



May 6, 2015

Ms. Heather Patterson

NMOCD District 2

811 S. 1st Street
Artesia, NM 88210

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

Subject: **Soil Assessment and Remediation Work Plan (REVISED)**

Oxy Permian, LTD
Government U Com #001
API #: 30-015-21020
Lease No. NM-17101

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

Dear Ms. Patterson

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

Oxy Permian (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

The Government U Com #001 is located approximately thirty-three (33) miles southeast of Artesia, New Mexico. The legal location for this location is Unit Letter G, Section 22, Township 20 South and Range 38 East in Eddy County, New Mexico. More specifically the latitude and longitude for this release are 32.560936 North and -104.1634124 West. A site plan is presented in [Appendix I](#).

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

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 Reeves-Gypsum land complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of older alluvial deposits from upland plains and piedmont areas. Drainage courses in this area are normally dry. Ground water in the project vicinity is less than 50-feet bgs according to the 2006 Chevron Texaco Ground Water Trend Map See [Appendix II](#) for the referenced groundwater data.

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

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

Depth to ground water	>100'
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

The stuffing box lost pressure causing a release of approximately 5bbls of oil. No fluids were recovered. The well was shut-in, the stuffing box was repaired and the well was put back into service. The stuffing box release resulted in a pooling area in the vicinity of the pump jack and a light overspray on the closed reserve pit to the north of the well. Two Micro-Blaze applications were applied to the overspray area as part of the initial spill response activities. Talon mobilized personnel to conduct an initial site assessment and soil sampling utilizing a hand auger, taking care not to disturb the pit area. Upon receipt of laboratory results from the initial soil sampling event it was determined that further vertical delineation would be required at sample location S-2. A backhoe was utilized to fully delineate the extent of the impacted at S-2. 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	246	2400	7600	31400
S-1	1	62.5	80	814	1970
S-1	2	0.8	576	ND	28
S-2	0	94.7	3880	3200	27600
S-2	1	340	336	8670	10400
S-2	2	275	576	3130	6730
S-2	3	ND	--	ND	ND
S-2	4	ND	--	ND	ND
S-2	5	ND	--	ND	ND

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **20**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 100 mg/kg for TPH and 1,000 mg/kg for chloride.

Proposed Remedial Actions


- The impacted area in the vicinity of sample location S-1 will be excavated to a depth of 2-feet bgs.
- The impacted area in the vicinity of sample location S-2 will be excavated to a depth of 3-feet bgs, without disturbing the pit area.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated area will be backfilled with caliche to match the surrounding location.

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

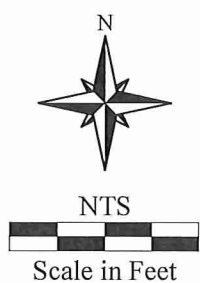
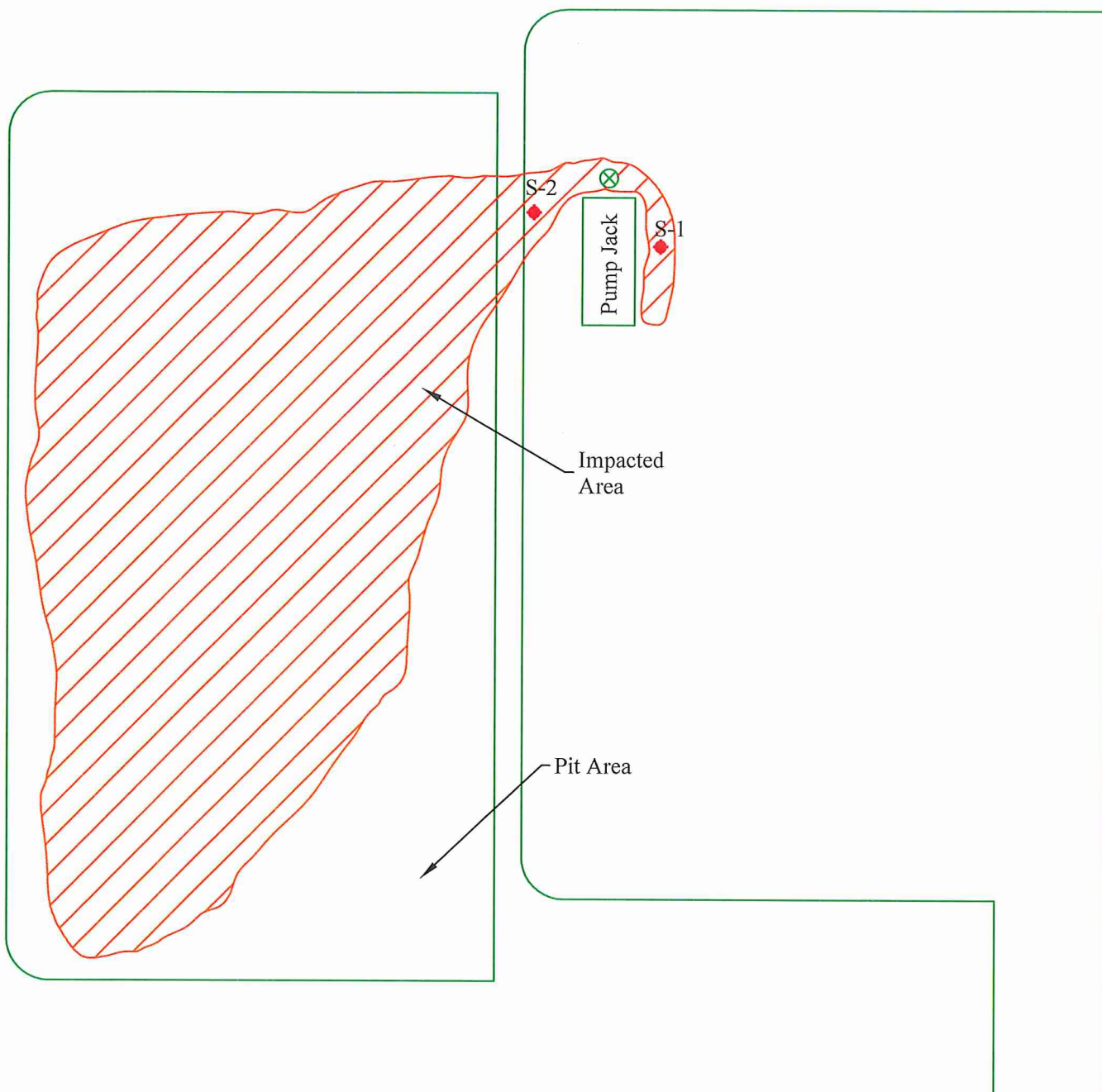
Respectfully submitted,

TALON/LPE


Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Date: 04/30/2015

Scale: NTS

Drawn By: TJS

Government U Com #1
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 Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00525			ED	3	2	1	14	20S	28E	579656	3604847*	2225	171	140	31
CP 00920			ED	2	4	1	33	20S	28E	576627	3599766*	3690	47	29	18
CP 00923			ED	2	4	1	33	20S	28E	576627	3599766*	3690	57	28	29
CP 00921			ED	2	3	1	33	20S	28E	576223	3599763*	3917	52	30	22
CP 01190 POD1			ED	2	2	4	08	20S	28E	575860	3605788	3924	113	59	54
CP 00919			ED	2	1	3	33	20S	28E	576228	3599359*	4247	24		
C 03269 POD1		CUB	ED	3	4	1	36	20S	28E	581268	3599609*	4291	28	22	6
CP 00671			ED		1	3	33	20S	28E	576129	3599260*	4384	70	35	35
CP 00922			ED	2	3	3	33	20S	28E	576233	3598956*	4588	47	27	20
C 03525 POD2		C	ED	2	2	2	02	21S	27E	579676	3598362	4698	29	20	9
C 03525 POD1		C	ED	1	1	1	01	21S	27E	579702	3598362	4705	31	20	11
C 03525 POD4		C	ED	1	1	1	01	21S	27E	579728	3598362	4711	29		
C 03525 POD3		C	ED	1	1	1	01	21S	27E	579728	3598332	4741	30		
CP 01201 POD1			ED	2	2	1	18	20S	29E	582983	3605121	4957	119	49	70

