



May 13, 2015

Mr. Mike Bratcher
NMOCD District 2

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

811 S. 1st Street
Artesia, NM 88210

Subject: **Remedial Activities and Closure Report**
Oxy Permian, LTD
Winston SWD #4
API #: 30-015-30337
2RP-2870

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

Dear Mr. Bratcher

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 initial spill response, soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

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

Background Information

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 for the release are 32.43826 North and -104.54515 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 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 Age sedimentary deposits, comprised of the Guadeloupian Artesia Group, Tansil and Yates formations which are made up of residuum weathered limestone underlain by 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.

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

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

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.

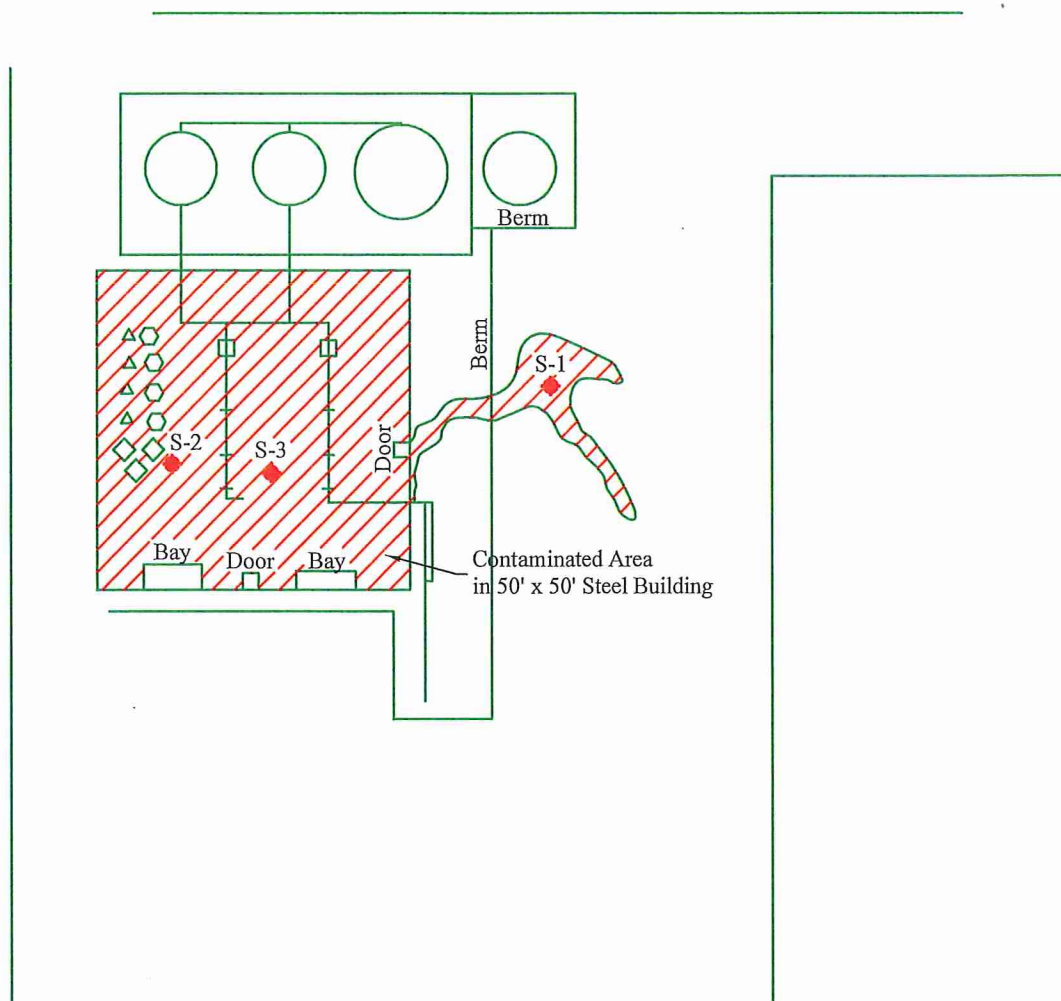
Respectfully submitted,

TALON/LPE


Sheldon Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



0 15 30
Scale in Feet

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 Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02701			ED	3	3	3	20	21S	24E	544393	3591373*	2905	230	90	140

Average Depth to Water: 90 feet

Minimum Depth: 90 feet

Maximum Depth: 90 feet

Record Count: 1

Basin/County Search:

County: Eddy

UTM NAD83 Radius Search (in meters):

Easting (X): 542756

Northing (Y): 3588973

Radius: 3000

*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

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 6 2015

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

RECEIVED

Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

NAB150684211

192463 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: Winston Gas SWD #4	Facility Type: SWD

Surface Owner: Federal	Mineral Owner:	API No.: Lease #: 30-015-30337
-------------------------------	----------------	---------------------------------------

LOCATION OF RELEASE

Unit Letter E	Section 31	Township 21S	Range 24E	Feet from the 1535'	North/South Line North	Feet from the 660'	East/West Line West	County Eddy
-------------------------	----------------------	------------------------	---------------------	-------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

Latitude **32.43826 N** Longitude **-104.54515 W**

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 30 bbl	Volume Recovered: 15 bbls
Source of Release: Bull Plug Broke	Date and Hour of Occurrence 2/26/15	Date and Hour of Discovery 2/26/15
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 bull plug broke on the discharge line of the red pump causing a release of 30 barrels of produced water. The facility was shut-in, the plug was replaced and the facility was put back into service. A vacuum truck was immediately called to the location and 15 barrels of produced water was recovered. Talon/LPE was contracted to perform an initial site assessment and soil sampling.

Describe Area Affected and Cleanup Action Taken.* ☐ The majority of the spill remained in the steel facility under the equipment. However the berm was breached on the east of the facility.

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: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o=Oxy, email=ckjones88@yahoo.com, c=US Date: 2015.03.06 08:17:57 -0500</small>	OIL CONSERVATION DIVISION	
Printed Name: Chris Jones	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HES Specialist	Approval Date: 3/9/15	Expiration Date: N/A
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3/5/2015	Phone: 575-628-4121	

* Attach Additional Sheets If Necessary

Remediation per O.C.D. Rules & Guidelines

SUBMIT REMEDIATION PROPOSAL NO

ATER THAN: **4/9/15**

2RP-2870

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: Winston SWD #4	Facility Type: SWD

Surface Owner: Federal	Mineral Owner: Federal	API No.: Lease #: 30-015-30337
------------------------	------------------------	--------------------------------

LOCATION OF RELEASE

Unit Letter E	Section 31	Township 21S	Range 24E	Feet from the 1535'	North/South Line North	Feet from the 660'	East/West Line West	County Eddy
------------------	---------------	-----------------	--------------	------------------------	---------------------------	-----------------------	------------------------	----------------

Latitude 32.43826 N Longitude -104.54515 W

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 30 bbl	Volume Recovered: 15 bbls
Source of Release: Bull Plug Broke	Date and Hour of Occurrence 2/26/15	Date and Hour of Discovery 2/26/15
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 bull plug broke on the discharge line of the reda pump causing a release of 30 barrels of produced water. The facility was shut-in, the plug was replaced and the facility was put back into service. A vacuum truck was immediately called to the location and 15 barrels of produced water were recovered. Talon/LPE was contracted to perform an initial site assessment and soil sampling.

Describe Area Affected and Cleanup Action Taken.* The majority of the spill remained in the steel building under the equipment. However the berm was breached on the east side of the facility. Talon/LPE performed soil sampling within the impacted area. Upon receipt of analytical results from the soil sampling activities Talon/LPE drafted a work plan that was subsequently approved by NMOCD & BLM. Talon/LPE performed the work to the specifications laid out in the work plan, collected confirmation soil samples, and backfilled the excavation.

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.

Chris Jones Signature: Jones Printed Name: Chris Jones Title: HES Specialist E-mail Address: Christopher.Jones@oxy.com Date: 5/13/2015 Phone: 575-628-4121	Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones888@yahoo.co m, c=US Date: 2015.05.26 11:47:08 -05'00'	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Approval Date: Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>
--	---	--

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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 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,

Caley 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: 03/03/2015
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 0' (H500582-01)

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	03/05/2015	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 BTX	<0.300	0.300	03/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.7 % 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	1090	16.0	03/03/2015	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	03/03/2015	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 % 47.2-157

Surrogate: 1-Chlorooctadecane 62.9 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 03/03/2015
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)

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	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 (PIC) 78.1 % 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	512	16.0	03/03/2015	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	03/03/2015	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 % 47.2-157

Surrogate: 1-Chlorooctadecane 62.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 03/03/2015
 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-2 0' (H500582-03)

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	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, SM4500Cl-B			mg/kg		Analyzed 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		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	

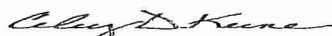
Surrogate: 1-Chlorooctane 69.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 65.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 03/03/2015
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-2 1' (H500582-04)

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	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, SM4500Cl-B		mg/kg		Analyzed 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/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	03/03/2015	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

Surrogate: 1-Chlorooctadecane 64.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 03/03/2015
 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-3 0' (H500582-05)

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	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

Chloride, SM4500Cl-B			mg/kg		Analyzed 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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	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 % 47.2-157

Surrogate: 1-Chlorooctadecane 65.5 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 03/03/2015
 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-3 10" (H500582-06)

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	03/05/2015	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 BTX	<0.300	0.300	03/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 83.0 % 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	5840	16.0	03/03/2015	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	03/03/2015	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 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.8 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

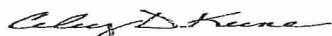
Notes and Definitions

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

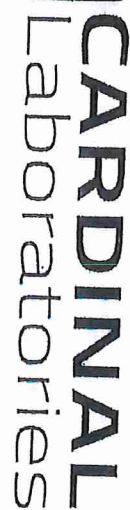
Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Page 9 of 9

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 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:	05/01/2015	Sampling Date:	05/01/2015
Reported:	05/03/2015	Sampling Type:	Soil
Project Name:	WINSTON SWD 4	Sampling Condition:	** (See Notes)
Project Number:	700608.43001	Sample Received By:	Jodi Henson
Project Location:	E-31-21S-24E		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/03/2015	ND	416	104	400	0.00	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	05/03/2015	ND	416	104	400	0.00	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	05/03/2015	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

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