

Mr. Mike Bratcher **NMOCD District 2** 

AMARILLO 811 S. 1st Street

921 North Bivins Amarillo. Texas 79107 Artesia, NM 88210

Phone 806.467.0607 Fax 806.467.0622 Subject:

Remedial Activities and Closure Report

Oxy Permian, LTD Winston SWD #4

API#: 30-015-30337

Artesia, New Mexico 88210 Phone 575,746,8768

ARTESIA

2RP-2870

Fax 575.746.8905

408 West Texas Ave.

Dear Mr. Bratcher

HOBBS

318 East Taylor Street Fax 575.393.4658

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform initial spill Hobbs, New Mexico 88240 response, soil assessment and remediation services at the above referenced location. Phone 575.393.4261 The incident description, soil sampling results, remediation activities and closure request are submitted herein.

2901 State Hwy 349 Midland, Texas 79706 Fax 432.522.2180

7700 North Hudson Avenue Appendix I. Suite 10 Oklahoma City, Oklahoma 73116

> SAN ANTONIO San Antonio, Texas 78233 Phone 210,265,8025

### MIDLAND Background Information

Phone 432.522.2133 The Winston SWD #4 is located approximately thirty-six (36) miles southwest of Artesia, New Mexico. The legal location for this site is Unit Letter E, Section 31, Township 21 South, and Range 24 East. More specifically the latitude and longitude OKLAHOMA CITY for the release are 32.43826 North and -104.54515 West. A site plan is presented in

Phone 405.486.7030 According to the soil survey provided by the United States Department of Agriculture Fax 806.467.0622 Natural Resources Conservation Service, the soil in this area is made up of Ector Reagan association with 0 to 9 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Paleozoic 13111 Lookout Way Age sedimentary deposits, comprised of the Guadeloupian Artesia Group, Tansil and Yates formations which are made up of residuum weathered limestone under lain by Fax 210.568.2191 very cobbly loam and hard caliches. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 90-feet below ground surface (bgs). See Appendix II for the referenced groundwater data.

The ranking for this site is **10** 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** 

Page 1 of 3

Toll Free: 866.742.0742 www.talonlpe.com

### **Incident Description**

The bull plug on the discharge line of the Reda pump failed causing a release of 30 barrels of produced water. A vacuum truck was immediately dispatched to recover standing fluids. Approximately 15 barrels of fluid were recovered. The release occurred within a 50' x 50' metal building. The fluid flowed out of a door on the east side of the building and breached the earthen berm surrounding the building and continued onto the location. No fluid left the location. The work area is illustrated on the attached site plan in Appendix I.

Due to the shallow soils and rockiness of this area refusal while sampling encountered at a depth of approximately 0.8-feet bgs. As is typical of this area no further vertical delineation is possible through the underlying rock.

### **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	1090	ND	ND
S-1	1	ND	512	ND	ND
S-2	0	ND	1120	ND	ND
S-2	1	ND	1920	ND	ND
S-3	0	ND	1070	ND	ND
S-3	0.8	ND	5840	ND	ND

### **Confirmation Sampling**

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0.5		416		
S-2	1		3080		
S-3	1		880		

(--) Analyte Not Tested

(ND) Analyte Not Detected

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

### **Remedial Actions**

- The impacted area in the vicinity of sample location S-1 was scraped to a depth of 0.5-feet bgs.
- The impacted area in the vicinity of sample locations S-2 and S-3 (within the building) was excavated to a depth of 1-foot bgs.
- Confirmation soil samples were taken and analyzed to chlorides. Due to the location of sample location S-2 (inside of a building and around infrastructure), as well as the rockiness of the area, no further excavation is feasible at this sample location. The remediation of the remaining chloride impacted at this location will have to be deferred until closure of the facility.
- The excavation was backfilled with caliche and contoured to match the surrounding location.

### Closure

On behalf of Oxy Permian, LTD we respectfully request that no further actions be required and that closure with regard to this release be granted.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE

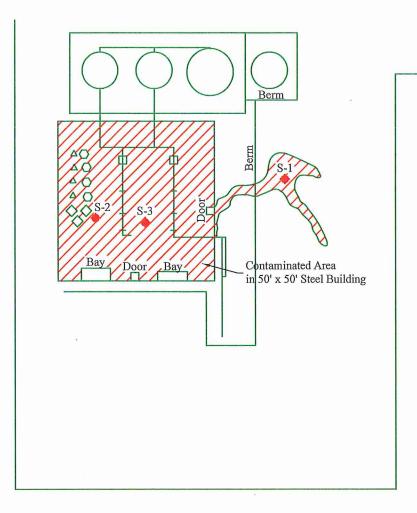
Sheldan Hitchcock

Project Manager

David J. Adkins

District Manager

## SITE PLAN





Legend

- Sample Location



Date: 04/07/2015

Scale: 1" = 30'

Drawn By: TJS

Winston SWD #4
Oxy - NM - North
Eddy County, New Mexico
Figure 1 - Site Plan

# GROUNDWATER DATA INITIAL C-141

&

FINIAL 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

**POD Number** 

Code basin County 64 16 4 Sec Tws Rng

544393

Distance Well Water Column

C 02701

ED 3 3 3 20 21S 24E

3591373\*

2905

230

140 90

Average Depth to Water:

90 feet

Minimum Depth:

90 feet

Maximum Depth:

90 feet

Record Count: 1

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 542756

Northing (Y): 3588973

Radius: 3000

\*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

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

MAR 6 2015

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

**RECEIVED** 

			Rele	ase Notific	atio	and Co	rrective A	etion				
NABI	15063	342111				OPERA:	<b>TOR</b>			ıl Report		Final Report
Name of Co	mpany: O	XY USA W		ted Partnership		Contact: Cl						
Address: 10				38220			No.: 575-628-41	21				
Facility Nar	ne: Winst	on Gas SWI	D #4	· · · · · · · · · · · · · · · · · · ·	L	Facility Typ	e: SWD		·····			
Surface Ow	ner: Fcde	al		Mineral O	wner:		***		API No	.; Lease #:	30-01	5-30337
				LOCA	TIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/\	Vest Line	County		
E	31	21S	24E	1535'	North	1	660'	West		Eddy		
			<b></b>	Latitude 32.4	3826 N	V Longitude	-104.54515 W				,	
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Type of Rele					1		Release: 30 bbl			lecovered: 1		
Source of Re	lease: Bull	Plug Broke	المسلمة	5 Regum	X		lour of Occurrenc	e		Hour of Dis	сочегу	
Was Immedi	ate Notice (	iven?				2/26/15 If YES, To	Whom?		2/26/15		·	
		_	Yes [	No 🛛 Not Re	quired	)" ""	,,,,,,,,,,					}
By Whom?						Date and I-	Iour:					
Was a Water	course Read	hed?					olume Impacting t	he Wat	crcourse.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
-		L	Yes 🗵	No				•				
of produced called to the sampling.	water. The location a	ie facility wa nd 15 barrek	s shut-in, s of produ	n Taken,*□The b the plug was rep iced water was re	laced a	and the facilied. Talon/L	ty was put back PE was contract	into se ed to p	rvice. A vi erform an	acuum truc initial site :	k was assessn	immediately nent and soil
Describe Arc	a Affected	and Cleanup	Action T	aken.* The ma	jority (	of the spill re	emained in the s	teel fac	ility under	the equip	ment.	However the
berm was be				is true and compl	lata ta t	ha hant afinis	Instanta dan anda	- 1			OCD -	
				id/or file certain re								
public health	or the envi	ronment. The	acceptane	ce of a C-141 repo	rt by th	c NMOCD m	arked as "Final R	eport" o	loes not reli	eve the ope	rator of	Cliability
should their o	operations l	ave failed to	adequately	investigate and re	emediat	e contaminati	on that pose a thr	eat to g	round water	, surface wa	ter, hu	man health
federal, state,	or local la	ws and/or regi	ilations.	dance of a C-141	report d	ioes not reliev	e the operator of	respons	ibility for o	ompliance v	vith any	y other
				Chris Jones			OIL CON	SERV	'ATION	DIVISIO	)M	
Signature:	_nris .	Jones	nall=ckjones8886 ite: 2015.03.06 0	i, t., oq, gyahoo.com, c=US 8:17:57 •06'00'					1./			
Printed Name						Approved by	Environmental S	pecialis	"t/2		4	
Title: HES S		1103				Approval Da	319116	- · T	r	- NI	1	
							·		Expiration	vate; [4]	T (	
E-mail Addre	ss: Christe	pher.Jones(a	oxy.com			Conditions o		_		Attached		
Date: 3/5/20		<u> </u>	Phone: 575	5-628-4121	rien	neciation	per O.C.D. At	iles &	Guldelii	res		
Attach Addi	tional She	ets If Necess	ary		AT	NAHT PEN	EDIATION PL	3 <b>070</b> 2	SAL NO		2R	P-28710

