

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

Form C-141
Revised August 8, 2011

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

2RP-3247

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Products Operating, LLC	Contact: Alena Miro
Address: PO Box 4324, Houston, TX 77252	Telephone No.: 575-628-6802
Facility Name: Pipeline ROW, B6 Lateral	Facility Type: Pipeline
Surface Owner Multiple Owners	Mineral Owner n/a

LOCATION OF RELEASE

Unit Letter	Section 3	Township 21S	Range 25E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
-------------	---------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	-----------------------

Latitude: **N 32.519245** Longitude: **W -104.384699**

NATURE OF RELEASE

Type of Release: Natural Gas and Pipeline Liquids	Volume of Release: 1.594 MMCF and 50 BBL Pipeline Liquids	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence: 3/5/2014 14:00 (MST)	Date and Hour of Discovery: 3/5/2014 17:00 (MST)
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Randy Dade via Telephone	
By Whom? Jim Heap	Date and Hour: 03/06/2014 09:00 (MST)	
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.*

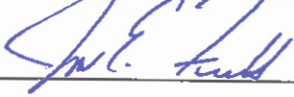
Describe Cause of Problem and Remedial Action Taken.*

Suspected internal corrosion. The pipeline was evacuated to atmosphere to complete repair. Volume includes line blowdown volume.

Describe Area Affected and Cleanup Action Taken.*

Soil remediation activities are outlined in the attached document.

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: Jon E. Fields	Approved by Environmental Specialist: Ashley Maxwell		
Title: Director - Field Environmental	Approval Date: 4/18/2023	Expiration Date:	
E-mail Address: jefields@eprod.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4/11/17 Phone: 713-381-6595			

* Attach Additional Sheets If Necessary



talonlpe.com • 866.742.0742



Closure Report
Enterprise Field Services, LLC: B-6 Lateral
[2RP-3247]

April 7, 2017

Prepared For:

Ms. Alena Miro
Enterprise Field Services, LLC
PO Box 4342
Houston, TX 77252

Prepared By:

Talon/LPE
408 W. Texas Ave.
Artesia, NM 88210

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1.0 Introduction

1.1 Objectives and Site Background

Enterprise Field Services, LLC (Enterprise) has contracted Talon/LPE (Talon) to perform initial spill response, soil sampling and remediation services at the previously referenced location. The regulatory framework, site description, incident description, soil sampling results, remediation activities, conclusions and recommendations are submitted herein.

The B-6 Lateral is located approximately twenty-four (14) miles south of Artesia, New Mexico. The legal location for this release is Unit Letter C, Section 2, Township 21 South and Range 25 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.519245 and -104.384699 West. A site plan is presented in [Appendix I](#).

2.0 Regulatory Framework

2.1 NMOCD Site Ranking Criteria

Site ranking criteria found within the NMOCD guidance document titled: *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. Consistent with these guidelines, general site characteristics, including the depth to groundwater, and the distance to water wells or surface water sources, will be utilized to determine the appropriate “ranking” of individual release sites and the associated remedial action requirements. The site ranking criteria and associated scoring values, based on the 1993 guidance, are summarized in the following Table.

Ranking Criteria		Ranking Score
Depth to Groundwater	<50'	20
	50-99'	10
	>100'	0
Wellhead Protection Area <1,000' from a water source, or 200' from private domestic water source.	Yes	20
	No	0
Distance to Surface Water Body	<200'	20
	200' to 1,000'	10
	>1,000'	0

2.2 Remedial Action Levels for Soil

From the NMOCD guidance document *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. The total ranking score determines the degree of remediation that may be required on a site specific basis. The total ranking score is the sum of all four individual ranking criteria. The Recommended Remedial Action Level's (RRAL's) based on total site ranking are summarized in the table below.

Constituent	Site Ranking >19	Site Ranking 10	Site Ranking 0
Benzene	10 mg/kg	10 mg/kg	10 mg/kg
Total BTEX	50 mg/kg	50 mg/kg	50 mg/kg
TPH	100 mg/kg	1,000 mg/kg	5,000 mg/kg

Though not mentioned in the NMOCD guidance document *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. The recommended remedial action level for Total Chloride concentration in NMOCD District 2 is 1,000 mg/kg regardless of depth to groundwater.

3.0 Site Area Description

3.1 Soil Description

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service (NRCS), the soil in this area is made up of the Reeves-Gypsum land complex with 0 to 3 percent slopes. Drainage courses in this area are normally dry.