Average Depth to Water: **41 feet**

Minimum Depth: **20 feet**

Maximum Depth: **140 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

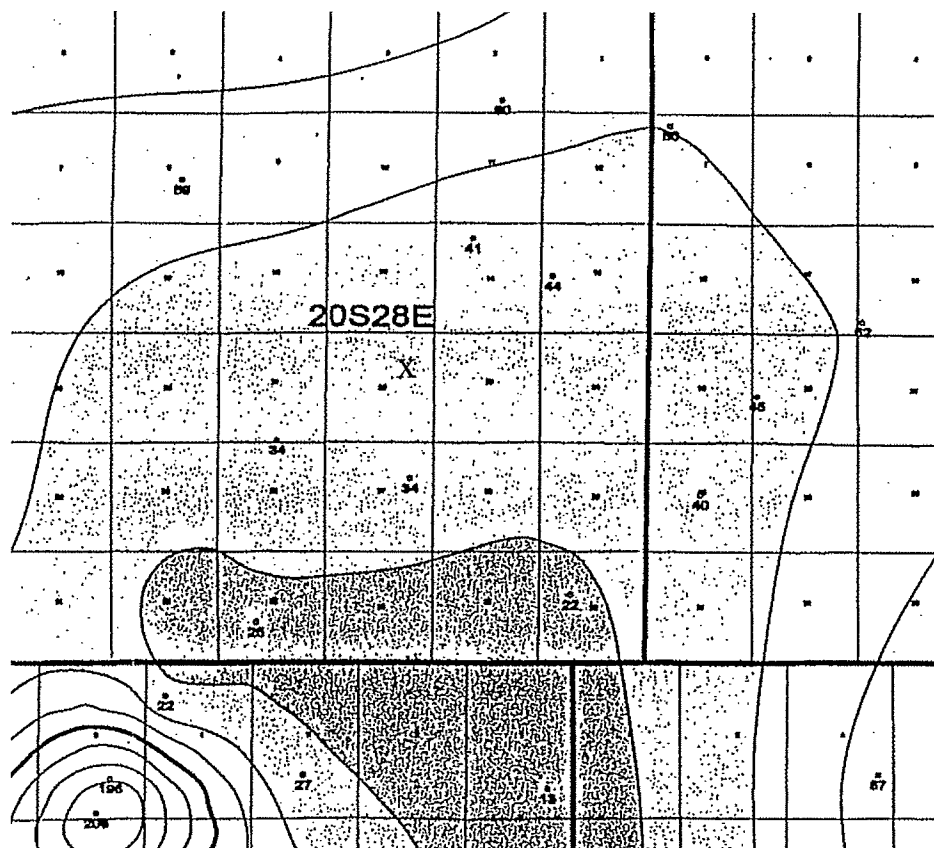
Easting (X): 578539.62

Northing (Y): 3602922

Radius: 5000

*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.



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.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: OXY USA WTP Limited Partnership	Contact: Chris Jones	
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121	
Facility Name: Government U Com #1	Facility Type: Well	
Surface Owner: Federal	Mineral Owner:	API No.: 30-015-21020 Lease No.: NM-17101

LOCATION OF RELEASE

Unit Letter G	Section 22	Township 20S	Range 28E	Feet from the 1980'	North/South Line North	Feet from the 1980'	East/West Line East	County Eddy
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Latitude **32.560936 N** Longitude **-104.1634124 W**

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 5 bbls Oil	Volume Recovered: 0 bbls
Source of Release: Stuffing Box	Date and Hour of Occurrence 3/15/2015	Date and Hour of Discovery 3/15/2015 12:00
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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: **The stuffing box lost pressure causing a release of 5 barrels of oil. No fluids were recovered. The well was shut-in, the stuffing box repaired and the well was put back into service.**

Describe Area Affected and Cleanup Action Taken.* **The majority of the spill remained on the location around the wellhead with overspray on the old reserve pit measuring approximately 80' x 90'. Talon/LPE was contracted to perform an initial site assessment and soil sampling.**

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:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chris Jones	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3/27/2015	Phone: 575-628-4121		

* Attach Additional Sheets If Necessary

LABORATORY RESULTS

March 31, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: GOVERNMENT U COM # 1

Enclosed are the results of analyses for samples received by the laboratory on 03/26/15 15:14.

