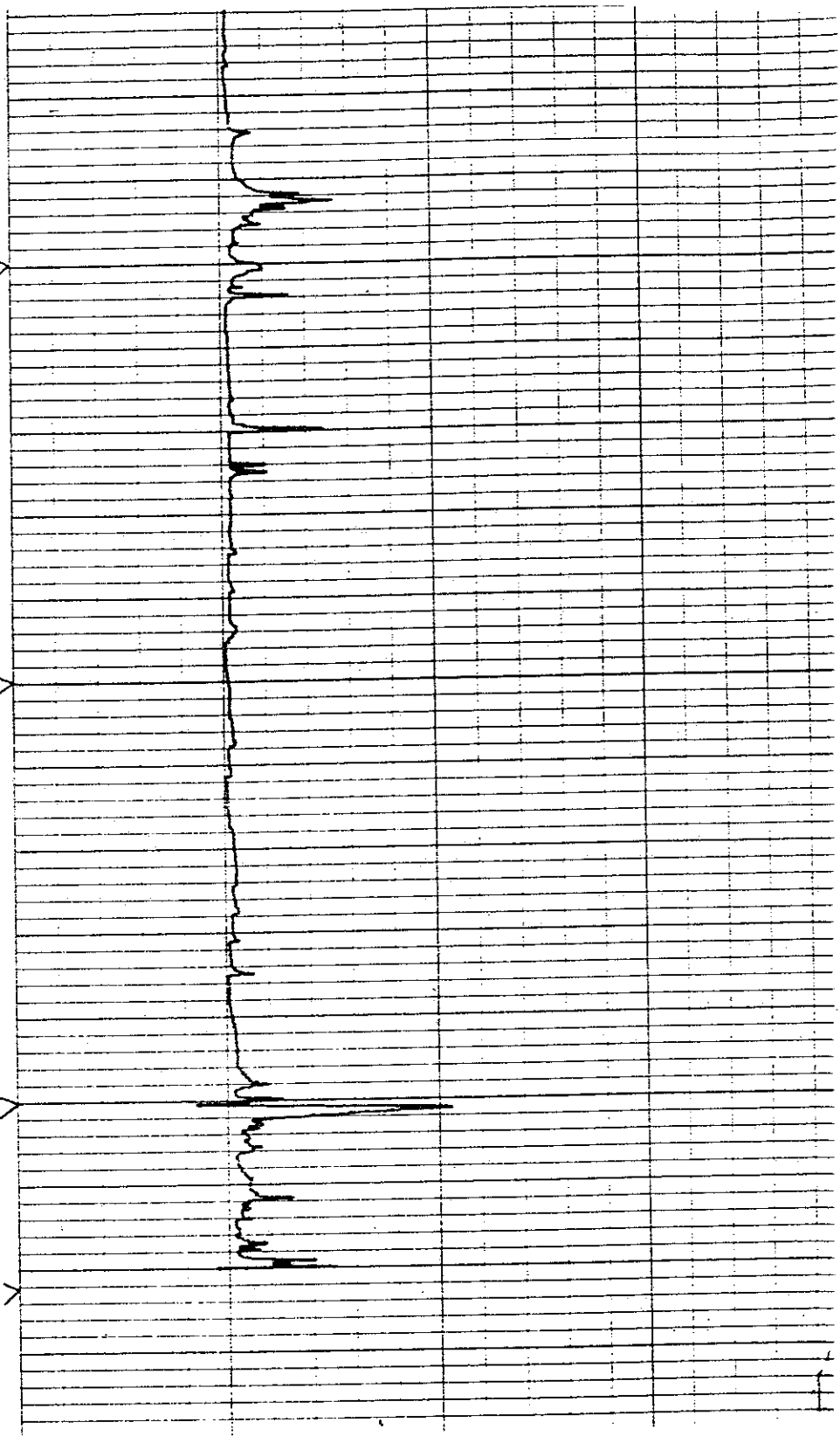


350 >

400 >

450 >

T.O. =  
472.1 >



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# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: LS-1

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-402
<i>Current Owner:</i>	Bexar Metro Water
<i>Original Owner:</i>	Leon Springs Villa
<i>Physical Address:</i>	25415 Brewer Dr.
<i>Location/Subdivision:</i>	Leon Springs Villa

<i>Latitude (UTM):</i>	3283007
<i>Longitude (UTM):</i>	536214
<i>Elevation (Feet MSL):</i>	1190

## WELL COMPLETION DATA

<i>Date Drilled:</i>	01-Jan-33
<i>Well Depth (feet bgs):</i>	435
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Lower Glen Rose/Cow Creek*

## OTHER NOTES

TEXAS WATER DEVELOPMENT BOARD  
WELL SCHEDULE

2 Glen Rose, Hensell  
Aquifer Low Level

Field No. \_\_\_\_\_  
Owner's Well No. 1

State Well No. 68-20-402  
County Bexar

1. Location: 24 24 Sec., Block \_\_\_\_\_ Survey \_\_\_\_\_  
25415 Brewer Dr.
2. Owner: Leon Springs Villa Water Co. Address: 25211 Ada Mae Leon Springs  
 Name: Harold E. Newman Address: 25202 Ina Ruth Parkway, Leon Springs  
 Driller: Haskin Pump Service Inc. Address: \_\_\_\_\_
3. Elevation of \_\_\_\_\_ is 1190 ft. above sea level, determined by Topo
4. Drilled: oil \_\_\_\_\_ ft. \_\_\_\_\_ : Dig, Cable Tool, Rotary
5. Depth: Rept. 425 ft. Meas. \_\_\_\_\_ ft.
6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packd
7. Pump: Mfg. \_\_\_\_\_ Type Submersible  
 No. Stages \_\_\_\_\_, Bowls Diam. \_\_\_\_\_ in., Setting \_\_\_\_\_ ft.  
 Casing Diam. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.
8. Motor: Pwd. Elec Make & Model \_\_\_\_\_ HP. 7 1/2
9. Yield: Flow \_\_\_\_\_ gpm, Pump \_\_\_\_\_ gpm, Meas., Rept., Est. \_\_\_\_\_
10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_  
 Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.  
 Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.
11. Water Level: \_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above/below \_\_\_\_\_ which is \_\_\_\_\_ ft. above/below surface.  
 \_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above/below \_\_\_\_\_ which is \_\_\_\_\_ ft. above/below surface.  
 \_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above/below \_\_\_\_\_ which is \_\_\_\_\_ ft. above/below surface.  
 \_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above/below \_\_\_\_\_ which is \_\_\_\_\_ ft. above/below surface.
12. Use: Dom., Stock, Public Supply, Irr., Waterflooding, Observation, Not Used.
13. Quality: (Remarks on taste, odor, color, etc.)  
 Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
 Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
 Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_
14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log,  
 Formation Samples, Pumping Test.
15. Record by: John Ashworth Date 2-12-1976  
 Source of Data Owner, Field Visit
16. Remarks:  
\* Leon Springs Mobile Home Villa


CASING & HEAD PIPE			
Diam. (in.)	Type	Setting, ft.	
		From	To

WELL SCREEN			
Diam. (in.)	Type	Setting, ft.	
		From	To

**REQUEST FOR CHEMICAL ANALYSIS OF WATER**  
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES  
 1100 WEST 6TH STREET AUSTIN, TEXAS 78704

**IMPORTANT - READ CAREFULLY**

This form must be completed by the person requesting the analysis. Care should be given to the instructions of water from public supply system the  
 location of collection is indicated on the report. If the supply is not a public supply, the location should be clearly stated. The public supply  
 location of the source for collection, the date and time of collection, and the name of the person collecting the sample should be stated. Please  
 do not use the same water repeatedly. (This form is to be used only for water from public supply systems. It should not be used for other types of water.)

Location Leon Springs Villa Water Company  
2415 S. 2nd Street, Leon

LOCATION Smith City, Estancia, Tex.  
 COUNTY Brewer  
 DATE COLLECTED 7/15/72  
 OWNERSHIP OF SUPPLY  
Smith City Estancia, Tex.  
Dr. J. S. Smith & R. P. Lenz

IF FROM WELL POINT OF COLLECTION PHYSICAL APPEARANCE  
 Clear \_\_\_\_\_  
 Turbid \_\_\_\_\_  
 Colored \_\_\_\_\_  
 Odor \_\_\_\_\_

IF FROM PUBLIC SUPPLY  
 Name of source \_\_\_\_\_  
 Remarks \_\_\_\_\_

**CHEMICAL ANALYSIS REPORT**

Volume analyzed 20.0 ml Date analyzed 7/21/72 Date received 7/26/72  
 Calcium 120 mg/l Carbonate 0 mg/l Dissolved solids 570 mg/l  
 Magnesium 16 mg/l Sulfonate 317 mg/l Phenolphthalein \_\_\_\_\_  
 Sodium 7 mg/l Sulfate 94 mg/l Acidity as CaCO<sub>3</sub> 0 mg/l  
 Chloride 13 mg/l Total Acidity as CaCO<sub>3</sub> 260 mg/l  
 Fluoride 0.1 mg/l Total Hardness as CaCO<sub>3</sub> 366 mg/l  
 Nitrate 2.5 mg/l  
 Diluted Conductance (Microhm/cm) 765

68-20-402

**REQUEST FOR CHEMICAL ANALYSIS OF WATER**  
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES  
 1180 WEST 49th STREET AUSTIN, TEXAS 78756

**IMPORTANT - READ CAREFULLY:**  
 All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the distribution of which is requested by a proper official. If the supply being sampled is of public interest without previously serving the public, an application of the proper authorities for requesting the analysis should be furnished under "Remarks" by attaching a written explanatory statement. Please complete the form with appropriate check (initial) or other notation using ink pen or black ink. A ball point pen should not be used.

