#### HOBBS OCD

District 1 1625 N. French Dr., Hobbs, NM 88240 District 11 811 S. First St., Artesia, NM 88210 District 111 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 JUN **20** 2012<sub>State</sub> of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

RECEIVED il Conservation Division 1220 South St. Francis Dr.

1:00pm

GWQ90

Santa Fe, NM 87505

			Rel	ease Notific	atio	n and Co	orrective A	ction	1			
						<b>OPERA</b>	TOR		X Initia	al Report		Final Repor
Name of Co	ompany (	GeoSurve	ys, In	с.		Contact	Calvin Dona	aghey				
				ilene TX 79	9605							
Facility Nat							be Well 10			-	-	
Surface Ow	mer Sta	ate		Mineral C	wner	State			APIN	. 30-041	1-209	24
				LOCA	TIO	N OF RE	LEASE		(			
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/W	Vest Line	County		
L	26	2N	29E	1400	Sou	th	1100	Wes	t	Roosev	velt	
			La	titude34° 21	.948'	N Longitue	le 103° 52.	508'W				
						OF REL						
Type of Rele	ase Dra	illing F	luid			Volume of	Release 2Bb1	est	Volume H	Recovered	-	
Source of Re	lease P:	ĺt				Date and I	lour of Occurrent	ce ?	Date and	Hour of Dis	covery	-12-12
Was Immedi	ate Notice (					If YES, To					12:	:50pm
		X	Yes	No 🗌 Not Re	equired	Mr. Le	eking					

Date and Hour 6-12-12

If YES, Volume Impacting the Watercourse.

Describe	Cause of	of Probl	em and	Remedia	Action	Taken.	*
			-		_		_

If a Watercourse was Impacted, Describe Fully.\*

Steve Castille

Yes No

By Whom?

Was a Watercourse Reached?

Pit liner leaked. Dug down 5' and 7'as directed, found clean dirt. Delivered samples to Cardinal Labs. Samples passed, delivered same to OCD.

Describe Area Affected and Cleanup Action Taken.\*

Area under pit liner. Preparing to set in 40 mil liner as directed to begin filling in.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

	OIL CONSER	<b>VATION I</b>	DIVISION
Signature: Calom Donaghay	Approved by Environmental Specia	list: 9hall	Leking
Printed Name: Calvin Donaghey			
Title: President	Approval Date: 6/20/12	Expiration D	ate: 8/20/12
E-mail Address: gsurveys@bitstreet.com	Conditions of Approval: 5 5.	FINGL	Attached
Date: 6-20-2012 Phone: 325-669-2793	C-141 UPON COMPLETION	ofacture	VRP-6-12-2826
Attach Additional Sheets If Necessary	ALTWITIES.		



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 20, 2012	HOBBS OCD	HOBBS OCD	HOBES OCD
STEVE CASTILLE	JUN 2 1 2012	JUN 2 1 2012	- JUN & 1 2012 .
GEO SURVEYS, INC. 218 SOUTH LEGGETT	RECEIVED	1 de la	
ABILENE, TX 79605		RECEIVED	RECEIVED

#### RE: MESA 26 STATE #1 PIT CLOSURE

Enclosed are the results of analyses for samples received by the laboratory on 06/19/12 14:55.

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.qov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/19/2012	Sampling Date:	06/19/2012
Reported:	06/20/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: E-1 (H201393-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	
Surrogate: 1-Chlorooctane	81.0	% 65.2-14	0		-				
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

#### Sample ID: W-1 (H201393-02)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	
Surrogate: 1-Chlorooctane	96.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Lability 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 walved unless made in writing and received by Cardinal within thin'ty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental 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 claims is based unon any of the above stated reasons or otherwise. Results relate only to the sample services that income the samp claims claims is a subsidiaried and thin when the sample services and provide claims in this with with any sets and proves atted reasons or otherwise. Results relate only to the sample services that reasons any or the above stated reasons or otherwise. Results relate only to the sample services that not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/19/2012	Sampling Date:	06/19/2012
Reported:	06/20/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: C-1 (H201393-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	
Surrogate: 1-Chlorooctane	94.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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. Keine