3.2 Ground Water Depth and Wellhead Distance

The New Mexico State Engineer database indicates that ground water in the project vicinity is at a depth of 80-feet below ground surface (BGS). The nearest water well to this site is well (C-03618-POD1) is 1,453-feet from the site. See [Appendix III](#) for the referenced groundwater data and well data.

3.3 Surface Water Distance

The nearest surface water body is the Brantley Lake. The nearest bank of the Lake is approximately 0.9 miles north of the site. See [Appendix II](#) for area maps.

3.4 Site Ranking Conclusion

Based on the information provided in the above sections it is concluded that the ranking for this site is 10. Therefore NMOCD RRAL's for this incident should be consistent with the description in section 2.2.

4.0 Incident Information

4.1 Incident Description

On March 5, 2014, a leak was discovered on the B-6 Lateral line. The line was shut in and repaired. Following repair of the line the impacted soil was excavated.

5.0 Remediation Activities

5.1 Excavation Activities

A bell hole was dug to remove impacted soil utilizing visual observations, PID readings, and field chloride titrations as a guide. Once field data indicated that all of the impacted material had been successfully removed. Confirmation soil samples were taken from the bottom and sidewall samples of the excavation

5.2 Soil Sampling

Following excavation activities soil samples were collected from the bottom and sidewalls of the excavation the analytical results from the soil sampling are summarized in the tables below. Laboratory Analytical Reports and Chain of Custody Documentation can be found in [Appendix V](#).

March 20, 2014

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg)
S-1	6	<0.050	25.4	512	4612
S-2	Sidewall	<0.050	0.373	64	13.6
S-3	Sidewall	<0.050	<0.300	224	<10.0
S-4	Sidewall	0.307	84.4	608	2070
S-5	Sidewall	<0.050	1.64	32	<10.0

March 22, 2014

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg)
S-1	8	--	--	--	<10.0
S-4	Sidewall	<0.050	<0.300	--	<10.0

(--) Analyte Not Tested

5.3 Backfill and Site Grading Activities

Following receipt of analytical results from the soil sampling events the site was backfilled with top soil and contoured to match the surrounding terrain.

6.0 Conclusions and Recommendations

6.1 Conclusions

- The site was excavated utilizing visual observations, field chloride titrations, and PID readings to guide the extent of the excavation.
- Soil samples were taken from the bottom and sidewalls of the excavation and analyzed for TPH, BTEX, and total chlorides.
- Following receipt of analytical data below NMOCD RRAL's the site was backfilled with top soil and contoured to match the surrounding terrain.


6.2 Recommendations

Based on the analytical results from the soil sampling events we recommend that no further activities be required and that closure with regard to this release be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

