



Elliott Monterey Battery

WORK PLAN

API No. 30-025-40434

Release Date: October 16, 2016

Unit Letter U, Section 1, Township 21 South, Range 37 East

NMOCD Case #: 1R-4477

January 5, 2017

Prepared by:

Laura Flores

Environmental Department

Diversified Field Service, Inc.

206 W. Snyder

Hobbs, NM 88240

Phone: (575)964-8394

Fax: (575)393-8396

Kristen Lynch
Environmental Protection Specialist
New Mexico Oil Conservation District
1625 N French Drive
Hobbs, NM 88240

**RE: Sheridan Production Company, LLC – Elliott Monterey Battery –
Remediation Work Plan**
UL/V, Section 1, T27S, R37E
API No. 30-025-40434
NMOCD Case #: 1R-4477
NMOCD Score: 0

Ms. Lynch,

Sheridan Production Company, LLC (Sheridan) has retained Diversified Environmental (DFSI) to address environmental issues for the site detailed herein.

The site is located north of Eunice, NM, in Lea County. The spill site resulted from a corroded joint on a circulating line. A total of approximately 6 barrels of oil was released with 5 barrels recovered. An initial C-141 was submitted to NMOCD on October 21, 2016 and approved on October 24, 2016 (Appendix I).

Site Assessment

On November 11, 2016 DFSI personnel were on site to obtain samples within the leak area (Figure 1). Two samples were obtained and field sampled for chloride levels, as well as BTEX (Appendix II). The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Clean field samples were submitted for laboratory analysis at Cardinal Laboratory of Hobbs, NM to obtain confirmation (Appendix III). Based on analysis, chlorides, TPH and BTEX had a significant decline from 1' to the bottom two samples.

DFSI has conducted a groundwater study of the area and has determined, according to the New Mexico Office of the State Engineer, there is no known depth to groundwater beneath this site (Appendix IV).

Conclusion

After careful review DFSI, on behalf of Sheridan, would like to propose the following:

Due to safety hazards, including various lines running throughout the site (as depicted in site photos) and to maintain tank integrity, the entire release area will be excavated to a depth of 1' bgs. The excavation will be backfill with clean, imported soil to ground surface and contoured to the surrounding area. Seeding of the site is not warranted. Additional remediation will occur at time of site abandonment.

Following the approval of the above plan, DFSI will submit all proper closure documentation to the NMOCD in accordance to the State Guidelines set forth.

Please feel free to contact Mike Burton at 575-390-5454 or me with any questions concerning this remediation plan request.

Sincerely,



Laura Flores

Environmental Report Writer | Diversified Field Services, Inc.

206 West Snyder | Hobbs, NM 88240

Office: (575)964-8394 | Fax: (575)964-8396 | Email: lflores@diversifiedfsi.com

Figures: Site Diagram


Appendices: Initial C-141
 Site Photos
 Laboratory Analysis
 Groundwater Study


Site Map




SP1										SP2									
Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X
SS	249	199.7								SS	294	250.2							
1'	349	3192	80	2420	7470	<1.00	11.8	19.5	80.6	1'	324	2209	16	233	2450	<0.05	0.529	1.65	5.4
2'	274	3545								2'	249	1638							
3'	324	247.1								3'	249	239.4							
4'	224	193.5								4'	274	131							
5'	249	106.7								5'	224	77.2							
6'	249	60.2								6'	249	48.9	<16	<10	19.9	<0.05	<0.05	<0.05	<0.15
7'	274	305								7'	299	24.5	<16	<10	26.1	<0.05	<0.05	<0.05	<0.15
8'	249	117.6																	
9'	174	60.1																	
10'	224	49.5	<16	<10	128	<0.05	<0.05	0.067	0.416										
11'	249	40.5	16	18.4	259	<0.05	<0.05	0.154	0.844										