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 SM4500CI-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 walved 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 damages, including, without limitation, business interruptions, loss of uses, 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 resons or otherwise. Results relate only to the samples defined above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: GEO SURVEYS		BILL TO	8) -	ANALYSIS	REQUEST
Project Manager: STEVE CASTILLE		P.O. #:			
Address: 218 SOUTH LEGGETT		Company: GEO SURVEYS			
City: JAILENE State: 74	Zip: 79605	Attn:			
Sity:   -1/3/L GN E   State:   7/4     Phone #:   3 2 5 - 676 - 8063   Fax #:   3 2 5	676:9426	Address: 218 STH LEGGET	4		
Project #: Project Owne		City: ABILGNE			
Project Name: MESA 26 STATE #1	PITCLOSURE	State: 7X Zip: 79605			
Project Location:		Phone #: 325-676-8063			
Sampler Name: STEVE CASTILLE		Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING			
Lab I.D. Sample I.D. 4201343 1 = 1 = -1 2 = 1 = -1 3 = -1 = -1 3 = -1 = -1	CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL		Hat 1		
EASE NOTE: Liability and Damages. Cardinal's lability and client's erclassive remedy for   ratyses. All claims including these for negligence and any other cause whatseever shall be   rotice. In no event shall Cardinal be liable for incidental or consequential damages, including   liables or successors arising out of or related to the performance of services hereunder by   Relinquished By:   Date:   Time:   Delivered By:   (Circle One)	deemed warved unless made in writing a g with uid limitation, business interruption Cardinal, regardless of whethar such clair Received By:	nd received by Cardinal within 30 days after completion of s, loss of use, or loss of profits incurred by client, its subsidi is baned upon any of the above stated reasons or othere Phone Re Fax Resu REMARK	the applicable laries esult: <u>Yes</u> No alt: <u>Yes</u> No	o Add'l Fax #:	mail

Page 5 of 5

							ŀ	OBBS Oc					
District II	h Dr., Hobbs, N			Sta Energy Min		New Mex	ico AUG I Resources	I 0 2012 Submit I Conv	Form C-141 Revised August 8, 2011				
District III 1000 Rio Braz District IV	, Artesia, NM 8 os Road, Aztec, incis Dr., Santa	NM 87410		1220	South	vation Div St. Franc , NM 875	is Dr.	Submit 1 Copy acc	to appropriate District Office in cordance with 19.15.29 NMAC.				
	. B. Waler		Rele	ase Notific		the support of the local division of the loc		ction					
						OPERAT			Report 🖾 Final Report				
Name of C Address 2 1 Facility Na	18 South	GeoSurve Leggett a 26 Sta	, Abil	ene, TX 79	605			6-8063					
Surface Ov				Mineral O		State	C WEIT DO	API No.	30-041-20924				
Surface Ov	wner Sta	ite				C. Weine	EACE	API IQ.	50 041 20724				
Unit Letter	Section	Township	Range			South Line	Feet from the	East/West Line	County				
L	26	2N	29E	1400	Sou	uth	1100	West	Roosevelt				
				the 2/ 921 (	1.01	Landitud	102° 52	508'W	100 C				
			Lat	titude <u>34°21.9</u>		Carl Carl	Sec. 1	<u>308</u> w					
Type of Rel	ease Dril	ling Flu	id	NAT	URE	OF REL		s est <sub>Volume R</sub>	ecovered				
Source of R	ype of Release Drilling Fluid ource of Release Pit					Date and H	lour of Occurrent		Hour of Discovery6-12-12				
Was Immed	liate Notice Gi		Yes 🗆	No 🗌 Not Rea	mired	If YES, To Whom? 12:50pm ed Mr. Leking							
By Whom?	Steve (	**			quireu	Date and H	-	n 6-12-12					
Was a Wate	ercourse Reach	ied?	Yes 🔽	No				the Watercourse.					
If a Waterco	ourse was Imp	acted, Descri	be Fully.*										
Describe Ca	use of Problem	n and Remed	lial Action	n Taken.*									
Pit Li	ner leak	ed - See	attao	ched sheet.									
Describe Ar	rea Affected an	nd Cleanup A	ction Tak	en.*	-								
Area u	nder lin	er – see	atta	ched sheet.									
regulations public healt should their or the enviro	all operators a h or the enviro operations ha	re required to onment. The ve failed to a dition, NMO	acceptance dequately CD accept	d/or file certain re e of a C-141 report investigate and re	lease no t by the mediate	NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thr	ctive actions for release eport" does not relieve eat to ground water,	ant to NMOCD rules and ases which may endanger eve the operator of liability surface water, human health mpliance with any other				
Signature:	Calin	. 1	mag	hen			OIL CON	SERVATION	DIVISION				
Printed Nan	ne: Calvi	n Donagh	ney	0	1	Approved by	Environmental S	pecialist:					
Title:	Presi	dent				Approval Dat	e:	Expiration D	Date:				
E-mail Add	ress: gsu	rveys@bi		-	(	Conditions of			Attached				
Date: 8-	6-2012		Phone:	325-676-80									

\* Attach Additional Sheets If Necessary

#### FORM C-141

#### Cause of Problem and Remedial Action Taken:

Pit Liner leaked. Dug down 5' and 7' as directed by Mr. Leking and found clean soil at 7' level. Samples passed at Cardinal Labs.

#### Area Affected and Cleanup Action Taken:

Area under liner was affected.

Set in 2' of sand across bottom of pit. Laid in 40 mil liner across pit and up onto sides as directed. Covered liner with 2' of sand across entire liner. Cleaned location of caliche and place into pit up to a level 2.5' below grade. Place 3' of topsoil above caliche to .5' above grade. Spread remaining topsoil across location as directed.

7-24-2012 Parkhill Construction seeded location with 74.67 lbs of seed mix recommended by Eric Nelson of Clovis. A standard tiller was used to seed the area, which covered slightly less than 3 acres.



HOBBS OCD

AUG 1 0 2012

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

RECEIVED

June 15, 2012

. . .

STEVE CASTILLE GEO SURVEYS, INC. 218 SOUTH LEGGETT ABILENE, TX 79605

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceg.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/13/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM				Sec. Sec.	
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)

Chi	loride, SM4500CI-B	mg,	/kg	Analyze	d By: HM			and the second second		
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ch	loride	1840	16.0	06/14/2012	ND	416	104	400	3.77	

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d By: HM			Service and		
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

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

### CARDINAL

e. . . . .

#### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### **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 SM4500CI-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**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: GE	npany Name: GEO SURVEYS INC.			BILL TO			ANALYSIS REQUEST					
Project Manager: 5	TEUE CASTILLE		P.O. #:	1742								
Address: 218 5	SOUTH LEGGLETT		Company: Geo Suis	itys inte.								
City: ABILCING	TX State: TX	Zip: 79605	Attn: CALVIN Don	AGHEY								
Phone #: 325 - 67(	5-8063 Fax #:		Address: 218 57#									
Project #:	Project Owne	r:	City: A die Con TX	-			1.00					
Project Name: M 65.	A 26 STATE 1 PIT (	LOSURG	State: 72 Zip: 79	605	2							
Project Location: me	SA 26 STATTE 1 ROO	SEVELT CTY IN M	Phone #: 325-676	- 8063								
	EUE CASTILLE		Fax#: 325-676		22		-					1
FOR LAB USE ONLY Lab I.D. HZD1337 -1 Bas 2 Bac 3 NE 4 NE 5 Shi 6 Shi	Sample I.D. Kground 1. Kground 2. 2 (5') 2 (7') 5 (5') 5 (7')	XIALTER ACONTAINERS ACONTAINE	PRESERV. SAMPL	TIME 11:45 11:50 11:50 11:50 11:55 11:55 11:57	I C C TRH HI							
navise. All claims including those for a envice. In no even that Cardinal be fait iffilates or successors arising out of or re Relinquished By: Relinquished By:	Cardinal's liability and client's exclusive remedy for redigence and any other cause whatsoever shall be the for incidental or consequential damages, including elated to the performance of varvices horecurds by Date: Time: Time:	deemed waived unless made in writing an a without limitation, business internations,	d received by Cardinal within 30 days after	er completion of the client, its subsidiar asons or otherwise Phone Res Fax Result	e applicable ries, e. suit: t:	les D No	Add'l	Phone # Fax #:		2202	jahu	E CC
Delivered By: (Circl Sampler - UPS - Bus		Sample Condit Cool Intact	s CHECKED BY:	Pt	.15H	11						

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

5%

Cool Intact Ves Ves No No

Page 4 of 4



June 12, 2012

STEVE CASTILLE GEO SURVEYS, INC. 218 SOUTH LEGGETT ABILENE, TX 79605

RE: MESA 26 STATE #1 PIT CLOSURE

Enclosed are the results of analyses for samples received by the laboratory on 06/07/12 15:00.

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/ga/lab accred certif.html.

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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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

06/07/2012	Sampling Date:	06/07/2012
06/12/2012	Sampling Type:	Soil
MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
NONE GIVEN	Sample Received By:	Jodi Henson
MESA 26 STATE #1		
	06/12/2012 MESA 26 STATE #1 PIT CLOSURE NONE GIVEN	06/12/2012Sampling Type:MESA 26 STATE #1 PIT CLOSURESampling Condition:NONE GIVENSample Received By:

#### Sample ID: SE 1 (H201288-01)

BTEX 8021B	mg/	'kg	Analyze	d By: ZZZ	<u> </u>			1.1.1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.74	87.1	2.00	3.84	
Toluene*	<0.050	0.050	06/11/2012	ND	1.75	87.3	2.00	3.65	
Ethylbenzene*	<0.050	0.050	06/11/2012	ND	1.75	87.7	2.00	5.10	
Total Xylenes*	<0.150	0.150	06/11/2012	ND	5.29	88.2	6.00	4.57	
Surrogate: 4-Bromofluorobenzene (PID	101	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	06/08/2012	ND	400	100	400	0.00	
TPH 418.1	mg,	/kg	Analyze	d By: AM					1 Carl
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	118	100	06/11/2012	ND	2620	105	2500	7.34	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	06/08/2012	ND	179	89.5	200	2.34	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	91.8	200	9.04	
Surrogate: 1-Chlorooctane	96.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111	63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/07/2012	Sampling Date:	06/07/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: NE 2 (H201288-02)

BTEX 8021B	mg	kg	Analyze	d By: ZZZ				Lesing's	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.74	87.1	2.00	3.84	
Toluene*	<0.050	0.050	06/11/2012	ND	1.75	87.3	2.00	3.65	
Ethylbenzene*	<0.050	0.050	06/11/2012	ND	1.75	87.7	2.00	5.10	
Total Xylenes*	<0.150	0.150	06/11/2012	ND	5.29	88.2	6.00	4.57	
Surrogate: 4-Bromofluorobenzene (PIL	101	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	11600	16.0	06/08/2012	ND	400	100	400	0.00	
TPH 418.1	mg,	/kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
TPH 418.1	115	100	06/11/2012	ND	2620	105	2500	7.34	
TPH 8015M	mg,	/kg	Analyze	d By: MS				2	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	06/08/2012	ND	179	89.5	200	2.34	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	91.8	200	9.04	
Surrogate: 1-Chlorooctane	<u>93.9</u>	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Dam Cardinal's liability and client's exclu nt paid by client for analy All claims, including those for neg e and In no event ver shall be de by Ca irty (30) days shall Ca any other can unless made in writing and rec ptions, loss of use, or loss of profits incurred by client, its subsidi including, without limitation, business interru claim is based upon any of the above stated reason rs arising out of or related to the performa ies, affilia tes or succ nce of the serv by

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/07/2012	Sampling Date:	06/07/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: C 3 (H201288-03)

BTEX 8021B	mg	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.74	87.1	2.00	3.84	
Toluene*	<0.050	0.050	06/11/2012	ND	1.75	87.3	2.00	3.65	
Ethylbenzene*	<0.050	0.050	06/11/2012	ND	1.75	87.7	2.00	5.10	
Total Xylenes*	<0.150	0.150	06/11/2012	ND	5.29	88.2	6.00	4.57	
Surrogate: 4-Bromofluorobenzene (PIL	100	% 89.4-12	6		12.1				
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	06/08/2012	ND	400	100	400	0.00	
TPH 418.1	mg/	/kg	Analyze	d By: AM					Sec. And
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	102	100	06/11/2012	ND	2620	105	2500	7.34	
TPH 8015M	mg/	/kg	Analyze	d By: MS					1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	179	89.5	200	2.34	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	91.8	200	9.04	
Surrogate: 1-Chlorooctane	98.4	% 65.2-14	0		1				
Surrogate: 1-Chlorooctadecane	116 9	63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/07/2012	Sampling Date:	06/07/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: NW 4 (H201288-04)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ				Same C	- West
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.74	87.1	2.00	3.84	
Toluene*	<0.050	0.050	06/11/2012	ND	1.75	87.3	2.00	3.65	
Ethylbenzene*	<0.050	0.050	06/11/2012	ND	1.75	87.7	2.00	5.10	
Total Xylenes*	<0.150	0.150	06/11/2012	ND	5.29	88.2	6.00	4.57	
Surrogate: 4-Bromofluorobenzene (PIL	100	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: HM	6				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	06/08/2012	ND	400	100	400	0.00	
TPH 418.1	mg,	/kg	Analyze	d By: AM			_		1. A.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	167	100	06/11/2012	ND	2620	105	2500	7.34	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	179	89.5	200	2.34	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	91.8	200	9.04	
Surrogate: 1-Chlorooctane	89.6	% 65.2-14	0	1.5					
Surrogate: 1-Chlorooctadecane	105	63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/07/2012	Sampling Date:	06/07/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: SW 5 (H201288-05)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ				1.1.1	No.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.74	87.1	2.00	3.84	
Toluene*	< 0.050	0.050	06/11/2012	ND	1.75	87.3	2.00	3.65	
Ethylbenzene*	<0.050	0.050	06/11/2012	ND	1.75	87.7	2.00	5.10	
Total Xylenes*	<0.150	0.150	06/11/2012	ND	5.29	88.2	6.00	4.57	
Surrogate: 4-Bromofluorobenzene (PIL	99.0	% 89.4-12	6	1					
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	06/08/2012	ND	400	100	400	0.00	
TPH 418.1	mg/kg		Analyzed By: AM						1. 12.14
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	194	100	06/11/2012	ND	2620	105	2500	7.34	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	179	89.5	200	2.34	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	91.8	200	9.04	
Surrogate: 1-Chlorooctane	88.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103	% 63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### **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 SM4500CI-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

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#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476 Company Name: GED SURVEYS , INC. Project Manager:			BILL TO		ANALYSIS REQUES	ſ
			P.O. #:			
Address: 21	18 SONTH LEGGETT		Company: GEO SALUEY	JUL		
		Zip: 79605	Attn: CALVIN DONAL			
Phone #: 32	L CNE   State: 7 K     5-676-8063   Fax #: 325-	676-9426	Address: 218 5. 4636			
Project #:	Project Owne		City: ABRENE			
Project Name:	MESA 26 STATE AL P	IT CLOSURE	State: 7× Zip: 7900	5		
Project Locatio	m: Incan 26 STATE # 1		Phone #: 325- 676 - 80			
Sampler Name:	STEVE CASTILLE		Fax #: 325 676 - 94	24 1-12		
Lab I.D. H20/298 1 2 3 4 5	Sample I.D. SE <u>1</u> NE 2. C. <u>3</u> NW <u>4</u> SW <u>5</u>	C(G)RAB OR (C)OMP C(G)RAB OR (C		INE NTT 2	G	
nalyses. All claims includi ervice. In no event shall C	Ind Damages, Cardinal's lability and client's exclusive remoty for ing those for negligence and any other cause whatsoever shall be rardinal be liable for incidental or consequential damages, include	deemed waived unless made in writing without limitation, business interuption	and received by Cardinal within 30 days after com s, loss of use, or loss of profits incurred by client,	pletion of the applicable its subsidiaries.		
Relinquished B	y: Date: Time:	Received By:	enson, n	none Result: 9 Yes x Result: 9 Yes MARKS: NECLICINEK 325 - 66	1000 Add'l Phone #: 1000 Add'l Fax #: 1000 2.2 yahoo 58 - 2638	.cem
	: (Circle One) - Bus - Other:	Sample Cond Cool Intac Ves V	lition CHECKED BY:	steve.		

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. 11 _	/	11



June 20, 2012

STEVE CASTILLE GEO SURVEYS, INC. 218 SOUTH LEGGETT ABILENE, TX 79605

RE: MESA 26 STATE #1 PIT CLOSURE

Enclosed are the results of analyses for samples received by the laboratory on 06/19/12 14:55.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/19/2012	Sampling Date:	06/19/2012
Reported:	06/20/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: E-1 (H201393-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	1				LA THE
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M	mg	/kg	Analyze	d By: MS				-	Sec. 10
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	
Surrogate: 1-Chlorooctane	81.0	% 65.2-14	0	194					
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

#### Sample ID: W-1 (H201393-02)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					1.000
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M	mg/	kg	Analyze	d By: MS	1.1.1			1	Sec. Parts
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	
Surrogate: 1-Chlorooctane	96.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/19/2012	Sampling Date:	06/19/2012
Reported:	06/20/2012	Sampling Type:	Soil
Project Name:	MESA 26 STATE #1 PIT CLOSURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MESA 26 STATE #1		

#### Sample ID: C-1 (H201393-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	1.11				Ser Markey
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M	mg	/kg	Analyze	d By: MS			1.00		William .
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	
Surrogate: 1-Chlorooctane	94.0	% 65.2-14	0	1998	-				

Surrogate: 1-Chlorooctadecane

63.6-154

109 %

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



-

#### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### **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 SM4500CI-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

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5

Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 660 Sur	: GEO SURVEYS	BILL TO	ANALYSIS REQUEST	
Project Manager: STOVE C	STOVE CAS TILLE	P.O. #:		
Address: 218 South	LEGGET	Company: GEO SURVEYS		
City: 1216 End	State: 7× Zip: 79605	Attn:		
Phone #: 325-676-8063	3 Fax#: 325-676: 9426	Address: 21 & STH LEGERTS		
Project #:	Project Owner:	City: Abilent		
Project Name: MESA 26	STREE #1 PIT CLOSURC	State: 7X Zip: 79685		
Project Location:		Phone #: 325-676-8063		
Sampler Name: 57606 CM	CASTILLE	Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact	CHECKED BY:	325-10108-2638 VEV BOULS	
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† Cardinal cannot accept ver	1 Cardinal cannot accept verbal changes. Please fax written changes to (575) 393	(575) 39322326		Page 5
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Page 5 of 5

From: Sent: To: Subject: Steve Castille <medicinebow2@yahoo.com> Tuesday, August 07, 2012 10:51 AM calvin Fw: MESA 26 STATE #1 6-7-12



----- Forwarded Message -----From: Steve Castille <<u>medicinebow2@yahoo.com</u>> To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: <u>medicinebow2@yahoo.com</u> Sent: Friday, June 8, 2012 9:17 AM Subject: MESA 26 STATE #1 6-7-12

MESA 26 STATE #1 6-7-12

GANDY OPERATOR ON LOCATION @ 8:30.PULLED UP WELL ANCHORS AND DID TOUCHUP WORK ON PAD. ENVIRO SPECIALIST GEOFFREY LEKING ON LOCATION @ 10AM. ADVISED TO TAKE 5 SOIL SAMPLES FROM PIT FLOOR IN 5 POINT PATTERN. MR LEKING WITNESSED AND PHOTOGRAPHED THE SAMPLING PROCESS. SAMPLES GATHERED LABLED AND PACKED IN ICE BY GEO SURVEYS REP STEVE CASTILLE. FILLED OUT THE CHAIN OF CUSTODY FORM AND DELIVERED THE SAMPLES TO CARDINAL LAB IN HOBBS NM. THE SAMPLES WILL BE TESTED FOR BTEX, CL AND FOR TPH USING METHODS 418.1 AND 8015 FOR GRO AND DRO. RESULTS WILL BE E MAILED ON MONDAY OR TUESDAY. CALLED GANDY FOR SCHEDULING. ADVISED THAT THEIR OPERATOR WILL NOT BE AVAILABLE FOR WORK MONDAY SO WE ARE TENTATIVE FOR TUESDAY AT THIS TIME DEPENDANT ON LAB RESULTS.

From: Sent: To: Subject: Steve Castille <medicinebow2@yahoo.com> Tuesday, August 07, 2012 10:54 AM calvin Fw: MESA 26 STATE #1 6-12-12

----- Forwarded Message -----From: Steve Castille <<u>medicinebow2@yahoo.com</u>> To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: <u>medicinebow2@yahoo.com</u> Sent: Thursday, June 14, 2012 8:26 AM Subject: MESA 26 STATE #1 6-12-12

MESA 26 STATE #1 6-12-12

RECIEVED RESULTS FROM CARDINAL LABS. SAMPLES FAILED ON HIGH CHOLORIDES. CALLED CALVIN TO DISCUSS RESULTS AND PLANS. CALLED GEOFF LEKING TO DISCUSS PROCEDURE. ADVISED TO DIG TEST TRENCHES IN PIT FLOOR AND TAKE NEXT SAMPLES @ 5' BELOW FLOOR LEVEL. AFTER DISCUSSION WITH CALVIN DONAGHEY WE WILL ALSO TAKE BACKROUND SAMPLE. EMAILED RESULTS TO GEOSURVEYS, GEOFFREY LEKING AND SCOTT DAWSON. ADVISED BY LEKING THAT WE WILL HAVE 15 DAYS TO SUBMIT OCD FORM 141. CALLED GANDY PUSHER TO SEE IF HE COULD SEND A TEST KIT WITH HIS OPERATOR TO SAVE SOME TIME AND MILES. WILL RESUME FIELD OPERATIONS IN AM.

From: Sent: To: Subject: Steve Castille <medicinebow2@yahoo.com> Tuesday, August 07, 2012 10:56 AM calvin Fw: MESA 26 STATE #1 6-13-12

----- Forwarded Message -----From: Steve Castille <<u>medicinebow2@yahoo.com</u>> To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: <u>medicinebow2@yahoo.com</u> Sent: Thursday, June 14, 2012 8:43 AM Subject: MESA 26 STATE #1 6-13-12

MESA 26 STATE #1 6-13-12

GANDY OPERATOR ON LOCATION 10 AM. DUG TRENCH EAST OF PAD. TOOK SIDWALL SAMPLES FROM 9' FS AND 11' FS. COVERED TRENCH. DUG TRENCH IN NE QUADRANT OF PIT. TOOK SAMPLES FROM 5' AND 7' BELOW FLOOR LEVEL. BUILT BERM AROUND TRENCH IN CASE OF RAIN. DUG ANOTHER TEST TRENCH IN SW QUADRANT. TOOK SAMPLES FROM 5' AND 7' BELOW FLOOR LEVEL. FILLED OUT CHAIN OF CUSTODY FORM TOOK PICTURES AND PACKED SAMPLES IN ICE. ADVISED GANDY OPERATOR TO START ROLLING UP CALICHE PAD. DELIVERED SAMPLES TO CARDINAL LABS IN HOBBS. WILL HAVE RESULTS SOME TIME TOMORROW. NOTE THIS TEST WILL BE FOR CHLORIDES ONLY.

From: Sent: To: Subject: Steve Castille <medicinebow2@yahoo.com> Tuesday, August 07, 2012 10:57 AM calvin Fw: MESA 26 STATE 1 6-14-12

----- Forwarded Message -----From: Steve Castille <<u>medicinebow2@yahoo.com</u>> To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: <u>medicinebow2@yahoo.com</u> Sent: Friday, June 15, 2012 8:35 AM Subject: MESA 26 STATE 1 6-14-12

MESA 26 STATE 1 6-14-12

CHECKED WITH LAB IN HOBBS ABOUT SAMPLE RESULTS. THEY WILL UPDATE US WHEN THEY HAVE THEM READY. MET GANDY PUSHER KYLE BECKNELL IN LOVINGTON. DISCUSSED SCHEDULE WITH HIM. OPERATOR ON STANDBY AT THIS TIME. TRAVEL BACK TO CLOVIS TO AWAIT LAB REPORT. RECIEVED RESULTS. CHLORIDES OK ON BACKGROUND AND SW SIDE. NE 2 (5') @1840PPM. ADVISED LAB TO RUN SAMPLE ON NE 2 (7'). THEY WILL HAVE RESULTS IN AM. CALLED CALVIN TO DISCUSS RESULTS.

From: Sent: To: Subject: Steve Castille <medicinebow2@yahoo.com> Tuesday, August 07, 2012 10:58 AM calvin Fw: MESA 26 STATE 1 6-15-12

----- Forwarded Message -----From: Steve Castille <<u>medicinebow2@yahoo.com</u>> To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: <u>medicinebow2@yahoo.com</u> Sent: Monday, June 18, 2012 8:57 AM Subject: MESA 26 STATE 1 6-15-12

MESA 26 STATE 1 6-15-12

ROAD TO LOCATION. STANDBY TO AWAIT RESULTS FROM LAB AND TO TAKE ADDITIONAL SAMPLES IF NEEDED. RESULTS CAME IN OK. SHUT DOWN. CALL GEOFF LEKING TO DISCUSS PROCEDURE. LEFT MESSAGE. EMAIL RESULTS TO OCD AND GEOSURVEYS.

From: Sent: To: Subject: Steve Castille <medicinebow2@yahoo.com> Tuesday, August 07, 2012 11:00 AM calvin Fw: MESA 26 STATE 1 6-18-12

----- Forwarded Message -----From: Steve Castille <<u>medicinebow2@yahoo.com</u>> To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: <u>medicinebow2@yahoo.com</u> Sent: Wednesday, June 20, 2012 8:53 AM Subject: MESA 26 STATE 1 6-18-12

MESA 26 STATE 1 6-18-12

SPOKE WITH GEOFF LEKING ABOUT TEST RESULTS ON SOIL SAMPLES. ADVISED TO INSTALL 40 MIL LINER IN PIT AND START BACKFILL. MUST TEST SAMPLES FROM CALICHE PAD FOR TPH AND CHLORIDES.MET CALVIN AND TONY AT GEO SURVEYS OFFICE TO DISCUSS JOB PLAN. CALLED GANDY AND AKOME TO LINE UP JOB FOR AM.CALVIN STARTED PROCESSING FORM C141.

From: Sent: To: Subject: medicinebow2@yahoo.com Tuesday, August 07, 2012 4:57 PM Calvin Donaghey Fwd: EXPLAINATION OF SAMPLE ANALYSIS MESA 26 STATE FORM C-144

Sent from my iPhone

Begin forwarded message:

From: Steve Castille <<u>medicinebow2@yahoo.com</u>> Date: August 7, 2012 11:34:53 AM CDT To: calvin <<u>gsurveys@bitstreet.com</u>> Cc: "<u>medicinebow2@yahoo.com</u>" <<u>medicinebow2@yahoo.com</u>> Subject: EXPLAINATION OF SAMPLE ANALYSIS MESA 26 STATE FORM C-144 Reply-To: Steve Castille <<u>medicinebow2@yahoo.com</u>>

WE ARE ENCLOSING LAB RESULTS AND A DAILY REPORT ON THE SAMPLING PROCESS SO YOU WILL HAVE THE INFORMATION ON HOW AND WHERE THE SAMPLES WERE TAKEN. ON 6-18-12 THE PROCESS WAS COMPLETE AND WE WERE ADVISED BY ENVIRONMENTAL SPECIALIST GEOFF LEKING TO INSTALL A 40 MIL LINER AND START THE BACKFILL PROCESS.