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

			Rele	ease Notific	atio	n and Co	rrective A	ction				
						OPERA'	ΓOR	[	Initia	al Report	$\boxtimes$	Final Report
Name of Co	ompany: O	XY USA W	TP Limi	ited Partnership	р	Contact: Cl	ris Jones					
Address: 1	02 S. Maii	n St. Carlsb	ad, NM 8	88220		Telephone N	No.: 575-628-41	.21				
Facility Na						Facility Typ						
Surface Ow	ner: Fede	ral		Mineral C	wner:	Federal			API No	.: Lease #:	30-01	5-30337
				LOCA	TIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/W	est Line	County		
E	31	218	24E	1535'	North	1	660'	West		Eddy		
		<u> </u>					*********	<u> </u>	····			
				Latitude 32 4	13826 1	N.T.ongitude	-104.54515 W	,				
						OF REL		•				
Type of Rele	ase Produ	ced Water		IMI	UILE		Release: 30 bbl		Volume D	lecovered:	5 bblo	
Source of Re							lour of Occurrence			Hour of Dis		
. Boarce of the	rease, Dan	rag Drone				2/26/15	ioui oi occurrenc		2/26/15	itour or Dia	COVCLY	
Was Immedi	ate Notice (	Given?				If YES, To	Whom?					
			Yes [	] No 🛛 Not Re	equired							
By Whom?						Date and H	lour:					
Was a Water	course Read	ched?					lume Impacting t	he Water	course.			
			Yes 🗵	] No								
If a Watanaar	unaa uuaa Ima	pacted, Descr	la a Taullar S									
of produced called to the sampling.  Describe Are	water. The location at	ne facility was nd 15 barrels and Cleanup	s shut-in, of produ Action Ta	n Taken.* The b the plug was rep ced water were n aken.* The maj	olaced a ecover	and the facilited. Talon/L	ty was put back PE was contract  nained in the sto	into serv ted to per eel buildi	rice. A variorm an	ecuum trucinitial site	ek was i	immediately nent and soil However the
from the soi	l sampling	activities Tal	on/LPE d	ility. Talon/LPE rafted a work pl c plan, collected c	an that	was subsequ	ently approved	by NMO	CD & BI	M. Talon/l	of analy LPE pe	ytical results erformed the
I hereby certifications a public health should their corthe environments.	ify that the i II operators or the envir operations h nment. In a	information gi are required to ronment. The lave failed to a addition, NMC ws and/or regu	ven above o report ar acceptance adequately OCD accep stations.	e is true and completed in the certain rece of a C-141 report investigate and restance of a C-141 received in the certain certains and restance of a C-141 received in the certain cer	lete to t elease n art by th emediat	he best of my otifications are NMOCD mate contaminati	knowledge and und perform correctarked as "Final Roon that pose a thre	nderstand tive action eport" do eat to gro	I that purs ns for rele es not reli und water	uant to NM cases which eve the ope	may en rator of ater, hur	danger liability nan health
	Chris	DN: cn	ly signed by Ch ≔Chris Jones, o :ckjones888@y:	), OU,			OIL CON	SERVA	ATION	DIVISIO	<u>N</u>	
Signature:	Jones	m, c=l										
1		-05'00'				Approved hv	Environmental Sp	necialist.				
Printed Name	e: Chris Jo	nes										
Title: HES S	pecialist					Approval Dat	e;	Ex	xpiration I	Date:		
E-mail Addre	ess: Christo	pher.Jones@	oxy.com			Conditions of	Approval:			Attached	П	
Date: 5/13/2	2015		Phone: 57	5-628-4121							_	

<sup>\*</sup> Attach Additional Sheets If Necessary

## LABORATORY RESULTS



March 06, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WINSTON SWD 4

Enclosed are the results of analyses for samples received by the laboratory on 03/03/15 7:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: Reported: 03/03/2015

03/06/2015

Project Name:

WINSTON SWD 4 700608.43001

Project Number: Project Location:

EDDY COUNTY, NM

Sampling Date:

03/02/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Mike Snyder

### Sample ID: S-1 0' (H500582-01)

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	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	0.056	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	81.7 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	1090	16.0	03/03/2015	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	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	
Surrogate: 1-Chlorooctane	66.9 9	6 47.2-157	7				2		
Surrogate: 1-Chlorooctadecane	62.9 9	6 52.1-170	5						

### Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene



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

03/03/2015

Reported: 03/06/2015

Project Name: WINSTON SWD 4 Project Number: 700608.43001

Project Location: EDDY COUNTY, NM Sampling Date:

03/02/2015 Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By:

Mike Snyder

### Sample ID: S-1 1' (H500582-02)

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	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	78.1	% 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	03/03/2015	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	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	
Surrogate: 1-Chlorooctane	64.4 9	6 47.2-15	7						-
Surrogate: 1-Chlorooctadecane	62.4 9	6 52.1-17	5						

### 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

Fax

Received: 03/03/2015 Reported: 03/06/2015

Project Name: WINSTON SWD 4
Project Number: 700608.43001

Project Location: EDDY COUNTY, NM

Sampling Date:

03/02/2015

Sampling Type: Soil

Sampling Condition:

Cool & Intact

Sample Received By: Mike

Mike Snyder

### Sample ID: S-2 0' (H500582-03)

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	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.0	% 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	1120	16.0	03/03/2015	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	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	
Surrogate: 1-Chlorooctane	69.4 9	6 47.2-157	7		-				
Surrogate: 1-Chlorooctadecane	65.2 9	6 52.1-170	5						

### Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keine



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

Received:

03/03/2015

Reported:

03/06/2015

Project Name:

WINSTON SWD 4

Project Number: Project Location:

700608.43001 EDDY COUNTY, NM Sampling Date:

03/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-2 1' (H500582-04) BTEX 8021B

BTEX 8021B	mg/l	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.4 %	61-154							
Chloride, SM4500CI-B	mg/k	g	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/k	g	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	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	
Surrogate: 1-Chlorooctane	67.7 %	47.2-157	7						
Surrogate: I-Chlorooctadecane	64.2 %	52.1-176	5						

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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:

03/03/2015

Reported:

03/06/2015

Project Name:

WINSTON SWD 4 700608.43001

Project Number: Project Location:

EDDY COUNTY, NM

Sampling Date:

03/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

### Sample ID: S-3 0' (H500582-05)

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	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	77.1	% 61-154				20.00			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/03/2015	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	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	
Surrogate: 1-Chlorooctane	70.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	65.5	% 52.1-170	5						

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\*=Accredited Analyte

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Celey D. Keens



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

Received:

03/03/2015

Reported:

03/06/2015

Project Name:

WINSTON SWD 4

Project Number: Project Location: 700608.43001 EDDY COUNTY, NM Sampling Date:

03/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-3 10" (H500582-06)

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	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.0 %	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	5840	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/l	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	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	
Surrogate: 1-Chlorooctane	69.7 %	6 47.2-15	7			14474			
Surrogate: 1-Chlorooctadecane	64.8 %	6 52.1-17	6						

