

DEPARTMENT OF THE ARMY CAMP STANLEY STORAGE ACTIVITY, MCAPP 25800 RALPH FAIR ROAD, BOERNE, TX 78015-4800

November 17, 2017

U-013-18

SUBJECT: Technical NOD Information Request – Request to Modify Authorization and Registration of Class V Injection Wells at Camp Stanley Storage Activity, Boerne, Texas, TCEQ Authorization No. 5X2600645; IHWCA#69026; CN602728206/RN100662840

Texas Commission on Environmental Quality Attn: Mr. Bryan Smith UIC Permits Team Radioactive Materials Division PO Box 13087 (MC-233) Austin, Texas 78711-3087

Dear Mr. Smith:

The Camp Stanley Storage Activity (CSSA), McAlester Army Ammunition Plant, U.S. Army Field Support Command, Army Materiel Command, U.S. Army, is submitting this letter in response to the technical NOD email received by our subcontractor (Parsons) on November 9, 2017. This letter with enclosures provides additional information for the clarification and evaluation of the modification request for the Class V Authorization No. 5X2600645, dated October 6, 2017. The enclosed information includes well completion logs for wells IIW-01 through IIW-04, and VEW-13 through VEW-33; an updated Figure B.1 (showing well CS-AOC65-PZ-03 and -04 locations); and a detailed description of injection activities from 2012 through 2014 (Table 1). Activities associated with this Authorization are part of the In Situ Chemical Oxidation (ISCO) corrective measure at Area of Concern 65 (AOC-65) located at CSSA in Boerne, TX.

If you have any questions regarding the specific ISCO application activities at CSSA, please feel free to contact me at 210-295-7416 or Ken Rice, Parsons at 512-719-6050, ken.r.rice@parsons.com.

Sincerely,

Jason D. Shirley Installation Manager

cc: Felicia Kraintz, CSSA Environmental Manager Greg Lyssy, USEPA Region 6 Julie Burdey, Parsons – Austin Ken Rice, Parsons – Austin File: 640149.110046.03000 Well Completion Logs

STATE OF TEXAS WELL REPORT for Tracking #322498

Owner:	U.S. Government		Owner Well #:	IIW01
Address:	25800 Ralph Fair Road Boerne , TX 78015		Grid #:	68-19-6
Well Location:	25800 Ralph Fair Road Boerne , TX 78015		Latitude:	29° 41' 11" N
Well County:	Bexar		Longitude:	098° 38' 02" W
Elevation:	No Data		GPS Brand Used:	Garmin
Type of Work:	New Well		Proposed Use:	Monitor
Drilling Date:		Started: 5/16/2013 Completed: 5/16/2013		
Diameter of Ho	le:	Diameter: 7.875 in From Surface To 125 ft		
Drilling Method	:	Air Rotary		
Borehole Com	oletion:	Open Hole		
Annular Seal Data: Surface Completion:		1st Interval: From 0 ft to 10 ft with 3 sxs cement (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: Surface Pour Cemented By: Geoprojects Distance to Septic Field or other Concentrated Contamination: n/a ft Distance to Property Line: n/a ft Method of Verification: Owner Knowledge Approved by Variance: No Data		
Surface Compl	etion:	Alternative Procedure Us	sed	
Water Level:		Static level: No Data Artesian flow: No Data		
Packers:		Neoprene packer at 11 f	et.	
Plugging Info:		Casing or Cement/Bentor	nite left in well: No Da	ta
Type Of Pump:		No Data		
Well Tests:		No Data		
Water Quality:		Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: Did the driller knowingly p constituents: No Data		hich contained undesirab
Certification Data:		The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for		

	com	pletion	and	resubmittal.
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Company Information:	Geoprojects International, Inc. 8834 Circle Drive Austin , TX 78736
Driller License Number:	58772
Licensed Well Driller Signature:	Evan Schaefer
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #322498) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description Surface to 1' Topsoil 1' - 34.5 Yellow, weathered Limestone with clay stringers 34.5' - 51' Grey Limestone with clay stringers 51' - 58' Yellow soft Limestone 58' - 125' Grey Limestone with clay stringers

CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4-inch I.D., SDR17 PVC casing from surface to 10'

STATE OF TEXAS WELL REPORT for Tracking #322500

U.S. Government		Owner Well #:	IIW02		
25800 Ralph Fair Road Boerne , TX 78015		Grid #:	68-19-6		
25800 Ralph Fair Road Boerne , TX 78015		Latitude:	29° 41' 13" N		
Bexar		Longitude:	098° 38' 08" W		
No Data		GPS Brand Used:	Garmin		
New Well		Proposed Use:	Monitor		
	Started: 5/16/2013 Completed: 5/16/2013				
le:	Diameter: 7.875 in From	Surface To 117 ft			
:	Air Rotary				
pletion:	Open Hole				
	1st Interval: From 0 ft to 11 ft with 2 sxs cement (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: Surface Pour Cemented By: Geoprojects Distance to Septic Field or other Concentrated Contamination: n/a ft Distance to Property Line: n/a ft Method of Verification: Owner Knowledge Approved by Variance: No Data				
etion:	Alternative Procedure Used				
	Static level: No Data Artesian flow: No Data				
	Neoprene packer at 10	feet.			
	Casing or Cement/Bento	onite left in well: No Da	ta		
	No Data				
	No Data				
	Type of Water: Glen Ros Depth of Strata: 125 ft. Chemical Analysis Made Did the driller knowingly	e: No			
	constituents: No	penetrate any strata w	nich contained undesirab		
	Boerne , TX 78015 25800 Ralph Fair Road Boerne , TX 78015 Bexar No Data	25800 Ralph Fair Road Boerne, TX 78015 25800 Ralph Fair Road Boerne, TX 78015 Bexar No Data New Well Ie: Diameter: 5/16/2013 Completed: 5/16/2013 Ie: Diameter: 7.875 in From : Air Rotary oletion: Open Hole ata: 1st Interval: From 0 ft to 2nd Interval: No Data aft Interval: No Data Method Used: Surface F Cemented By: Geoproje Distance to Septic Field Distance to Septic Field Distance to Property Lin Method of Verification: O Approved by Variance: N etion: Alternative Procedure I Casing or Cement/Bente No Data No Data No Data No Data No Data No Data	25800 Ralph Fair Road Berne, TX 78015 Grid #: 25800 Ralph Fair Road Berar Latitude: Bexar Longitude: No Data GPS Brand Used: New Well Proposed Use: Started: 5/16/2013 Completed: 5/16/2013 Proposed Use: Ie: Diameter: 7.875 in From Surface To 117 ft : Air Rotary oletion: Open Hole ata: 1st Interval: From 0 ft to 11 ft with 2 sxs ceme 2nd Interval: No Data 3rd Interval: No Data Method Used: Surface Pour Cemented By: Geoprojects Distance to Septic Field or other Concentrated Distance to No Data Approved by Variance: No Data Neoprene packer at 10 feet. Casing or Cement/Bentonite left in well: No Data No Data No Data No Data No Data No Data No Data No Data No Data		

completion and re	esubmittal.
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Company Information:	Geoprojects International, Inc. 8834 Circle Drive Austin , TX 78736
Driller License Number:	58772
Licensed Well Driller Signature:	Evan Schaefer
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

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Please include the report's Tracking number (Tracking #322500) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description Surface to 1' Topsoil 1' - 36' Yellow, weathered Limestone with clay stringers

CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4-inch I.D., SDR17 PVC casing from surface to 11'

36' - 53' Grey Limestone with Shale stringers

51' - 59' Yellow soft Limestone

59' - 125' Grey Limestone with clay stringers

STATE OF TEXAS WELL REPORT for Tracking #322503

Owner:	U.S. Government		Owner Well #:	IIW03		
Address:	25800 Ralph Fair Road Boerne , TX 78015		Grid #:	68-19-6		
Well Location:	25800 Ralph Fair Road Boerne , TX 78015		Latitude:	29° 41' 16" N		
Well County:	Bexar		Longitude:	098° 38' 08" W		
Elevation:	No Data		GPS Brand Used:	Garmin		
Type of Work:	New Well		Proposed Use:	Monitor		
Drilling Date:		Started: 5/15/2013 Completed: 5/15/2013				
Diameter of Ho	le:	Diameter: 7.875 in From Surface To 125 ft				
Drilling Method	:	Air Rotary				
Borehole Comp	oletion:	Open Hole				
Annular Seal Data:		1st Interval: From 0 ft to 11 ft with 2 sxs cement (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: Surface Pour Cemented By: Geoprojects Distance to Septic Field or other Concentrated Contamination: n/a ft Distance to Property Line: n/a ft Method of Verification: Owner Knowledge Approved by Variance: No Data				
Surface Completion:		Alternative Procedure Used				
Water Level:		Static level: No Data Artesian flow: No Data				
Packers:		Neoprene packer at 11	feet.			
Plugging Info:		Casing or Cement/Bento	onite left in well: No Da	a		
Type Of Pump:		No Data				
Well Tests:		No Data				
Water Quality:		Type of Water: Glen Rose Depth of Strata: 125 ft. Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirate constituents: No		hich contained undesirabl		
Certification Data:		The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for				

completion and re	esubmittal.
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Company Information:	Geoprojects International, Inc. 8834 Circle Drive Austin , TX 78736
Driller License Number:	58772
Licensed Well Driller Signature:	Evan Schaefer
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

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Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description Surface to 3' Topsoil 3' - 34' Yellow, weathered Limestone with clay stringers

- 34' 48' Grey Limestone with layered Clay
- 48' 60' Yellow hard Limestone
- 60' 82' Grey, soft Limestone with Clay stringers
- 82' 90' White, soft Limestone
- 90' 125' Yellow Limestone with Clay stringers

CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4-inch I.D., SDR17 PVC casing from surface to 11'

