Electronic Correspondence

January 5, 2015

Re: Corrective Action Plan Mark L Shidler Inc., State 1-30 Battery (Nearest Well – State 1-30 001) API No.: 30-025-08441 GPS: 33.25509, -103.54838 Legal: Unit B, Section 30, Township 12S, Range 34E – Lea County, NM 1RP-3465

To Whom It May Concern:

Viper Products and Services is pleased to submit the following Corrective Action Plan on the aforementioned site for your review and approval.

Work to be Performed-

The scope of this project is for the remediation of a produced water and hydrocarbon release of an estimated 130 bbls (barrels) that occurred when a heater-treater obtained a hole through corrosion. The spill covered approximately 6,100 square feet contained within the secondary containment (firewall) of the battery. There was a spray that went off the location in the pasture but analytical shows that this area was not impacted (see attached Release Area Map).

4 sample points (SP) were set and surface samples were taken at the depth of the excavation that had previously been performed. Laboratory analytical shows that the 3 sample points within the firewall will require further delineation as well as excavation as per the New Mexico Oil Conservation Division (OCD), because of the Benzene and the chloride concentrations. SP 4 requires no further action (see attached Sample Summary).

Further delineation will occur utilizing a backhoe to determine the depth of the contamination. Because the ground water depth is between 50 and 100 feet, the concentration of chlorides must be below 500 parts per million (ppm) and one sample point must be at or below the Clean Drinking Water Standard of 250 ppm. Total Petroleum Hydrocarbons must be below 1000 ppm. Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX) must be below 50 with no more than 10 ppm of Benzene. If an acceptable level of concentration of the contaminants cannot be reached using the backhoe, a drilling rig will be utilized.

Because this is an active location, the OCD has given verbal approval to only have to excavate down 2-3 feet as long as a plastic liner will be placed before backfilling. If the site cleans up to an acceptable level before the 3' benchmark, excavation will cease. The release location will be excavated down to the appropriate depth and impacted firewall will be removed and replaced with remediated soil being taken to an approved disposal facility once the Benzene levels have volatilized to below 10 ppm.. (See attached Excavation Diagram)

Confirmatory samples will be taken on the sidewalls at ½ of depth of the excavation and sent to an approved Laboratory to ensure affected area is fully remediated.

If the results of analyses determine that the contaminant levels are above regulatory threshold levels, additional expansion of the excavation will be performed until the remediation objectives are met.

A plastic liner will be placed at the bottom of the excavated area and compacted gypsum (caliche) will be placed on top to bring the excavated area up to grade.

The area around SP4, which is outside the firewall, will not be remediated as analytical shows the surface to be clean of actionable contaminants.

Thank you for your assistance on this matter. If you have any questions, need more information, or have any additional requirements for this site, please contact me at (940) 395-3308, <u>fredramsey711@gmail.com</u>

Respectfully:

Fred Ramsey Project Manager Viper Products and Services

State 1-30 Battery



December 29, 2014

FRED RAMSEY VIPER PRODUCTS AND SERVICES 4702 COLLEGE AVENUE SNYDER, TX 79549

RE: STATE 1-30 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/19/14 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



VIPER PRODUCTS AND SERVICES FRED RAMSEY 4702 COLLEGE AVENUE SNYDER TX, 79549 Fax To:

Received:	12/19/2014	Sampling Date:	12/19/2014
Reported:	12/29/2014	Sampling Type:	Soil
Project Name:	STATE 1-30 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY		

Sample ID: SP 1 @ 1' (H403895-01)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/22/2014	ND	400	100	400	0.00		
TPH 8015M	mg/	′kg	Analyzed By: MS						S-06	
Analyte Result Reporting Limit		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	30500	100	12/22/2014	ND	201	100	200	4.10		
DRO >C10-C28	40000	100	12/22/2014	ND	195	97.4	200	1.72		
Surrogate: 1-Chlorooctane	2600	% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	223 9	52.1-17	6							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



VIPER PRODUCTS AND SERVICES FRED RAMSEY 4702 COLLEGE AVENUE SNYDER TX, 79549 Fax To:

Received:	12/19/2014	Sampling Date:	12/19/2014
Reported:	12/29/2014	Sampling Type:	Soil
Project Name:	STATE 1-30 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY		

Sample ID: SP 2 @ 6" (H403895-02)

