

June 15, 2012

STEVE CASTILLE

GEO SURVEYS, INC.

218 SOUTH LEGGETT

ABILENE, TX 79605

**HOBBS OCD**

JUN 15 2012

**RECEIVED**

RE: MESA 26 STATE #1 PIT CLOSURE

Enclosed are the results of analyses for samples received by the laboratory on 06/13/12 17:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

approved  
Heath Laking  
Env. Specialist  
NMOC-DIST 1  
6/18/12

**Analytical Results For:**

 GEO SURVEYS, INC.  
 STEVE CASTILLE  
 218 SOUTH LEGGETT  
 ABILENE TX, 79605  
 Fax To: (325) 676-9426

 Received: 06/13/2012  
 Reported: 06/15/2012  
 Project Name: MESA 26 STATE #1 PIT CLOSURE  
 Project Number: NONE GIVEN  
 Project Location: MESA 26 STATE #1

 Sampling Date: 06/13/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BACKGROUND 1 (H201337-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/14/2012	ND	416	104	400	3.77	

**Sample ID: NE 2 (5') (H201337-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	06/14/2012	ND	416	104	400	3.77		

**Sample ID: NE 2 (7') (H201337-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/15/2012	ND	416	104	400	3.77	

**Sample ID: SW 5 (5') (H201337-05)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/14/2012	ND	416	104	400	3.77		

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

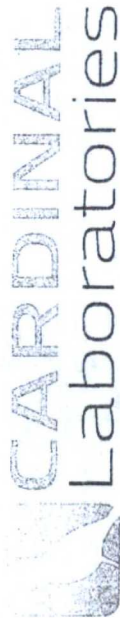
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO		ANALYSIS REQUEST												
P.O. #:														
Company: GEO SURVEYS INC.														
Attn: CALVIN DOMAGNEY														
Address: 218 SOUTH LEGGETT														
City: ABILENE TX														
State: TX Zip: 79605														
Phone #: 325-676-8063														
Fax #: 325-676-9921														
Project #:														
Project Name: MESA 26 STATE 1 ROSTER														
Project Location: MESA 26 STATE 1 ROSTER														
Sampler Name: STEVE CASTLE														
Lab I.D.	Sample I.D.	MATRIX	PRESERV	SAMPLING	DATE	TIME								
H201337	-1 Background 1	GROUNDWATER			6/13/12	11:45								
	2 Background 2	GROUNDWATER				11:50								
	3 NE 2 (5')	GROUNDWATER				11:20								
	4 NE 2 (7')	GROUNDWATER				11:50								
	5 SW 5 (5')	GROUNDWATER				11:55								
	6 SW 5 (7')	GROUNDWATER				11:57								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Steve Castle</i>	Received By: <i>Calvin Domagney</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: <i>325-668-2638</i>
Relinquished By: <i>Steve Castle</i>	Received By: <i>Calvin Domagney</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: <i>medicinebow2@yahoo.com</i>
Delivered By: (Circle One)		REMARKS: <i>Best!</i>	
Sampler - UPS - Bus - Other:			