

May 14, 2015

Ms. Heather Patterson

NMOCD District 2

AMARILLO 921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

408 West Texas Ave. Artesia, New Mexico 88210

> Phone 575.746.8768 Fax 575.746.8905

ARTESIA

811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan

Oxy USA, INC

Two Marks 36 State #004 SWD

30-015-34833 2RP-2977

Dear Ms. Patterson

HOBBS

318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658 Oxy USA, INC (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

MIDLAND 2901 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622

> SAN ANTONIO 13111 Lookout Way San Antonio, Texas 78233 Phone 210.265.8025 Fax 210.568.2191

The Two Marks 36 St. #004 SWD is located approximately thirty-three (33) miles southeast of Artesia, New Mexico. The legal location for this location is Unit Letter O, Section 36, Township 21 South, and Range 24 East in Eddy County, New Mexico. More specifically the latitude and longitude for this release are 32.430102 North and -103.454029 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Ector extremely rocky loam with 9 to 25 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of the Seven Rivers formation consisting of gypsum, anhydrite, salt, dolomite, and siltstone. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 28-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. The referenced groundwater data is presented in Appendix II.

The ranking for this site is 20 Based on the following:

Depth to ground water

<50°

Wellhead Protection Area

>1000°

Distance to surface water body

>1000°

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT

GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

A 4-inch steel salt water disposal line failed causing a release of 10bbls of produced water. All of the fluid was contained on the location. Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area utilizing a backhoe. Due to the shallow soils and rockiness of this area, refusal was encountered with the backhoe at depths between 2-feet and 4-feet below ground surface. Laboratory results from the above referenced sampling activities are summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	ND	5200	ND	ND
S-1	1	ND	256	ND	ND
S-1	1.5	ND	240	ND	ND
S-1 refusal	2	ND	192	ND	ND
S-2	0	ND	272	ND	ND
S-2	1	ND	304	ND	ND
S-2	2	ND	224	ND	ND
S-2	3	ND	304	ND	ND
S-2 REFUSAL	4	ND	512	ND	ND

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.

Proposed Remedial Actions

- The impacted area in the vicinity of sample location S-1 will be excavated to a depth of 1-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with caliche and contoured to match the surrounding terrain.

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

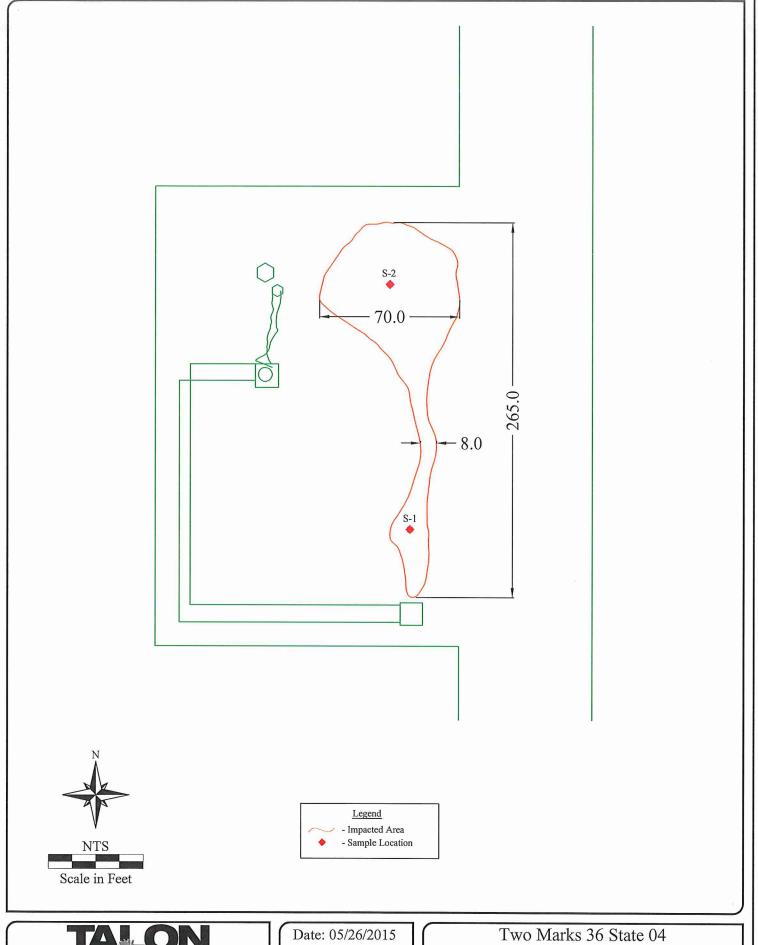
Sheldon L. Hitchcock

Project Manager

David J. Adkins

District Manager

SITE PLAN





Scale: NTS

Drawn By: TJS

Two Marks 36 State 04
Oxy - NM - North
Eddy County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA INITIAL C-141



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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD

Sub-

closed)

QQQ

Code basin County 64 16 4 Sec Tws Rng 4 2 1 12 22S 24E

3586017*

551426

Depth Depth Water Distance Well Water Column

2249 450 400

Average Depth to Water:

400 feet

Minimum Depth:

400 feet

Maximum Depth:

400 feet

Record Count: 1

POD Number

C 02428

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 551725

Northing (Y): 3588247

Radius: 2500

*UTM location was derived from PLSS - see Help

NM OIL CONSERVATION ARTESIA DISTRICT

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

APR **29** 2015

Form C-141 Revised August 8, 2011

2RP-2977

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit 1 Copy to appropriate District Office in RECEIVED Accordance with 19,15.29 NMAC.

Release Notification and Corrective Action NAB 1512 154316 **OPERATOR** Final Report Name of Company: OXY USA INC Contact: Chris Jones Address: 102 S. Main St. Carlsbad, NM 88220 Telephone No.: 575-628-4121 Facility Name: Two Marks 36 State #4 SWD Facility Type: SWD Surface Owner: State Mineral Owner: API No.: 30-015-34833 LOCATION OF RELEASE Unit Letter Section North/South Line Township Range Feet from the Feet from the East/West Line County $\mathbf{0}$ 36 1905 Eddy East Latitude 32.430102 N Longitude -103.454029 W NATURE OF RELEASE Type of Release: Produced Water Volume of Release: 10 bbls Volume Recovered: 0 bbls Source of Release: 4" Steel Line Leak Date and Hour of Occurrence Date and Hour of Discovery 3/30/2015 3/30/2015 Was Immediate Notice Given? If YES, To Whom? ☐ Ycs ☒ No ☐ Not Required By Whom? Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken: A 4" steel salt water disposal line caused a 10 barrel release on location due to stress on the line. All fluids stayed on location. Describe Area Affected and Cleanup Action Taken.* The impacted area was on location only measuring approximately 60' x 80'. Talon/LPE was contracted to perform initial site assessment and soil sampling activities. 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.

(Digitally signed by Clinis Jones

Chris Jones Seens Choice Seess John Communication Chris Jones Seess John Communication Communicati OIL CONSERVATION DIVISION SEUS_ Date: 2015.04.28 15:48:06 Signature: Approved by Environmental Specialist: Printed Name: Chris Jones Title: HES Specialist Approval Date: **Expiration Date:** E-mail Address: Christopher.Jones@oxy.com Conditions of Approval: Attached | Remediation per O.C.D. Rules & Guldelines Date: 4/28/2015 Phone: 575-628-4121 SUBMIT REMEDIATION PROPOSAL NO Attach Additional Sheets If Necessary

LATER THAN:__

LABORATORY RESULTS



May 07, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TWO MARKS 36 STATE 4

Enclosed are the results of analyses for samples received by the laboratory on 04/30/15 11:15.

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 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.

Celey D. Keine

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



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number: Project Location: 70060843701

EDDY

Sampling Date: Sampling Type:

04/29/2015

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S - 1 0 ' (H501128-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2015	ND	2.03	101	2.00	5.73	
Toluene*	< 0.050	0.050	05/01/2015	ND	2.25	112	2.00	5.72	
Ethylbenzene*	<0.050	0.050	05/01/2015	ND	2.05	103	2.00	5.17	
Total Xylenes*	<0.150	0.150	05/01/2015	ND	6.19	103	6.00	5.71	
Total BTEX	<0.300	0.300	05/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/01/2015	ND	196	98.0	200	1.79	
DRO >C10-C28	<10.0	10.0	05/01/2015	ND	203	101	200	0.456	
Surrogate: 1-Chlorooctane	93.1 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.3 9	6 52.1-170	5						

Cardinal Laboratories

*=Accredited Analyte

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

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number:

70060843701

Project Location:

EDDY

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

04/29/2015

Sample Received By: Jodi Henson

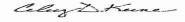
Sample ID: S - 1 1' (H501128-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2015	ND	1.96	98.2	2.00	3.34	
Toluene*	<0.050	0.050	05/04/2015	ND	1.77	88.5	2.00	3.77	
Ethylbenzene*	<0.050	0.050	05/04/2015	ND	1.69	84.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	05/04/2015	ND	5.59	93.2	6.00	5.02	
Total BTEX	<0.300	0.300	05/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/02/2015	ND	196	98.0	200	1.79	
DRO >C10-C28	<10.0	10.0	05/02/2015	ND	203	101	200	0.456	
Surrogate: 1-Chlorooctane	96.15	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane	93.1	% 52.1-176	í						

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*=Accredited Analyte

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

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number:

70060843701

Project Location:

EDDY

Sampling Date:

Sampling Type: Sampling Condition: Soil Cool & Intact

Sample Received By:

Jodi Henson

04/29/2015

Sample ID: S - 1 1.5 ' (H501128-03)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2015	ND	1.96	98.2	2.00	3.34	
Toluene*	<0.050	0.050	05/04/2015	ND	1.77	88.5	2.00	3.77	
Ethylbenzene*	<0.050	0.050	05/04/2015	ND	1.69	84.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	05/04/2015	ND	5.59	93.2	6.00	5.02	
Total BTEX	<0.300	0.300	05/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	61-154	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	91.8	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane	88.2	% 52.1-170	б						

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

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number:

70060843701

Project Location:

EDDY

Sampling Date:

04/29/2015

Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: S - 1 2' REFUSAL (R) (H501128-04)

BTEX 8021B	mg/	'kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2015	ND	1.96	98.2	2.00	3.34	
Toluene*	<0.050	0.050	05/04/2015	ND	1.77	88.5	2.00	3.77	*
Ethylbenzene*	<0.050	0.050	05/04/2015	ND	1.69	84.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	05/04/2015	ND	5.59	93.2	6.00	5.02	
Total BTEX	<0.300	0.300	05/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 61-154							
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	86.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	82.9	% 52.1-17	6						

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Celeg Ditreme -

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Analyzed By: CK

Received:

BTEX 8021B

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number:

70060843701

mg/kg

Sampling Date:

Sampling Type:

04/29/2015

Soil

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

Project Location:

EDDY

Sample ID: S - 2 0' (H501128-05)

	91	9	Anaryzo	a by i cit					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2015	ND	1.96	98.2	2.00	3.34	
Toluene*	<0.050	0.050	05/04/2015	ND	1.77	88.5	2.00	3.77	
Ethylbenzene*	<0.050	0.050	05/04/2015	ND	1.69	84.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	05/04/2015	ND	5.59	93.2	6.00	5.02	
Total BTEX	<0.300	0.300	05/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 %	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	89.9 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	85.5 9	6 52.1-176	á						

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*=Accredited Analyte

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

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number: Project Location: 70060843701

EDDY

Sampling Date:

Sampling Type:

04/29/2015

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S - 2 1'(H501128-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2015	ND	1.96	98.2	2.00	3.34	
Toluene*	<0.050	0.050	05/05/2015	ND	1.77	88.5	2.00	3.77	
Ethylbenzene*	<0.050	0.050	05/05/2015	ND	1.69	84.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	05/05/2015	ND	5.59	93.2	6.00	5.02	
Total BTEX	<0.300	0.300	05/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	61-154	8						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	86.9 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	80.3 %	6 52.1-170	5						

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*=Accredited Analyte

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TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number:

70060843701

Sampling Date:

04/29/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S - 2 2' (H501128-07)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2015	ND	1.96	98.2	2.00	3.34	
Toluene*	<0.050	0.050	05/05/2015	ND	1.77	88.5	2.00	3.77	
Ethylbenzene*	<0.050	0.050	05/05/2015	ND	1.69	84.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	05/05/2015	ND	5.59	93.2	6.00	5.02	
Total BTEX	<0.300	0.300	05/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	% 61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	93.45	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane	86.75	% 52.1-170	5						

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Celeg Ditreme



TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number: Project Location: 70060843701

EDDY

Sampling Date:

04/29/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S - 2 3 '(H501128-08)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2015	ND	1.90	95.2	2.00	0.220	
Toluene*	<0.050	0.050	05/05/2015	ND	1.71	85.6	2.00	0.421	
Ethylbenzene*	<0.050	0.050	05/05/2015	ND	1.64	82.0	2.00	2.17	
Total Xylenes*	<0.150	0.150	05/05/2015	ND	5.39	89.8	6.00	2.17	
Total BTEX	<0.300	0.300	05/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	93.7 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	88.3 9	6 52.1-170	S .						

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DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

04/30/2015

Reported:

05/07/2015

Project Name:

TWO MARKS 36 STATE 4

Project Number:

70060843701

Sampling Date:

04/29/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Project Location:

EDDY

Sample ID: S - 2 4' REFUSAL (R) (H501128-09)

	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2015	ND	1.90	95.2	2.00	0.220	
Toluene*	<0.050	0.050	05/05/2015	ND	1.71	85.6	2.00	0.421	
Ethylbenzene*	<0.050	0.050	05/05/2015	ND	1.64	82.0	2.00	2.17	
Total Xylenes*	<0.150	0.150	05/05/2015	ND	5.39	89.8	6.00	2.17	
Total BTEX	<0.300	0.300	05/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 61-154							
Chloride, SM4500CI-B	mg/	кд	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	05/05/2015	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: CK					
TPH 8015M Analyte	mg/l	Reporting Limit	Analyzed Analyzed	d By: CK Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10					BS 197	% Recovery	True Value QC	RPD 0.528	Qualifier
Analyte	Result	Reporting Limit	Analyzed	Method Blank		· · · · · · · · · · · · · · · · · · ·			Qualifier
Analyte GRO C6-C10	Result	Reporting Limit 10.0 10.0	Analyzed 05/04/2015 05/04/2015	Method Blank	197	98.4	200	0.528	Qualifier

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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 SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

145K 01040502	1486 0	n CHECKED BY:	Sample Condition		Delivered By: (Circle One)	Delivered By
	18			Time:		
26429	Pro + 1/26429	-	(//	1
Wolf 0156489565	Wost op	de	Received By:	10	A: S	Relinquished By:
☐ Yes ☐ No Add'l Fax#:	REMARKS:			Time; / · /	2	1
☐ Yes ☐ No	Phone Result:		Received By:	Pate: Re	Υ.	Kelindusned By:
annuario C	client, its subsidiaries,	s of use, or loss of profits incurred by based upon any of the above stated n	t limitation, business interruptions, los regardiess of whether such claim is i	service. In no event shall Cardinal be fable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or bas of profits incurred by client, its subcidiance, 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.	lardinal be liable for incidental or co	service. In no event shall C affiliates or successors aris
CONT.	aid by the client for the	r tort, shall be limited to the amount preceived by Cardinal within 30 days at	n arising whether based in contract or I walved unless made in writing and n	FLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the annual paid by the client for the paid by th	nd Damages. Cardinal's liability an ing those for negligence and any of	analyses. All claims includi
	1:49 -	1 4.27-13	``	Kcfuscl(R)	S. C 4. K	\$
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1 4.29-15	`		.23	~
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` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	1:28 /	, H-29.15	`	`	S. 22 1.	6
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` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	\$1:00/	1 4-29-15	`	etasal(R)	5. 07	1
	4.27-15 12:55/	1 9.29-1	`		S-1 1.5	W.
,	4-29-15 12:47	1 4.29-1	`	1	5, 1 1	Q.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4-29-15 12:40	1 429.1	`		5.10	1
PTEX TPH Total	TIME	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	(G)RAB OR (C)O	Sample I.D.	Lab I.D.
		PRESERV. SAMPLING	MATRIX	MP.		FOR LAB USE ONLY
h		Fax#:		2 Bacza		Sampler Name:
		Phone #:				Project Location: Eddy
		State: Zip:		36 State 4	(KS	Project Name:
le i		City:	024	Project Owner:	Project #: 700 608 43701	Project #: 70
				Fax #: 575-746-8905	Phone #: 575-746-8768	Phone #: 575
	Jones	2.7		State: NM zip: 88210		city: Artesia
	.' } .	Company: OXY		e.	Texa	Address: 408 W.
		P.O. #:		Adkins	C	Project Manager:
ANALYSIS REQUEST		(A)			e: Talon/LPE	Company Name:

Sample Condition
Cool Infact
Yes Yes
No No

Clomat 2019

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)