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

Analytical Results For:

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

Received:	03/26/2015	Sampling Date:	03/26/2015
Reported:	03/31/2015	Sampling Type:	Soil
Project Name:	GOVERNMENT U COM # 1	Sampling Condition:	Cool & Intact
Project Number:	700608.432.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S- 1 0 ' (H500812-01)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/30/2015	ND	2.03	102	2.00	6.28	
Toluene*	46.3	5.00	03/30/2015	ND	1.89	94.4	2.00	4.99	
Ethylbenzene*	12.5	5.00	03/30/2015	ND	1.83	91.3	2.00	7.34	
Total Xylenes*	187	15.0	03/30/2015	ND	5.54	92.3	6.00	8.30	
Total BTEX	246	30.0	03/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/27/2015	ND	400	100	400	3.92	

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	7600	100	03/30/2015	ND	192	96.2	200	1.47		
DRO >C10-C28	31400	100	03/30/2015	ND	204	102	200	5.54		

Surrogate: 1-Chlorooctane 553 % 47.2-157

Surrogate: 1-Chlorooctadecane 712 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/26/2015
Reported: 03/31/2015
Project Name: GOVERNMENT U COM # 1
Project Number: 700608.432.01
Project Location: NOT GIVEN

Sampling Date: 03/26/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 1 1' (H500812-02)

BTEX 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	03/30/2015	ND	2.03	102	2.00	6.28	
Toluene*	12.2	1.00	03/30/2015	ND	1.89	94.4	2.00	4.99	
Ethylbenzene*	2.96	1.00	03/30/2015	ND	1.83	91.3	2.00	7.34	
Total Xylenes*	47.4	3.00	03/30/2015	ND	5.54	92.3	6.00	8.30	
Total BTEX	62.5	6.00	03/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/27/2015	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	814	10.0	03/30/2015	ND	192	96.2	200	1.47		
DRO >C10-C28	1970	10.0	03/30/2015	ND	204	102	200	5.54		

Surrogate: 1-Chlorooctane 167 % 47.2-157

Surrogate: 1-Chlorooctadecane 135 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: GOVERNMENT U COM # 1
 Project Number: 700608.432.01
 Project Location: NOT GIVEN

 Sampling Date: 03/26/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S- 1 2 ' (H500812-03)

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	03/30/2015	ND	2.03	102	2.00	6.28	
Toluene*	0.177	0.050	03/30/2015	ND	1.89	94.4	2.00	4.99	
Ethylbenzene*	<0.050	0.050	03/30/2015	ND	1.83	91.3	2.00	7.34	
Total Xylenes*	0.626	0.150	03/30/2015	ND	5.54	92.3	6.00	8.30	
Total BTX	0.803	0.300	03/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/27/2015	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	03/30/2015	ND	192	96.2	200	1.47	
DRO >C10-C28	28.0	10.0	03/30/2015	ND	204	102	200	5.54	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 114 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/26/2015
Reported: 03/31/2015
Project Name: GOVERNMENT U COM # 1
Project Number: 700608.432.01
Project Location: NOT GIVEN

Sampling Date: 03/26/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 2 0 ' (H500812-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/30/2015	ND	2.03	102	2.00	6.28	
Toluene*	12.1	2.00	03/30/2015	ND	1.89	94.4	2.00	4.99	
Ethylbenzene*	4.12	2.00	03/30/2015	ND	1.83	91.3	2.00	7.34	
Total Xylenes*	78.5	6.00	03/30/2015	ND	5.54	92.3	6.00	8.30	
Total BTEX	94.7	12.0	03/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 122 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	03/27/2015	ND	416	104	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	3200	100	03/30/2015	ND	192	96.2	200	1.47		
DRO >C10-C28	27600	100	03/30/2015	ND	204	102	200	5.54		