BTEX 8021B	mg/kg		Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	34.5	20.0	12/23/2014	ND	1.87	93.4	2.00	4.37		
Toluene*	510	20.0	12/23/2014	ND	1.85	92.3	2.00	4.87		
Ethylbenzene*	147	20.0	12/23/2014	ND	1.68	83.9	2.00	8.18		
Total Xylenes*	1090	60.0	12/23/2014	ND	4.99	83.1	6.00	9.33		
Total BTEX	1780	120	12/23/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	108	% 61-154	!							
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	12/22/2014	ND	400	100	400	0.00		
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	21000	200	12/22/2014	ND	201	100	200	4.10		
DRO >C10-C28	25400	200	12/22/2014	ND	195	97.4	200	1.72		
Surrogate: 1-Chlorooctane	2800	% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	223	% 52.1-17	1							

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Celey D. Keene, Lab Director/Quality Manager



VIPER PRODUCTS AND SERVICES FRED RAMSEY 4702 COLLEGE AVENUE SNYDER TX, 79549 Fax To:

Received:	12/19/2014	Sampling Date:	12/19/2014
Reported:	12/29/2014	Sampling Type:	Soil
Project Name:	STATE 1-30 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY		

Sample ID: SP 3 @ 1' (H403895-03)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	1680	16.0	12/22/2014	ND	400	100	400	3.92			
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	1110	50.0	12/22/2014	ND	201	100	200	4.10			
DRO >C10-C28	10300 50.0 12/22/2014 ND 195 97.4		97.4	200	1.72						
Surrogate: 1-Chlorooctane 423 %		% 47.2-15	7								
Surrogate: 1-Chlorooctadecane	178	% 52.1-17	6								

Sample ID: SP 4 @ SURFACE (H403895-04)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	16.0 12/22/2014		400 100		400	3.92		
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	12/22/2014	2/2014 ND		100	200	4.10		
DRO >C10-C28	78.7	10.0	12/22/2014	ND	195	97.4	200	1.72		
Surrogate: 1-Chlorooctane 96.3 %		% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	114	% 52.1-17	6							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



VIPER PRODUCTS AND SERVICES FRED RAMSEY 4702 COLLEGE AVENUE SNYDER TX, 79549 Fax To:

Received:	12/19/2014	Sampling Date:	12/19/2014
Reported:	12/29/2014	Sampling Type:	Soil
Project Name:	STATE 1-30 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY		

Sample ID: PILE COMPOSITE (H403895-05)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	12/22/2014	ND	ND 400		400	3.92		
TPH 8015M	mg		Analyze	d By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	8860	200	12/23/2014	ND	192	95.9	200	0.542		
DRO >C10-C28	27400	200	12/23/2014	ND	186	93.1	200	0.738		
Surrogate: 1-Chlorooctane 1580 %		% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	273	% 52.1-17	6							

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

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Celey D. Keene, Lab Director/Quality Manager

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Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	5.22 Sample Condition CHE Cool Infact Pres Pres	Roserved By:	g without limitation, business interruptions, andinal regardless of whether such claim Received By:	dy for any claim arising whether based in contract or tort, shall be lim	 	 - - - - - 	# CON GROU WAST SOIL OIL SLUDO OTHE ACID/I	R : BASE: COOL	MATRIX PRESERV	Phone #:	fy State:		Zip: Attn: Kenny Address:	Comp	P.O. #:	Lewicer -		
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														ő			UEST	

DIECT



September 23, 2015

GREG GREGSON MARK L. SHIDLER 1313 CAMPBELL ROAD BLDG. D HOUSTON, TX 77055

RE: NM STATE I-30

Enclosed are the results of analyses for samples received by the laboratory on 09/17/15 14:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 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. Keine

Celey D. Keene Lab Director/Quality Manager



MARK L. SHIDLER
GREG GREGSON
1313 CAMPBELL ROAD BLDG. D
HOUSTON TX, 77055
Fax To:

Received:	09/17/2015	Sampling Date:	09/17/2015
Reported:	09/23/2015	Sampling Type:	Soil
Project Name:	NM STATE I-30	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	LEA		

Sample ID: FRONT WELL-HEAD (H502446-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/18/2015	ND	432	108	400	3.77	
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	09/22/2015	ND	204	102	200	3.89	
DRO >C10-C28	56.7	10.0	09/22/2015	ND	215	107	200	7.00	
Surrogate: 1-Chlorooctane	62.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	76.7	% 52.1-17	6						

Sample ID: CENTER- LOCATION (H502446-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/18/2015	ND	432	108	400	3.77	
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	09/22/2015	ND	204	102	200	3.89	
DRO >C10-C28	514	10.0	09/22/2015	ND	215	107	200	7.00	
Surrogate: 1-Chlorooctane	70.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.4	% 52.1-17	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		MARK L. SHIDLER GREG GREGSON 1313 CAMPBELL ROAD BLI HOUSTON TX, 77055 Fax To:	DG. D	
Received:	09/17/2015		Sampling Date:	09/17/2015
Reported:	09/23/2015		Sampling Type:	Soil
Project Name:	NM STATE I-30		Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN		Sample Received By:	Judy Garcia
Project Location:	LEA			

Sample ID: S.E. DEADMAN (H502446-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/18/2015	ND	432	108	400	3.77	
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	<50.0	50.0	09/22/2015	ND	204	102	200	3.89	
DRO >C10-C28	500	50.0	09/22/2015	ND	215	107	200	7.00	
Surrogate: 1-Chlorooctane	50.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	95.6	% 52.1-17	6						

Sample ID: S- WELL-HEAD (H502446-04)

Chloride, SM4500Cl-B	mg/kg Ana		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	09/18/2015	ND	432	108	400	3.77	
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	09/22/2015	ND	204	102	200	3.89	
DRO >C10-C28	329	10.0	09/22/2015	ND	215	107	200	7.00	
Surrogate: 1-Chlorooctane	67.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	86.3	% 52.1-17	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		MARK L. SHIDLER GREG GREGSON 1313 CAMPBELL ROAD BLD HOUSTON TX, 77055 Fax To:	G. D	
Received:	09/17/2015		Sampling Date:	09/17/2015
Reported:	09/23/2015		Sampling Type:	Soil
Project Name:	NM STATE I-30		Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN		Sample Received By:	Judy Garcia
Project Location:	LEA			

Sample ID: N.E. DEADMAN (H502446-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/18/2015	ND	432	108	400	3.77	
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	09/22/2015	ND	204	102	200	3.89	
DRO >C10-C28	129	10.0	09/22/2015	ND	215	107	200	7.00	
Surrogate: 1-Chlorooctane	71.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	83.0	% 52.1-17	6						

Sample ID: N-WELL-HEAD (H502446-06)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1860	16.0	09/18/2015	ND	432	108	400	3.77	
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	<50.0	50.0	09/22/2015	ND	204	102	200	3.89	
DRO >C10-C28	3500	50.0	09/22/2015	ND	215	107	200	7.00	
Surrogate: 1-Chlorooctane	78.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	131	% 52.1-17	6						

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Celez 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 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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

City: Project Manager: Gregg Gregson Company Name: MArk L. Shidler Phone #: Sampler Name: Project Location: Project Name: Project #: Address: Relinquished By: **Relinquished By** service. In no event shall Cardinal be liable for inalyses. All claims including those for neglige Sampler - UPS - Bus - Other: FOR LAB USE ONLY Delivered By: (Circle One) Lab I.D. EASE NOTE: Liability and 244 0 NN N-well her (575) 393-2326 FAX (575) 393-2476 101 East Marland, Hobbs, NM 88240 J.E. DEADMAN CARY MONCHEAD Center-N-well-head N.E. DCADMAN Mout we Les -wel STAte Sample I.D. and any he to location other cause whatsoever shall be deemed waived unless 1-2040 Project Owner: Fax #: Date: State: Time: 530 including without limitation, business Zip: (G)RAB OR (C)OMP Received By **Received By:** 8 # CONTAINERS Buising GROUNDWATER 2 WASTEWATER Cool Intact made in writing and rece MATRIX SOIL 1 1 inte Condition OIL claim is based upon any of the above SLUDGE ns, loss of use, or loss of profits City: State: t or lort, shall be OTHER Phone #: Attn: Company: P.O. #: Fax #: Address: PRESERV ACID/BASE ed by ICE / COOL CHECKED BY: BILL TO (Initials) OTHER 5-17 9-17 2-1-2 9.17 Zip: within 30 days after co 212 9-17-1S DATE SAMPLING ed by client, its subsidiarie aid by the client Fax Result: REMARKS: hone Result: 8:30 TIME tion of the applicable pripe 5 □ Yes I I No ANALYSIS REQUEST Add'I Fax #: Add'l Phone #:

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

Page 6 of 6

SAM	IPLE	<u>PROJ</u>	<u>ECT</u>	<u>State</u>	1-30 Battery
<u>Sample #</u>	<u>Depth/FT</u> (CHLORIDES	<u>TPH</u>	BTEX	
SP1	1	96	70500	N/A	
SP2	0.5	80	46400	3561.5	
SP3	1	1680	11410	N/A	
SP4	SURFACE	80	78.7	N/A	



Above Regulatory Limit

Below Clean Drinking Water Standard

Below Regulatory Limit







C

C

C

Not to scale Sample Date: 09/23/2015

Site Map of Soil Samples

MARK L. SHIDLER, INC.

















