

January 11, 2013

Mr. Ronnie Snow
Cimarex Energy Company

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921 North Bivins
Amarillo, Texas 79107
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Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
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Subject: **Soil Assessment and Remediation Work Plan**
Cimarex Energy Company of Colorado
Texas 32 Fee No. 1
30-015-39110

Dear Mr. Snow,

Cimarex Energy Company of Colorado has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Texas 32 Fee No. 1. The results of our soil assessment and proposed remediation activities consist of the following:

Incident Date

Unknown

Background Information

The Texas 32 Fee No. 1 is located approximately ten (10) miles southwest of Artesia, New Mexico. The legal location for the site is Section 32, Township 18 South and Range 26 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.710806 North and -104.409682 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Reagan loam with 1 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvial fans and eolian deposits which include alluvium and loamy soils underlain by hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S32-T18S-R26E. The ground water in the area is reported to be 90' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 10 based on the as following:

ENVIRONMENTAL CONSULTING	Depth to ground water	50' - 100'
ENGINEERING	Wellhead Protection Area	>1000'
DRILLING	Distance to surface water body	>1000'
CONSTRUCTION		
SPILL MANAGEMENT		
GENERAL CONTRACTING		

Toll Free: 866.742.0742
www.talonlpe.com

Actions Taken

On November 15, 2012 Talon/LPE mobilized personnel to the site to carry out soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger. Grab samples were collected to a depth of 5-feet below land surface. A site map is attached.

On December 14, 2012 Talon personnel returned to the site to collect additional soil samples utilizing a backhoe for further vertical delineation. Grab soil samples were collected from a depth of 6-feet to 14-feet deep.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for total chlorides via Method SM 4500Cl-B. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

Date of Report: November 16, 2012

<u>Sample</u>	<u>Depth</u>	<u>Chlorides mg/kg</u>
S-1	0'	56,000
	1'	12,100
	2'	11,700
	3'	12,900
	4'	11,600
	5'	9,730

Date of Report: December 22, 2012

<u>Sample</u>	<u>Depth</u>	<u>Chlorides mg/kg</u>
S-1	6'	6,560
	8'	2,760
	10'	1,580
	12'	768
	14'	208

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 100 mg/kg. Chloride cleanup levels are considered to be 1,000 mg/kg or as agreed upon.

Summary

- The depth to groundwater in the project vicinity is 90-feet below land surface per the New Mexico State Engineer Database.
- Based upon the results of the laboratory data obtained for this investigation, the vertical impacts of chlorides have been documented to extend 10-11 feet below ground surface.

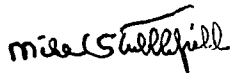
Proposed Remedial Actions

- The chloride impacted area will be excavated to a depth of 10-feet deep. The excavated soil will be transported to a NMOCD approved solid waste disposal facility.
- Confirmation samples will be collected from the sidewalls and bottom of the excavation and presented to the OCD for permission to complete excavation activities.
- Upon approval of the confirmation samples, the excavated area will be backfilled to land surface using new material transported from a local borrow pit.
- The area will be contoured to match the surrounding terrain and seeded with the landowner's seed preference.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

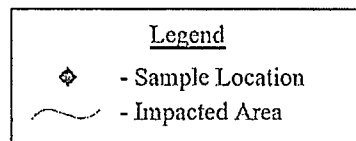
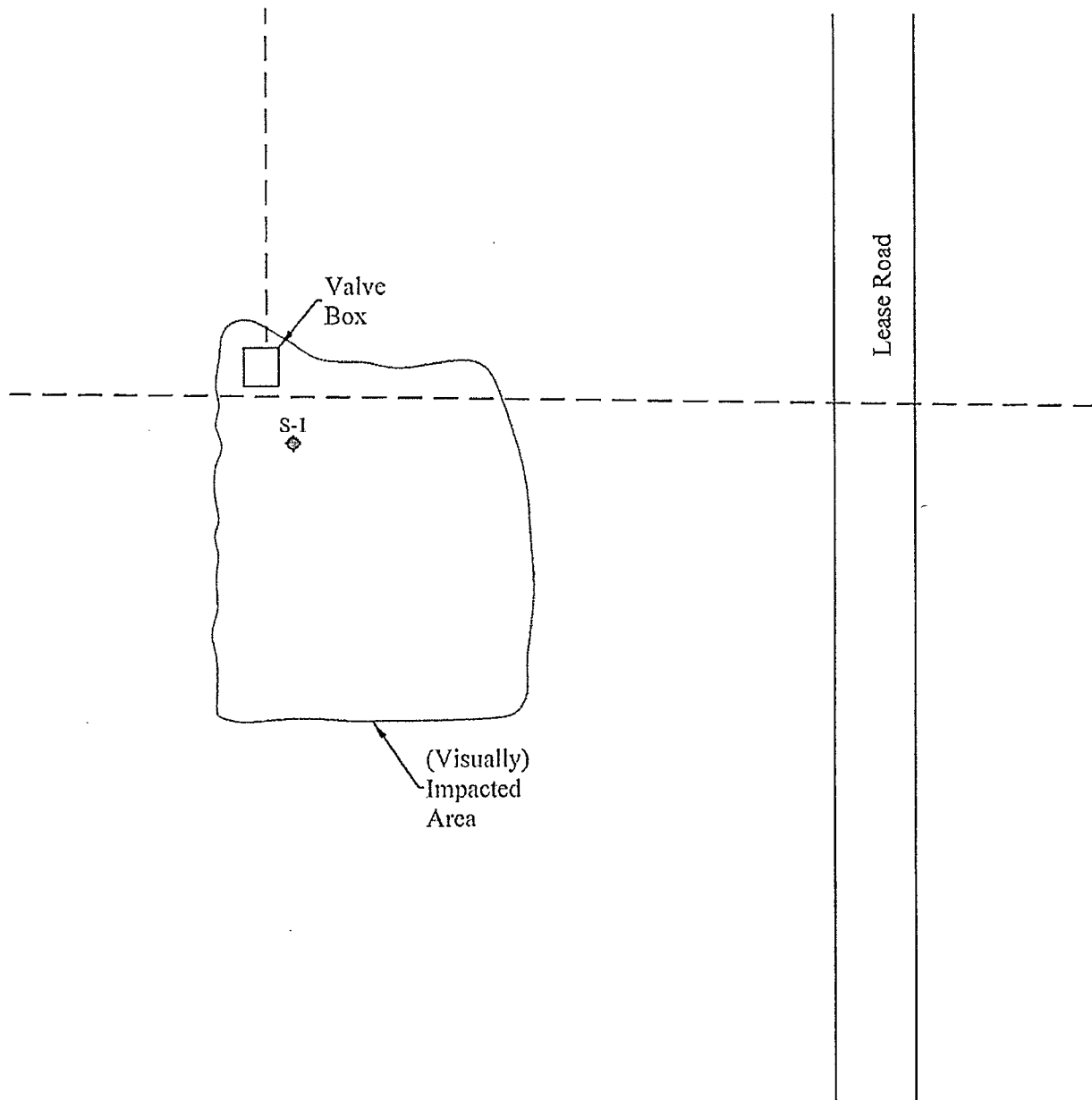


Mike Stubblefield
Project Manager



David J. Adkins
District Manager

SITE MAP



Date: 01/10/2013
 Scale: 1" = 50'
 Drawn By: TJS

Texas 32 State #1
 Cimarex Energy
 Eddy County, New Mexico
 Figure 1 - Site Plan

APPENDIX I
GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Subbasin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 04136			ED	1	1	32	18S	26E		555246	3619273*	141	152	90	62
RA 08999			ED	4	2	1	31	18S	26E	554138	3619158*	1029	222	80	142
RA 04784			ED			30	18S	26E		554252	3620259*	1258	205	190	15
RA 04160			ED	1	4	1	29	18S	26E	555542	3620580*	1271	160	100	60
RA 08812 REPAR			ED	4	4	29	18S	26E		556451	3619679*	1341	350	150	200
RA 09286			ED	2	4	4	29	18S	26E	556550	3619778*	1462	300		
RA 01474 REPAR			ED	1	1	1	33	18S	26E	556754	3619377*	1609	200		
RA 01474 SUP			ED	1	1	1	33	18S	26E	556754	3619377*	1609	210		
RA 01474 CLW			ED	2	3	1	33	18S	26E	556956	3618975*	1854	225		
RA 11633 POD1			ED	2	1	2	05	19S	26E	556059	3617756	1855	180	130	50
RA 01474			ED	4	3	1	33	18S	26E	556956	3618775*	1906	300		
RA 11733 POD1			ED	2	1	2	05	19S	26E	556153	3617740	1918	210	143	67
RA 07260			ED		1	2	05	19S	26E	556060	3617672*	1930	198	100	98
RA 08098			ED	3	1	2	05	19S	26E	555959	3617571*	1976	215	100	115
RA 08315			ED	3	1	2	05	19S	26E	555959	3617571*	1976	195	100	95
RA 08875			ED	1	2	2	05	19S	26E	556362	3617773*	2009	220	150	70
RA 04283			LE	1	4	3	20	18S	26E	555538	3621384*	2050	158	125	33
RA 08097			ED	3	2	2	05	19S	26E	556362	3617573*	2171	210	120	90
RA 07066			ED	3	4	1	05	19S	26E	555561	3617166*	2244	202	100	102
RA 06431			ED	1	1	1	04	19S	26E	556765	3617775*	2274	200		
RA 07066 POD2			ED	4	4	1	05	19S	26E	555761	3617166*	2290	150		
RA 07165			ED		3	2	05	19S	26E	556065	3617269*	2295	193	110	83
RA 07508			ED		3	2	05	19S	26E	556065	3617269*	2295	185	150	35
RA 10133			ED		3	2	05	19S	26E	556065	3617269*	2295	177	138	39
RA 11036 POD1			ED	2	4	2	05	19S	26E	556567	3617370*	2455	210	110	100
RA 07053			ED		4	2	05	19S	26E	556468	3617271*	2482	135	90	45
RA 07142			ED		4	2	05	19S	26E	556468	3617271*	2482	217	98	119

*UTM location was derived from PLSS - see Help

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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Subbasin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 07448			ED	4	2	05	19S	26E		556468	3617271*	2482	207	105	102
RA 09276			ED	4	2	05	19S	26E		556468	3617271*	2482	265	100	165
RA 10318			ED	4	2	05	19S	26E		556468	3617271*	2482	240	100	140
RA 06029			ED	3	3	21	18S	26E		556844	3621290*	2562	183	140	43
RA 02786			CH	1	2	1	28	18S	26E	557148	3620987*	2572	250	60	190
RA 08557			ED	2	1	4	05	19S	26E	556169	3616964*	2616	232	100	132
RA 07954			ED	3	2	3	05	19S	26E	555566	3616763*	2642	290	175	115
RA 06986			ED	1	4	05	19S	26E		556070	3616865*	2672	195	165	30
RA 07172			ED	1	4	05	19S	26E		556070	3616865*	2672	210	95	115
RA 08976			ED	2	3	3	21	18S	26E	556943	3621389*	2702	225	120	105
RA 04046			ED	4	28	18S	26E			557859	3619879*	2760	125		
RA 07239			ED	2	4	05	19S	26E		556472	3616866*	2835	191	100	91
RA 03618			ED	3	2	20	18S	26E		556037	3622093*	2863	1838		
RA 01884			ED	1	1	3	21	18S	26E	556741	3621792*	2898	127		
RA 01230 CLW	O		ED	1	1	3	04	19S	26E	556774	3616966*	2905	705		
RA 03168			ED	1	1	3	04	19S	26E	556774	3616966*	2905	150	70	80
RA 05425			ED	4	4	28	18S	26E		558060	3619677*	2930	160	90	70
RA 07124			CH	4	2	4	05	19S	26E	556571	3616765*	2971	133	94	39
RA 05620			ED	3	2	4	24	18S	25E	553142	3621575*	2977	204	158	46
RA 11480 POD1			ED	2	1	3	21	18S	26E	556958	3621808	3036	199	175	24
RA 08567			ED	1	4	4	05	19S	26E	556376	3616561*	3068	264	80	184
RA 01230 #2	O		ED	3	1	3	04	19S	26E	556774	3616766*	3073			
RA 01230 REPAR	O		ED	3	1	3	04	19S	26E	556774	3616766*	3073	800		
RA 04272			ED	2	4	4	05	19S	26E	556576	3616561*	3154	102	58	44
RA 06588			ED	4	3	4	05	19S	26E	556173	3616360*	3182	200		
RA 06129			ED	4	4	05	19S	26E		556477	3616462*	3200	125	190	-65
RA 03975			ED	3	1	3	36	18S	25E	551942	3618353*	3361	430	270	160
RA 01703			ED	3	1	3	34	18S	26E	558367	3618370*	3374	735		
RA 01703 CLW			ED	3	1	3	34	18S	26E	558367	3618370*	3374	871		
RA 01703 REPAR 2			ED	3	1	3	34	18S	26E	558367	3618370*	3374	754	70	684
RA 01858			ED	3	1	3	34	18S	26E	558367	3618370*	3374	735		

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C=the file is
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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

Water Right Inventory														
POD			Q Q Q								Depth Depth Water			
POD Number	Code	Subbasin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Well	Water Column
RA 06102			ED				21	18S	26E	557447	3621893*	3413	202	136 66
RA 09763			ED	4	1	4	21	18S	26E	557748	3621592*	3421	240	140 100
RA 06828			CH			4	21	18S	26E	557851	3621491*	3436	130	105 25
RA 01703 REPAR			ED			1	3	34	18S	26E	558468	3618471*	3442	735
RA 02804 POD2			ED	3	1	3	34	18S	26E	558425	3618324	3443	200	168 32
RA 11890 POD1			ED	2	2	2	28	18S	26E	558204	3620987	3459	150	
RA 04309			ED			1	21	18S	26E	557041	3622297*	3485	180	
RA 07394			ED	3	3	3	34	18S	26E	558369	3617968*	3516	166	100 66
RA 05344			ED			4	4	26	18S	25E	551637	3619659*	3519	455 200 255
RA 06995			ED			1	4	04	19S	26E	557679	3616869*	3561	150 100 50
RA 07526			ED			4	2	04	19S	26E	558076	3617273*	3605	140 95 45
RA 07408			ED	2	4	4	21	18S	26E	558152	3621389*	3620	155	85 70
RA 04287			ED	1	2	4	21	18S	26E	557951	3621792*	3705	170	140 30
RA 11506 POD1			ED	1	3	3	22	18S	26E	558290	3621345	3713	160	78 82
RA 07654			ED			2	4	21	18S	26E	558052	3621693*	3719	180 170 10
RA 06813			CH			1	1	09	19S	26E	556883	3616056*	3743	171 97 74
RA 07562			ED	4	4	2	04	19S	26E	558175	3617172*	3744	161	125 36
RA 07639			ED			3	1	01	19S	25E	552049	3617250*	3753	260 172 88
RA 04701			ED			3	3	22	18S	26E	558456	3621290*	3826	80 55 25
RA 07324			ED			2	4	04	19S	26E	558080	3616870*	3856	150 105 45
RA 03181			ED	4	2	3	17	18S	26E	555726	3623199*	3870	200	
RA 01469 2			ED	2	3	3	18	18S	26E	553733	3622993*	3886	300	150 150
RA 01469 REPAR			ED	2	3	3	18	18S	26E	553733	3622993*	3886	230	160 70
RA 01469 SUP			ED	2	3	3	18	18S	26E	553733	3622993*	3886	225	90 135
RA 01508 CLW			ED	2	3	3	18	18S	26E	553733	3622993*	3886	300	
RA 03771			ED	3	1	3	22	18S	26E	558354	3621592*	3902	110	75 35
RA 03055			ED	1	2	1	27	18S	26E	558757	3620986*	3956	146	85 61
RA 03181 COMB	O		ED			2	3	17	18S	26E	555627	3623300*	3957	229 55 174
RA 03983			CH			4	3	01	19S	25E	552457	3616444*	3974	375 100 275
RA 01508			ED	3	2	3	18	18S	26E	553918	3623197*	4016	235	
RA 04003			ED	3	3	4	27	18S	26E	559161	3619578*	4021	100	

*UTM location was derived from PLSS - see Help

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been replaced,
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C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD		Q Q Q									Depth	Depth	Water		
POD Number	Code	Subbasin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Well	Water	Column
RA 09437			ED	3	3	4	27	18S	26E	559161	3619578*	4021	120	60	60
RA 03181 REPAR-3	O		ED	1	1	4	17	18S	26E	555929	3623401*	4104	309	100	209
RA 03181 SUP	O		ED	1	1	4	17	18S	26E	555929	3623401*	4104	290	60	230
RA 03181 SUP REPAR	O		ED	1	1	4	18	18S	26E	554320	3623397*	4108	315	115	200
RA 04004			ED	3	2	2	21	18S	26E	557948	3622399*	4125	140		
RA 09466			ED	3	3	1	22	18S	26E	558353	3621996*	4144	160	70	90
RA 04128			ED			2	02	19S	25E	551443	3617449*	4171	211	100	111
RA 03340			ED		3	1	22	18S	26E	558454	3622097*	4286	100	60	40
RA 03580			ED		3	1	22	18S	26E	558454	3622097*	4286	1700		
RA 05241			ED		3	4	16	18S	26E	557644	3622903*	4325	200	100	100
RA 03181 CLW-3	O		ED		3	2	18	18S	26E	554417	3623702*	4390	334	134	200
RA 03181 CLW	O		ED			1	17	18S	26E	555422	3623902*	4538	250	92	158
RA 10490			ED		4	2	27	18S	26E	559659	3620486*	4649	200	75	125
RA 03599			ED	2	1	1	22	18S	26E	558552	3622599*	4692	1765		
RA 03564			ED		1	1	10	19S	26E	558491	3616060*	4707	200	70	130
RA 01215 CLW			ED	2	1	1	10	19S	26E	558590	3616159*	4710	880	50	830
RA 01215 CLWPU			ED	2	1	1	10	19S	26E	558590	3616159*	4710	1000		
RA 03118			ED	2	1	1	10	19S	26E	558590	3616159*	4710	195		
RA 03181 CLW-2	O		ED		2	2	18	18S	26E	554816	3624106*	4745	258	115	143
RA 01296 S3			ED	1	3	3	15	18S	26E	558351	3623003*	4843	230	70	160
RA 01296 S5			ED	1	3	3	15	18S	26E	558351	3623003*	4843	223	35	188
RA 01446 CLW			ED	1	3	3	15	18S	26E	558351	3623003*	4843	165	42	123
RA 02800			ED	1	3	3	15	18S	26E	558351	3623003*	4843	102	30	72
RA 03966			ED	2	1	2	18	18S	26E	554513	3624205*	4874	50	18	32
RA 03598			ED	1	3	2	22	18S	26E	559154	3622198*	4904	1815		
RA 09709			ED		2	2	17	18S	26E	556428	3624113*	4911	235	110	125
RA 01881			ED		3	3	26	18S	26E	560060	3619681*	4924	2450		

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Average Depth to Water: 108 feet

Minimum Depth: 18 feet

Maximum Depth: 270 feet

Record Count: 116

UTMNAD83 Radius Search (in meters):

Easting (X): 555145

Northing (Y): 3619372

Radius: 5000

APPENDIX II
LABORATORY RESULTS



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

November 16, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TEXAS 32 STATE NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 11/15/12 15:35.

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.

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

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	11/15/2012	Sampling Date:	11/15/2012
Reported:	11/16/2012	Sampling Type:	Soil
Project Name:	TEXAS 32 STATE NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.029.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 32 - T18S - R26E		

Sample ID: S - 1 0' (H202776-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	56000	16.0	11/16/2012	ND	432	108	400	3.77	

Sample ID: S - 1 1' (H202776-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12100	16.0	11/16/2012	ND	432	108	400	3.77	

Sample ID: S - 1 2' (H202776-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11700	16.0	11/16/2012	ND	432	108	400	3.77	

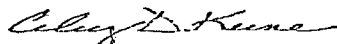
Sample ID: S - 1 3' (H202776-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12900	16.0	11/16/2012	ND	432	108	400	3.77	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 11/15/2012
 Reported: 11/16/2012
 Project Name: TEXAS 32 STATE NO. 1
 Project Number: 701162.029.01
 Project Location: SEC. 32 - T18S - R26E

 Sampling Date: 11/15/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 1 4' (H202776-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	11/16/2012	ND	432	108	400	3.77	

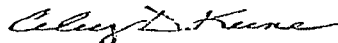
Sample ID: S - 1 5' (H202776-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	11/16/2012	ND	432	108	400	3.77	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

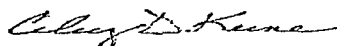
Notes and Definitions

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 SM500Cl-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

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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: <u>Talon / LPE</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Nike Stubblefield</u>				P.O. #:																			
Address: <u>408 West Texas Ave.</u>				Company: <u>Talon / LPE</u>																			
City: <u>Artesia</u> State: <u>N.M.</u> Zip: <u>88210</u>				Attn:																			
Phone #: <u>505-441-7254</u> Fax #:				Address:																			
Project #: <u>701662-029-01</u> Project Owner: <u>Cimarron Energy Co.</u>				City:																			
Project Name: <u>Texas 32 State No. 1</u>				State: Zip:																			
Project Location: <u>sec. 32 - T18S - R26E</u>				Phone #:																			
Sampler Name: <u>Nike Stubblefield</u>				Fax #:																			
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING		Total collections											
Lab I.D.	Sample I.D.	(GRAB OR COMPO.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL												
<u>H202776</u>																							
<u>1</u>	<u>S-1 0'</u>	<u>5</u>				<u>/</u>				<u>/</u>			<u>11/15/12</u>	<u>10:45A</u>									
<u>2</u>	<u>S-1 1'</u>	<u>5</u>				<u>/</u>				<u>/</u>			<u>11/15/12</u>	<u>10:48A</u>									
<u>3</u>	<u>S-1 2'</u>	<u>5</u>				<u>/</u>				<u>/</u>			<u>11/15/12</u>	<u>10:51A</u>									
<u>4</u>	<u>S-1 3'</u>	<u>5</u>				<u>/</u>				<u>/</u>			<u>11/15/12</u>	<u>10:54A</u>									
<u>5</u>	<u>S-1 4'</u>	<u>5</u>				<u>/</u>				<u>/</u>			<u>11/15/12</u>	<u>10:58A</u>									
<u>6</u>	<u>S-1 5'</u>	<u>5</u>				<u>/</u>				<u>/</u>			<u>11/15/12</u>	<u>11:00A</u>									
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Relinquished By: <u>Nike Stubblefield</u>		Date: <u>11/15/12</u>	Received By: <u>Joedi Benson</u>		Phone Result: ☐ Yes ☐ No		Add'l Phone #:																
Relinquished By:		Date: <u>3:35</u>	Received By:		Fax Result: ☐ Yes ☐ No		Add'l Fax #:																
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		REMARKS: <u>RUSH!</u>																	
Sampler - UPS - Bus - <u>Other</u>		Cool Intact ☐ Yes ☐ No ☐ No ☐ No		(Initials) <u>JS</u>																			

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



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

December 22, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TEXAS 32 STATE NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 12/19/12 16:30.

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.

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,

A handwritten signature in black ink that reads "Hope S. Moreno". The signature is fluid and cursive, with the first name "Hope" being the most prominent.

Hope Moreno

Inorganic Technical Director

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 12/19/2012
Reported: 12/22/2012
Project Name: TEXAS 32 STATE NO. 1
Project Number: 701162.029.01
Project Location: SEC. 32 - T18S - R26E

Sampling Date: 12/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 6' (H203067-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	12/22/2012	ND	416	104	400	3.92	

Sample ID: S - 1 8' (H203067-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	12/22/2012	ND	416	104	400	3.92	

Sample ID: S - 1 10' (H203067-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	12/22/2012	ND	416	104	400	3.92	

Sample ID: S - 1 12' (H203067-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/22/2012	ND	416	104	400	3.92	

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Hope Moreno, Inorganic Technical Director



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

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 12/19/2012
Reported: 12/22/2012
Project Name: TEXAS 32 STATE NO. 1
Project Number: 701162.029.01
Project Location: SEC. 32 - T18S - R26E

Sampling Date: 12/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 14' (H203067-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/22/2012	ND	416	104	400	3.92	

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Hope S. Moreno

Hope Moreno, Inorganic Technical Director

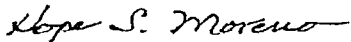
Notes and Definitions

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

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Hope Moreno, Inorganic Technical Director



CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

[illegible]

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Relinquished By:	Date: 12/19/12	Received By: Jodi Benson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Time: 4:30			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus <u>Other</u>	Cool ☒ Intact ☐	(Initials)	
	Yes ☒ No ☐	Yes ☐ No ☐	

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