TALON/LPE



Sheldon Hitchcock
Project Manager



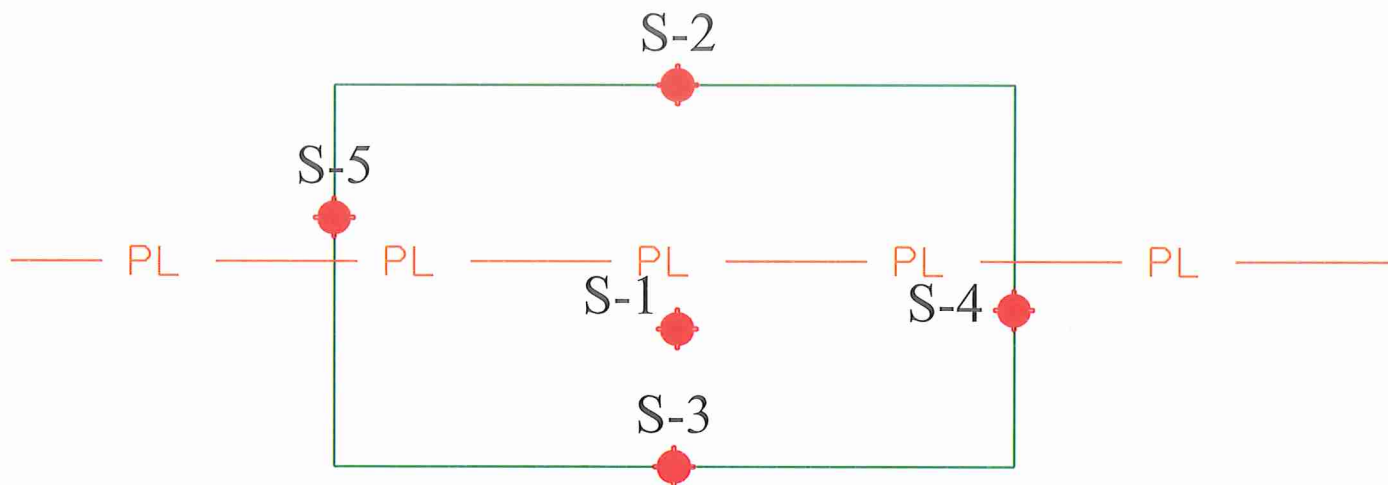
David J. Adkins
District Manager

Attachments



- Appendix I Site Plan
- Appendix II Area Maps
- Appendix III Groundwater and Well Data
- Appendix IV Initial C-141
- Appendix V Laboratory Results

APPENDIX I

SITE PLAN



0 5 10
Scale in Feet

Legend	
	- Sample Location
	- Pipeline



Date: 06/02/2014

Scale: 1" = 10'

Drawn By: TJS

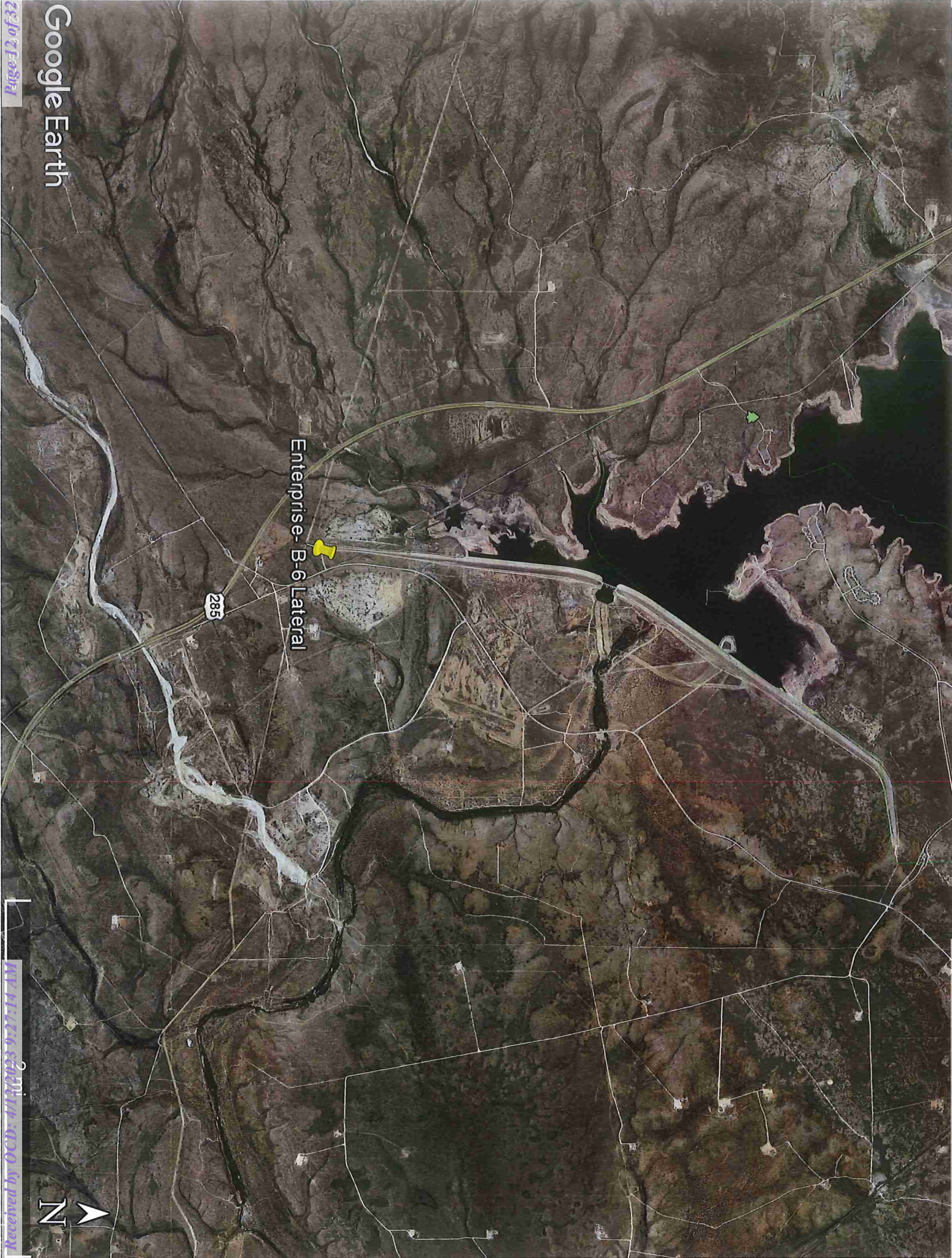
B-6 Capitan Reef #2
Enterprise Products Company
Eddy County, New Mexico
Figure 1 - Site Plan

APPENDIX II

AREA MAPS

22102 P0811

Google Earth



Received by OGD - 4/18/2023 7:32:30 AM

Released to Imaging: 4/18/2023 7:32:30 AM



0 mi 0.15 mi 0.3 mi 0.45 mi 0.6 mi

TN MN
8.1°
1/1/2010



APPENDIX III

GROUNDWATER AND WELL 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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03618 POD1	C	ED		2	2	1	03	21S	25E	557943	3597754	1431	160	80	80
C 00550	C	ED		1	1	2	11	21S	25E	559689	3596136*	1567	97		
C 01350	C	ED		3	3	2	34	20S	26E	559278	3599447*	1778	170	135	35

Average Depth to Water: 107 feet
Minimum Depth: 80 feet
Maximum Depth: 135 feet

Record Count: 3

Basin/County Search:

County: Eddy

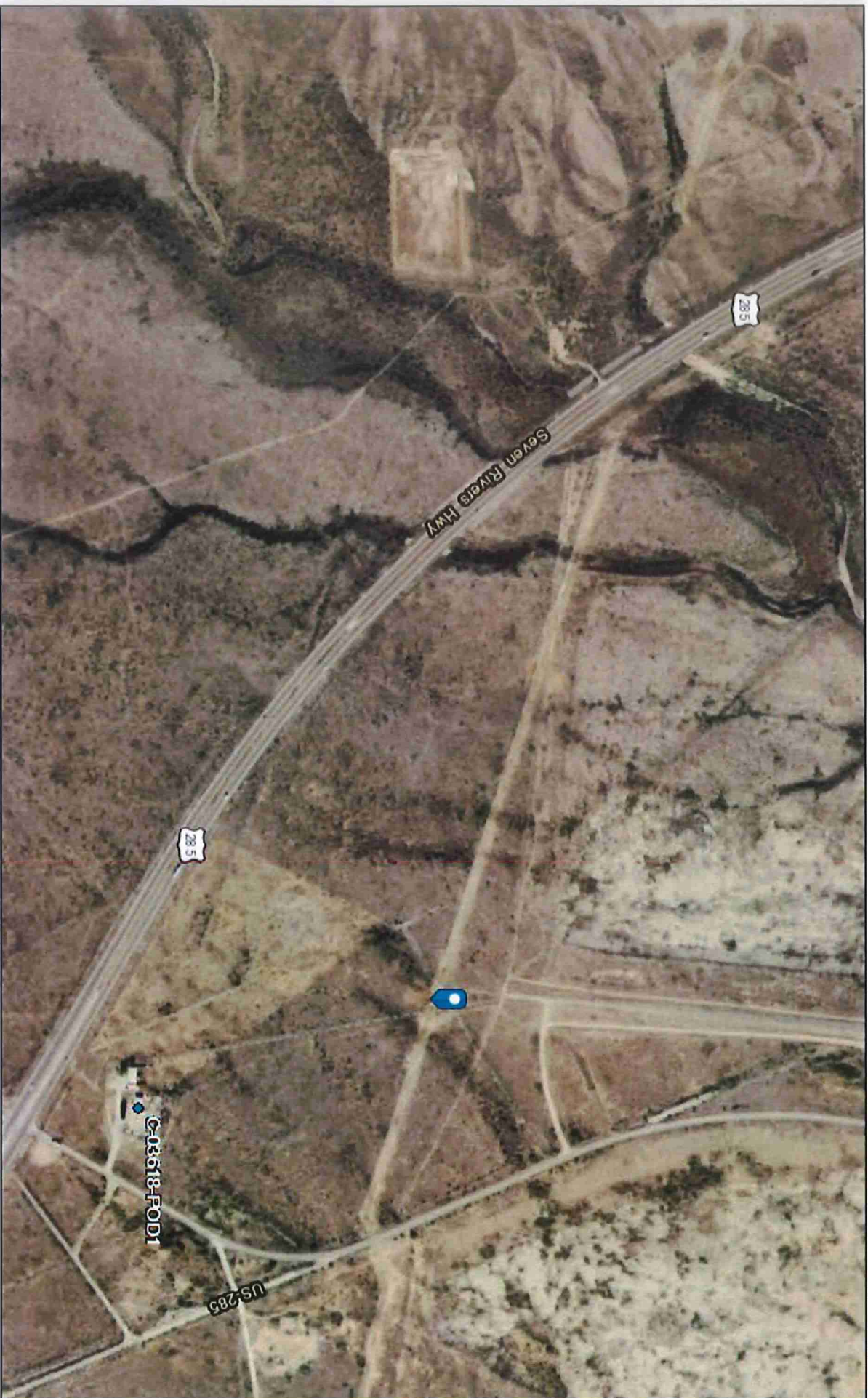
UTM NAD83 Radius Search (in meters):

Easting (X): 559372 Northing (Y): 3597671 Radius: 2000

*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.

USE WELL LOCATIONS



April 7, 2017

OSE Wells

● ACT

OSE District Boundary



Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the

APPENDIX IV

INITIAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-141
Revised October 10, 2007

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

PAB1500627542
NAB1525329617

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Enterprise Field Services LLC	Contact	Jim Heap
	PO Box 4324, Houston, TX 77252	Telephone No.	432-686-5404
Facility Name	Pipeline ROW, B6 Lateral	Facility Type:	Gas Gathering Pipeline
Surface Owner	Multiple Owners	Mineral Owner	NA
		Lease No.	NA

LOCATION OF RELEASE

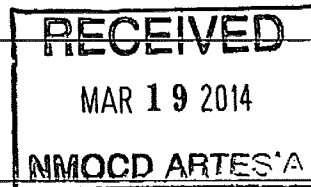
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	3	21S	25E					Eddy

Latitude 32.519245 N Longitude -104.384699 W

NATURE OF RELEASE

Type of Release	Natural Gas and Pipeline Liquids	Volume of Release: 1.594 MMCF and 50BBL Pipeline Liquids	Volume Recovered
Source of Release	Pipeline Leak and Blow-down for Repair	Date and Hour of Occurrence 03/05/2014 14:00 (MST)	Date and Hour of Discovery (End) 03/05/2014 17:00 (MST)
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Randy Dade via Telephone	
By Whom?	Jim Heap	Date and Hour 03/06/2014 09:00 (MST)	
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.*

Suspected internal corrosion. The pipeline was evacuated to atmosphere to complete repair. Volume includes line blowdown volume.

Describe Area Affected and Cleanup Action Taken.*

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 CONSERVATION DIVISION

Signature:		Approved by District Supervisor:	
Printed Name:	Jon E. Fields	Approval Date:	4/10/15
Title:	Director, Field Environmental	Expiration Date:	N/A
E-mail Address:	jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	3-14-2014	Remediation per O.C.D. Rules & Guidelines	
Phone:	713-381-6684	SUBMIT REMEDIATION PROPOSAL NO	

LATER THAN: 10/14/15

2RP-3247

* Attach Additional Sheets If Necessary

APPENDIX V

LABORATORY RESULTS



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

May 21, 2014

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: B-6 CAPITAN REEF #2

Enclosed are the results of analyses for samples received by the laboratory on 05/20/14 14:45.

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/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



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

Analytical Results For:

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

Received: 05/20/2014
 Reported: 05/21/2014
 Project Name: B-6 CAPITAN REEF #2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 05/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-1 8' (H401548-01)

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	05/21/2014	ND	2.27	114	2.00	2.21		
Toluene*	1.54	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	4.36	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	19.5	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
Total BTEX	25.4	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 155 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	05/21/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	852	10.0	05/21/2014	ND	232	116	200	0.445	
DRO >C10-C28	3760	10.0	05/21/2014	ND	260	130	200	1.06	

Surrogate: 1-Chlorooctane 174 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/20/2014
Reported: 05/21/2014
Project Name: B-6 CAPITAN REEF #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/20/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 8' (H401548-02)

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	05/21/2014	ND	2.27	114	2.00	2.21			
Toluene*	<0.050	0.050	05/21/2014	ND	2.23	112	2.00	1.54			
Ethylbenzene*	0.094	0.050	05/21/2014	ND	2.13	107	2.00	1.16			
Total Xylenes*	0.279	0.150	05/21/2014	ND	6.73	112	6.00	0.527			
Total BTEX	0.373	0.300	05/21/2014	ND							

Surrogate: 4-Bromofluorobenzene (PIC) 120 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/21/2014	ND	416	104	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	05/21/2014	ND	232	116	200	0.445	
DRO >C10-C28	13.6	10.0	05/21/2014	ND	260	130	200	1.06	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/20/2014
 Reported: 05/21/2014
 Project Name: B-6 CAPITAN REEF #2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 05/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-3 8' (H401548-03)

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	05/21/2014	ND	2.27	114	2.00	2.21		
Toluene*	<0.050	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<0.050	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	<0.150	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
Total BTX	<0.300	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/21/2014	ND	416	104	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	05/21/2014	ND	232	116	200	0.445		
DRO >C10-C28	<10.0	10.0	05/21/2014	ND	260	130	200	1.06		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/20/2014
 Reported: 05/21/2014
 Project Name: B-6 CAPITAN REEF #2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 05/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-4 8' (H401548-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.307	0.050	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	14.4	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	12.1	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	57.5	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	84.4	0.300	05/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/21/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1040	10.0	05/21/2014	ND	232	116	200	0.445	
DRO >C10-C28	1030	10.0	05/21/2014	ND	260	130	200	1.06	

Surrogate: 1-Chlorooctane 149 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/20/2014
 Reported: 05/21/2014
 Project Name: B-6 CAPITAN REEF #2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 05/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-5 8' (H401548-05)

BTX 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	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.185	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.332	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	1.12	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTX	1.64	0.300	05/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 132 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/21/2014	ND	400	100	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	05/21/2014	ND	232	116	200	0.445	
DRO >C10-C28	<10.0	10.0	05/21/2014	ND	260	130	200	1.06	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Notes and Definitions

- 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

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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

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE

Project Manager: S. Hitchcock

Address: 408 W. Texas Ave.

City: Artesia

State: NM Zip: 88210

Phone #: 575-746-8768

Fax #: 575-746-8905

Project #:

Project Owner: Enterprise

Project Name: B-6 Capitan Reef #2

Project Location:

Sample Name: S. Hitchcock

FOR LAB USE ONLY

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

H4DG48

5-1 8' * 6'

5-2 8'

5-3 8'

5-4 8'

5-5 8'

5-6 8'

5-7 8'

5-8 8'

5-9 8'

5-10 8'

5-11 8'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

BTEX

Chlorides

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes

No

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Sample Condition

Cool Intact

Yes

No

Checked By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.82

Yes

No

Yes

No

Yes

No

Yes



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

May 29, 2014

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: B-6 CAPITAN REEF #2

Enclosed are the results of analyses for samples received by the laboratory on 05/22/14 11:20.

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/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



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

Analytical Results For:

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

Received: 05/22/2014
 Reported: 05/29/2014
 Project Name: B-6 CAPITAN REEF #2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 05/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-1 8' (H401570-01)

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	05/23/2014	ND	202	101	200	0.794	
DRO >C10-C28	<10.0	10.0	05/23/2014	ND	224	112	200	0.343	
Surrogate: 1-Chlorooctane	111 %	65.2-140							
Surrogate: 1-Chlorooctadecane	109 %	63.6-154							

Sample ID: S-4 8' (H401570-02)

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	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	<0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTX	<0.300	0.300	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 89.4-126

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	05/23/2014	ND	202	101	200	0.794	
DRO >C10-C28	<10.0	10.0	05/23/2014	ND	224	112	200	0.343	
Surrogate: 1-Chlorooctane	106 %	65.2-140							
Surrogate: 1-Chlorooctadecane	106 %	63.6-154							

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, reading "Celey D. Keene".

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

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 206693

CONDITIONS

Operator: ENTERPRISE PRODUCTS OPERATING, LLC P.O. BOX 4324 HOUSTON, TX 77210	OGRID: 374092
	Action Number: 206693
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	4/18/2023