MARK L. SHIDLER, INC. NM State No. 1-30 Lea Co., NM

Dec. 8, 2014 Release Area (Around Wellhead)

Further delineation of oil saturated soils north and south of Wellhead occurring on Oct. 28 and 29, 2015



Northside

Southside









November 09, 2015

GREG GREGSON MARK L. SHIDLER 1313 CAMPBELL ROAD BLDG. D HOUSTON, TX 77055

RE: NM STATE I-30

Enclosed are the results of analyses for samples received by the laboratory on 11/04/15 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



MARK L. SHIDLER
GREG GREGSON
1313 CAMPBELL ROAD BLDG. D
HOUSTON TX, 77055
Fax To:

Received:	11/04/2015	Sampling Date:	11/03/2015
Reported:	11/09/2015	Sampling Type:	Soil
Project Name:	NM STATE I-30	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA		

Sample ID: SE WELL HEAD (H502915-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	ND	416	104	400	0.00	
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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	99.1	10.0	11/05/2015	ND	211	105	200	0.0565	
Surrogate: 1-Chlorooctane	85.6	% 35-147							
Surrogate: 1-Chlorooctadecane	94.7	% 28-171							

Sample ID: NW WELL HEAD (H502915-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	ND	416	104	400	0.00	
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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	122	10.0	11/05/2015	ND	211	105	200	0.0565	
Surrogate: 1-Chlorooctane	83.9	% 35-147							
Surrogate: 1-Chlorooctadecane	93.3	% 28-171							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

LEA

Sample Received By:

(See Notes)

Jodi Henson

Analytical Results For:

	GREG 0 1313 C/	. Shidler Regson Ampbell Road Bldg. D On TX, 77055		
11/	/04/2015 /09/2015 STATE I-30	Sampling Dat Sampling Typ Sampling Cor	pe: Soil	

Sample ID: SW WELL HEAD (H502915-03)

Received:

Reported:

Project Name:

Project Number:

Project Location:

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	ND	416	104	400	0.00	
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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	127	10.0	11/05/2015	ND	211	105	200	0.0565	
Surrogate: 1-Chlorooctane	70.9	% 35-147							
Surrogate: 1-Chlorooctadecane	79.4	% 28-171							

Sample ID: NE WELL HEAD (H502915-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	ND	416	104	400	0.00	
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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	161	10.0	11/05/2015	ND	211	105	200	0.0565	
Surrogate: 1-Chlorooctane	90.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	105	% 28-171							

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	10. 01 000 mome : (0. 0) 000 0					
company name: MARK.L. Shidler	1. Shipler		BILL TO		A	ANALYSIS REQUEST
Project Manager: Gregg GregSON	g Gregson		P.O. #:	_	_	
Address:			Company:			
City:	State: Zi	Zip:	Attn:			
Phone #:	Fax #:		Address:			
Project #:	Project Owner:		City:			
Project Name:			State: Zip:			
Project Location: <t of<="" td=""><td>(22-1 of</td><td></td><td>#</td><td></td><td></td><td></td></t>	(22-1 of		#			
110				>		
Sampler Name CALY	Morchead		Fax #:	5		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING			
	Sample I.D.	ONTAINERS OUNDWATER STEWATER	HER : ID/BASE: : / COOL HER :	TPH 88		
CIH7ACU		# 0 GF W/ SC OII	AC	TIME		
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analyses. All claims including those for neglig service. In no event shall Cardinal be liable to service.	ability and client's exclusive and any other cause whats intal or consequental dam	aim arising whether based in contract of ed waived unless made in writing and out limitation, business interruptions, to	or tort, shall be limited to the amount pa received by Cardinal within 30 days after so of use, or loss of profits incurred by	d by the client for the r completion of the applicable slient, its subsidiaries,		
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Relinguished By:	OM	Boomen By: J	lenser			Add'l Fax #:
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Sampler - UPS - Bus - Other:	other: 25,40	Cool Intact	(Initials)			
			UVV .			

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