Surrogate: 1-Chlorooctane 162 % 47.2-157

Surrogate: 1-Chlorooctadecane 789 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/26/2015
Reported: 03/31/2015
Project Name: GOVERNMENT U COM # 1
Project Number: 700608.432.01
Project Location: NOT GIVEN

Sampling Date: 03/26/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 2 1 ' (H500812-05)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.09	5.00	03/30/2015	ND	2.03	102	2.00	6.28	
Toluene*	80.5	5.00	03/30/2015	ND	1.89	94.4	2.00	4.99	
Ethylbenzene*	13.8	5.00	03/30/2015	ND	1.83	91.3	2.00	7.34	
Total Xylenes*	241	15.0	03/30/2015	ND	5.54	92.3	6.00	8.30	
Total BTEX	340	30.0	03/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/27/2015	ND	416	104	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	8670	100	03/30/2015	ND	192	96.2	200	1.47	
DRO >C10-C28	10400	100	03/30/2015	ND	204	102	200	5.54	

Surrogate: 1-Chlorooctane 265 % 47.2-157

Surrogate: 1-Chlorooctadecane 260 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: GOVERNMENT U COM # 1
 Project Number: 700608.432.01
 Project Location: NOT GIVEN

 Sampling Date: 03/26/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S- 2 2 ' (H500812-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/30/2015	ND	2.03	102	2.00	6.28	
Toluene*	45.6	2.00	03/30/2015	ND	1.89	94.4	2.00	4.99	
Ethylbenzene*	11.9	2.00	03/30/2015	ND	1.83	91.3	2.00	7.34	
Total Xylenes*	217	6.00	03/30/2015	ND	5.54	92.3	6.00	8.30	
Total BTEX	275	12.0	03/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/27/2015	ND	416	104	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	3130	100	03/30/2015	ND	192	96.2	200	1.47		
DRO >C10-C28	6730	100	03/30/2015	ND	204	102	200	5.54		

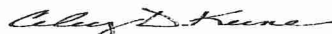
Surrogate: 1-Chlorooctane 267 % 47.2-157

Surrogate: 1-Chlorooctadecane 233 % 52.1-176

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* = 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

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* = Accredited Analyte

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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

Company Name: Talon/LPE		P.O. #:		BILL TO																	
Project Manager: D. Adkins		Company: Oxy		ANALYSIS REQUEST																	
Address: 408 W. Texas Ave.		Attn:																			
City: Artesia		State: NM Zip: 88210																			
Phone #: 575-746-8768		Fax #: 575-746-8905																			
Project #: 700608.432.01		Project Owner: Oxy																			
Project Name: Government U Com #1		State: Zip:																			
Project Location:		Phone #:																			
Sampler Name: S. Hitchcock		Fax #:																			
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	Chloride				
H500818	5-10'	G-1	1										3/26/15	8:55	/	/	/				
	5-11'	G-1	1											9:00	/	/	/				
	5-12'	G-1	1											9:05	/	/	/				
	5-20'	G-1	1											9:15	/	/	/				
	5-21'	G-1	1											9:17	/	/	/				
	5-22'	G-1	1											9:20	/	/	/				
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Relinquished By: <u>Stedden N. Nix</u>		Date: <u>3-26-15</u>		Time: <u>15:14</u>		Received By: <u>Shirley</u>		Date: <u>3-26-15</u>		Time: <u>15:14</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: <u>56270074</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: <u>01040502</u>		REMARKS:	
Delivered By: (Circle One)		Sample Condition		Cool		Intact		CHECKED BY: (Initials)													
Sampler - UPS - Bus - Other:		<u>4.60c</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<u>4.60c</u>													

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

April 24, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: GOVERNMENT U COM # 1

Enclosed are the results of analyses for samples received by the laboratory on 04/21/15 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/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

Analytical Results For:

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

Received: 04/21/2015
Reported: 04/24/2015
Project Name: GOVERNMENT U COM # 1
Project Number: 700608.432.01
Project Location: G-22-20-28

Sampling Date: 04/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 3' (H501038-01)

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	04/22/2015	ND	2.13	106	2.00	0.0278	
Toluene*	<0.050	0.050	04/22/2015	ND	1.90	95.2	2.00	0.400	
Ethylbenzene*	<0.050	0.050	04/22/2015	ND	1.81	90.3	2.00	0.992	
Total Xylenes*	<0.150	0.150	04/22/2015	ND	5.72	95.4	6.00	1.48	
Total BTEX	<0.300	0.300	04/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 61-154

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	04/22/2015	ND	200	99.9	200	5.98	
DRO >C10-C28	<10.0	10.0	04/22/2015	ND	214	107	200	9.62	

Surrogate: 1-Chlorooctane 95.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.3 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/21/2015
 Reported: 04/24/2015
 Project Name: GOVERNMENT U COM # 1
 Project Number: 700608.432.01
 Project Location: G-22-20-28

 Sampling Date: 04/21/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-2 4' (H501038-02)

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	04/22/2015	ND	2.13	106	2.00	0.0278		
Toluene*	<0.050	0.050	04/22/2015	ND	1.90	95.2	2.00	0.400		
Ethylbenzene*	<0.050	0.050	04/22/2015	ND	1.81	90.3	2.00	0.992		
Total Xylenes*	<0.150	0.150	04/22/2015	ND	5.72	95.4	6.00	1.48		
Total BTEX	<0.300	0.300	04/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 61-154

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	04/22/2015	ND	200	99.9	200	5.98		
DRO >C10-C28	<10.0	10.0	04/22/2015	ND	214	107	200	9.62		

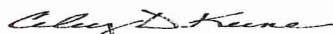
Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.6 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2015
Reported: 04/24/2015
Project Name: GOVERNMENT U COM # 1
Project Number: 700608.432.01
Project Location: G-22-20-28

Sampling Date: 04/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 5' (H501038-03)

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	04/22/2015	ND	2.13	106	2.00	0.0278	
Toluene*	<0.050	0.050	04/22/2015	ND	1.90	95.2	2.00	0.400	
Ethylbenzene*	<0.050	0.050	04/22/2015	ND	1.81	90.3	2.00	0.992	
Total Xylenes*	<0.150	0.150	04/22/2015	ND	5.72	95.4	6.00	1.48	
Total BTX	<0.300	0.300	04/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154

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	04/22/2015	ND	200	99.9	200	5.98	
DRO >C10-C28	<10.0	10.0	04/22/2015	ND	214	107	200	9.62	


Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

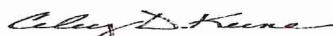
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Caley 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

Company Name: Talon/LPE		P.O. #: 0000		BILL TO		ANALYSIS REQUEST																							
Project Manager: D. Adkins		Company: Talon/LPE																											
Address: 408 W. Texas Ave.		Attn:																											
City: Artesia		State: NM Zip: 88210																											
Phone #: 575-746-8768		Fax #: 575-746-8905																											
Project #: 708609, 432, 01		Project Owner: Oxy																											
Project Name: Government & Com #1		City:																											
Project Location: G-22-20-28		State:																											
Sample Name: S. Hittcock		Phone #:																											
FOR LAB USE ONLY		Fax #:																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
H501038		1		1		1		GROUNDWATER						DATE		TIME		TPH											
2		5-2 3'		6-1		1		WASTEWATER						4/24/15		8:30		BTAX											
3		5-2 4'		6-1		1		SOIL						9:40		9:02													
4		5-2 5'		6-1		1		OIL																					
5								SLUDGE																					
6								OTHER :																					
7								ACID/BASE:																					
8								ICE / COOL																					
9								OTHER :																					
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Relinquished By: Shelby Jones Date: 4/21/15 Received By: Debi Stever Time: 3:35

Delivered By: (Circle One) 5:42 Sample Condition: Intact Checked By: [Signature]

Sampler - UPS - Bus - Other: UPS

REMARKS: OP: 56270074
PN: 1128416
TSR: 01040502
ELC: 2019

Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #:
Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #:

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