Local Springs Mills Water Company  
2845 San Raulo Parkway  
San Antonio, Texas 78228

LOCATION North Lake City, Tex.  
 COUNTY Brewster  
 DATE COLLECTED 7/4/78  
 OWNERSHIP OF SUPPLY:  
North Lake Estates, Inc.  
E. J. Smith

**IF FROM WELL**  
 Depth \_\_\_\_\_  
 Age \_\_\_\_\_  
 Well No. 21  
**POINT OF COLLECTION**  
 Raw Supply Well head  
 Plant Discharge \_\_\_\_\_  
 Distribution \_\_\_\_\_  
 Other \_\_\_\_\_  
**PHYSICAL APPEARANCE**  
 Color light  
 Turbid \_\_\_\_\_  
 Colored \_\_\_\_\_  
 Other \_\_\_\_\_

**IF SURFACE SUPPLY**  
 Name of source \_\_\_\_\_

**REMARKS:**  
 Signature of Public Official, Water Utility Officer, or authorized representative requesting the analysis  
[Signature]  
 (Signature) \_\_\_\_\_  
 Address of Official \_\_\_\_\_

**FOR LABORATORY USE ONLY**

**CHEMICAL ANALYSIS REPORT**  
 (Values reported are for minerals in solution)

Lab. No. 252828 Date Received JUL 27 1978 Date Reported \_\_\_\_\_

Calcium _____ <u>106</u> _____	Carbonate _____ <u>0</u> _____	Dissolved solids _____ <u>530</u> _____
Magnesium _____ <u>16</u> _____	Bicarbonate _____ <u>355</u> _____	Bismalephthalate _____
Sodium _____ <u>11</u> _____	Sulphate _____ <u>22</u> _____	Alkalinity as CaCO <sub>3</sub> _____ <u>9</u> _____
Noncarbonate _____ <u>40.05</u> _____	Chloride _____ <u>18</u> _____	Total Alkalinity as CaCO <sub>3</sub> _____ <u>291</u> _____
Iron _____ <u>40.02</u> _____	Fluoride _____ <u>0.3</u> _____	Total Hardness as CaCO <sub>3</sub> _____ <u>332</u> _____
pH _____ <u>7.7</u> _____	Nitrate _____ <u>6</u> _____	
	Diluted Conductance Microhm/cm _____ <u>680</u> _____	

**RECOMMENDED LIMITS FOR PUBLIC SUPPLY IN MILLIGRAMS PER LITER**

IRON	0.3	FLUORIDE	0.4-1.0
HARDNESS	0-50	NITRATE	50
SULPHATE	250	TOTAL SOLIDS	500
CALCIUM	250		

RE TEST FOR CHEMICAL ANALYSIS OF WATER  
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES  
 1100 WEST 49th STREET AUSTIN, TEXAS 78756

**IMPORTANT - READ CAREFULLY.**  
 All requests must be signed by the person conducting the analysis. Chemical analyses are limited to samples of water from public supplies the maintenance of which is required by a proper official. If the supply being sampled is of public interest and not primarily serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (block letters) or print plainly using sets pens or ball pen. A ball point pen should not be used.

Send report on:

Louis Springs Villa Water Company  
2612 Sam Rains Parkway  
1001 E. Lucas, Texas 78221

LOCATION Louis Springs Mobile Home Villa

COUNTY Reagan

DATE COLLECTED 7/4/73

OWNERSHIP OF SUPPLY:

Louis Springs Villa Water Company

Harold L. Newman

IF FROM WELL	POINT OF COLLECTION	PHYSICAL APPEARANCE
Depth _____	Raw Supply <u>Well head</u>	Clear <u>Very</u>
Age _____	Plant Discharge _____	Turbid _____
Well No. <u>1</u>	Distribution _____	Colored _____
	Other _____	Odor _____

IF SURFACE SUPPLY  
 Name of source \_\_\_\_\_

REMARKS \_\_\_\_\_

Signature of Public Official, Water Utility Official or authorized representative as required by the analyzer: \_\_\_\_\_

\_\_\_\_\_  
 (Signature) \_\_\_\_\_ (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

Laboratory No. 252824 Date Received JUL 27 1973 Date Reported \_\_\_\_\_

Calcium _____	Milligrams per Liter <u>79</u>	Carbonate _____	Milligrams per Liter <u>0</u>	Dissolved Solids _____	Milligrams per Liter <u>484</u>
Magnesium _____	<u>27</u>	Bicarbonate _____	<u>334</u>	Phenolphthalein _____	
Sodium _____	<u>7</u>	Sulphate _____	<u>18</u>	Alkalinity as CaCO <sub>3</sub> _____	<u>0</u>
Manganese _____	<u>&lt; 0.05</u>	Chloride _____	<u>13</u>	Total Alkalinity as CaCO <sub>3</sub> _____	<u>274</u>
Iron _____	<u>0.06</u>	Fluoride _____	<u>0.5</u>	Total Hardness as CaCO <sub>3</sub> _____	<u>308</u>
		Nitrate _____	<u>4.9</u>		

pH 7.6 Distilled Conductance Micromhos/cm 616

RECOMMENDED LIMITS FOR DRINKING WATER (MILLIGRAMS PER LITER)

IRON	0.3	FLUORIDE	0.8-1.6
MANGANESE	0.05	NITRATE	45
SULPHATE	200	TOTAL SOLIDS	500
CHLORIDE	250		



# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: LS-2

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-606
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Leon Springs Villa
<i>Physical Address:</i>	25300 Farenthold
<i>Location/Subdivision:</i>	Leon Springs Villa

<i>Latitude (UTM):</i>	3283048
<i>Longitude (UTM):</i>	535590
<i>Elevation (Feet MSL):</i>	1170

## WELL COMPLETION DATA

<i>Date Drilled:</i>	01-Jun-67
<i>Well Depth (feet bgs):</i>	450
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	348
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	275 01-Jun-67
<i>Production Zone(s):</i>	Cow Creek*

## OTHER NOTES

TEXAS WATER DEVELOPMENT BOARD  
WELL SCHEDULE

Aquifer Cow Creek

Field No. \_\_\_\_\_  
Owner's Well No. 2

State Well No. 68-19-606  
County Bexar

1. Location: 1/4 Sec. 25300 Fahrenthol, Block \_\_\_\_\_, Survey \_\_\_\_\_
2. Owner: Leon Springs Villa Water Co. Address: 25211 Ada Ave., Leon Springs  
Herald E. Newman Address: 25202 Iowa Park Parkway, Leon Springs  
 Driller: Harden Pump & Service Inc. Address: \_\_\_\_\_
3. Elevation of LSD is 1170 ft. above sea, determined by T.I.P.O.
4. Drilled: JUNE 19 67, by Aug. Cable Tool, Rotary
5. Depth: Rept. 415 ft. Meas. \_\_\_\_\_ ft.
6. Completion: Open Hole, Straight Well, Underreamed, Gravel Packed
7. Pump: MFR. \_\_\_\_\_ Type Submersible  
 No. Stages \_\_\_\_\_, Bore Dia. \_\_\_\_\_ in., Setting \_\_\_\_\_ ft.  
 Column Dia. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.
8. Motor: Pool ELFC Make & Model \_\_\_\_\_ HP 10
9. Yield: Flow \_\_\_\_\_ gpm, Pump \_\_\_\_\_ gpm, Meas., Rept., Est. \_\_\_\_\_
10. Performance Tests: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_  
 Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.  
 Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.
11. Water Level: 275 ft. JUNE 19 67 DL  
 ft. reft. \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
 \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
 ft. reft. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
 \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
 ft. reft. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
 \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.
12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used
13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_  
 Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
 Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
 Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_
14. Other data available as circled: Miller's Log Radioactivity Log, Electric Log,  
 Formation Samples, Pumping Test.
15. Record by: John Ashworth Date 2-12 1976  
 Source of Data Owner, Field visit
16. Remarks: Leon Springs Mobile Home Villa


CASING & BARK PIPE			
Connected From		ft. to	
Diam. (in.)	Type	Setting, Ft.	
		From	To
7.00	Steel	0	348

WELL SCREEN			
Screen Openings		Setting, Ft.	
Diam. (in.)	Type	From	To
	open hole	348	415



Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas Department of Health Laboratories  
1100 West 49th Street  
Austin, Texas 78756

**TDWR ONLY**

Or Station No. \_\_\_\_\_ Lab No.   

Work No. \_\_\_\_\_

**CHEMICAL WATER ANALYSIS REPORT**

Send report to:

Data Collection and Evaluation Section  
Texas Department of Water Resources  
P.O. Box 13087  
Austin, Texas 78711

Analysis copied from  
Texas Department of  
Health Files

County 015 **BEXAR**

State Well No. 68 19 606

Well No. 2

Date Collected 01 24 68

Owner LEON SPRINGS MOBILE HOME VILLA Send copy to owner Sample No.    By CSP

Address \_\_\_\_\_ Well Location \_\_\_\_\_

Date Drilled 1968 Depth 450 ft. WBF \_\_\_\_\_ Source (type of well) \_\_\_\_\_

Producing intervals \_\_\_\_\_ Water level \_\_\_\_\_ ft. Sample depth          ft.

Sampled after pumping \_\_\_\_\_ hrs. Yield \_\_\_\_\_ GPM (total) (net) Temperature    °F    °C

Point of collection \_\_\_\_\_ Appearance  clear  turbid  colored  other

Use \_\_\_\_\_ Remarks \_\_\_\_\_

(FOR LABORATORY USE ONLY)

**KEY FINDER CHEMICAL ANALYSIS**

Laboratory No. \_\_\_\_\_ Date Received \_\_\_\_\_ Date Reported 2-26-68

	MG/L	ME/L		MG/L	ME/L
Silica . . . 00955 . . .			Carbonate . . . 00445 . . .		
Calcium . . . 00910 . . .	137		Bicarbonate . . . 00440 . . .	423	
Magnesium . . . 00920 . . .	KEY FINDER		Sulfate . . . 00945 . . .	18	
Sodium . . . 00929 . . .	12		Chloride . . . 00940 . . .	17	
Total			Fluoride . . . 00951 . . .	0.3	
<input type="checkbox"/> Potassium . . . 00937 . . .			Nitrate . . . 71850 . . .	29.00	
<input type="checkbox"/> Manganese . . . 01055 . . .	20.05	KMs _____	pH . . . 00403 . . .	7.8	Total
<input type="checkbox"/> Boron . . . 01022 . . .		SAR _____	* Dissolved Solids (residue at 180°C) . . . 70300 . . .		650
<input type="checkbox"/> Total Iron . . . 01045 . . .	0.04	RSC _____	Phenolphthalein Alkalinity as CaCO <sub>3</sub> . . . 00415 . . .		0
<input type="checkbox"/> (other) _____ MG/L			Total Alkalinity as CaCO <sub>3</sub> . . . 00410 . . .		347
Specific Conductance (micromhos/cm <sup>2</sup> ) 00095 _____			Total Hardness as CaCO <sub>3</sub> . . . 00900 . . .		387
Diluted Conductance (micromhos/cm <sup>2</sup> ): _____			Ammonia - N . . . Nitrogen Cycle . . . 00610 . . .		
x _____ = <span style="border: 1px solid black; padding: 2px;">835</span>			Nitrite - N . . . 00615 . . .		
<input type="checkbox"/> Items will be analyzed if checked.			Nitrate - N . . . 00620 . . .		
* The bicarbonate reported in this analysis can be converted by concentration (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.			Organic Nitrogen . . . 00605 . . .		
* Nitrogen cycle requires separate sample.			Analyst _____		Checked By _____
Total Iron and Manganese require separate sample.					

TWDS 0148 (Rev. 04-07-65)

**REQUEST FOR CHEMICAL ANALYSIS OF WATER**  
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES  
 1100 WEST 49th STREET AUSTIN, TEXAS 78756

**IMPORTANT - READ CAREFULLY:**

All requests must be obtained by the person requesting the analysis. Chemical analysis will be done on samples of water from public supplies the composition of which is requested by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attach as a separate explanatory sheet. Please complete the form with typewritten (black ribbon) or print plainly using self-correcting ballpoint ink. A ballpoint pen should not be used.

Send report to:

Lone Springs Villa Water Company  
2416 Live Oak Parkway  
San Antonio, Texas 78228

LOCATION Inside City Colored, Sta.

COUNTY Davos

DATE COLLECTED 7/4/77

OWNERSHIP OF SUPPLY:

Local City Colored, Inc.  
A. J. Smith

**IF FROM WELL**

Depth \_\_\_\_\_  
 Age \_\_\_\_\_  
 Well No. 2

**POINT OF COLLECTION**

Raw Supply Well head  
 Plant Discharge \_\_\_\_\_  
 Distribution \_\_\_\_\_  
 Other \_\_\_\_\_

**PHYSICAL APPEARANCE**

Color Clear  
 Turbid \_\_\_\_\_  
 Odor \_\_\_\_\_  
 Taste \_\_\_\_\_

**IF SURFACE SUPPLY**

Name of source \_\_\_\_\_

**REMARKS:**

Signature of Public Official, Water Utility Official, or other authorized representative of the agency requesting the analysis: \_\_\_\_\_  
 (Signature)  
 SAN ANTONIO METROPOLITAN HEALTH DISTRICT  
 Environmental Sanitation Division  
 231 W. Meaco Street  
 San Antonio, Texas 78204

**FOR LABORATORY USE ONLY**

**CHEMICAL ANALYSIS REPORT**

(Values reported are for inorganic in water)

Laboratory No. 252820

Date Received JUL 27 1977

Calcium 107  
 Magnesium 16  
 Sodium 9  
 Manganese <0.05  
 Iron <0.02

Carbonate 2  
 Bicarbonate 355  
 Sulfate 34  
 Chloride 16  
 Fluoride 0.3  
 Nitrate 6

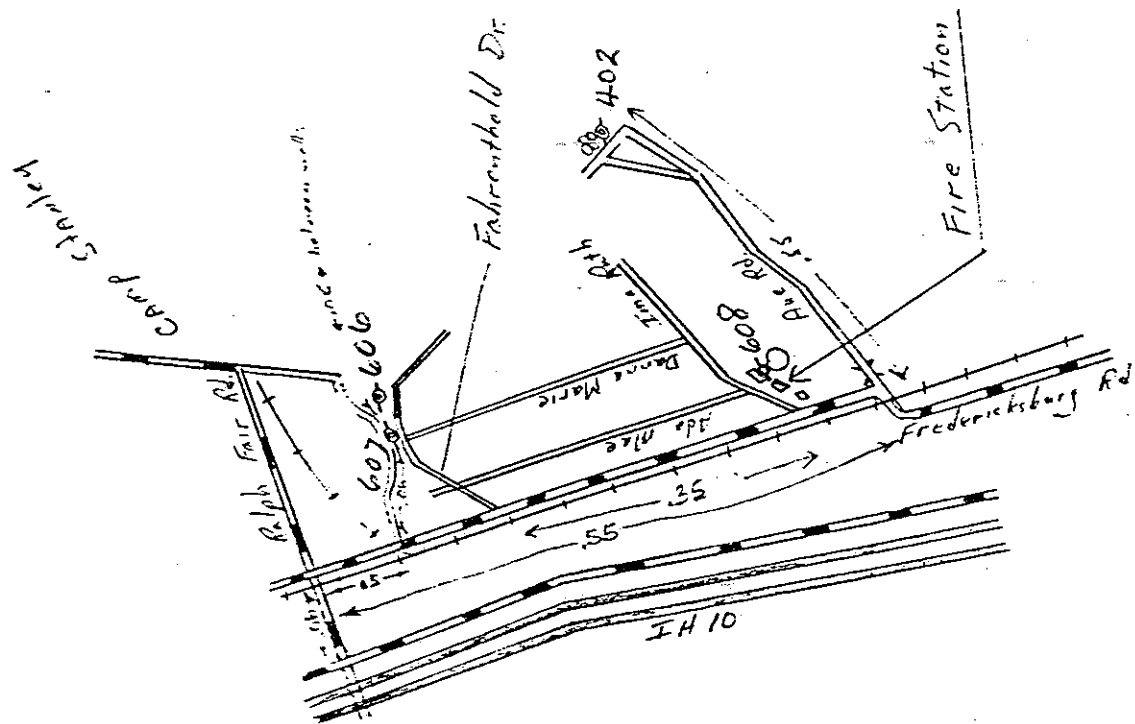
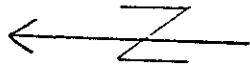
Dissolved Solids 530  
 Total Alkalinity 6  
 Total Alkalinity as CaCO<sub>3</sub> 291  
 Total Hardness as CaCO<sub>3</sub> 333

pH 7.4

Diluted Conductance Microhm/cm 680

IRON	1.2	FLUORIDE	0.5
MANGANESE	0.05	NITRATE	50
SULFATE	250	CHLORIDE	100
CHLORIDE	250		

68-19-606



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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES

MAP REFERENCE NO: LS-3

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-607
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Leon Springs Villa
<i>Physical Address:</i>	Farenthold Circle/ Danna Marie Drive
<i>Location/Subdivision:</i>	Leon Springs Villa

<i>Latitude (UTM):</i>	3283012
<i>Longitude (UTM):</i>	535516
<i>Elevation (Feet MSL):</i>	1160

### WELL COMPLETION DATA

<i>Date Drilled:</i>	08-Feb-70
<i>Well Depth (feet bgs):</i>	404
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	312
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES

TEXAS WATER DEVELOPMENT BOARD  
WELL SCHEDULE

Aquifer Cow Creek

Field No. \_\_\_\_\_  
Owner's Well No. # 3

State Well No. 68-19-607  
County Brewer

1. Location: 1/4 Sec. 1/4 Sec. Block \_\_\_\_\_ Survey \_\_\_\_\_  
Fahrentz Circle and Donna Marie Drive
2. Owner: Leon Springs Mobile Home Villa Address: 25211 Ada Mae, Leon Springs  
Contact: Hercell E. Newman Address: 25202 Irma Ruth Parkway  
Driller: Haskin Pump & Service Inc. Address: \_\_\_\_\_


3. Elevation of LSD is 1160 ft. above sea level, determined by Tape
4. Drilled: 19 70; Log, Cable Tool, Rotary
5. Depth: Rept. 404 ft. Meas. \_\_\_\_\_ ft.

CASING & BARK PIPE			
Connected From		ft. to	
Dim. (in.)	Type	Setting, ft.	
		from	to
<u>7 1/2</u>	<u>Steel</u>	<u>0</u>	<u>312</u>

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed
7. Pump: ASGR Type Submersible  
No. Stages \_\_\_\_\_ Bore Dia. \_\_\_\_\_ in., Setting \_\_\_\_\_ ft.  
Column Dia. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: Pool Elec Make & Model \_\_\_\_\_ HP 7 1/2

9. Yield: Flow \_\_\_\_\_ gpm, Pump \_\_\_\_\_ gpm, Meas., Rept., Est. \_\_\_\_\_

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_  
Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.  
Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Water Level: \_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
\_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. below surface.  
\_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
\_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. below surface.  
\_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ above \_\_\_\_\_ which is \_\_\_\_\_ ft. above surface.  
\_\_\_\_\_ ft. Rept. \_\_\_\_\_ 19 \_\_\_\_\_ below \_\_\_\_\_ which is \_\_\_\_\_ ft. below surface.

12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflood, Observation, Not Used.

13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_  
Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_  
Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

WELL SCREEN			
Screen Openings		Setting, ft.	
Dim. (in.)	Type	from to	
	<u>open hole</u>	<u>312</u>	<u>404</u>

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log,  
Formation Samples, Pumping Test.

15. Record by: John Ashworth Date 2-12-1976

- Source of Data Owner, Field visit

16. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



REQUEST FOR CHEMICAL ANALYSIS OF WATER  
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES  
 100 WEST 49th STREET AUSTIN, TEXAS 78756

★ **PLEASE READ CAREFULLY**  
 This form is to be signed by the person requesting the analysis. The chemical analyses are performed on samples of water from public supplies the collection of which is requested by a permit official. If the samples are not collected at public premises and not presented promptly to the public, an analysis will not be made for requesting the analysis. The samples should be furnished under the following conditions: a) samples should be collected in clean, white, opaque (black rubber) or polyethylene using airtight containers. A full gallon jar should not be used.

NAME: W. B. Smith  
25211 Adair  
San Antonio, Texas 78228

LOCATION: \_\_\_\_\_  
 COUNTY: Brewer  
 DATE COLLECTED: 11-10-81  
 SOURCE OF SUPPLY: Acorn Springs Mobile Villa

IF FROM WELL: \_\_\_\_\_ POINT OF COLLECTION: Raw Supply of well INITIAL APPEARANCE: \_\_\_\_\_  
 Depth: \_\_\_\_\_ Plant Discharge: \_\_\_\_\_  
 Well No. 2 Distribution: \_\_\_\_\_  
 Other: \_\_\_\_\_

IF SURFACE SUPPLY: \_\_\_\_\_  
 Name of source: \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 Name of analyst: D. W. Finlayson, R.S.  
 Date of report: \_\_\_\_\_

**CHEMICAL ANALYSIS REPORT**  
 (Values reported are for 100 ml. of water)

Calcium	Carbonate	Chloride
Magnesium	Bicarbonate	Phosphate
Sulfate	Sulfate	Iron as Fe <sub>2</sub> O <sub>3</sub>
Copper	Fluoride	Total Hardness as CaCO <sub>3</sub>
Nitrate	Nitrate	
Diluted Conductance		

212119 Date Rec'd: DEC 1 1981 Lab No: 10021  
 603 bottle  
 7.7 Diluted Conductance: 122

68-19-607



REQUEST FOR CHEMICAL ANALYSIS ORDER  
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES  
 1108 WEST 49th STREET AUSTIN, TEXAS 78756

IMPORTANT - READ CAREFULLY.

All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the responsibility of which is assumed by a proper official. If the sample being analyzed is of public concern and not primarily serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with appropriate (black ink) or blue pencil using only pencil or black ink. A ball point pen should not be used.

Send report to:

Lone Springs Villa Water Company  
2818 South Park Parkway  
San Antonio, Texas 78228

LOCATION Lone Springs Abilene Home Villa  
 COUNTY Daguerre  
 DATE COLLECTED 7/14/73  
 OWNERSHIP OF SUPPLY:  
Lone Springs Villa Water Company  
Harold L. Sumner

IF FROM WELL	POINT OF COLLECTION	PHYSICAL APPEARANCE
Depth _____	Raw Supply <u>Well Head</u>	Clear <u>Very</u>
Age _____	Pipe Discharge _____	Turbid _____
Well No. <u>?</u>	Distribution _____	Colored _____
	Other _____	Odor _____

IF SURFACE SUPPLY

Name of source \_\_\_\_\_

REMARKS \_\_\_\_\_

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis \_\_\_\_\_

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for a sample in solution)

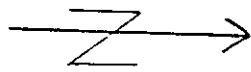
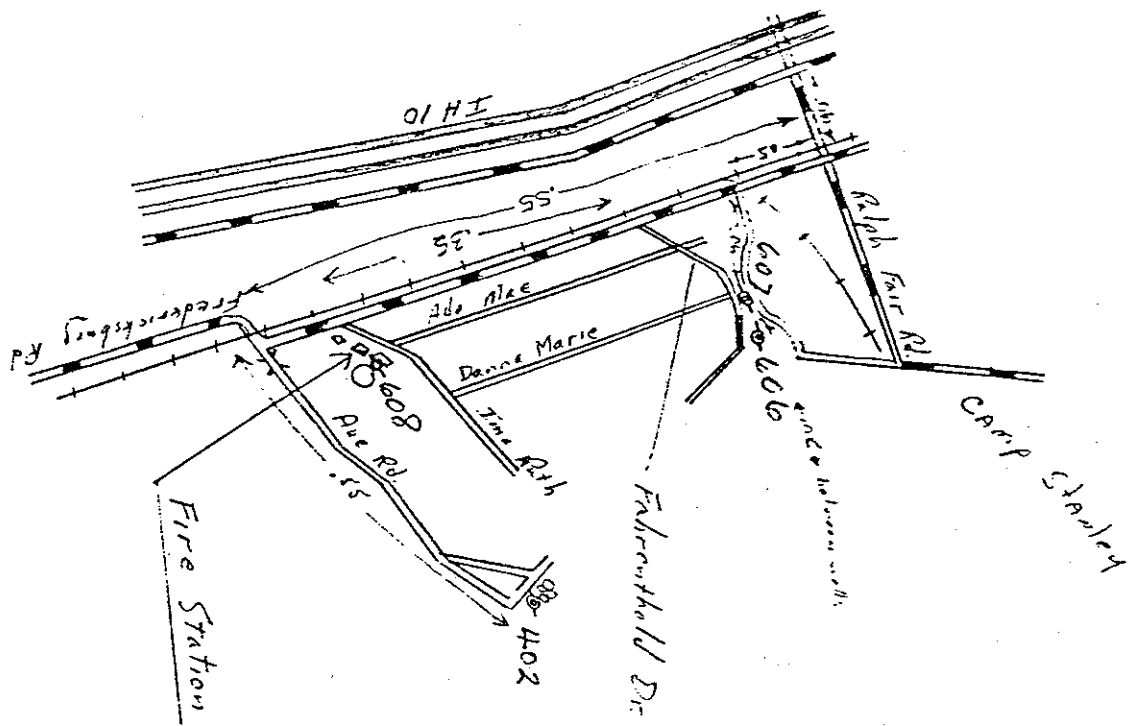
252826  
 Laboratory No. \_\_\_\_\_ Date Received JUL 27 1973 Date Reported 8/1/73  

Calcium <u>87</u> Milligrams per Liter	Carbonate <u>0</u> Milligrams per Liter	Dissolved Solids <u>570</u> Milligrams per Liter
Magnesium <u>31</u>	Bicarbonate <u>388</u>	Phosphates _____
Sodium <u>15</u>	Sulfate <u>18</u>	Alkalinity as CaCO <sub>3</sub> <u>0</u>
Manganese <u>0.05</u>	Chloride <u>19</u>	Total Alkalinity as CaCO <sub>3</sub> <u>318</u>
Iron <u>0.02</u>	Fluoride <u>0.6</u>	Total Hardness as CaCO <sub>3</sub> <u>346</u>
	Nitrate <u>13</u>	

  
 pH 7.5 Diluted Conductance Microhm/cm 750

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER		
IRON	0.3	FLUORIDE 0.8 TO 1.5
MANGANESE	0.05	NITRATE 50
SULFATE	500	TOTAL SOLIDS 500
CHLORIDE	250	

68-19-607



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<1 MILES  
MAP REFERENCE NO: LS-4

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-19-608
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Leon Springs Villa
<i>Physical Address:</i>	24818 Ima Ruth Parkway
<i>Location/Subdivision:</i>	Leon Springs Villa

<i>Latitude (UTM):</i>	3282429
<i>Longitude (UTM):</i>	535735
<i>Elevation (Feet MSL):</i>	1145

### WELL COMPLETION DATA

<i>Date Drilled:</i>	03-Jun-71
<i>Well Depth (feet bgs):</i>	505
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	205
<i>Well Diameter (inches):</i>	8
<i>Pump Depth (feet bgs):</i>	420

<i>Well Yield (gpm):</i>	
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	268 03-Jun-71
<i>Production Zone(s):</i>	Glen Rose*

### OTHER NOTES

Located next to Leon Springs Fire Station

Send original copy by  
 Registered mail to the  
 Texas Water Development Board  
 P. Box 12386  
 Austin, Texas 78711

State of Texas  
 WATER WELL REPORT

For TWDB use only  
 Well No. 68-19-62  
 Located on Map 445  
 Received 7/4/5

OWNER:  
 Person having well drilled LEON SPRINGS MOBILE VILLAGE 25211 ADA MAE  
 (Name) (Street or RFD) (City) (State)  
 Landowner SAME Address SAN ANTONIO - TEXAS  
 (Name) (Street or RFD) (City) (State)

LOCATION OF WELL:  
 County BEZAR 17 miles to NW direction from SAN ANTONIO  
 (City) (Town) (City) (State)

Locate by sketch map showing landmarks, roads, creeks,  
 highway number, etc.\*  
 North  
 ↑  
 (Use reverse side if necessary)

Give legal location with distances and directions from  
 adjacent sections or survey lines.  
 Labor \_\_\_\_\_ League \_\_\_\_\_  
 Block \_\_\_\_\_ Survey \_\_\_\_\_  
 Abstract No. \_\_\_\_\_  
 (NW, NE, SW, SE) of Section \_\_\_\_\_

1) PURPOSE OF WELL (Check):  
 New Well  Deepening  
 Reconditioning  Plugging  
 4) PROPOSED USE (Check):  
 Domestic  Industrial  Municipal  
 Irrigation  Test Well  Other  
 5) TYPE OF WELL (Check):  
 Rotary  Driven  
 Cable  Jetted  Bored

WELL LOG:  
 Diameter of hole 8 in. Depth drilled 505 ft. Depth of completed well 505 ft. Date drilled 6/2/71  
 All measurements made from \_\_\_\_\_ ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0 - 8		SOIL & CLAY
8 - 42		BROWN LIME
42 - 180		GRAY LIME
120 - 195		HARD WHITE LIME WITH SHALE
195 - 495		GRAY LIME
495 - 500		BLACK DOLOMITE
500 - 505		PINE ISLAND

9) CASING:  
 Type  Old  New  Steel  Plastic  Other  
 Cemented from 205 ft. to 0 ft.  
 Diameter (inches) 7" From (ft.) 205-0 To (ft.) 205  
 10) SCREEN:  
 Type NONE  
 Perforated \_\_\_\_\_ Slotted \_\_\_\_\_  
 Diameter (inches) \_\_\_\_\_ Setting From (ft.) \_\_\_\_\_ To (ft.) \_\_\_\_\_ Slot Size \_\_\_\_\_

(Use reverse side if necessary)  
 1) COMPLETION (Check):  
 Straight wall  Gravel packed  Other  
 Under framed  Open Hole

2) WATER LEVEL:  
 Static level 268' ft. below land surface Date 6/2/71  
 Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
 Depth to pump bowls, cylinder, jet, etc., 420 ft. below land surface.

11) WELL TESTS:  
 Was a pump test made? Yes  No  If yes, by whom? \_\_\_\_\_  
 Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Boiler test: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow \_\_\_\_\_ gpm  
 Temperature of water \_\_\_\_\_

12) WATER QUALITY:  
 Was a chemical analysis made? Yes  No   
 Did any strata contain undesirable water? Yes  No   
 Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.  
 NAME RUDOLF O. BIEDERMANN Water Well Drillers Registration No. 936  
 (Type or Print)  
 ADDRESS 1114 So. ALAMO, SAN ANTONIO, TEXAS - 78210  
 (Street or RFD) (City) (State)  
 Signed Rudolf Biedermann HASKIN PUMP SERVICE INC.  
 (Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available. AY68-19-  
 Additional instructions on reverse side.

ORDER-09-53.

Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas Department of Health Laboratories  
1100 West 49th Street  
Austin, Texas 78756

**TDWR ONLY**

Organization No. \_\_\_\_\_ Lab No.   

Work No. \_\_\_\_\_

**CHEMICAL WATER ANALYSIS REPORT**

Send report to:

Data Collection and Evaluation Section  
Texas Department of Water Resources  
P.O. Box 13087  
Austin, Texas 78711

Analysis copied from  
Texas Department of  
Health Files

County 015 Bexar

State Well No. 6819608

Well No. 4

Date Collected 091571

Owner LEON SPRINGS MOBILE HOME VILLA Send copy to owner Sample No.    By CCP

Address \_\_\_\_\_ Well Location \_\_\_\_\_

Date Drilled 1971 Depth 500 ft. WBF \_\_\_\_\_

Producing intervals \_\_\_\_\_ Water level \_\_\_\_\_ ft. Sample depth    ft. Source (type of well) \_\_\_\_\_

Sampled after pumping \_\_\_\_\_ hrs. Yield \_\_\_\_\_ GPM (flow out) Temperature    F    C

Point of collection \_\_\_\_\_ Appearance  clear  turbid  colored  other

Use \_\_\_\_\_ Remarks \_\_\_\_\_

(FOR LABORATORY USE ONLY)

KEY PUNCHED

**CHEMICAL ANALYSIS**

Laboratory No. \_\_\_\_\_ Date Received 9-15-71 Date Reported 9-28-71

	MG/L	ME/L		MG/L	ME/L
Silica . . . 00955 . . .			Carbonate . . . 00445 . . .	0	
Calcium . . . 00910 . . .	62		Bicarbonate . . . 00440 . . .	326	
Magnesium . . . 00920 . . .	36		Sulfate . . . 00945 . . .	30	
Sodium . . . 00929 . . .	8		Chloride . . . 00940 . . .	11	
	Total		Fluoride . . . 00951 . . .	0.7	
<input type="checkbox"/> Potassium . . . 00937 . . .	.		Nitrate . . . 71850 . . .	20.40	
<input type="checkbox"/> Manganese . . . 01055 . . .	0.05	SMA _____	pH . . . 00403 . . .	7.6	Total
<input type="checkbox"/> Boron . . . 01022 . . .	.	SAR _____			
<input type="checkbox"/> Total Iron . . . 01045 . . .	0.04	RSC _____	Dissolved Solids (residue at 180°C) . . . 70300 . . .		474
<input type="checkbox"/> (other) _____	MG/L		Phenolphthalein Alkalinity as CaCO <sub>3</sub> . . . 00415 . . .		0
Specific Conductance (micromhos/cm <sup>2</sup> ) 00095 _____			Total Alkalinity as CaCO <sub>3</sub> . . . 00410 . . .		267
Diluted Conductance (micromhos/cm <sup>2</sup> ): _____			Total Hardness as CaCO <sub>3</sub> . . . 00900 . . .		304
x = <span style="border: 1px solid black; padding: 2px;">  604  </span>			<sup>1</sup> Nitrogen Cycle		
<input type="checkbox"/> _____ items will be analyzed if checked.			Ammonia - N . . . . . 00610 . . .		
			Nitrite - N . . . . . 00615 . . .		
			Nitrate - N . . . . . 00620 . . .		
			Organic Nitrogen . . . . . 00605 . . .		

<sup>1</sup>The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.  
<sup>2</sup>Iron and Manganese require separate sample.  
Total Iron and Manganese require separate sample.

TWDB 0148 (Rev 04 07 66) Analyst \_\_\_\_\_ Checked By \_\_\_\_\_



Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas Department of Health Laboratories  
1100 West 49th Street  
Austin, Texas 78756

**TOWER ONLY**

Location No. \_\_\_\_\_ Lab No.   

Work No. \_\_\_\_\_

**CHEMICAL WATER ANALYSIS REPORT**

Send report to:

Data Collection and Evaluation Section  
Texas Department of Water Resources  
P.O. Box 13087  
Austin, Texas 78711

Analysis copied from  
Texas Department of  
Health Files

County 015 BELLEVUE

State Well No. 6819608

Well No. 4

Date Collected 08-05-74

Owner LEON SPRINGS MOBILE HOME VILLA Send copy to owner Sample No.    By CSP

Address \_\_\_\_\_ Well Location \_\_\_\_\_

Date Drilled 1971 Depth 500 ft. WBF \_\_\_\_\_ Source (type of well) \_\_\_\_\_

Producing intervals \_\_\_\_\_ Water level \_\_\_\_\_ ft. Sample depth    ft.

Sampled after pumping \_\_\_\_\_ hrs. Yield \_\_\_\_\_ GPM  $\frac{\text{GPM}}{\text{min}}$  Temperature    °F    °C

Point of collection \_\_\_\_\_ Appearance  clear  turbid  colored  other

Use \_\_\_\_\_ Remarks \_\_\_\_\_

(FOR LABORATORY USE ONLY)

**KEY FINISHED CHEMICAL ANALYSIS**

Laboratory No. \_\_\_\_\_ Date Received 8-29-74 Date Reported 10-25-74

	MG/L	ME/L
Silica . . . 00955 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Calcium . . . 00910 . . .	<span style="border: 1px solid black; padding: 2px;">67</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Magnesium . . . 00920 . . .	<span style="border: 1px solid black; padding: 2px;">37</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Sodium . . . 00929 . . .	<span style="border: 1px solid black; padding: 2px;">8</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Total	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
<input type="checkbox"/> Potassium . . . 00937 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
<input checked="" type="checkbox"/> Manganese . . . 01055 . . .	<span style="border: 1px solid black; padding: 2px;">&lt;0.05</span>	%Na _____
<input type="checkbox"/> Boron . . . 01022 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	SAR _____
<input checked="" type="checkbox"/> Total Iron . . . 01045 . . .	<span style="border: 1px solid black; padding: 2px;">&lt;0.02</span>	RSC _____

(other) \_\_\_\_\_ MG/L

Specific Conductance (micromhos/cm<sup>2</sup>) 00085 \_\_\_\_\_

Diluted Conductance (micromhos/cm<sup>2</sup>): \_\_\_\_\_ =    655

- items will be analyzed if checked.

\* The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of calcium, and the carbonate figure used in the computation of dissolved solids.  
† 1.00 mg/l of calcium requires separate sample.  
‡ Total Iron and Manganese require separate sample.

TWDB 0148 (Rev 04 07 86)

	MG/L	ME/L
Carbonate . . . 00445 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Bicarbonate . . . 00440 . . .	<span style="border: 1px solid black; padding: 2px;">346</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Sulfate . . . 00945 . . .	<span style="border: 1px solid black; padding: 2px;">31</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Chloride . . . 00940 . . .	<span style="border: 1px solid black; padding: 2px;">13</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Fluoride . . . 00951 . . .	<span style="border: 1px solid black; padding: 2px;">0.8</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Nitrate . . . 71850 . . .	<span style="border: 1px solid black; padding: 2px;">1.00</span>	<span style="border: 1px solid black; padding: 2px;">  </span>
pH . . . 00403 . . .	<span style="border: 1px solid black; padding: 2px;">7.9</span>	Total <span style="border: 1px solid black; padding: 2px;">  </span>
Dissolved Solids (residue at 180°C) . . . 70300 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">500</span>
Phenolphthalein Alkalinity as CaCO <sub>3</sub> . . . 00415 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">0</span>
Total Alkalinity as CaCO <sub>3</sub> . . . . . 00410 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">284</span>
Total Hardness as CaCO <sub>3</sub> . . . . . 00900 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">321</span>
* Nitrogen Cycle		
Ammonia - N . . . . . 00610 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Nitrite - N . . . . . 00615 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Nitrate - N . . . . . 00620 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>
Organic Nitrogen . . . . . 00605 . . .	<span style="border: 1px solid black; padding: 2px;">  </span>	<span style="border: 1px solid black; padding: 2px;">  </span>

Analyst \_\_\_\_\_ Checked By \_\_\_\_\_

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: LS-5

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	7655 Curres Creek Road
<i>Location/Subdivision:</i>	Leon Springs Villa - Curres Creek Road

<i>Latitude (UTM):</i>	3283098
<i>Longitude (UTM):</i>	535584
<i>Elevation (Feet MSL):</i>	1165

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: LS-6

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	7655 Curres Creek Road
<i>Location/Subdivision:</i>	Leon Springs Villa - Curres Creek Road

<i>Latitude (UTM):</i>	3283057
<i>Longitude (UTM):</i>	535504
<i>Elevation (Feet MSL):</i>	1165

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: LS-7

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	N/A
<i>Current Owner:</i>	Private
<i>Original Owner:</i>	N/A
<i>Physical Address:</i>	7529 Curres Creek Road
<i>Location/Subdivision:</i>	Leon Springs Villa - Curres Creek Road

<i>Latitude (UTM):</i>	3283141
<i>Longitude (UTM):</i>	535624
<i>Elevation (Feet MSL):</i>	1190

### WELL COMPLETION DATA

<i>Date Drilled:</i>	N/A
<i>Well Depth (feet bgs):</i>	N/A
<i>Casing Diameter (inches):</i>	N/A
<i>Casing Depth (feet bgs):</i>	N/A
<i>Well Diameter (inches):</i>	N/A
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	N/A N/A
<i>Production Zone(s):</i>	N/A

### OTHER NOTES

No data available for this well.

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# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: HS-1

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-404
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Hidden Springs Estates
<i>Physical Address:</i>	Falcon View /Rocky Hill Road
<i>Location/Subdivision:</i>	Hidden Springs Estates

<i>Latitude (UTM):</i>	3282990
<i>Longitude (UTM):</i>	536938
<i>Elevation (Feet MSL):</i>	1337

### WELL COMPLETION DATA

<i>Date Drilled:</i>	12-Apr-83
<i>Well Depth (feet bgs):</i>	880
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	420
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	N/A

<i>Well Yield (gpm):</i>	80
<i>Water Supply Type:</i>	Unused
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	450 14-Apr-83
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES

Well is unused. 1997 TWDB log indicates well is now obstructed at 415'.









# OFFSITE WELL SUMMARY REPORT

WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY  
BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: HS-2

## PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-403
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Hidden Springs Estates
<i>Physical Address:</i>	Falcon View /Rocky Hill Road
<i>Location/Subdivision:</i>	Hidden Springs Estates

<i>Latitude (UTM):</i>	3283020
<i>Longitude (UTM):</i>	536938
<i>Elevation (Feet MSL):</i>	1340

## WELL COMPLETION DATA

<i>Date Drilled:</i>	07-Apr-83
<i>Well Depth (feet bgs):</i>	880
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	412
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	558

<i>Well Yield (gpm):</i>	75
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	450 07-Apr-83
<i>Production Zone(s):</i>	Cow Creek*

## OTHER NOTES



Send original copy by  
air mail to the  
Texas Department of Water Resources  
P. O. Box 13067  
Austin, Texas 78711

State of Texas  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13067  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

OWNER HIDDEN SPRINGS WELL #2 (Name)  
Address Falcon Financial Corp. San Antonio, Tx 78201  
(Street or R.F.D.) (City) (State) (Zip)  
LOCATION OF WELL:  
County BEXAR 23 miles in N - S.W. direction from San Antonio  
(N.E., S.W., etc.) (Town)

1) Legal description:

You must complete the legal description to the right  
of distance and direction from two intersecting sec-  
tion survey lines, or he must locate and identify the  
well on an official Quarter- or Half-Section Texas County  
Highway Map and attach the map to this form.

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_

Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_

Distance and direction from two intersecting section or survey lines \_\_\_\_\_

See attached map. on 68-19-3

TYPE OF WORK (Check):  
 New Well  Deepening  
 Re-conditioning  Plugging  
4) PROPOSED USE (Check):  
 Domestic  Industrial  Public Supply  
 Irrigation  Test Well  Other  
5) DRILLING METHOD (Check):  
 Mud Rotary  Air Hammer  Driven  Bored  
 Air Rotary  Cable Tool  Jetted  Other

WELL LOG:

Date drilled	DIAMETER OF HOLE		
	Die (in.)	From (ft.)	To (ft.)
<u>4/07/83</u>	<u>8 3/4</u>	<u>0</u>	<u>412'</u>
	<u>6"</u>	<u>412'</u>	<u>880'</u>

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packbed  Other  
If Gravel Packed give interval from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material
<u>0</u>	<u>17</u>	<u>Yellow Clay &amp; Brown Lime</u>
<u>17</u>	<u>110</u>	<u>White &amp; Brown Lime</u>
<u>110</u>	<u>223</u>	<u>Dark Gray Lime</u>
<u>223</u>	<u>398</u>	<u>Light Gray Lime &amp; Shale</u>
<u>398</u>	<u>520</u>	<u>Hard Gray Lime</u>
<u>520</u>	<u>705</u>	<u>Brown &amp; Light Gray Lime</u>
<u>705</u>	<u>800</u>	<u>Dark Gray Lime</u>
<u>800</u>	<u>880</u>	<u>Brown Lime &amp; Sand</u>

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Din. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Casing Screen
			From	To	
<u>7"</u>	<u>New</u>	<u>Steel</u>	<u>0</u>	<u>412'</u>	<u>O.D.</u>

CEMENTING DATA  
Cemented from 412' ft. to 0 ft.  
Method used Pressure Method  
Cemented by Haliburton  
(Company or Individual)

9) WATER LEVEL:  
Static level 450' ft. below land surface Date 4/7/83  
Artesian flow 75 gpm. Date 4/12/83

**RECEIVED**

10) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_  
NONE

11) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other  
Depth to pump level, cylinder, jet, etc., 588' ft.

1) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water?  Yes  No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata? \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

12) WELL TESTS: NONE  
 Type Test  Pump  Baker  Jetted  Estimated  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME HASKIN PUMP SERVICE, INC. (Type or Print) Water Well Driller's License No. RUDOLF BIEDERMANN 936  
ADDRESS 15403 CAPITAL PORT, SAN ANTONIO, TX 78249  
(Street or R.F.D.) (City) (State) (Zip)

Drilled by Rudolf Biedermann (Signature) (Typed Name)  
Registered Driller License No. \_\_\_\_\_  
For TOWN use only: Well No. 68-19-3 Located on map \_\_\_\_\_

Attach electric log, chemical analysis, and other pertinent information, if available.  
DWR 0762 - Rev. 5-27-82 DEPT. OF WATER RESOURCES COPY 68-20-463

MAP # 40



34

Water Quality Field Data

SWN: 08-20-403  
 County: BEXAR  
 Aquifer(s): GLENROSE

Name: B.M. W.D.  
 Address: AVE. ROAD  
S.A. TR 70257  
 owner's well # W1849

Sample No B.M. 198-2337  
 Date: SEPT. 16, 1998  
 By: ROSE P.

Bottle 1		Bottle 2		Bottle 3		Bottle 4		Bottle 5		Bottle 6		Bottle 7		Total SUB-Samples	
Volume	Contents	Volume	Contents	Volume	Contents	Volume	Contents	Volume	Contents	Volume	Contents	Volume	Contents	Volume	Contents
500 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter
Anions		Cations		Nitrate		Radioactivity		HNO		HNO		HNO		HNO	
Ice		Ice		Ice		Ice		Ice		Ice		Ice		Ice	
LSD		Remark		Time in		Time out		Sample time		Sample time		Sample time		Sample time	
Temperature (00010)		24.0 c		1320		1325		1305		1305		1305		1305	
Specific Conductance (00094)		527 umhos/cm		Weather		SUNNY/HS/T		well use		A/B-L/E		A/B-L/E		A/B-L/E	
pH (00400)		7.14		Outside Temp		86°									
Eh (00090)		130.3 mv.		Sampling point											
Phenol ALK (82244)		0.00 mg/l		Time		1245		1255		1255		1255		1255	
Total ALK (39088)		272.0 mg/l		pH		7.12		7.17		7.16		7.16		7.16	
Carbonate (00452)		0.00 meq/l		Temp		25.7		25.6		24.0		24.0		24.0	
Bicarbonate (00453)		5.44 meq/l		Eh		553		538		527		527		527	
Total Cations(+)		331.93 mg/l		Cond.		553		538		527		527		527	
Total Anions (-)		332 mg/l		other notes:		STARTED w/ # AT 1240		w/ # AT 1240		w/ # AT 1240		w/ # AT 1240		w/ # AT 1240	
Total Hardness (00800)		360 mg/l		STARTED		w/ # AT 1320		w/ # AT 1320		w/ # AT 1320		w/ # AT 1320		w/ # AT 1320	
Dissolved Solids		360 mg/l													

FINAL ANALYSIS REPORT

LAB ID: 9902608

SAMPLE DESCRIPTION: Groundwater

COMPANY: TX Water Dev. Board

SAMPLE DATE: 09/15/98

ACCT NO:

SAMPLE TIME: 1305

REQUISITION No.: R08760

DATE RECEIVED: 09/25/98

LOCATION ID: 68-20-403

REPORT DATE: 10/28/98

PARAMETER	RESULTS	UNITS	STORET #	PQL in WATER	DATE ANALYZED
Bromide	0.07	mg/L	71870	0.02	09/28/98
Chloride	10.4	mg/L	00941	1.5	09/28/98
Fluoride	1.04	mg/L	00950	0.01	09/28/98
Nit., Nitrate/Nitrite	<0.050	mg/L	00630	0.020	10/06/98
Nitrogen, Kjeldahl	0.160	mg/L	00623	0.070	10/01/98
Nitrogen, ammonia	0.120	mg/L	00608	0.050	09/29/98
Phosphorus, Total	<0.070	mg/L	00665	0.070	10/01/98
Silica	13.40	mg/L	00955	1.00	09/29/98
Sulfate	49.70	mg/L	00946	1.50	09/28/98
Alkalinity, Total	277	mg/L	00410	1	09/28/98
Alkalinity, Phenol.	0	mg/L	00415	0	09/28/98
Boron, Dissolved	59.00	ug/L	01020	10.00	10/02/98
Cobalt, Diss. ICPMS	<1.0	ug/L	01035	1.0	09/29/98
Iron, Dissolved	52.00	ug/L	01046	10.00	10/02/98
Lithium, Diss. ICPMS	10.0	ug/L	01130	2.0	09/29/98
Molybdenum Dis ICPMS	4.1	ug/L	01060	1.0	09/29/98
Potassium, Dissolved	3.07	mg/L	00935	1.00	10/02/98
Strontium, Dis ICPMS	3500.0	ug/L	01080	1.0	09/29/98
Vanadium, Diss ICPMS	<1.0	ug/L	01085	1.0	09/29/98
Aluminum, Dis. ICPMS	<4.0	ug/L	01106	4.0	09/29/98
Arsenic, Diss. ICPMS	<2.0	ug/L	01000	2.0	09/29/98
Barium, Diss. ICPMS	38.3	ug/L	01005	1.0	09/29/98
Cadmium, Diss. ICPMS	<1.0	ug/L	01025	1.0	09/29/98
Calcium, Dissolved	61.80	mg/L	00915	0.50	10/02/98
Chromium, Diss ICPMS	2.0	ug/L	01030	1.0	09/29/98
Copper, Diss. ICPMS	<2.0	ug/L	01040	2.0	09/29/98
Lead, Diss. ICPMS	7.5	ug/L	01049	1.0	09/29/98
Magnesium, Dissolved	39.60	mg/L	00925	0.50	10/02/98
Manganese, Dis ICPMS	1.9	ug/L	01056	1.0	09/29/98
Nickel, Diss. ICPMS	9.7	ug/L	01065	1.0	09/29/98
Selenium, Dis. ICPMS	<4.0	ug/L	01145	4.0	09/29/98
Sodium, Dissolved	8.31	mg/L	00930	0.10	10/02/98
Antimony, Dis. ICPMS	<1.0	ug/L	01095	1.0	09/29/98
Beryllium, Dis ICPMS	<1.0	ug/L	01010	1.0	09/29/98
Thallium, Diss ICPMS	<1.0	ug/L	01057	1.0	09/29/98
Zinc, Diss. ICPMS	409.0	ug/L	01090	2.0	09/29/98



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: HS-3

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-405
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Hidden Springs Estates
<i>Physical Address:</i>	Falcon View /Rocky Hill Road
<i>Location/Subdivision:</i>	Hidden Springs Estates

<i>Latitude (UTM):</i>	3282990
<i>Longitude (UTM):</i>	536960
<i>Elevation (Feet MSL):</i>	1336

### WELL COMPLETION DATA

<i>Date Drilled:</i>	13-Feb-84
<i>Well Depth (feet bgs):</i>	910
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	410
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	798

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Unused
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	470 23-Feb-84
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES

Well is unused.



Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13067, Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13067  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER: HIDDEN SPRINGS SUBDIVISION #3 Address: Falcon Financial Corporation San Antonio, TX 78201  
 2) LOCATION OF WELL: County: BEXAR 23 miles to N.E.H. direction from San Antonio (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Clearman or Hart Scale Texas County General Highway Map and attach the map to this form.

3) TYPE OF WORK (Check):  
 New Well  Deepening  Reconditioning  Plugging  
 4) PROPOSED USE (Check):  
 Domestic  Industrial  Public Supply  Irrigation  Test Well  Other  
 5) DRILLING METHOD (Check):  
 Mud Rotary  Air Hammer  Open  Sored  Air Rotary  Cable Tool  Jetted  Other

6) WELL LOG: Date drilled: 2/13/84  
 DIAMETER OF HOLE (In.) From (ft.) To (ft.)  
 Surface: 8-3/4" 0 410'  
 7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other

From (ft.)	To (ft.)	Description and color of formation material	Dev. (in.)	How or Used	Setting (ft.) From To	Cage Casting Screen
0	2	Fill & Loose Rock				
2	80	Hard White Lime				
80	143	Gray Lime	7"	New	0	410'
143	150	Hard White Lime				
150	155	Gray Lime				
155	160	Light Brown Lime				
160	285	Soft Gray Lime				
285	530	Gray Lime, Glenrose, Coolie Mats				
550	658	Gravish Brown Lime				
658	760	Gray Speckled Lime				
760	820	Dark Gray Lime				
820	825	Hard White Lime				
825	910	Gray Lime				

CEMENTING DATA  
 Cemented from: 410' to 0  
 Method used: Pressure Method  
 Cemented by: Halliburton Services

8) WATER LEVEL:  
 Static level: 470' ft. below land surface Date: 2/23/84  
 Artesian flow: \_\_\_\_\_ gpm. Date: \_\_\_\_\_

9) PACKERS: Type: \_\_\_\_\_ Depth: \_\_\_\_\_  
 NONE

10) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other  
 Depth to pump bank, cylinder, jet, etc.: 798'

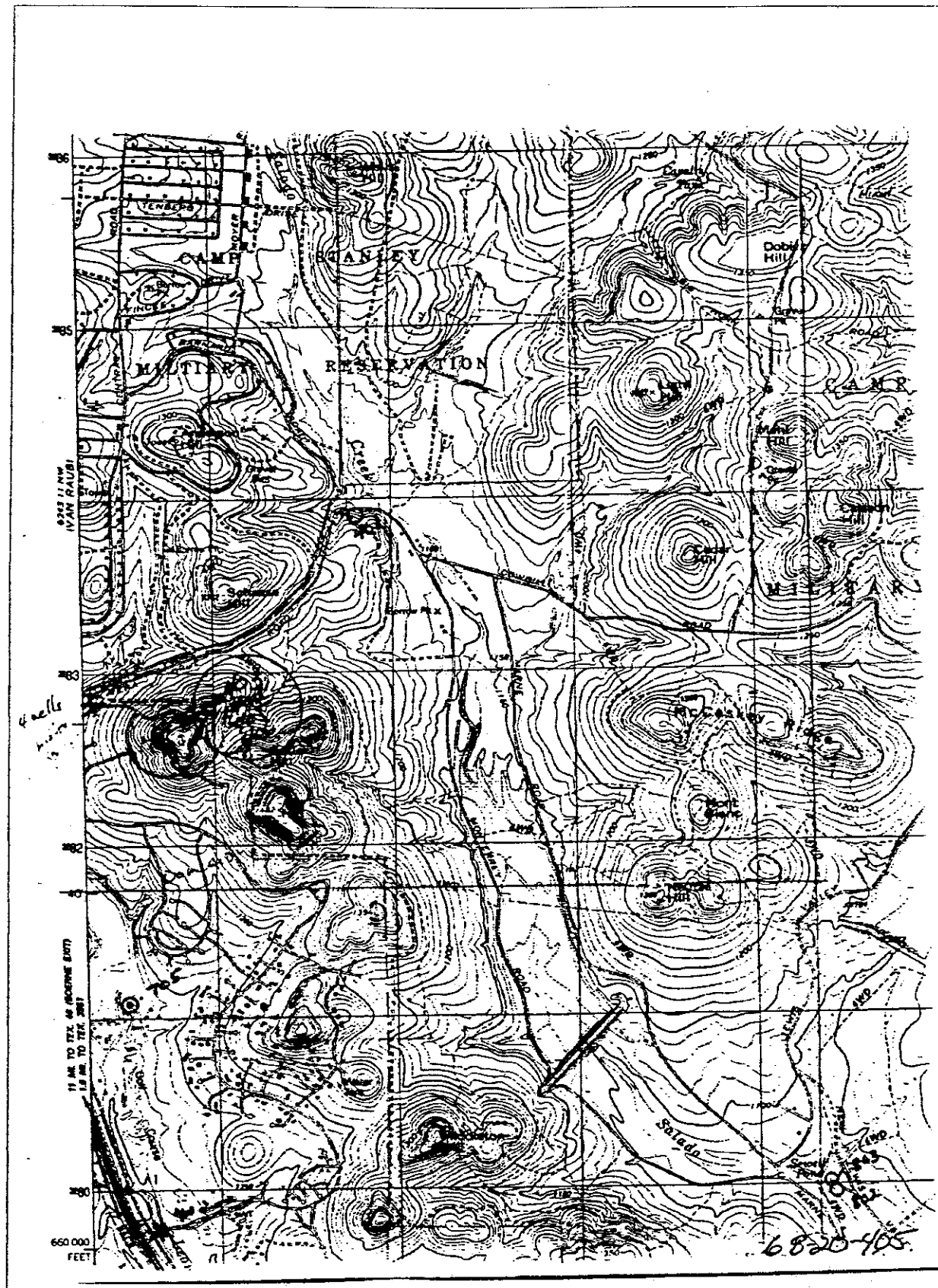
11) WATER QUALITY:  
 Did you knowingly penetrate any strata which contained underground water?  Yes  No  
 If yes, submit "REPORT OF UNDESIRABLE WATER"  
 Type of water? \_\_\_\_\_ Depth of strata? \_\_\_\_\_  
 Was a chemical analysis made?  Yes  No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME: HASKIN PUMP SERVICE, INC. Water Well Driller's License No. GLEN H. HASKIN, #935  
 ADDRESS: 15403 CAPITAL PORT, SAN ANTONIO, TX 78249  
 (Signed) Glen H. Haskin (Required Driller Signature)

FOR TDWR use only  
 Well No. 68-26-405  
 Located on map 2836.E.3.

MAP # 40



# OFFSITE WELL SUMMARY REPORT

## WELLS WITHIN ¼-MILE OF CAMP STANLEY STORAGE ACTIVITY BOERNE, TEXAS

<0.25 MILES  
MAP REFERENCE NO: HS-4

### PHYSICAL DESCRIPTION

<i>State ID Number</i>	68-20-406
<i>Current Owner:</i>	Bexar Met Water
<i>Original Owner:</i>	Hidden Springs Estates
<i>Physical Address:</i>	Falcon View /Rocky Hill Road
<i>Location/Subdivision:</i>	Hidden Springs Estates

<i>Latitude (UTM):</i>	3283020
<i>Longitude (UTM):</i>	536961
<i>Elevation (Feet MSL):</i>	1330

### WELL COMPLETION DATA

<i>Date Drilled:</i>	16-Feb-84
<i>Well Depth (feet bgs):</i>	925
<i>Casing Diameter (inches):</i>	7
<i>Casing Depth (feet bgs):</i>	410
<i>Well Diameter (inches):</i>	6
<i>Pump Depth (feet bgs):</i>	777

<i>Well Yield (gpm):</i>	N/A
<i>Water Supply Type:</i>	Public
<i>Static Water Level (feet bgs):</i> <i>(measured on):</i>	470 28-Feb-84
<i>Production Zone(s):</i>	Cow Creek*

### OTHER NOTES



Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13067, Austin, Texas 78711

STATE OF TEXAS  
WATER WELL REPORT

Texas Water Well Driller's License  
P. O. Box 13067  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privacy Notice on Reverse Side

1) OWNER HIDDEN SPRINGS SUBDIVISION #4 Falcon Financial Corporation  
(Name) Address 6243 L.N. 10 West, San Antonio, TX 78201  
(Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:  
County BEXAR 23 N.E. or S.W. N.E.V. Direction from San Antonio  
(N.E. or S.W.) (Section) (Township) (County)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or to nearest corner and identify the well on an official Quarter or Half-Block Texas County General Highway Map and attach the map to this form.  
 Legal description Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Contract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

See attached map: map on def 68-19-94

3) TYPE OF WORK (Check):  New Well  Deepening  Pumping  Plug/Grout  
4) PROPOSED USE (Check):  Domestic  Industrial  Public Supply  Irrigation  Test Well  Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  Mud Rotary  Air Hammer  Drive  Sored  A.P. Rotary  Cable Tool  Jetted  Other \_\_\_\_\_

6) WELL LOG:  
Date drilled 2/18/84  
DIAMETER OF HOLE (Dia. in.) From (ft.) To (ft.)  
Surface 0 410'  
6" 410' 925'

7) BOREHOLE COMPLETION:  
 Open Hole  Grout Packed  Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation	Dia. (in.)	How Used	Steel, Plastic, etc. Perf., Screened, etc. Screen Mfg., if commercial	Setting (ft.)	Cap. Casing Screen
0	2	Fill & Loose Rock					
2	15	Hard White Lime					
15	35	Caliche	7"	New	Steel	0	410'
35	40	Hard Gray Lime					
40	45	White Lime					
45	50	Caliche					
50	55	Soft Brown Lime					
55	60	White Lime					
60	90	Brown Lime					
90	105	Gray Lime					
105	110	White Lime					
110	280	Gray Lime					
280	840	Glenrose, Coolie Hats					
840	900	Hard White Lime					
900	925	Gray Lime					

8) CEMENTING DATA  
Cemented from 410' to 0 ft.  
Method used Pressure Method  
Cemented by Halliburton Services  
(Company or individual)

9) WATER LEVEL:  
Static level 670' ft. below land surface Date 2/28/84  
Artesian flow \_\_\_\_\_ gpm Date \_\_\_\_\_

**RECEIVED**  
MAY 25 1984

10) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_  
NONE

11) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylindrical  
 Other \_\_\_\_\_  
Depth to pump down, ty. inder, etc. 777' ft.

12) WELL TESTS: NONE  
 Type Test  Pump  Beat  Jetted  Escalator  
Yield \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

I hereby certify that the well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME HASKIN PUMP SERVICE, INC. Water Well Driller's License No. GLEN H. HASKIN, #935  
(Type or Print)  
ADDRESS 15403 CAPITAL PORT. SAN ANTONIO, TX 78249  
(Street or RFD) (City) (State) (Zip)  
Signed Glen H. Haskin (Signed) Dee  
(Licensee Water Well Driller) (Registered Driller/Trainer)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
For TOWN USE ONLY: Well No. 68-19-94 Located on map 23B BEXAR

MAP # 90





34

Water Quality Field Data

SWN: 60-20-406 Sample No Bm-1999-3336  
 County: DEKALB Date: SEPT. 15, 1998  
 Aquifer(s): GLEN ROSE By: ROBERT P.

Name: D.M. W.O.  
 Address: AVE ROAD  
S.A. TX. 76987  
 owner's well # WIPM

Bottle 1 Bottle 2 Bottle 3 Bottle 4 Bottle 5 Bottle 6 Bottle 7 Total SUB-Samples

Volume	Anions	Cations	Nitrate	Radioactivity	Time in	Time out	Weather	Sample time	well use	Starting pH	Ending pH
500 ml		1 liter	250 ml	1 liter	12:30	14:30	14/10			7.05	5.30
2 ml	ICE	HNO (Nitric)	0.5 ml	2 ml						6.85	4.50
										6.49	
										4.53	
										6.39	
										6.87	
										6.13	
										5.94	
										5.64	
										5.43	

Time in: 12:30 Time out: 14:30 Sample time: 14/10  
 Weather: 20/20/101 well use: PUBLIC  
 Outside Temp: 88°  
 Sampling point: 1230 1345 1350 7:23 7:23 7:24 25.2 25.3 25.3 12.1 5.79 5.23 5.27

Time: 12:40 13:45 13:50 pH: 7.05 7.05 7.05 Temp: 6.85 6.85 6.85 Eh: 6.49 6.49 6.49 Cond: 4.53 4.53 4.53

other notes: STARTED WIPM AT 12:35  
STOPPED WIPM AT 14:20

Water Level \_\_\_\_\_ LSD \_\_\_\_\_ Remark \_\_\_\_\_  
 Temperature (00010) 25.5° \_\_\_\_\_  
 Specific Conductance (00094) 52.7 umhos/cm  
 pH (00400) 7.24  
 Eh (00090) 122.1 mv.  
 Phenol ALK (82244) 0.00 mg/l  
 Total ALK (38086) 240.0 mg/l  
 Carbonate (00452) 0.00 meq/l  
 Bicarbonate (00453) 4.30 meq/l  
 Total Cations (+) 0.00  
 Total Anions (-) 0.00  
 Total Hardness (00900) 270  
 Dissolved Solids 295

FINAL ANALYSIS REPORT

LAB ID: 9902609      SAMPLE DESCRIPTION: Groundwater  
 COMPANY: TX Water Dev. Board  
 ACCT NO:  
 REQUISITION No.: R08760  
 LOCATION ID: 68-20-406

SAMPLE DATE: 09/15/98  
 SAMPLE TIME: 1410  
 DATE RECEIVED: 09/25/98  
 REPORT DATE: 10/28/98

PARAMETER	RESULTS	UNITS	STORET #	PQL in WATER	DATE ANALYZED
Bromide	0.08	mg/L	71870	0.02	09/28/98
Chloride	11.0	mg/L	00941	1.5	09/28/98
Fluoride	0.61	mg/L	00950	0.01	09/28/98
Nit., Nitrate/Nitrite	0.092	mg/L	00630	0.020	10/06/98
Nitrogen, Kjeldahl	0.130	mg/L	00623	0.070	10/01/98
Nitrogen, ammonia	0.090	mg/L	00608	0.050	09/29/98
Phosphorus, Total	<0.070	mg/L	00665	0.070	10/01/98
Silica	13.10	mg/L	00955	1.00	09/29/98
Sulfate	20.90	mg/L	00946	1.50	09/28/98
Alkalinity, Total	246	mg/L	00410	1	09/28/98
Alkalinity, Phenol.	0	mg/L	00415	0	09/28/98
Boron, Dissolved	36.00	ug/L	01020	10.00	10/02/98
Cobalt, Diss. ICPMS	<1.0	ug/L	01035	1.0	09/29/98
Iron, Dissolved	31.00	ug/L	01046	10.00	10/02/98
Lithium, Diss. ICPMS	5.1	ug/L	01130	2.0	09/29/98
Molybdenum Dis ICPMS	2.4	ug/L	01060	1.0	09/29/98
Potassium, Dissolved	2.17	mg/L	00935	1.00	10/02/98
Strontium, Dis ICPMS	1720.0	ug/L	01080	1.0	09/29/98
Vanadium, Diss ICPMS	1.6	ug/L	01085	1.0	09/29/98
Aluminum, Dis. ICPMS	<4.0	ug/L	01106	4.0	09/29/98
Arsenic, Diss. ICPMS	<2.0	ug/L	01000	2.0	09/29/98
Barium, Diss. ICPMS	37.6	ug/L	01005	1.0	09/29/98
Cadmium, Diss. ICPMS	<1.0	ug/L	01025	1.0	09/29/98
Calcium, Dissolved	58.70	mg/L	00915	0.50	10/02/98
Chromium, Diss ICPMS	1.8	ug/L	01030	1.0	09/29/98
Copper, Diss. ICPMS	<2.0	ug/L	01040	2.0	09/29/98
Lead, Diss. ICPMS	1.2	ug/L	01049	1.0	09/29/98
Magnesium, Dissolved	29.40	mg/L	00925	0.50	10/02/98
Manganese, Dis ICPMS	3.6	ug/L	01056	1.0	09/29/98
Nickel, Diss. ICPMS	8.8	ug/L	01065	1.0	09/29/98
Selenium, Dis. ICPMS	<4.0	ug/L	01145	4.0	09/29/98
Sodium, Dissolved	7.02	mg/L	00930	0.10	10/02/98
Antimony, Dis. ICPMS	<1.0	ug/L	01095	1.0	09/29/98
Beryllium, Dis ICPMS	<1.0	ug/L	01010	1.0	09/29/98
Thallium, Diss ICPMS	<1.0	ug/L	01057	1.0	09/29/98
Zinc, Diss. ICPMS	265.0	ug/L	01090	2.0	09/29/98