STATE OF TEXAS WELL REPORT for Tracking #322506

Owner:	U.S. Government		Owner Well #:	IIW04	
Address:	25800 Ralph Fair Road Boerne , TX 78015		Grid #:	68-19-6	
Well Location:	25800 Ralph Fair Road Boerne , TX 78015		Latitude:	29° 40' 59" N	
Well County:	Bexar		Longitude:	098° 37' 56" W	
Elevation:	No Data		GPS Brand Used:	Garmin	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 5/14/2013 Completed: 5/14/2013			
Diameter of Ho	le:	Diameter: 7.875 in From Surface To 125 ft			
Drilling Method	:	Air Rotary			
Borehole Comp	oletion:	Open Hole			
Annular Seal Data:		1st Interval: From 0 ft to 11 ft with 2 sxs cement (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: Surface Pour Cemented By: Geoprojects Distance to Septic Field or other Concentrated Contamination: n/a ft Distance to Property Line: n/a ft Method of Verification: Owner Knowledge Approved by Variance: No Data			
Surface Compl	etion:	Alternative Procedure U	sed		
Water Level:		Static level: No Data Artesian flow: No Data			
Packers:		Neoprene packer at 11 f	eet.		
Plugging Info:		Casing or Cement/Bento	nite left in well: No Da r	ta	
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: Glen Rose Depth of Strata: 125 ft. Chemical Analysis Made: Did the driller knowingly p constituents: No		hich contained undesirabl	
Certification Data:		The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for			

	com	pletion	and	resubmittal.
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Company Information:	Geoprojects International, Inc. 8834 Circle Drive Austin , TX 78736
Driller License Number:	58772
Licensed Well Driller Signature:	Evan Schaefer
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

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Please include the report's Tracking number (Tracking #322506) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description Surface to .5' Topsoil .5' to 1.5' White Limestone 1.5' - 37' Yellow weathered Limestone with Clay stringers 37' - 44' Grey Limestone 44' - 58' Yellow hard Limestone 58' - 83' Grey soft Limestone with clay stringers 83' - 93' White soft Limestone

93' - 125' Yellow Limestone

CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4-inch I.D., SDR17 PVC casing from surface to 11'

BOERNE, TX 78015 Latitude:: 29"40"59" N BOERNE, TX 78015 Longitude:: 098"37"52" W BOERNE, TX 78015 Longitude:: 098"37"52" W BolEnvier, TX 78015 Longitude:: 098"37"52" W Blevation: No Data GPS Brand Used:: GARMIN Type of Work: New Well Proposed Use:: Monitor Dinling Date: Started: 6/24/2002 Completed: 6/25/2002 Monitor Dinling Mathod: Air Rotary Monitor Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Method Used: TREMIE Water Level: Static level: No Data Arresian flow: No Data Method IV efficiation: No Data Water Cuelly: No Data No Data Weater Quality: Type of Water: No Data Deta Ande: No Data Method: No Data Weater Quality: Type of Water: No Data Deta Ande: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller know	Owner:	U.S. GOVERMENT	Owner Well #:	AOC65-VEW13-LGR
BOERNE, TX 78015 Longitude: 098°37°52° W Well County: Bexar Longitude: 098°37°52° W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 6/24/2002 Completed: 6/25/2002 Monitor Diameter of Hole: Diameter: 8 in From Surface To 43.8 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Straight Wall Gravel Packed From: 24 ft to 40.5 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data Annular Seal Data: Starte Ide or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Surface Alternative Procedure Used Static level: No Data Atternative Procedure Used Water Level: Static level: No Data Tresion flow: No Data Tresion flow: No Data Packers: No Data Depth of Strata: No Data Depth of St	Address:		Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 6/24/2002 Completed: 6/25/2002 Started: 6/25/2002 Diameter of Hole: Diameter: 8 in From Surface To 43.8 ft Image: Completed: 6/25/2002 Drilling Method: Air Rotary Borehole Gravel Pack Size: 4/10 Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Gereented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Mater Level: Static level: No Data Atresian flow: No Data Packers: No Data Atternative Procedure Used Image: Static level: No Data Well Tests: No Data Image: Static level: No Data Image: Static level: No Data Well Tests: No Data Image: Static level: No Data Image: Static level: No Data Well Tests: No Data Image: Static level: No Data Image: Static level: No Data Weater Quality:	Well Location:		Latitude:	29°40' 59" N
Type of Work: New Weil Proposed Use: Monitor Drilling Date: Started: 6/24/2002 Completed: 6/25/2002 Completed: 6/25/2002 Diameter of Hole: Diameter: 8 in From Surface To 43.8 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cernented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Surface Alternative Procedure Used Surface Alternative Procedure Used Water Level: Static level: No Data Approved by Variance: No Data Water Level: Static level: No Data Approved by Variance: No Data Water Level: Static level: No Data Approved by Variance: No Data Water Level: Static level: No Data Approved by Variance: No Data Water Causity: Type of Water: No Data Approved by Variance: No Data Well Tests: No Data Weater Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: Cartification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's	Well County:	Bexar	Longitude:	098°37' 52" W
Drilling Date: Started: 6/24/2002 Completed: 6/25/2002 Diameter of Hole: Diameter: 8 in From Surface To 43.8 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Approved by Variance: No Data Attesian flow: No Data Packers: No Data Packers: No Data Water Level: Static level: No Data Type Of Pump: No Data Weter Quality: Type of Water: No Data Distance to Property Line: No Data Depth of Strata: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller complete the required this well (or the well was drilled under the driller's direc supervision) and that each and ail of the statements herein are true and correct. The driller's direc supervision] and that each and ail of the statements herein are true and correct. The driller's direc supervision? MEENDALE.	Elevation:	No Data	GPS Brand Used:	GARMIN
Completed: 6/25/2002 Diameter of Hole: Diameter: 8 in From Surface To 43.8 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Sputc Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Water Surger No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: The driller cortified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Type of Work:	New Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 24 ft to 40.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Distra: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Drilling Date:			
Borehole Completion: Straight Wall Gravel Packed From: 24 ft to 40.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Diameter of Hole	e: Diameter: 8 in From Surface To 43.8 ft	:	
Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 2 ft to 24 ft with BENTONITE-8 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Wethod Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Completion: Alternative No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Method:	Air Rotary		
2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Matter Level: Static level: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Borehole Completion:		ft to 40.5 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data			
Artesian flow: No DataPackers:No DataPlugging Info:Casing or Cement/Bentonite left in well: No DataType Of Pump:No DataWell Tests:No DataWater Quality:Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGEOPROJECTS INTERNATIONAL, INC.	Surface Completion:	Alternative Procedure Used		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:			
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	Casing or Cement/Bentonite left in well:	No Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump: No Data			
Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGEOPROJECTS INTERNATIONAL, INC.	Well Tests:	No Data		
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	Depth of Strata: No Data Chemical Analysis Made: No	trata which contained undesir	able constituents: No
	Certification Dat	supervision) and that each and all of the understood that failure to complete the r	statements herein are true ar	nd correct. The driller
	Company Information:		С.	

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27736) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-35 UPPER GLEN ROSE LIMESTONE 35-43.8 LOWER GLEN ROSE LIMESTONE CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-25 4 NEW SCH 40 PVC SCREEN 25-40 .020

Address: 25800 RALPH FAIR RD, BOERNE, TX 78015 Grid #: 68-19-6 Well Location: CAMP STANLEY STORAGE ACTIVITY BOERNE, TX 78015 Latitude: 29'40'58' N Well County: Bexar Longitude: 098'37'52' W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 6/26/2002 Completed: 78/2002 Kommer Startege: 6/26/2002 Completed: 78/2002 Kommer Startege: 6/26/2002 Completed: 78/2002 Dilling Method: Air Rotary Startege: 6/26/2002 Completion: Startage Pack Size: 4/10 Annular Seal Date: Starting th Wall Gravel Packed From: 39 ft to 59.2 ft Gravel Pack Size: 4/10 Starting the Startege: 4/10 Annular Seal Date: Starting the Start Startege: AND Bata 3rd Interval: No Data Startege: From Startege Startege: Startege: From Startege Surface Atternative Procedure Used Commentod Sy: JOSE LANDEROS Startege: Startege: No Data Surface No Data Variance: No Data Startege: No Data Startege:	Owner:	U.S. GOVERMENT	Owner Well #:	AOC65-VEW14-LGR
BOERNE, TX 78015 Longitude: 098"37" 52" W Well County: Bexar Longitude: 098"37" 52" W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 6/26/2002 Completed: 78/2002 Monitor Diameter of Hole: Diameter: 8 in From Surface To 59.2 ft Diameter of Hole: Diameter 3 in From Surface To 59.2 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Softwall From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data Tal Interval: No Data Soft hota Softwall Gravel Packed From: 39 ft to 59.2 ft Sorrace Started id or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Method Of Verification: No Data Atternative Procedure Used Softace Completion: Static level: No Data Atternative Procedure Used Water Level: Static level: No Data Atternative Procedure Used Water Cuality: Type of Water: No Data Method of Strata: No Data Weater Cuality: Type of Water: No Data Depth of Strata: No Data	Address:		Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 6/26/2002 Completed: 7/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 59.2 ft Drilling Method: Air Rotary Borehole Gstraight Wall Gravel Packed From: 39 ft to 59.2 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Completion: No Data Method Used: TREMIE Completion: No Data Method Used: TREMIE Completion: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Water Level: Static level: No Data Packers: No Data Well Tests: No Data Well Tests: No Data Well Tests: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision and that each and all of the statements herein are true and correct. The driller Completion and resubmittal. Company GEOPOLECTS INTERNATIONAL, INC.	Well Location:		Latitude:	29°40' 58" N
Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 6/26/2002 Completed: 7/9/2002 Completed: 7/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 59.2 ft Dimiling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Dimiling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Dimiling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Dimini Tom St to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Surface Alternative Procedure Used Variance: No Data Yater Level: Static level: No Data Artesian flow: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Yue Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Certification Data: Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituen	Well County:	Bexar	Longitude:	098°37' 52" W
Drilling Date: Started: 6/26/2002 Completed: 7/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 59.2 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method J Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Attesian flow: No Data Packers: No Data Packers: No Data Water Level: Static level: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Distance No Data Weter Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Cartification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Cartification Data: The driller contified that the driller drilled this well (or the well was drilled under the driller driller supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Elevation:	No Data	GPS Brand Used:	GARMIN
Completed: 7/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 59.2 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Water Server: No Data Well Tests: No Data Weater Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller cortified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller' understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Type of Work:	New Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 39 ft to 59.2 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller undersuber or completion in the log(s) being returned for completion in the supervision) and that each and all of the statements herein are true and correct. The driller undersuberind resubmittal	Drilling Date:			
Borehole Completion: Straight Wall Gravel Packed From: 39 ft to 59.2 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Diameter of Hole	Diameter: 8 in From Surface To 59.2 ft		
Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 3 ft to 39 ft with BENTONITE-14 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Wethod Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Ype Of Pump: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Method:	Air Rotary		
2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method Used: TREMIE Completion: No Data Method Verification: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Borehole Completion:		to 59.2 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data			
Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Surface Completion:	Alternative Procedure Used		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:			
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	Casing or Cement/Bentonite left in well:	lo Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump: No Data			
Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGEOPROJECTS INTERNATIONAL, INC.	Well Tests:	No Data	No Data	
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	Depth of Strata: No Data Chemical Analysis Made: No	rata which contained undesir	able constituents: No
	Certification Data	supervision) and that each and all of the sunderstood that failure to complete the re	statements herein are true ar	nd correct. The driller
	Company Information:			