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Celeg D. Keene



ND

### **Notes and Definitions**

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

State: NIM Zip: 88210 Address:  Company: 074  Fax #: 575-746-8905 Address:  City:  State: Zip: Phone #:  P	Company Name: Tolon II DE	
Bay	Droinet Manager.	ONAL VOIC
Barrier   December	1)) III	
Sample I.D.   State: NM   Zip: 88210   Address:   Chy'   City:   City:   State:   Zip:   Itim:   Calculus   City:   State:   Zip:	Address: 408 W. Texas Ave.	Company: 724
COLOCOS   H30   Project Owner,   C244   State:   Zp:	State: NM	CV. CD
Sample I.D.  Sampl	Phone #: 5/5-/46-8/68 Fax #: 575-746-8905	ss:
Sample I.D.  Sample I.D.  Sample I.D.  GREAT HERE  BE:  Fax #:  Fax #:	1300/ Project Owner: 07M	City:
Sample I.D.  Sampl	8404	Zin:
Sample I.D.  Sampl	& closen	1
Sample I.D.  ORGER RATEUR  ORG	G.Bazza	
Sample I.D.    Committee   Com	MATRIX	ESERV SAMPING
Sample I.D.  General India Control India Con	3	STATE LAND
S-10 C G G G G G G G G G G G G G G G G G G	S OR (C)	ASE: DOL :
S-10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(G)RAE FCON FGOUN WASTE GOIL DIL SLUDG	CID/BA/CCID/BC
S-21	0,	3-2-15 11:46
S - 2   C   C   C   C   C   C   C   C   C	73	
S - 2 1  S - 3 0  S - 3 0  S - 3 16		0
S 3 b '  S 4 b '  S 4 b '  S 4 b '  S 5 c '  S 5 c '  S 6 c '  S 7 c '  S 7 c '  S 7 c '  S 7 c '  S 8	5-20-	+
S 3 b'  S 4 b'  S 5 b'  S 5 b'  S 6 b'  S 7 b'  S 7 b'  S 7 b'  S 7 b'  S 8 b'  S 8 b'  S 8 b'  S 8 b'  S 9 b'	2 2	
And Charages. Continuity leading with a containing and clearly stand clearly and the property of the country and by the clear the transfer and the property of the clearly and the property of the clear that the pro		1 +50
and Damages. Continuits include a continuous remach for any claim arising wholese based in contract or text, shall be limited to the amount paid by the clean for the shall be formed to the state of professional and contract or text, shall be limited to the amount paid by the clean for the shall be formed where the clean of the clean of the shall be formed where the clean of the clean of the shall be shall be included by Continuit within 30 days after completion of the applicable stage of of or related to the notionmance of services hereunder by Continuit, regardless and whether such claim is based upon any of the above stated reasons or otherwise.	5, 30	
Times  Date:  Received By:  Received By:  Pates:  Received By:  Received By:  Pates:  Received By:  Received By:  Received By:  Pates:  Received By:  Receiv	1065 3 16°	
Cardinal to label to incidental or consequential damages, including whole of the state in the policy of the policy	PLEASE NOTE: Linbity and Damages. Cardinal's labity and clock's exclusive remedy for any claim aiding whether based in contract or analysis and Cardinal for any claim aiding whether based in contract or	-
Date: Received By:    Control of the	cervice, in no erent shall Cardinal be teste for incidental or managers, and use of estimate watered unless made in weiging and the or extreme varieties of extreme varieties, loss in the contract of extreme varieties of whether each calm is to the contract of extreme varieties of extreme varieties.	eceived by Candinal within 30 days after completion for its applicable so due, or these of profes intermed by clean, its entered and the applicable to due, or these of profes intermed by clean, its enterediantes, based one any of the advanced and the enterediantes.
Date: Received By: REMARKS: LIES LING	Date: Received By:	ilt: 🗆 Yes 🗆 No
Received By:	C. Carrie	No
	Vale	OPS6236662

Sample Condition Cool Intact Cosl Nyes No No

CHECKED BY: (Initials)

01646562

0.83

1126396

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

Time:



May 03, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WINSTON SWD 4

Enclosed are the results of analyses for samples received by the laboratory on 05/01/15 13:13.

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/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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

Received:

05/01/2015

Reported: Project Name: 05/03/2015 WINSTON SWD 4

Project Number:

700608.43001

Project Location:

E-31-21S-24E

Sampling Date:

05/01/2015

Sampling Type:

Soil

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Jodi Henson

Sample ID: S-1 0.5' (H501139-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

Reporting Limit

Analyzed

Method Blank

% Recovery

True Value QC

Qualifier

**RPD** 

0.00

Chloride

416

16.0 05/03/2015 ND

BS 416

BS

104

400

Sample ID: S-2 1' (H501139-02)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

% Recovery

104

True Value QC

Qualifier

Chloride

Result 3080

16.0

Reporting Limit

Reporting Limit

Analyzed 05/03/2015

Analyzed

Method Blank ND

416

400

RPD

Sample ID: S-3 1' (H501139-03)

Chloride, SM4500CI-B

mg/kg

Result

Analyzed By: AP

Analyte Chloride

880 16.0

05/03/2015

ND

Method Blank

BS 416

% Recovery 104

True Value QC 400

**RPD** 0.00

0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Celeg Ditreene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



### **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

Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keine



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 Sample Condition
Cool Intact
Yes Pres

Ele: 2019

Tsk: 01040502 Prj: 1126372 OP56256002

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Mellam Relinquished By:

Ting St.

curred by client, its subsidiaries, stitled reasons or otherwise.

Phone Result:
Fax Result:
REMARKS:

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

Time:

Received By:

Relinquished By: