

April 28, 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.

Phone 575.746.8768 Fax 575.746.8905

Artesia, New Mexico 88210

ARTESIA

MIDLAND 2901 State Hwy 349

Midland, Texas 79706

Phone 432.522.2133

Fax 432.522.2180

OKLAHOMA CITY

Phone 405.486.7030

Fax 806.467.0622

7700 North Hudson Avenue

Oklahoma City, Oklahoma 73II6

811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan

Oxy Permian, LTD Government U Com #001 API#: 30-015-21020

Lease No. NM-17101

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

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.

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 approximately 140-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See Appendix II for the referenced groundwater data.

13111 Lookout Way San Antonio, Texas 78233 Phone 210, 265, 8025

Fax 210.568,2191

SAN ANTONIO

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

>100' Depth to ground water Wellhead Protection Area >1000° >1000° Distance to surface water body

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 **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 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

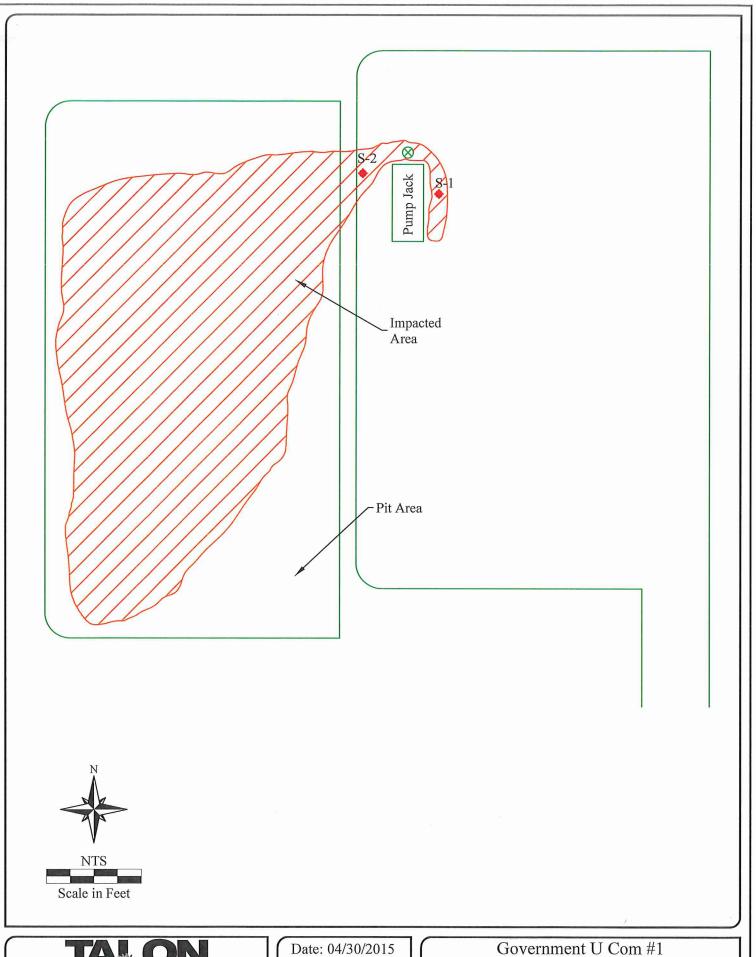
Sheldan Huerr

Project Manager

David J. Adkins

District Manager

SITE PLAN





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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD

closed)

Sub-QQQ

Depth Depth Water Distance Well Water Column

POD Number CP 00525

Code basin County 64 16 4 Sec Tws Rng 3 2 1 14 20S 28E

579656

3604847*

2229 140

Average Depth to Water:

140 feet

Minimum Depth:

140 feet

Maximum Depth:

140 feet

Record Count: 1

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 578541

Northing (Y): 3602916

Radius: 2500

*UTM location was derived from PLSS - see Help

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

Form C-141
Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rel	ease Notifi	catio	n and Co	orrective A	ction	l			
						OPERA'	TOR			al Report		Final Report
Name of C	ompany: O	XY USA W	TP Lim	ited Partnersh	ip	Contact: C	hris Jones					
Address: 1	02 S. Mair	1 St. Carlsb	ad, NM	88220			No.: 575-628-4 1	121				
Facility Na	me: Gover	nment U Co	om #1			Facility Typ	e: Well					
Surface Ov	vner: Feder	¹al		Mineral	Owner				API No	o.: 30-015-2	21020)
	, 1101 / 11 0 11 0 1	. •••								No.: NM-1		
				LOC	ATIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/V	Vest Line	County		
G	22	20S	28E	1980'	Nort	h	1980'	East		Eddy		
							-104.1634124	w				
				NA'	TURE	E OF REL						
Type of Rel							Release: 5 bbls			Recovered: (
Source of R	elease: Stuff	ing Box				3/15/2015	Hour of Occurrence	ce	Date and 3/15/201:	Hour of Dis	cover	У
Was Immed	iate Notice (Given?		· · · · ·		If YES, To			3/13/201.	3 12.00		
,,,,,,			Yes [] No 🛛 Not F	Required							
By Whom?						Date and I						41-24
Was a Watercourse Reached? Yes No Date and Hour. If YES, Volume Impacting the Watercourse.												
If a Waterco	urse was Im	pacted, Descr	ribe Fully.	*								
Describe Ca	use of Probl	em and Reme	dial Actic	on Taken: The	stuffing	g box lost pr	essure causing	a relea	se of 5 ba	rrels of oi	. No	fluids were
							back into service					
							ained on the loc perform an initia					
L hereby cer	tify that the	ng approxim	iven abov	e is true and com	nlete to	the best of my	knowledge and i	understa	nd that pur	suant to NM	OCD	rules and
regulations	all operators	are required t	to report a	nd/or file certain	release	notifications a	and perform corre	ctive act	ions for rel	eases which	may	endanger
public healt	h or the envi	ronment. The	e acceptan	ce of a C-141 rep	port by t	he NMOCD n	narked as "Final F	Report" d	loes not rel	ieve the ope	rator o	of liability
should their	operations h	nave failed to	adequately	y investigate and	remedia	ate contaminat	ion that pose a the	reat to g	round wate	r, surface w	ater, h	uman health
		ws and/or regi		ptance of a C-14	i report	does not rene	ve the operator of	respons	ibility for c	omphance v	villi ai	ny omei
Todorai, state	o, or rocur ru	TO GITCH OF TOB	uiuiioiio.			A A A A A A A A A A A A A A A A A A A	OIL CON	SERV	ATION	DIVISIO	N	
Signature:							7					
Printed Nan	ne: Chris Jo	nes				Approved by	Environmental S	Specialis	t: 			
Title: HES	Specialist					Approval Da	ite:		Expiration	Date:		
		opher.Jones@	may com		<u> </u>	Conditions of	of Approval:					
L-man Add	Coo. CHIISU	opner somest	gory.com			Conditions	ipprovai.			Attached	ı 📋	
Date: 3/27	/2015		Phone: 5	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/ga/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:

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

Project Location:

NOT GIVEN

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	124 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	2400	16.0	03/27/2015	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d 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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	712	% 52.1-17	'6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene



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

Received: Reported: 03/26/2015

03/31/2015

GOVERNMENT U COM # 1

Project Name: 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	Analyze	d 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 (PID	104	% 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	80.0	16.0	03/27/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d 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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	135	% 52.1-17	'6						

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Celey D. Keene



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:

Project Location:

700608.432.01

NOT GIVEN

Sampling Date:

03/26/2015 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

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	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 BTEX	0.803	0.300	03/30/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	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	576	16.0	03/27/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d 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 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	114 9	% 52.1-17	6						

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

Received: Reported: 03/26/2015

03/31/2015

Project Name:

GOVERNMENT U COM # 1

Project Number:

700608.432.01 Project Location: NOT GIVEN

Sampling Date:

Sampling Type:

03/26/2015

Sampling Condition:

Soil

Sample Received By:

Cool & Intact

Jodi Henson

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

BTEX 8021B	mg/	kg	Analyze	d 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 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	3880	16.0	03/27/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d 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 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	789	% 52.1-17	6						

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

Received: Reported: 03/26/2015

03/31/2015

GOVERNMENT U COM # 1

Project Name: Project Number: Project Location:

700608.432.01 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	Analyze	d 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 (PIL	112 5	% 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	336	16.0	03/27/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d 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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	260	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg to treene



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

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: Sample Received By: Cool & Intact

Jodi Henson

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

Received:

BTEX 8021B	mg,	/kg	Analyze	d 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	ı						940
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	233	% 52.1-17	6						

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Celeg D. Keene

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE	Talon/LPE			BILL TO	0		ANALYSIS REQUEST	
Project Manager: D. Adkins	D. Adkins			P.O. #:				
Address: 408 V	Address: 408 W. Texas Ave.			Company: Oxy				
city: Artesia		State: NM zip: 88210	88210	Attn:				
Phone #: 575-746-8768		Fax #: 575-746-8905	-8905	Address:				
Project #: 700608.432.01		Project Owner: OXY	Q.	City:				
Project Name: G	Project Name: Government U Com #1	om #1		State: Zip:				
Project Location:	1	1		Phone #:		_		
Sampler Name: S. Hitchcock	3. Hitchcock			Fax #:				
FOR LAB USE ONLY			MATRIX	PRESERV. SA	SAMPLING	2		
Lab I.D.	Sample I.D.	S)RAB OR (C)OMP.	CONTAINERS ROUNDWATER //ASTEWATER OIL IL LUDGE	THER: CID/BASE: CE / COOL THER:		BTEX Chloride		
7 (7 0'	ዓ		/ 3	126/15 8:55			
d	, 11-5	9			2 8 4	7		
3	5-1-2	٩	/	/	7 3014			
7	02-5	G	/,		4115/	/		
n	, 12-5	G		/	4:17	///		
6	5-22	G			4:20	///		
-								
PLEASE NOTE: Liability and analyses. All claims including	PLEASE NOTE: Lability and Damages. Cardina's lability and client's exclusive remedy for any claim arising whether based in contract or tot, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatboever shall be deemed waved unless made in writing and received by Cardinal whin 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatboever shall be deemed waved unless made in writing and received by Cardinal whin 30 days after completion of analyses. All claims including those for negligence and any other cause whatboever shall be deemed waved unless made in writing and received by Cardinal waved completions.	is exclusive remedy for any clair use whatsoever shall be deemed ental damages, including without	n arising whether based in contra I waived unless made in writing at I limitation, business interruptions	t or tort, shall be limited to the and received by Cardinal within 30 of loss of profits incu-	ount paid by the client for the days after completion of the a med by client, its subsidiaries	pplicable		
official excessions of suppressions	ease 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.	earning hereimter by Cardinal	recombless of whether such claim	is based upon any of the above s	tated reasons or otherwise.			

Sample Condition
Cool Intact
Ves Pres
No No

CMECKED BY: (Mitials)

Tsk: 01040502 Ele: 2019 OP: 56270074 Prj: 1128416

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Time:

Received By:

Phone Result:
Fax Result:
REMARKS:

☐ Yes ☐ No Add'I Phone #:

affiliates or successors arising out of or related to the performance Relinquished By:



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.qov/field/ga/lab accredited 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

Reported: 04/24/2015

Project Name: GOVERNMENT U COM # 1

04/21/2015

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)

Received:

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	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 (PIL	116 9	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: MS		9			
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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	92.3	% 52.1-17	6						

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:

04/21/2015

Reported: Project Name:

04/24/2015 GOVERNMENT U COM # 1

Project Number:

700608.432.01

Project Location:

G-22-20-28

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

04/21/2015

Jodi Henson

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

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	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 (PIL	113 %	6 61-154							
TPH 8015M	mg/	kg	Analyze	d 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 %	6 47.2-15	7		_				
Surrogate: 1-Chlorooctadecane	98.69	6 52.1-17	6						

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Celey D. Keine



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

Received:

04/21/2015

Reported:

04/24/2015

Project Name:

GOVERNMENT U COM # 1

Project Number: Project Location: 700608.432.01 G-22-20-28

Sampling Date:

04/21/2015

Sampling Type: Sampling Condition: Soil

Sample Received By:

Cool & Intact Jodi Henson

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

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	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 (PIL	114 9	% 61-154							
TPH 8015M	mg/	'kg	Analyze	d 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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Celeg D. Keine



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 & Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		BILL TO	And the state of t	ANALYSIS REQUEST	
Project Manager: D. Adh. 664		P.O.#: /7XY	and the state of t		
Address: 408 W. Texas Ave.	0	Company: Taloh/MPE			
State: NM	Zip: 88210			nacio di	
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:		A	
Project #: 700609 (437.2) Project Owner: OXY		City:			
Project Name: (+Ollern M. sut U Com #		State: Zip:			
20	J	#			
Sampler Name: 5, Hitchcock	P	Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING			
	ATER		C		
Lab I.D. Sample I.D.	ONTAIN OUNDW STEWA L	IER : D/BASE: / COOL IER :	:P# ?TE?		
ACOIDE I	# C GR WA SO OIL SLU	OTI DATE	T		
7-6	9	8 51/12/16	8:30 //		
7-2-4	-	2	9:40/		
2 4-2 5	- 8	2	1, 00.6		
PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or but, shall be limited to the amount paid by the client for the analyses. All claims including those for necligence and any other claims whether has a contract or but, shall be limited to the amount paid by the client for the	claim arising whether based in contract or t	ort, shall be limited to the amount paid by	the client for the		
inal be liable for incidental or consequental damages, out of or related to the performance of services hereur	including without limitation, business interruptions, loss of use, or loss of profits incurred by client, as substitution of the deer by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwises.	served by Cardinal within 30 days after con- of use, or loss of profits incurred by client, used upon any of the above stated reason	npletion of the applicable its subsidiaries, tor otherwise,		
Detre 2	Received By:	P _F	Phone Result:	Add'I Phone #: Add'I Fax #:	
Noble Here 118:35	1	CM JOH RE	7,2	S	
Time:	Received By:	P C	Pri: 11701111	1/4	
Delivered By: (Circle One)		CHECKED BY:	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Sampler - UPS - Bus - Other:	5.40 Cool Intact	Anitials	00000000		
			416:014		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 398/2326 Sample Condition
Cool Intact
Tyes Tyes
No No