Legend

 Sample Points

 Tanks

 Oil (716 sq ft)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Appendix I

INITIAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

REVIEWED

By Kristen Lynch at 9:25 am, Oct 24, 2016

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Sheridan Production Company, LLC	Contact: Ed Hamblin	
Address: 1602 W Broadway Andrews TX 79714	Telephone No.: 432-813-4831	
Facility Name: Elliott Monterery Battery	Facility Type: Oil Storage Battery (NMLC-065525)	
Surface Owner: Federal	Mineral Owner: Federal	API No.: 40-025-40434

LOCATION OF RELEASE

Unit Letter	Section 1	Township 21S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County LEA
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Latitude 32.5025012 Longitude -103.1199114

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 6 BBLS	Volume Recovered: 5 BBLS
Source of Release: Circulating Line	Date and Hour of Occurrence: 10/16/2016 11:30 AM	Date and Hour of Discovery 10/16/2016 11:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kristen Lynch	
By Whom? Ed Hamblin	Date and Hour: 10/21/2016 11:25 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*



Describe Cause of Problem and Remedial Action Taken.*

A tee joint on a circulating line failed due to corrosion. A vacuum truck was mobilized to recover the freestanding fluid.

Describe Area Affected and Cleanup Action Taken.*

The affected area was inside of the berm. Vertical & horizontal delineation will be determined and a cleanup plan of action will be prepared.

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.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Ed Hamblin	Approved by Environmental Specialist: 		
Title: EHS Coordinator	Approval Date: 10/24/2016	Expiration Date: 12/24/2016	
E-mail Address: ed.hamblin@sheridanproduction.com	NMOCD accepts discrete samples only Conditions of Approval: Notify OCD prior to sampling events. Please submit Remediation Plan no later than 11/24/2016.		Attached <input type="checkbox"/> 1RP 4477
Date: 10/21/2016	Phone: 432-813-4831		

* Attach Additional Sheets If Necessary

nKL1629833610
pKL1629833780

Appendix II

SITE PHOTOS

ELLIOTT MONTEREY BATTERY

PHOTO PAGE



Site prior



Site prior



Site prior



Site prior



Site prior

Appendix III

LABORATORY ANALYSIS

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394



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

January 05, 2017

ED HAMBLIN

SHERIDAN PRODUCTION COMPANY,LLC

1602 W. BROADWAY

ANDREWS, TX 79714

RE: MONTERREY FED #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/04/17 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

SHERIDAN PRODUCTION COMPANY,LLC
ED HAMBLIN
1602 W. BROADWAY
ANDREWS TX, 79714
Fax To: (432) 523-1099

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	MONTERREY FED #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H700026-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	11.8	1.00	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	19.5	1.00	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	80.6	3.00	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTX	112	6.00	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/04/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2420	50.0	01/05/2017	ND	206	103	200	3.11		
DRO >C10-C28	7470	50.0	01/05/2017	ND	225	113	200	2.65		

Surrogate: 1-Chlorooctane 174 % 35-147

Surrogate: 1-Chlorooctadecane 222 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SHERIDAN PRODUCTION COMPANY,LLC
 ED HAMBLIN
 1602 W. BROADWAY
 ANDREWS TX, 79714
 Fax To: (432) 523-1099

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	MONTERREY FED #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 10' (H700026-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	<0.050	0.050	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	0.067	0.050	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	0.416	0.150	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTEX	0.483	0.300	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/04/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/05/2017	ND	206	103	200	3.11	
DRO >C10-C28	128	10.0	01/05/2017	ND	225	113	200	2.65	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 121 % 28-171

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SHERIDAN PRODUCTION COMPANY,LLC
ED HAMBLIN
1602 W. BROADWAY
ANDREWS TX, 79714
Fax To: (432) 523-1099

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	MONTERREY FED #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 11' (H700026-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	<0.050	0.050	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	0.154	0.050	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	0.844	0.150	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTEX	0.998	0.300	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/04/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	18.4	10.0	01/05/2017	ND	206	103	200	3.11	
DRO >C10-C28	259	10.0	01/05/2017	ND	225	113	200	2.65	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SHERIDAN PRODUCTION COMPANY,LLC
 ED HAMBLIN
 1602 W. BROADWAY
 ANDREWS TX, 79714
 Fax To: (432) 523-1099

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	MONTERREY FED #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H700026-04)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	0.529	0.050	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	1.65	0.050	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	5.40	0.150	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTEX	7.58	0.300	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/04/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	233	50.0	01/05/2017	ND	206	103	200	3.11	
DRO >C10-C28	2450	50.0	01/05/2017	ND	225	113	200	2.65	

Surrogate: 1-Chlorooctane 119 % 35-147

Surrogate: 1-Chlorooctadecane 144 % 28-171

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Fax To: (432) 523-1099

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	MONTERREY FED #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 6' (H700026-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	<0.050	0.050	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	<0.150	0.150	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTEX	<0.300	0.300	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/05/2017	ND	206	103	200	3.11	
DRO >C10-C28	19.9	10.0	01/05/2017	ND	225	113	200	2.65	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

SHERIDAN PRODUCTION COMPANY,LLC
ED HAMBLIN
1602 W. BROADWAY
ANDREWS TX, 79714
Fax To: (432) 523-1099

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	MONTERREY FED #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 7' (H700026-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	<0.050	0.050	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	<0.050	0.050	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	<0.150	0.150	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTX	<0.300	0.300	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/04/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/05/2017	ND	206	103	200	3.11	
DRO >C10-C28	26.1	10.0	01/05/2017	ND	225	113	200	2.65	

Surrogate: 1-Chlorooctane 98.5 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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



Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Erin Sheridan</i>				BILL TO				ANALYSIS REQUEST																		
Project Manager:				P.O. #: <i>8001</i>																						
Address:				Company:																						
City:		State:		Zip:		Attn:																				
Phone #:		Fax #:		Address:																						
Project #:		Project Owner:		City:																						
Project Name: <i>Erin Sheridan</i>				State: Zip:																						
Project Location: <i>Monterey Fed #1 Bat</i>				Phone #:																						
Sampler Name: <i>Ricky Alvarez</i>				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(GRAB OR C/COMP.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
<i>H700026</i>																										
<i>1</i>	<i>Sp 1 @ 1'</i>	<i>5</i>	<i>1</i>			<i>/</i>					<i>/</i>		<i>8-3-17</i>													
<i>2</i>	<i>Sp 1 @ 10'</i>	<i>5</i>	<i>1</i>			<i>/</i>					<i>/</i>		<i>↓</i>													
<i>3</i>	<i>Sp 1 @ 11'</i>	<i>5</i>	<i>1</i>			<i>/</i>					<i>/</i>															
<i>4</i>	<i>Sp 2 @ 1'</i>	<i>5</i>	<i>1</i>			<i>/</i>					<i>/</i>															
<i>5</i>	<i>Sp 2 @ 6'</i>	<i>5</i>	<i>1</i>			<i>/</i>					<i>/</i>		<i>↓</i>													
<i>6</i>	<i>Sp 2 @ 7'</i>	<i>5</i>	<i>1</i>			<i>/</i>					<i>/</i>															

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

Relinquished By: <i>Ricky Alvarez</i>	Date: <i>11/4/16</i>	Received By: <i>Nodi Henson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>12:00</i>	Date:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <i>email to: 1 Flores @ diversified-fsi.com</i>	
	Time:		<i>R Alvarez</i>	
Delivered By: (Circle One)		Sample Condition	<i>m hawes</i>	
Sampler - UPS - Bus - Other: <i>#75 1.80</i>		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>m burton</i>	
		CHECKED BY: <i>[Signature]</i>	<i>m patterson</i>	

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

Appendix IV

GROUNDWATER STUDY

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 31

Township: 26S

Range: 38E

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.

1/4/17 10:35 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 6, 7

Township: 27S

Range: 38E

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.

1/4/17 10:35 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 35, 36

Township: 26S

Range: 37E

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1/4/17 10:35 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 1, 2, 11, 12

Township: 27S

Range: 37E

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.

1/4/17 10:35 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER