

Ms. Heather Patterson NMOCD District 2

ARTESIA

AMARILLO 811 S. 1st Street 921 North Bivins Artesia, NM 88210

Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622 Subject:

Soil Assessment and Remediation Work Plan

Oxy USA, INC

Two Marks 36 State #004 SWD

30-015-34833 2RP-2977

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905

Dear Ms. Patterson

HOBBS

318 East Taylor Street Phone 575.393.4261 Fax 575.393.4658

Oxy USA, INC (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment Hobbs, New Mexico 88240 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 Hwv 349 Midland, Texas 79706 Fax 432.522.2180

The Two Marks 36 St. #004 SWD is located approximately thirty-three (33) miles Phone 432.522.2/33 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

OKLAHOMA CITY 7700 North Hudson Avenue Suite 10 Oklahoma City, Oklahoma 73116 Phone 405,486,7030 Fax 806.467.0622

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 400-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. The referenced groundwater data is presented in Appendix II.

>1000°

SAN ANTONIO 13111 Lookout Way San Antonio, Texas 78233 Phone 210,265,8025 Fax 210.568.2191

The ranking for this site is **0** Based on the following:

>100' Depth to ground water

Wellhead Protection Area >1000°

**ENVIRONMENTAL CONSULTING** Distance to surface water body

**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

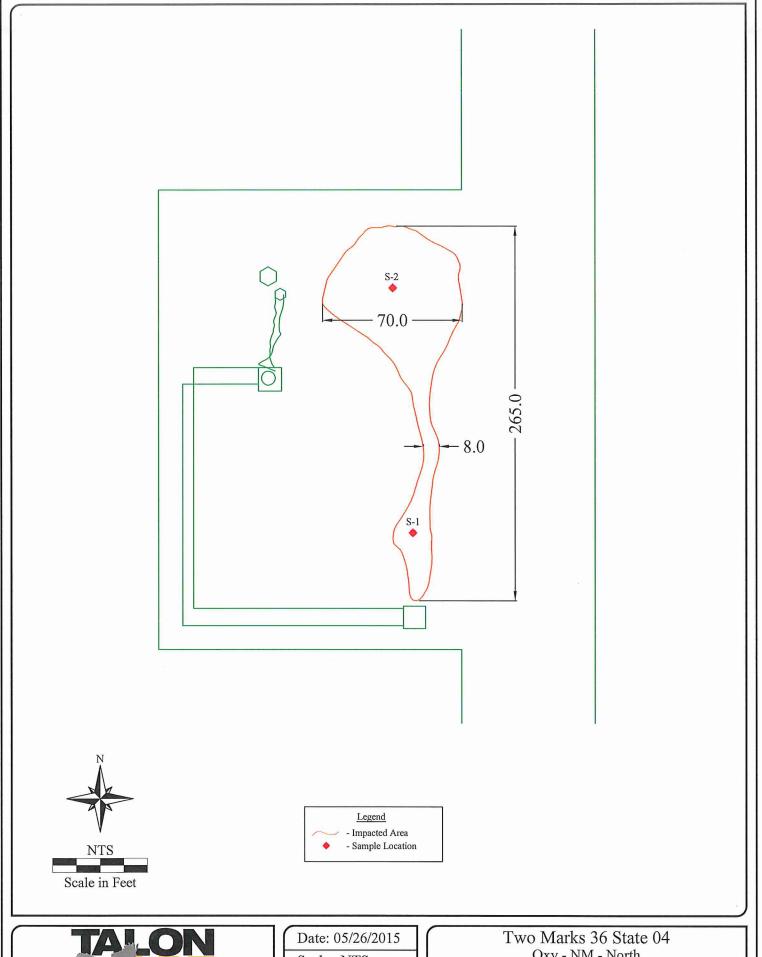
Sheldon L. Hitchcock

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

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD

Sub-

QQQ

Depth Depth Water Well Water Column

**POD Number** C 02428

Code basin County 64 16 4 Sec Tws Rng

551426

Distance 450

4 2 1 12 22S 24E

3586017\*

2249

400

Average Depth to Water:

400 feet

Minimum Depth:

400 feet

Maximum Depth:

400 feet

Record Count: 1

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

State of New Mexico Energy Minerals and Natural Resources

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

APR 29 2015

Form C-141 Revised August 8, 2011

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

Santa Fe, NM 87505

Release Notificat	ion and Corrective Action
NAB 1512 154316	OPERATOR   Initial Report   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 Own	er: API No.: 30-015-34833
LOCATI	ON OF RELEASE
Unit Letter Section Township Range Feet from the No	orth/South Line Feet from the East/West Line County
O 36 218 24E 670' So	uth 1905' East Eddy
Latitude 32.43010	2 N Longitude103,454029 W
NATUE	RE OF RELEASE
Type of Release: Produced Water	Volume of Release: 10 bbls Volume Recovered: 0 bbls
Source of Release: 4" Steel Line Lenk	Date and Hour of Occurrence Date and Hour of Discovery
Was Immediate Notice Given?	3/30/2015 If YES, To Whom?
☐ Ycs ☒ No ☐ Not Requir	red
By Whom?	Date and Hour:
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
□ Ycs ⊠ 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.	I area was on location only measuring approximately 60' x 80'. Talon/LPE was
contracted to perform initial site assessment and soil sampling act	ivities.
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	se notifications and perform corrective actions for releases which may endanger y the NMOCD marked as "Final Report" does not relieve the operator of liability
should their operations have failed to adequately investigate and reme	diate contamination that pose a threat to ground water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 repo	rt does not relieve the operator of responsibility for compliance with any other
federal, state, or local laws and/or regulations.	
Chris Jones Chris Chris Jones Chris	OIL CONSERVATION DIVISION
Signature: (Sept. 2015.04.28 15:48:06	
//0500°	Approved by Environmental Specialist:
Printed Name: Chris Jones	
Title: HES Specialist	Approval Date: 5 115 Expiration Date: NA
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:
Date: 4/28/2015 Phone: 575-628-4121	Hemediation per O.C.D. Rules & Guidolines
* Attach Additional Sheets If Necessary	LATER THAN: 41115
	2KP-297

### 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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.

Celeg 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:

70060843701

Sampling Date:

04/29/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Location:

**EDDY** 

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	Qualifie
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 (PID	108 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	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	Qualifie
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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.3	% 52.1-17	6						

### Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keene



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:

Cool & Intact

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 (PID	107 %	61-154	t e						
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	96.1 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	93.1 9	% 52.1-17	6						

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Celeg D. Keene



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 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location:

**EDDY** 

### Sample ID: S - 1 1.5 ' (H501128-03) BTFX 8021B

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	4						
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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.2	52.1-170	5						

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Celeg & Kreene



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

Fax To:

(575) 745-8905

Received:

04/30/2015

Sampling Date:

04/29/2015

Reported:

05/07/2015

Sampling Type:

Soil

TWO MARKS 36 STATE 4

Sampling Condition:

Cool & Intact

Project Name: Project Number:

70060843701

Sample Received By:

Jodi Henson

Project Location:

**EDDY** 

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

BTEX 8021B	mg/l	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	109 %	61-154	ķ						
Chloride, SM4500CI-B	mg/l	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				9	
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 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	82.9 %	6 52.1-17	6						

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\*=Accredited Analyte

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Celey D. Kreene



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:

70060042704

70060843701

EDDY

Sampling Date:

Sampling Type:

04/29/2015 Soil

Sampling Type.
Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

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	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	% 47.2-15	7	-					
Surrogate: 1-Chlorooctadecane	85.5	% 52.1-17	6						

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\*=Accredited Analyte

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Celey D. Keine



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:

Cool & Intact

Sample Received By:

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	7			-			
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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	80.3	% 52.1-17	6						

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\*=Accredited Analyte

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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:

70060843701

**EDDY** 

Sampling Date:

Sample Received By:

04/29/2015 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Jodi Henson

Project Location:

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, SM4500CI-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	93.4	% 47.2-157	7			7			
Surrogate: 1-Chlorooctadecane	86.7	% 52.1-170	í						

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Celeg & Kreene



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: Sampling Condition: Soil

Sample Received By:

Cool & Intact

Jodi Henson

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

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	05/05/2015	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 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	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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.3	% 52.1-17	6						

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Celeg & Keene



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:

Cool & Intact

Sample Received By:

Jodi Henson

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

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	103 %	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	512	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	87.7 %	6 47.2-152	7						
Surrogate: 1-Chlorooctadecane	82.5 %	6 52.1-170	5						

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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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Celey & Keens



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		B/E-10			ANALYSIS REQUEST
Project Manager: () Adk, 45		P.O. #:			
Address: 408 W. Texas Ave.		Company: OXH	١.		
city: Artesia st	State: NM zip: 88210	Attn: Chis Jone	165		
-746-8768	Fax #: 575-746-8905				
Project #: 700 608 4 37 01 Pro	Project Owner: CZ4	City:			/ <u>e</u> s
1 ks 36		State: Zip:			
		Phone #:			0.1
Sampler Name:	520	Fax #:			hi
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	ត់		
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ند	`	7.29-18		١	`
نع	`	· 4-29.15	1:28 /	\	`
78-22	\	1 429.18	1:31 -	,	`
3.23	`	1 4.29-15	1:40 /	\	`
9 S. C 4 Refuse		· 4.27-13	1:49 -	`	`
PLEASE NOTE: Linklift and Damagne, Continuits linklift, and pleases were					
analyses. All claims including those for nepigence and any other cases whatever stall be deemed whole unless that which the state of the amount paid by the client for the service. In no went shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	attoever shall be deemed walved unless made in writing and family and family when the walved unless made in writing and family and family without limitation, business interruptions, it	or rort, snau so united to the amount paid received by Cardinal within 30 days after ones of use, or loss of profits incurred by clining the control of the	by the client for the completion of the applicable ont, its subsidiaries,	ä	
Relinquished By: Phone Resi	Pare: Received By:	)	i <del>,</del>		
	Time:			□ Yes □ No	Add'l Fax #:
Resinquished By: Date:	e: Received By:	de	Wo# 015648866	28 95 65	
Time:			Project 1126429	6229	
Delivered By: (Circle One)		CHECKED BY:	145k 01040502	40502	
Sampler - UPS - Bus - Other:	5.40c Tyes Tyes	(Sighter	Liaz Newold	4107	