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27739) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-35 UPPER GLEN ROSE LIMESTONE 35-59.2 LOWER GLEN ROSE LIMESTONE Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-41 4 NEW SCH 40 PVC SCREEN 41-59 .050 8 NEW STEEL CASING 0-15

BOERNE, TX 78015 Latitude:: 29"41'00" N BOERNE, TX 78015 Longitude:: 098"37'52" W Well County:: Bexar Longitude:: 098"37'52" W Elevation:: No Data GPS Brand Used:: GARMIN Type of Work: New Well Proposed Use:: Monitor Drilling Date:: Started: 8/6/2002 Completed: 8/6/2002 Completed: 8/6/2002 Monitor Drilling Mathod: Air Rotary Monitor Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Grayel Pack Size: 4/10 Monitor Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Surface Alternative Procedure Used Surface Campletion: No Data Water Level: Static level: No Data Artesian flow: No Data Weater Causity: Type of Water: No Data Weater Quality: Type of Water: No Data Completion: Weater Quality: Type of Water: No Data Completion: Water Quality: Type of Water: No Data Dota Anade: No Did the driller cerified that the driller drilled this well (or the well	Owner:	U.S. GOVERMENT	Owner Well #:	AOC65-VEW15-LGR
BOERNE, TX 78015 Longitude: 098°37°52° W Well County: Bexar Longitude: 098°37°52° W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/6/2002 Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 13 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Sard Interval: No Data Sard Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Surface Alternative Procedure Used Completion: Water Level: Static level: No Data Packers: No Data Well Tests: No Data Well Tests: No Data Weter Quality: Type of Water: No Dat	Address:		Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/6/2002 Completed: 8/6/2002 Monitor Diameter of Hole: Diameter: 8 in From Surface To 13 ft Image: Straight Wall Gravel Packed From: 3 ft to 13 ft Drilling Method: Air Rotary Straight Wall Gravel Packed From: 3 ft to 13 ft Image: Straight Wall Gravel Packed From: 3 ft to 13 ft Drilling Method: Air Rotary Gravel Pack Size: 4/10 Image: Straight Wall Gravel Packed From: 3 ft to 13 ft Annular Seal Data: 1st Interval: From Data Method Used: TREMIE Straight Wall Gravel Packed From: 3 ft to 13 ft Completion: 1st Interval: No Data Straight Wall Gravel Packed From: 3 ft to 13 ft Surface Completion: No Data Method Used: TREMIE Completion: Alternative Procedure Used Completion: No Data Matrice to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Matrice to Septic Field or other Concentrated Contamination: No Data Type Of Variance: No Data Water Level: Static level: No Data Free Static Interval: Free Mile Packers: No Data Type of Varia: No Data Free Static Interval: Free Mile Well Tests: No Data Depth of Strais: No Data Free Static Interval:	Well Location:		Latitude:	29°41' 00" N
Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/6/2002 Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 13 ft Dilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Surface Alternative Procedure Used Surface Alternative Procedure Used Water Level: Static level: No Data Water Level: Static level: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Certification Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's driller supervision) and that each and all of the statements herein are true and correct. The driller complete non dresubmittal. Completion: GEOPROJECTS INTERNATIONAL, INC.	Well County:	Bexar	Longitude:	098°37' 52" W
Drilling Date: Started: 8/6/2002 Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 13 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Welt Tests: No Data Welt Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingby penetrate any strata which contained undesirable constituents: No Certification Data: The driller cortified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and ail of the statements herein are true and correct. The driller's direc supervision? Method Strata: Supervision? Interviewel the statements herein are true and correct. The driller's direc supervision? Interviewel that falure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Elevation:	No Data	GPS Brand Used:	GARMIN
Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 13 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Sputc Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Water Surger No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller cortified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Type of Work:	New Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Welt Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification drive the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification drive that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Date:			
Borehole Straight Wall Gravel Packed From: 3 ft to 13 ft Completion: Ist Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) Annular Seal Data: 1st Interval: No Data Ard Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Water Level: Static level: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Diameter of Hole	e: Diameter: 8 in From Surface To 13 ft		
Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-2 (#sacks and material) 2rd Interval: No Data 3rd Interval: No Data Wethod Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Completion: Alternative No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Ype Of Pump: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Method:	Air Rotary		
2nd Interval: No Data 3rd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Ype Of Pump: No Data Welter Quality: Type of Water: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc Supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for comp	Borehole Completion:		to 13 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data			
Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Surface Completion:	Alternative Procedure Used		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:			
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	Casing or Cement/Bentonite left in well:	No Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Гуре Of Pump: No Data			
 Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Well Tests:	No Data		
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	Depth of Strata: No Data Chemical Analysis Made: No	trata which contained undesir	able constituents: No
	Certification Dat	supervision) and that each and all of the understood that failure to complete the re-	statements herein are true a	nd correct. The driller
	Company Information:		С.	

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27740) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-13 UPPER GLEN ROSE LIMESTONE Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-5 4 NEW SCH 40 PVC SCREEN 5-12.5 .050

BOERNE, TX 78015 Latitude:: 29"40"59" N BOERNE, TX 78015 Longitude:: 098"37"52" W BOERNE, TX 78015 Longitude:: 098"37"52" W BolEnvier, TX 78015 Longitude:: 098"37"52" W Bear Longitude:: 098"37"52" W Elevation: No Data GPS Brand Used:: GARMIN Type of Work: New Well Proposed Use:: Monitor Drilling Date: Started: 8/6/2002 Completed: 8/6/2002 Monitor Drilling Method: Air Rotary Monitor Straight Wall Gravel Packed From: 13 ft to 41 ft Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1f to 15 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 1f th to 16 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 1f the: No Lata Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method / Verification: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: No Data Water Level: Static level: No Data Approved by Varianc	Owner:	U.S. GOVERMENT	Owner Well #:	AOC65-VEW16-LGR
BOERNE, TX 78015 Well County: Bexar Longitude:: 098*37*52* W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/5/2002 Completed: 8/6/2002 Monitor Drilling Method: Air Rotary Borehole Diameter: 8 in From Surface To 41 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 13 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Surface Alternative Procedure Used Static level: No Data Atternative Procedure Used Water Level: Static level: No Data Atternative Procedure Used Static Procedure Used Weth Caulity: Type of Vater: No Data Depth of Strata: No Data Depth of Strata: No Data Weth Caulity: Type of Water: No Data Depth of Strata: No Data Depth of Str	Address:		Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/5/2002 Completed: 8/6/2002 Monitor Diameter of Hole: Diameter: 8 in From Surface To 41 ft From Surface To 41 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Gameter Straight Wall Gravel Packed From: 13 ft to 41 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) Annular Seal Data: 1st Interval: From 11 ft to 13 ft with BENTONITE-2 (#sacks and material) Surface Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Surface Completion: Alternative Procedure Used Commented By: JOSE LANDEROS Surface Surface Casing or Cement/Bentonite left in well: No Data Surface Surface Water Level: Static level: No Data Surface Surface Well Tests: No Data Surface: No Data Surface Well Tests: No Data Surface Chemical Analysis Made: No Well Tests: No Data Surface: No Data Surface: No Data Chemical Analysis Made: No Data Surface: No Data <th>Well Location:</th> <th></th> <th>Latitude:</th> <th>29°40' 59" N</th>	Well Location:		Latitude:	29°40' 59" N
Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/5/2002 Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 41 ft Dilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Casing or Cement/Bentonite left in well: No Data Water Level: Static level: No Data Water Cuality: Type of Water: No Data Well Tests: No Data Well Tests: No Data Weater Quality: Type of Water: No Data Certification Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and	Well County:	Bexar	Longitude:	098°37' 52" W
Drilling Date: Started: 8/5/2002 Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 41 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) 3rd Interval: From 11 ft to 13 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 11 ft to 13 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 11 ft to 13 ft with BENTONITE-2 (#sacks and material) 3rd Interval: Post Annular Seal Data: 1st Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data De	Elevation:	No Data	GPS Brand Used:	GARMIN
Completed: 8/6/2002 Diameter of Hole: Diameter: 8 in From Surface To 41 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) 2nd Interval: From 11 ft to 13 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: Th	Type of Work:	New Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Distance to Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion are true and correct. The driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Date:			
Borehole Straight Wall Gravel Packed From: 13 ft to 41 ft Completion: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-2 (#sacks and material) Surface Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Verification: No Data Method Of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Water Level: Static level: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direc Superification Data: </td <td>Diameter of Hole</td> <td>e: Diameter: 8 in From Surface To 41 ft</td> <td></td> <td></td>	Diameter of Hole	e: Diameter: 8 in From Surface To 41 ft		
Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 0 ft to 11 ft with CEMENT-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Method:	Air Rotary		
2nd Interval: From 11 ft to 13 ft with BENTONITE-2 (#sacks and material) 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method J Verification: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNA	Borehole Completion:		t to 41 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data		aterial)	
Artesian flow: No DataPackers:No DataPlugging Info:Casing or Cement/Bentonite left in well: No DataType Of Pump:No DataWell Tests:No DataWater Quality:Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGEOPROJECTS INTERNATIONAL, INC.	Surface Completion:	Alternative Procedure Used		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:			
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	Casing or Cement/Bentonite left in well:	No Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump:	No Data		
 Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Well Tests:	No Data		
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	Depth of Strata: No Data Chemical Analysis Made: No	trata which contained undesir	able constituents: No
	Certification Data	supervision) and that each and all of the understood that failure to complete the re	statements herein are true ar	nd correct. The driller
	Company Information:		C.	

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27742) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-35 UPPER GLEN ROSE LIMESTONE 35-41 LOWER GLEN ROSE LIMESTONE CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-15 4 NEW SCH 40 PVC SCREEN 15-40.5 .050

BOERNE, TX 78015 Latitude:: 29"40"58" N BOERNE, TX 78015 Longitude:: 098"37"52" W BOERNE, TX 78015 Longitude:: 098"37"52" W BolEnvier, TX 78015 Longitude:: 098"37"52" W Blevation: No Data GPS Brand Used:: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/24/2002 Completed: 8/25/2002 Monitor Drilling Method: Air Rotary Monitor Borehole Straight Wall Gravel Packed From: 20 ft to 53.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 16 ft to 20 ft with BENTONITE-2 (#sacks and and and the to the toffer tot tot well was drilled under the driller ft we	Owner:	U.S. GOVERMENT	Owner Well #:	AOC65-VEW17-LGR
BOERNE, TX 78015 Longitude: 098°37°52" W Well County: Bexar Longitude: 098°37°52" W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/24/2002 Completed: 8/26/2002 Monitor Drilling Method: Air Rotary Borehole Started: No Started: Packed From: 20 ft to 53.5 ft Dornheim: Gravel Pack Size: 4/10 Air Rotary Borehole Started: Brown 1ft to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Well Tests: No Data Well Tests: No Data Well Tests: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which cont	Address:		Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Promote the started: 8/24/2002 Completed: 8/25/2002 Diameter of Hole: Diameter: 8 in From Surface To 53.5 ft Drilling Method: Air Rotary Borehole Gstraight Wall Gravel Packed From: 20 ft to 53.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 16 to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Well Tests: No Data Well Tests: No Data Well Tests: No Data Well Tests: No Data Depth of Straiz: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data Chemical Analysis Made: No Did the driller tat the driller drilled this well (or the well was drilled under the driller st drice supervision) and that each and all of the statements herina are true and correct. The driller Chemical Analysis Made: No Did the driller tat the driller drilled this well (or the well was drilled under the driller st drice supervisi	Well Location:		Latitude:	29°40' 58" N
Type of Work: New Well Proposed Use: Monitor Type of Work: Started: 8/24/2002 Completed: 8/25/2002 Monitor Diameter of Hole: Diameter: 8 in From Surface To 53.5 ft Diameter: 8 in From Surface To 53.5 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 20 ft to 53.5 ft Sorehole Straight Wall Gravel Packed From: 20 ft to 53.5 ft Sorehole Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cernented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Casing or Cement/Bentonite left in well: No Data Water Level: Static level: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Well Tests: No Data Chemical Analysis Made: No Did the driller knowingly penetra	Well County:	Bexar	Longitude:	098°37' 52" W
Drilling Date: Started: 8/24/2002 Completed: 8/25/2002 Diameter of Hole: Diameter: 8 in From Surface To 53.5 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 20 ft to 53.5 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: No Data Method Used: TREMIE Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller's direc supervision] and that each and all of the statements herein are true and correct. The driller's direc supervision] and that each and all of the statements herein are true and correct. The driller's direc supervision? MERONAL INC.	Elevation:	No Data	GPS Brand Used:	GARMIN
Completed: 8/25/2002Diameter of Hole:Diameter: 8 in From Surface To 53.5 ftDrilling Method:Air RotaryBoreholeStraight Wall Gravel Packed From: 20 ft to 53.5 ftCompletion:Gravel Pack Size: 4/10Annular Seal Data:1st Interval: From 1f to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Sputc Field or other Concentrated Contamination: No Data DataSurface Completion:Alternative Procedure UsedWater Level:Static level: No Data Artesian flow: No DataPlugging Info:Casing or Cement/Bentonite left in well: No DataPugging Info:Casing or Cement/Bentonite left in well: No DataWater Quality:Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Madie: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data:Water Quality:Type of Water: No Data Dig the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data:CompletionThe driller cortified that the driller drilled this well for the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and that each and all of the statements herein are true and correct. The driller understood that failure to complete the	Type of Work:	New Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 20 ft to 53.5 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Distance to Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: Completion and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Date:			
Borehole Completion: Straight Wall Gravel Packed From: 20 ft to 53.5 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 18 ft with CEMENT-7 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Wear Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Cuality: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Diameter of Hole	e: Diameter: 8 in From Surface To 53.5 ft	t	
Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 18 ft with CEMENT-7 (#sacks and material) 2rid Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Method:	Air Rotary		
2nd Interval: From 18 ft to 20 ft with BENTONITE-2 (#sacks and material) 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method J Verification: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc Supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPR	Borehole Completion:		ft to 53.5 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.		3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data		aterial)
Artesian flow: No DataPackers:No DataPlugging Info:Casing or Cement/Bentonite left in well: No DataType Of Pump:No DataWell Tests:No DataWater Quality:Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGEOPROJECTS INTERNATIONAL, INC.	Surface Completion:	Alternative Procedure Used		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:			
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	Casing or Cement/Bentonite left in well:	No Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump:	No Data		
 Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Well Tests:	No Data		
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	Depth of Strata: No Data Chemical Analysis Made: No	strata which contained undesir	able constituents: No
	Certification Data	supervision) and that each and all of the understood that failure to complete the r	statements herein are true a	nd correct. The driller
	Company Information:		С.	

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27743) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-35 UPPER GLEN ROSE LIMESTONE 35-53.5 LOWER GLEN ROSE LIMESTONE CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-22 4 NEW SCH 40 PVC SCREEN 22-52 .050

Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/21/2002 Completed: 8/22/2002 Diameter of Hole: Diameter: 8 in From Surface To 79 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Packers: No Data Water Level: Static level: No Data Depth of Strais: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller complete the required items will result in the log(s) being returned for completion and resubmittal.		S	TATE OF TEXAS WELL REPO	JKI for Tracking #2	27744
BOERNE, TX 78015 Latitude:: 29"40" 58" N Well Location: CAMP STANLEY STORAGE ACTIVITY BOERNE, TX 78015 Longitude:: 098" 37" 52" W Well County: Bexar Longitude:: 098" 37" 52" W Elevation: No Data GPS Brand Used:: GARMIN Type of Work: New Well Proposed Use:: Monitor Drilling Date: Starled: 8/22/2002 Completed: 8/22/2002 Monitor Drilling Method: Diameter: 8 in From Surface To 79 ft Monitor Drilling Method: Air Rotary Straight Wall Gravel Packed From: 15 ft to 56 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Jard Interval: No Data Method Used: TREMIE Commented By: JOSE LANDEROS Distance to Septit Field or other Concentrated Contamination: No Data Mathrda Of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Surface Alternative Procedure Used Verification: No Data Verification: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Verification and result with contained undesirable constituents: No Well Tests: No Data	Owner:	U.S. (GOVERMENT	Owner Well #:	AOC65-VEW18-LGR
BOERNE, TX 78015 Longitude: 098°37°52° W Well County: Bexar Longitude: 098°37°52° W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/21/2002 Completed: 8/22/2002 Diameter of Hole: Diameter: 8 in From Surface To 79 ft Monitor Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Sorehole Straight Wall Gravel Packed From: 15 ft to 56 ft Geravel Pack Size: 4/10 Annular Seal Data: 1st Interval: No Data Annular Seal Data: 1st Interval: No Data Straight Wall Gravel Packed From: 0 Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Surface Alternative Procedure Used Variance: No Data Approved by Variance: No Data Surface No Data Variance: No Data Yare Straight Mail Gravel Packed Straight Mail Gravel Packers: Water Level: Static level: No Data Atternative Procedure Used Yare Straight Mail Gravel Packers: Water Cuality: Type of Water: No Data Depth of Strata: No Data D	Address:			Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Proposed Use: Monitor Dilling Date: Started: 8/21/2002 Completed: 8/22/2002 Diameter of Hole: Diameter: 8 in From Surface To 79 ft Dilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Well Tests: No Data Well Tests: No Data Depth of Straiz: No Data Chemical Analysis Made: No Did the driller convingly penetrate any strata which contained undesirable constituents: No Certification Data Surface Completion and resubmittal.	Well Location:			Latitude:	29°40' 58" N
Type of Work: New Weil Proposed Use: Monitor Drilling Date: Started: 8/21/2002 Completed: 8/22/2002 Diameter of Hole: Diameter: 8 in From Surface To 79 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Surface Alternative Procedure Used Completion: Casing or Cement/Bentonite left in well: No Data Yue Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Data Chefical Analysis Made: No Data Chefical Analysis Made: No Did the driller certified that the driller drilled miles will result in the	Well County:	Bexa	r	Longitude:	098°37' 52" W
Drilling Date: Started: 8/21/2002 Completed: 8/22/2002 Diameter of Hole: Diameter: 8 in From Surface To 79 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Borehole Straight Wall Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Borehole Straight Wall OssE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Verperty Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller complete the required items will result in the log(s) being returned for competition and that each and all of the statements herein are true and correct. The driller's direc supervision) and that each and all of the statements herein are true and correct. The driller competition and that each and all of the required items will result in the log(s) being returned for completion and resubmittal.	Elevation:	No Da	ata	GPS Brand Used:	GARMIN
Completed: 8/22/2002 Diameter of Hole: Diameter: 8 in From Surface To 79 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Atternative Procedure Used Completion: Atternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No </td <td>Type of Work:</td> <td>New</td> <td>Well</td> <td>Proposed Use:</td> <td>Monitor</td>	Type of Work:	New	Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 15 ft to 56 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Distrace: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification driller knowingly penetrate and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Date:	-			
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Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 13 ft to 15 ft with BENTONITE-4 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data 3rd Interval: No Data Bathon Data Wethod Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Anternative Procedure Used Completion: Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Yupe Of Pump: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC. </td <td>Drilling Method:</td> <td>. 4</td> <td>Air Rotary</td> <td></td> <td></td>	Drilling Method:	. 4	Air Rotary		
2nd Interval: No Data 3rd Interval: No Data 3rd Interval: No Data Method Uset: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Ype Of Pump: No Data Welt Tests: Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Completion Data <				o 56 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Dat Distance to Property Line: No Data Method of Verification: No Data				
Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Surface Completion:	ļ	Alternative Procedure Used		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:				
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	M	lo Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	C	Casing or Cement/Bentonite left in well: N	o Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump: No Data		lo Data		
 Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Well Tests:	٢	lo Data		
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	C C	Depth of Strata: No Data Chemical Analysis Made: No	ata which contained undesir	able constituents: No
	Certification Dat	s L	upervision) and that each and all of the st inderstood that failure to complete the req	atements herein are true ar	nd correct. The driller
	Company Information:				

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27744) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-36 UPPER GLEN ROSE LIMESTONE 36-79 LOWER GLEN ROSE LIMESTONE CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-16 4 NEW SCH 40 PVC SCREEN 16-56 .050

BOERNE, TX 78015 Data Well Location: CAMP STANLEY STORAGE ACTIVITY BOERNE, TX 78015 Longitude:: 29*40*59* N BOERNE, TX 78015 Longitude:: 098*37*52* W Well County: Bexar Longitude:: 098*37*52* W Elevation: No Data GPS Brand Used:: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/9/2002 Completed: 8/9/2002 Monitor Drilling Method: Air Rotary Monitor Borehole Straight Wall Gravel Packed From: 3 ft to 26 ft Gravel Pack Size: 4/10 Completion: Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Commented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Surface Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Weater Level: Static level: No Data Data No Data Method Nae: No Data Weater Quality: Type of Water: No Data Data No Data Commetor and cornet. The driller or office or other in are true and cornet. The driller or other in are true and cornet. The driller or other if a state meths hear in are true and co	Owner:	U.S. GOVERMENT	Owner Well #:	AOC65-VEW19-LGR
BOERNE, TX 78015 Well County: Bexar Longitude:: 098*37*52* W Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/9/2002 Completed: 8/9/2002 Monitor Drilling Method: Air Rotary Borehole Diameter: 8 in From Surface To 26 ft Drilling Method: Air Rotary Borehole Started: Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Started Ide or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Surface Alternative Procedure Used Static level: No Data Approved by Variance: No Data Surface No Data Variance: No Data Completion: Static level: No Data Artesian flow: No Data Static level: No Data Weater Level: Static level: No Data Artesian flow: No Data Static level: No Data Weater Cuality: Type of Water: No Data Depth of Strata: No Data Static level: No Data Weater Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Cheminica Analysis Made: No Did the driller knowing	Address:		Grid #:	68-19-6
Elevation: No Data GPS Brand Used: GARMIN Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Promoved Use: Monitor Drilling Date: Started: 8/9/2002 Completed: 8/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 26 ft Drilling Method: Air Rotary Borehole Gstraight Wall Gravel Packed From: 3 ft to 26 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Water Level: Static level: No Data Packers: No Data Well Tests: No Data Well Tests: No Data Well Tests: No Data Depth of Straiz: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller woningly penetrate any strata which contained under the drillers direc supervision) and that each and all of the statements herein are true and correct. The driller Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data Chemical Analysis Made: No Did the driller that the driller drilled this well (or the well was drilled under the drillers direc supervision) and that each and all of the statements herein are true and correct. The driller Chemical Analysis Made: No Did the driller to the driller drilled this well (or the well was drilled under the driller state or complete the required items will result in the log(s) being returned for completion and result and the statements herein are true and correct. The driller Completion and result that the driller trilled the statements herein are true and correct. The driller Completion and resulting there the requi	Well Location:		Latitude:	29°40' 59" N
Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 8/9/2002 Completed: 8/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 26 ft Dilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 26 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Surface Alternative Procedure Used Surface Alternative Procedure Used Water Level: Static level: No Data Water Level: Static level: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Certification Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's driller supervision) and that each and all of the statements	Well County:	Bexar	Longitude:	098°37' 52" W
Drilling Date: Started: 8/9/2002 Completed: 8/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 26 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 26 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TREMIE Completion: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Attensian flow: No Data Packers: No Data Packers: No Data Weater Level: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Weater Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Cartification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Cartification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Cartification Data: The driller complete the required items will result in the log(s) being returned for completion and that each and ail of the statements herein are true and correct. The driller's direct supervision and that each and ail of the statements herein are true and correct. The driller's direct supervision and that each and ail of the statements herein are true and correct. The driller's direct supervision? METHONE ADDATA Data Depth of Strata: No Data Network of that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Elevation:	No Data	GPS Brand Used:	GARMIN
Completed: 8/9/2002 Diameter of Hole: Diameter: 8 in From Surface To 26 ft Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 26 ft Completion: Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Sputc Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Water Surger No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete t	Type of Work:	New Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Straight Wall Gravel Packed From: 3 ft to 26 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Casing result in the driller statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Date:			
Borehole Completion: Straight Wall Gravel Packed From: 3 ft to 26 ft Gravel Pack Size: 4/10 Annular Seal Data: 1st Interval: From 1 ft to 3 ft with BENTONITE-3 (#sacks and material) 2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Completion: Alternative Procedure Used Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Diameter of Hole	e: Diameter: 8 in From Surface To 26 ft		
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2nd Interval: No Data 3rd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Ype Of Pump: No Data Water Quality: Type of Water: No Data Vell Tests: No Data Water Quality: Type of Water: No Data Vater Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc Supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Borehole Completion:	Straight Wall Gravel Packed From: 3 ft Gravel Pack Size: 4/10	to 26 ft	
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Annual Sea Da	2nd Interval: No Data 3rd Interval: No Data Method Used: TREMIE Cemented By: JOSE LANDEROS Distance to Septic Field or other Concen Distance to Property Line: No Data Method of Verification: No Data		
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Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Water Level:			
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Packers:	No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC.	Plugging Info:	Casing or Cement/Bentonite left in well:	No Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump:	e Of Pump: No Data		
Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGEOPROJECTS INTERNATIONAL, INC.	Well Tests:	No Data		
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company GEOPROJECTS INTERNATIONAL, INC. 	Water Quality:	Depth of Strata: No Data Chemical Analysis Made: No	trata which contained undesir	able constituents: No
	Certification Data	supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for		nd correct. The driller
	Company Information:		C.	

	AUSTIN, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	JOSE LANDEROS
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #27745) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-26 UPPER GLEN ROSE LIMESTONE Dia. New/Used Type Setting From/To 4 NEW SCH 40 PVC RISER 0-5 4 NEW SCH 40 PVC SCREEN 5-25.3 .050 State Well Reports are unavailable for the following wells:

VEW-20
VEW-21
VEW-22
VEW-23
VEW-24
VEW-25
VEW-26
VEW-27
VEW-28A
VEW-28B

VEW 20 - 28a/b Well Statistics

V	/EW	Well Materials Installation Date	Screen Interval (fbgs)	Sand Interval (fbgs)	Bentonite Seal (fbgs)	Grout (fbgs)
VE	W 20	4/10/07	10 - 25	8 - 27	5 - 8	2 - 5
VE	W 21	4/19/07	12 - 27	10 - 27	8 - 10	2 - 8
VE	W 22	4/9/07	25 - 50	23 - 51	20 - 23	2 - 20
VE	W 23	4/10/07	6 - 21	4 - 21	2 - 4	n/a
VE	W 24	4/11/07	25 - 50	23 - 50	20 - 23	2 - 20
VE	W 25	4/11/07	6 - 21	4 - 21	2 - 4	n/a
VE	W 26	4/12/07	25 - 50	23 - 50	20 - 23	2 - 20
VEW 27		4/13/07	6 - 21	4 - 21	2 - 4	n/a
	VEW 28a	4/26/07	80 - 120	78 - 120	75 - 78	2 - 75
Nested	VEW 28b	4/27/07	139.3 - 179.3	137.3 - 179.3	135.3 - 137.3	120 - 135.3

VEWs 20 - 27 are 4" diameter, with Schedule 40 PVC risers and screens. Screens are 0.020-inch factory slotted.

VEWs 28a and 28b are 2" diameter, with Schedule 40 PVC risers and screens. Screens are 0.020-inch factory slotted.

Owner	C	nn Stanlov Storage Activity	Owner Well #:	VEW-29
Owner:		np Stanley Storage Activity		
Address:		00 Ralph Fair Road erne,TX 78015	Grid #:	68-19-6
Well Location:		00 RALPH FAIR ROAD rne , TX 78015	Latitude:	29°40' 59" N
Well County:	Bex	ar	Longitude:	098°37' 52" W
Elevation:	122	0 ft.	GPS Brand Used:	Garmin
Type of Work:	Nev	v Well	Proposed Use:	Monitor
Drilling Date:		Started: 5/4/2011 Completed: 5/4/2011		
Diameter of Hole	e:	Diameter: 7-7/8 in From Surface To 45	ft	
Drilling Method:		Air Rotary		
Borehole Completion:		Gravel Packed From: 4.5 ft to 42 ft Gravel Pack Size: 8/16		
		2nd Interval: From 3 ft to 4.5 ft with 1-E 3rd Interval: From 42 ft to 45 ft with 2-E Method Used: Poured from Surface		
		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data		ta
		Cemented By: Evan Schaefer TDLR # Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data		ta
Completion:		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data		ta
Completion:		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Slab Installed Static level: No Data		ta
Completion: Water Level: Packers:		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Slab Installed Static level: No Data Artesian flow: No Data	itrated Contamination: No Da t	ta
Completion: Water Level: Packers: Plugging Info:		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Slab Installed Static level: No Data Artesian flow: No Data No Data	itrated Contamination: No Da t	ta
Surface Completion: Water Level: Packers: Plugging Info: Type Of Pump: Well Tests:		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Slab Installed Static level: No Data Artesian flow: No Data No Data Casing or Cement/Bentonite left in well:	itrated Contamination: No Da t	ta
Completion: Water Level: Packers: Plugging Info: Type Of Pump: Well Tests:		Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concern Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Slab Installed Static level: No Data Artesian flow: No Data No Data Casing or Cement/Bentonite left in well: No Data	No Data	
Completion: Water Level: Packers: Plugging Info: Type Of Pump:	a:	Cemented By: Evan Schaefer TDLR # 8 Distance to Septic Field or other Concer Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Slab Installed Static level: No Data Artesian flow: No Data No Data Casing or Cement/Bentonite left in well: No Data No Data Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No	No Data trata which contained undesirations well (or the well was drille statements herein are true ar	able constituents: No ed under the driller's direc

	Austin , TX 78736
Driller License Number:	2525
Licensed Well Driller Signature:	Lee Gebbert
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #264901) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0 to 35 Limestone, Upper Glen Rose Formation 35 to 45 Limestone, Lower Glen Rose Formation CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 New SCH 40 PVC Flush Joint Threaded (FJT) Casing set from 0 to 5 4 New SCH 40 PVC (FJT) Mill Slot Screen set from 5 to 40 with 0.040-inch slot

Address: 25800 RALPH Fair Road Boerne, TX 78015 Grid #: 68-19-6 Weil Location: 25800 RALPH FAIR ROAD Boerne, TX 78015 Latitude: 29*40*59* N Boerne, TX 78015 Longitude: 098*37*52" W Weil County: Bexar Longitude: 098*37*52" W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Weil Proposed Use: Monitor Drilling Date: Started: 5/5/2011 Completed: 5/5/2011 Completed: 5/5/2011 Grid #:: Diameter of Hole: Diameter: 7/78 in From Surface To 30 ft Monitor Drilling Method: Air Rotary Borehole Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 3 ft to 4.5 ft with 1-Cement (#sacks and material) 2nd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Contennitated Contamination: No Data Method Of Verification: No Data Approved by Variance: No Data Vater Level: Static level: No Data Vater Level: Static level: No Data Vater Quality: Type of Water: No Data Vater Quality: Type of Water: No Data	STATE OF TEXAS WELL REPORT for Tracking #264904				
Boerne , TX 78015 Latitude:: 29"40"59" N Boerne , TX 78015 Latitude:: 29"40"59" N Boerne , TX 78015 Longitude:: 098"37"52" W Well County: Bexar Longitude:: 098"37"52" W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/5/2011 Completed: 5/5/2011 Monitor Drilling Mathod: Air Rotary Monitor Monitor Borenole Gravel Packed From: 4.5 ft to 30 ft Gompletion: Gravel Packed From: 4.5 ft to 30 ft Completion: Gravel Pack Size: 8/16 Monitor Started: No Data Method Used: Poured from Surface Completion: Gravel Pack Size: 8/16 Method Used: Poured from Surface Cemented By: Evan Schafeer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method Used: Poured No Data Method O Verification: No Data Approved by Variance: No Data Surface Surface Slab Installed Method of Verification: No Data Method of Verification: No Data Water Level: Static level: No Data No Data Meate	Owner: Camp Stanley Storage Activity		np Stanley Storage Activity	Owner Well #:	VEW-30
Boerne, TX 78015 Well County: Bexar Longitude:: 098° 37° 52" W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/5/2011 Completed: 5/5/2011 Monitor Diameter of Hole: Diameter: 7-7/8 in From Surface To 30 ft Monitor Drilling Method: Air Rotary Sorehole Gravel Packed From: 4.5 ft to 30 ft Sorehole Gravel Packed From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 0 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 0 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: No Data Annular Seal Data: 1st Interval: From 0 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: No Data Sorehole Surface Surface to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Surface Surface Slab Installed Static level: No Data Sorehole Weater Level: Static level: No Data Static level: No Data Sorehole Weater Causiliy: Type of Water: No Data Sorehole Sorehole Weater Causiliy: No Data Distance Sorehole	Address:			Grid #:	68-19-6
Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Pack Started: 5/5/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 30 ft Drilling Method: Air Rotary Borehole Gravel Pack Strze: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Coment (#sacks and material) 3rd Interval: No Data Strze: 8/16 Annular Seal Data: 1st Interval: From 5 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: No Data Method Used: Poured from Surface Cernented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Water Level: Static level: No Data Depth of Strate: No Data Chemical Analysis Made: No Did the driller chromingly penetrate any strata which contained undesirable constituents: No Certification Data Chemical Analysis Made: No Did the driller thermational, Inc.	Well Location:			Latitude:	29°40' 59" N
Type of Work: New Well Proposed Use: Monitor Type of Work: Started: 5/5/2011 Completed: 5/5/2011 Completed: 5/5/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 30 ft Diameter: 7-7/8 in From Surface To 30 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 30 ft Borehole Gravel Packed From: 4.5 ft to 30 ft Gravel Packed From: 4.5 ft with 1-Cement (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: No Data Method Used: Poure from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Weater Level: No Data Weater Quality: Type of Water: No Data Weater Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which cont	Well County:	Bex	ar	Longitude:	098°37' 52" W
Drilling Date: Started: 5/5/2011 Completed: 5/5/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 30 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 30 ft Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 0 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 0 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 0 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From Starte Commented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Verperty Line: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Welt Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller's direc supervision and that each and all of the statements herein are true and correct. The driller's direc completion and resubmittal.	Elevation:	122	0 ft.	GPS Brand Used:	Garmin
Completed: 5/5/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 30 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 30 ft Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Dement (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Sputc Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Surface Slab Installed Completion: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Water Caveling Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller cortified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure	Type of Work:	Nev	v Well	Proposed Use:	Monitor
Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 30 ft Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Cement (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: Four 5 Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method J Verification: No Data Approved by Variance: No Data Surface Surface Slab Installed Completion: Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strate: No Data Chemical Analysis Made: No Did the driller knowingly penetr	Drilling Date:				
Borehole Completion: Gravel Packed From: 4.5 ft to 30 ft Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Surface Completion: Surface Slab Installed Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Diameter of Hol	e:	Diameter: 7-7/8 in From Surface To	30 ft	
Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Demont (#sacks and material) 2nd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Surface Surface Slab Installed Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Method:		Air Rotary		
2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Property Line: No Data Method Joef Verification: No Data Method of Verification: No Data Approved by Variance: No Data Method Interval: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Welter Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Borehole Completion:				
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.			3rd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR Distance to Septic Field or other Cond Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data	# 58772	
Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Surface Completion:		Surface Slab Installed		
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Water Level:				
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Packers:		No Data		
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Plugging Info:		Casing or Cement/Bentonite left in we	ell: No Data	
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump:		No Data		
 Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Well Tests: No Data				
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc. 	Depth of Strata: No Data Chemical Analysis Made: No		Depth of Strata: No Data Chemical Analysis Made: No	y strata which contained undesir	able constituents: No
	supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned		nd correct. The driller		
	Company Information:				

	Austin , TX 78736
Driller License Number:	2525
Licensed Well Driller Signature:	Lee Gebbert
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

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Please include the report's Tracking number (Tracking #264904) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 to 30 Limestone, Upper Glen Rose Formation Dia. New/Used Type Setting From/To 4 New SCH 40 PVC Flush Joint Threaded (FJT) Casing set from 0 to 5 4 New SCH 40 PVC (FJT) Mill Slot Screen set from 5 to 25 with 0.040-inch slot

Address: 25800 Ralph Fair Road Beerne, TX 78015 Grid #:: 68-19-6 Well Location: 25800 RALPH FAIR ROAD Beerne, TX 78015 Latitude:: 29° 41' 00" N Beerne, TX 78015 Longitude: 098° 37' 52" W Well County: Bexar Longitude: 098° 37' 52" W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/6/2011 Completed: 5/6/2011 Started: 5/6/2011 Started: 5/6/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 45 ft Drilling Method: Air Rotary Borehole Gravel Pack Size: 8/16 Gravel Pack Size: 8/16 Annular Seal Data: 151 Ads ft with 1-2ement (#sacks and material) 23 di Interval: From 3 ft to 4.5 ft with 1-2emontite (#sacks and material) 23 di Interval: From 3 ft to 4.5 ft with 2-8entonite (#sacks and material) 23 di Interval: From 3 ft to 4.5 ft with 2-8entonite (#sacks and material) 23 di Interval: From 3 ft to 4.5 ft with 2-8entonite (#sacks and material) 23 di Interval: From 3 ft to 4.5 ft with 2-8entonite (#sacks and material) 24 di Method U Sed: Poured from Surface Sacks and material) 25 di Listence to Septic Field or other Concentrated Contamination: No Data Surface Surface Slab Installed Sacks and material Completion: No Data <th>~</th> <th>~</th> <th>.</th> <th>_</th> <th></th>	~	~	.	_		
Boerne, TX 78015 Well Location: 25800 RALPH FAIR ROAD Boerne, TX 78015 Latitude:: 29°41'00" N Boerne, TX 78015 Longitude: 098°37'52' W Well County: Bexar Longitude: 098°37'52' W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/6/2011 Completed: 5/6/2011 Monitor Diameter of Hole: Diameter; 7-7/8 in From Surface To 45 ft Monitor Drilling Method: Air Rotary Boernole Gravel Packed From: 4.5 ft to 42 ft Somehole Gravel Packed From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 2rd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Bentonite (#sacks and material) Method Used: Poure of from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Approved by Variance: No Data Water Level: Starte level: No Data Water Level: Starte level: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Well Tests: No Data Water Q				Owner Well #:	VEW-31	
Boerne, TX 78015 Longitude: 098°37' 52" W Well County: Bexar Longitude: 098°37' 52" W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/6/2011 Completed: 5/6/2011 Diameter of Hole: Diameter; 7-7/8 in From Surface To 45 ft Diameter; 7-7/8 in From Surface To 45 ft Diameter; 7-7/8 in From ft to 3 ft with 1-Cement (#sacks and material) Borehole Gravel Packed From: 4.5 ft to 42 ft Gravel Packed From 4 ft to 45 ft with 2-Benonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 2-Benonite (#sacks and material) 3rd Interval: From 4 ft to 45 ft with 2-Benonite (#sacks and material) 3rd Interval: From 4 ft to 45 ft with 2-Benonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Benonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Benonite (#sacks and material) Sufface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Fild or other Concentrated Contamination: No Data Surface Surface Slab Installed Surface Slab Installed Water Level: Static level: No Data Top of Varie: No Data Packers: No Data Depth	Address:			Grid #:	68-19-6	
Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/6/2011 Completed: 5/6/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 45 ft Drilling Method: Air Rotary Borehole Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft o 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) Borehole Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 2-Bentonite (#sacks and material) Borehole Section: From 42 ft to 4.5 ft with 2-Bentonite (#sacks and material) Borehole Section: No Data Cemented By: Evan Schaeffer TDLR # 58772 Distance to Poperty Line: No Data Method of Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Approved by Variance: No Data Packers: No Data Packers: No Data Water Level: Static level: No Data Depth of Straiz: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller that the driller drilled this well (or the well was drilled under the driller st dried sufficient and of the statements herein and true and correct. The driller Supervision and that each and all of the statements herein are true and correct. The driller Supervision and that each and all of the statements herein are true and correct. The driller Supervision and the each and all of the statements herein are true and correct. The driller Supervision and the each and all of the statements herein areconstituents into e	Well Location:			Latitude:	29°41' 00" N	
Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 5/6/2011 Completed: 5/6/2011 Diameter of Hole: Diameter 7-7/8 in From Surface To 45 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 42 ft Completion: Gravel Packed From: 4.5 ft to 42 ft Completion: Gravel Packed From: 4.5 ft to 42 ft Completion: Gravel Packed From: 4.5 ft to 45 ft with 1-Cement (#sacks and material) 2nd Interval: From 31 to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 31 to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 31 to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 31 to 4.5 ft with 1-Bentonite (#sacks and material) Method Used: Poured from Surface Cernented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Method of Verification: No Data Surface Completion: Surface Stab Installed Completion: Water Level: Static level: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: No Data Well Tests: No Data <	Well County:	Bex	ar	Longitude:	098°37' 52" W	
Drilling Date: Started: 5fe/2011 Completed: 5fe/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 45 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 42 ft Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 2 ft to 4 5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 2 ft to 4 5 ft with 2-Bentonite (#sacks and material) Britonetad By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Distance to Verification: No Data Approved by Variance: No Data Approved by Variance: No Data Artesian flow: No Data Packers: No Data Packers: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingby penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller driller supervision) and that each and all of the statements herein are true and correct. The driller or completion and resubmittal.	Elevation:	122	D ft.	GPS Brand Used:	Garmin	
Completed: 5/6/2011 Diameter of Hole: Diameter: 7-7/8 in From Surface To 45 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 42 ft Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 42 ft to 45 ft with 2-Bentonite (#sacks and material) 3rd Interval: From 20 ft to 5 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 5 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: From 20 ft to 45 ft with 2-Bentonite (#sacks and material) 2nd Interval: No Data Surface Surface Slab Installed Completion: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical	Type of Work:	Nev	/ Well	Proposed Use:	Monitor	
Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 42 ft Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite Interval: From 3 Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Drilling Date:					
Borehole Completion: Gravel Packed From: 4.5 ft to 42 ft Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 3 ft to 4.5 ft with 1-Cement (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Bentonite (#sacks and material) Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Approved by Variance: No Data Surface Surface Slab Installed Completion: Static level: No Data Approved by Variance: No Data Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Ype Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller conflict dhat the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	Diameter of Hole	e:	Diameter: 7-7/8 in From Surface To	45 ft		
Completion: Gravel Pack Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 2 ft to 4.5 ft with 2-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Bentonite (#sacks and material) Wathod Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method Used: Poured from Surface Completion: Surface Surface Slab Installed Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for complet	Drilling Method:		Air Rotary			
2nd Interval: From 3 ft to 4.5 ft with 1-Bentonite (#sacks and material) 3rd Interval: From 42 ft to 45 ft with 2-Bentonite (#sacks and material) Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Property Line: No Data Method Used: Poured from Surface Completion: Surface Surface Completion: Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Well Tests: Water Quality: Type of Pump: No Data Water Quality: Type of Water: No Data Certification Data: Water Quality: Type of Water: No Data Certification Data: Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understool that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.						
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	3rd Interval: From 42 ft Method Used: Poured 1 Cemented By: Evan So Distance to Septic Field Distance to Property Lir Method of Verification: I		3rd Interval: From 42 ft to 45 ft with a Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR Distance to Septic Field or other Cond Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data	2-Bentonite (#sacks and mate # 58772	rial)	
Artesian flow: No DataPackers:No DataPlugging Info:Casing or Cement/Bentonite left in well: No DataType Of Pump:No DataWell Tests:No DataWater Quality:Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGeoprojects International, Inc.			Surface Slab Installed			
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Water Level:					
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Packers:		No Data			
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.	Plugging Info:		Casing or Cement/Bentonite left in well: No Data			
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company 	Type Of Pump:		No Data			
Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyGeoprojects International, Inc.	Well Tests:		No Data			
 supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc. 	Depth of Strata: No Data Chemical Analysis Made: No		Depth of Strata: No Data Chemical Analysis Made: No	y strata which contained undesi	able constituents: No	
	Certification Dat	a:	supervision) and that each and all of t understood that failure to complete th	the statements herein are true a	nd correct. The driller	
	Company					

	Austin , TX 78736
Driller License Number:	2525
Licensed Well Driller Signature:	Lee Gebbert
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #264906) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0 to 37 Limestone, Upper Glen Rose Formation 37 to 45 Limestone, Upper Glen Rose Formation CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 New SCH 40 PVC Flush Joint Threaded (FJT) Casing set from 0 to 5 4 New SCH 40 PVC (FJT) Mill Slot Screen set from 5 to 40 with 0.040-inch slot

	STATE OF TEXAS WELL REPORT for Tracking #265243				
Owner: Camp Stanley Storage Activity		Owner Well #:	VEW-32		
Address:	25800 Ralph Fair Road Boerne , TX 78015	Grid #:	68-19-6		
Well Location:	25800 Ralph Fair Road Boenre , TX 78015	Latitude:	29°40' 59" N		
Well County:	Bexar	Longitude:	098°37' 52" W		
Elevation:	1220 ft.	GPS Brand Used:	Garmin		
Type of Work:	New Well	Proposed Use:	Monitor		
Drilling Date:	Started: 4/28/2011 Completed: 4/28/2011				
Diameter of Hole	e: Diameter: 8 in From Surface To	o 28 ft			
Drilling Method:	Air Rotary				
Borehole Completion:	Gravel Packed From: 4.5 ft to 2 Gravel Pack Size: 8/16	8 ft			
	3rd Interval: No Data Method Used: Poured from Su Cemented By: Evan Schaefer 1	TDLR # 58772 r Concentrated Contamination: No Da ata			
Surface Completion:	Surface Slab Installed				
Water Level:	Static level: No Data Artesian flow: No Data				
Packers:	No Data				
Plugging Info:	Casing or Cement/Bentonite left	Casing or Cement/Bentonite left in well: No Data			
Type Of Pump:	No Data	No Data			
Well Tests: No Data					
Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate		ate any strata which contained undesir	able constituents: No		
	The shiften a stiffe of the state shifte	or drilled this well (or the well was drill			
Certification Data	supervision) and that each and a	all of the statements herein are true a ete the required items will result in the	nd correct. The driller		

	Austin , TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	Jose Landeros
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #265243) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-28 Limestone, Upper Glen Rose Formation CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 New SCh 40 PVC Flush Joint Threaded (FJT) Casing set from 0 to 5 4 New SCh 40 PVC (FJT) Mill Slotted Screen set from 5 to 25 with 0.040-inch slot

Type of Work: New Weil Proposed Use: Monitor Drilling Date: Started: 5/4/2011 Completed: 5/4/2011 Completed: 5/4/2011 Diameter of Hole: Diameter: 8 in From Surface To 32 ft Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 32 ft Completion: Gravel Packed From: 4.5 ft to 32 ft Completion: Gravel Packed From: 4.5 ft vith 1-Cement (#sacks and material) 2nd Interval: From 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 3rd Interval: No Data Method Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Pugging Info: Casing or Cement/Bentonite left in well: No Data Yee Of Pump: No Data Weater Quality: Type of Water: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certiffication Data: Chemical Analysis Mad	STATE OF TEXAS WELL REPORT for Tracking #265244				
Boerne, TX 78015 Latitude:: 29"40"58" N Boerne, TX 78015 Latitude:: 29"40"58" N Boerne, TX 78015 Longitude:: 098"37"52" W Well County:: Bexar Longitude:: 098"37"52" W Elevation:: 1220 ft. GPS Brand Used:: Garmin Type of Work: New Well Proposed Use:: Monitor Drilling Date: Startect: 5/4/2011 Completed: 5/4/2011 Monitor Drilling Method: Air Rotary Monitor Monitor Borehole Gravel Packed From: 4.5 ft to 32 ft Gravel Packed Size: 8/16 Annular Seal Data: 1st Interval: From 0 ft to 3 ft with 1-Bent. Grout (#sacks and material) 2rd Interval: From 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 2rd Interval: From 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 2rd Interval: Form 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 2rd Interval: Form 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 2rd Interval: For 3 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 3rd Interval: From 3 ft to 4.5 ft with 1-Bent. Grout (fsacks and material) 2rd Interval:	Owner:	Car	np Stanley Storage Activity	Owner Well #:	VEW-33
Boerne, ŤX 78015 Well County: Bexar Longitude:: 998°37°52" W Elevation: 1220 ft. GPS Brand Used: Garmin Type of Work: New Well Proposed Use: Monitor Drilling Date: Staned: 5/4/2011 Completed: 5/4/2011 Monitor Diameter of Hole: Diameter: 8 in From Surface To 32 ft Monitor Drilling Method: Air Rotary Borehole Gravel Packed From: 4.5 ft to 32 ft Borehole Gravel Packed From 0 ft to 3 ft with 1-Cement (#sacks and material) 2nd Interval: From 0 ft to 4.5 ft with 1-Bent. Grout (#sacks and material) 3rd Interval: No Data Air Rotary Borehole Gravel Packed From: 4.5 ft to 32 ft Completion: Gravel Packed From: 4.5 ft to 32 ft Completion: Gravel Packed From: 4.5 ft with 1-Bent. Grout (#sacks and material) 3rd Interval: No Data Nethod Used: Poured from Surface Cemented By: Evan Schaefer TDLR # 58772 Distance to Septic Field or other Concentrated Contamination: No Data Nethod V erification: No Data Surface Surface Slab Installed Surface Slab Installed Surface Slab Installed Well Tests: No Data Vige of Pump: No Data Weater Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical A	Address:			Grid #:	68-19-6
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Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direc supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Geoprojects International, Inc.			Surface Slab Installed		
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	Certification Dat	ta:	understood that failure to complete the required items will result in the log(s) being returned for		
	Company Information:				

	Austin, TX 78736
Driller License Number:	2551
Licensed Well Driller Signature:	Jose Landeros
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

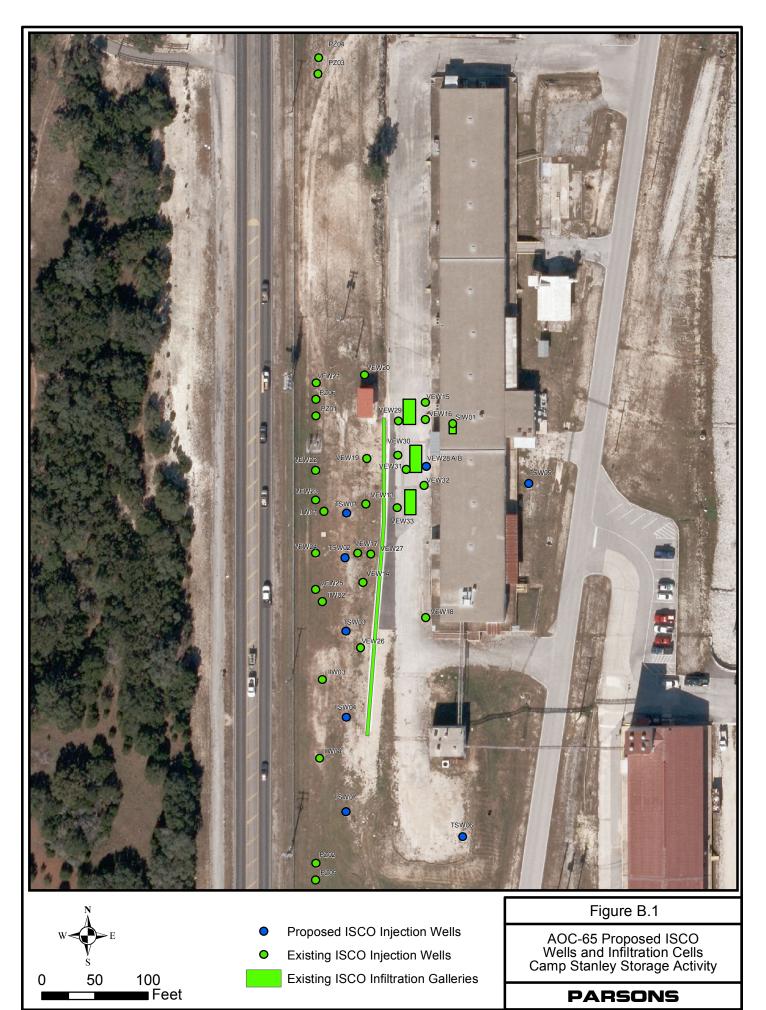
Please include the report's Tracking number (Tracking #265244) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-32 Limestone, Upper Glen Rose Formation CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 4 New SCh 40 PVC Flush Joint Threaded (FJT) Casing set from 0 to 5 4 New SCh 40 PVC (FJT) Mill Slotted Screen set from 5 to 25 with 0.040-inch slot Figure B.1



J:\CSSA\GIS\AOC65_Bldg90\Maps\AOC65_Figure B.1.mxd

Table 1

Injection Summary Table

Table 1

Camp Stanley Storage Activity AOC-65 ISCO Injection Summary

Phase I through Phase V Injections Injections Performed: May 2012 - November 2017

May 2012 - Ancillary Phase I Injections	216 ft ³ Sulfur Hexaflouride (SF ₆)	
Injustion Location	Gaseous SF ₆	
Injection Location	(ft ³)	
SIW-01	46	
Trench - Middle Zone	170	

August 2012 - Phase I Injections

19,800 lbs Sodium Persulfate

Oxidant - 10,500 gallons 20% persulfate solution Activator - 4,500 gallons 25% sodium hydroxide

Injection Location	Persulfate Solution	Activator
	(gal)	(gal)
Trench - Upper Zone	1,500	640
Trench - Middle Zone	5,400	2,310
Trench - Lower Zone	3,500	1,500
SIW-01	100	50

May 2013 - Phase II Injections

44,000 lbs Sodium Persulfate

Oxidant - 25,365 gallons 20% persulfate solution Activator - 8,500 gallons 25% sodium hydroxide

Injection Location	Persulfate Solution	Activator
injection Location	(gal)	(gal)
Trench - Upper Zone	5,407	1,770
Trench - Middle Zone	10,770	3,520
Trench - Lower Zone	8,088	2,645
IIW-01	250	80
IIW-02	250	80
IIW-03	250	80
IIW-04	250	80
SIW-01	100	32

September - November 2014 -

Phase III Injections

145,400 lbs Sodium Persulfate

Oxidant - 76,265 gallons 20% persulfate solution Activator - 27,000 gallons 25% sodium hydroxide

Injection Location	Persulfate Solution	Activator
	(gal)	(gal)
Trench - Upper Zone	16,170	5,717
Trench - Middle Zone	32,340	11,433
Trench - Lower Zone	24,255	8,574
IIW-01	925	325
IIW-02	925	325
IIW-03	925	325
IIW-04	665	240
SIW-01	60	25

Table 1 (cont.)

Camp Stanley Storage Activity AOC-65 ISCO Injection Summary

Phase I through Phase V Injections Injections Performed: May 2012 - November 2017

July 2015 - Ancillary Phase IV Injections	Dye Tracers	
Injection Location	<1 lb powdered dye in water	
	(gal)	
VEW-15 - Eosine	1	
VEW-32 - Fluorescein	1	
VEW-27 - Rhodamine WT	1	

August 2015 Phase IVa Injections 3,500 gallons Sodium Permanganate Oxidant - 3,500 gallons Sodium Permanganate (0.44 mg/L)

Injection Location	Permanganate Solution (gal)	
Northern Infiltration Cell (NIC)	1,000	
Middle Infiltration Cell (MIC)	1,000	
Southern Infiltration Cell (SIC)	1,000	
Interior Vault Cell (eastern and western)	500 (250 each)	

November 2015 Phase IVb Injections 7,000 gallons Sodium Permanganate

Oxidant - 3,500 gallons Sodium Permanganate (0.9 mg/L)

Injection Location	Permanganate Solution (gal)	
Northern Infiltration Cell (NIC)	3,750	
Middle Infiltration Cell (MIC)	1,250	
Southern Infiltration Cell (SIC)	925	
Interior Vault Cell (eastern and western)	1075 (537.5 each)	

December 2016 Phase V Injections

12 Oxidant-Infused Cylinders

Oxidant - Sodium Persulfate/Sodium Permanganate in paraffin wax (38:38:24) 2.5-inch or 1.35-inch diameter

	Cylinders	
Injection Location	lbs each oxidant/cylinder	total lbs oxidant
VEW-19 - 2.5-inch x2	2.185	8.74
VEW-27 - 1.35-inch x2	1.0925	4.37
VEW-32 - 2.5-inch x2	2.185	8.74
SIW-01 - 1.35-inch x2	1.0925	4.37
TSW-01 - 2.5-inch x2	2.185	8.74
TSW-05 - 1.35-inch x2	1.0925	4.37

November 2017 Phase V Injections (cont.) 6 additional Oxidant-Infused Cylinders

Oxidant - Sodium Persulfate/Sodium Permanganate in paraffin wax (38:38:24)

1.35-inch diameter

Previously installed cylinders remain in wells

	Cylinders	
Injection Location	lbs each	total lbs oxidant
	oxidant/cylinder	
VEW-19 - 1.35-inch (2.5-inch x2 prev.)	1.0925	2.185
VEW-27 - 1.35-inch (1.35-inch x2 prev.)	1.0925	2.185
VEW-32 - 1.35 -inch (2.5-inch x2 prev.)	1.0925	2.185
SIW-01 - 1.35-inch (1.35-inch x2 prev.)	1.0925	2.185
TSW-01 - 1.35-inch (2.5-inch x2 prev.)	1.0925	2.185
TSW-05 - 1.35-inch (1.35-inch x2 prev.)	1.0925	2.185