

Closure Report

Incident ID#: nAB1435049621

Site Description

Site Name:	GOODNIGHT 27 FEDERAL #3H
Company:	Oxy USA, Inc.
Legal Description:	UL M, S 27, TS 23S ,R 29E
County:	EDDY
GPS Coordinates:	N 32.2712468 , W-103.98000

Release Data

Date of Release:	12/12/2014
Type of Release:	OIL
Source of Release:	STUFFING BOX BLEW OUT ON THE WELLHEAD DO TO COLD WEATHER
Volume of Release:	5 BBLS
Volume Recovered:	0BBLS

Remediation Specifications

Remediation Parameters:	This site is listed on the Agreed Compliance Order of 4/5/19. This site was not previously remediated even the plan had been approved. Oxy conducted remediation and then performed confirmation sampling to verify remediation limits had been met. The enclosed site diagram depicts the spill area, excavation depths, and the confirmation sample points. OXY collected sidewall and bottom confirmation samples every 200 square feet .
Remediation Activities:	8/17/22 - 8/25/22, 9/23/22

Plan Sent to OCD:	3/4/2015	
OCD Approval of Plan:	3/6/2015	
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Closure photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report	
Notifications	8/25/2022	

Request for Closure

Based on the completion of the remediation plan, BBC International requests closure approval from NMOCD.

Cliff P. Brunson
President, BBC International, Inc.

10/5/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAB1435049621
District RP	
Facility ID	
Application ID	

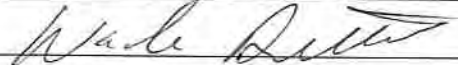
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities


I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 8-30-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 1/20/2023
Printed Name: Brittany Hall Title: Environmental Specialist

From: [Cliff Brunson](#)
To: ["Enviro. OCD, EMNRD"](#)
Cc: ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); [Kathy Sweeney](#)
Subject: OXY - Goodnight 27 Federal #3H - Sampling Notification
Date: Thursday, August 25, 2022 5:13:46 PM

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Goodnight 27 Federal #3H (nAB1435049621) (ACO) on Tuesday, August 30, 2022 at 1:30 p.m.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com



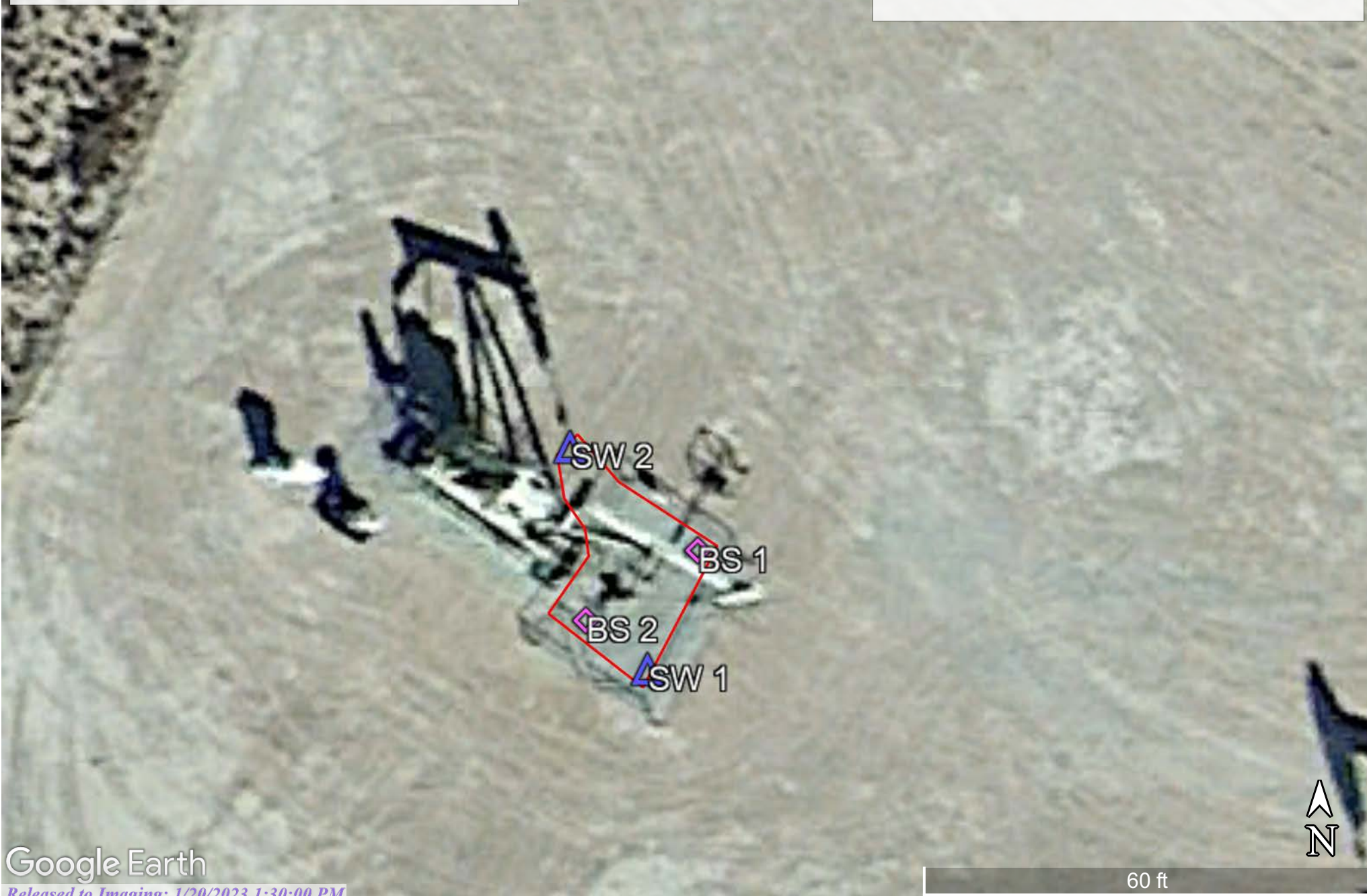
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GOODNIGHT 27 FEDERAL #3H

LEAK DATE 12/22/2014
EDDY CO, NM
ID#nAB1435049621

Legend

- ◆ BOTTOM CONFIRMATION SAMPLE POINTS
- ▲ SIDEWALL CONFIRMATION SAMPLE POINTS
- LERAK AREA



OXY -GOODNIGHT 27 FED #3H (12/22/14)

SAMPLE DATE 8/30/22

BOTTOM SAMPLES

BS 1 @2.5' N 32.27126	W-103.98004
BS 2 @ 2.5 N 32.27124	W-103.98007

SIDEWALL SAMPLES

SW 1	N32.27120	W-103.98003
SW 2	N 32.27123	W-103.98006

	Sample ID	BS 1 @ 2.5'	BS 2 @ 2.5'	SW 1	SW 2
Analyte	Date	8/30/22	8/30/22	8/30/22	8/30/22
		mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300
Chloride		80.0	64.0	80.0	176.0
GRO		<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0



OXY- GOODNIGHT 27 #3H (12/12/14)





OXY- GOODNIGHT 27 #3H (12/12/14)





OXY- GOODNIGHT 27 #3H (12/12/14)





OXY- GOODNIGHT 27 #3H (12/12/14)





OXY- GOODNIGHT 27 #3H (12/12/14)





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

September 02, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GOODNIGHT 27 FEDERAL #3H (12/12/14)

Enclosed are the results of analyses for samples received by the laboratory on 08/31/22 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	08/31/2022	Sampling Date:	08/30/2022
Reported:	09/02/2022	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FEDERAL #3H (12/12/1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 1 @ 2.5' (H224011-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2022	ND	1.99	99.5	2.00	7.25	
Toluene*	<0.050	0.050	09/02/2022	ND	2.27	113	2.00	2.86	
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	2.28	114	2.00	2.81	
Total Xylenes*	<0.150	0.150	09/02/2022	ND	7.03	117	6.00	3.25	
Total BTEX	<0.300	0.300	09/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/02/2022	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	09/01/2022	ND	194	97.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	09/01/2022	ND	197	98.3	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	09/01/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.9 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	08/31/2022	Sampling Date:	08/30/2022
Reported:	09/02/2022	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FEDERAL #3H (12/12/1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 2 @ 2.5' (H224011-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.99	99.5	2.00	7.25		
Toluene*	<0.050	0.050	09/02/2022	ND	2.27	113	2.00	2.86		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	2.28	114	2.00	2.81		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	7.03	117	6.00	3.25		
Total BTEx	<0.300	0.300	09/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/02/2022	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	09/01/2022	ND	211	106	200	2.60	QM-07
DRO >C10-C28*	<10.0	10.0	09/01/2022	ND	222	111	200	0.0360	
EXT DRO >C28-C36	<10.0	10.0	09/01/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	08/31/2022	Sampling Date:	08/30/2022
Reported:	09/02/2022	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FEDERAL #3H (12/12/1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL SAMPLE 1 (H224011-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.99	99.5	2.00	7.25		
Toluene*	<0.050	0.050	09/02/2022	ND	2.27	113	2.00	2.86		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	2.28	114	2.00	2.81		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	7.03	117	6.00	3.25		
Total BTEx	<0.300	0.300	09/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/02/2022	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	09/01/2022	ND	211	106	200	2.60	
DRO >C10-C28*	<10.0	10.0	09/01/2022	ND	222	111	200	0.0360	
EXT DRO >C28-C36	<10.0	10.0	09/01/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	08/31/2022	Sampling Date:	08/30/2022
Reported:	09/02/2022	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FEDERAL #3H (12/12/1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL SAMPLE 2 (H224011-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.99	99.5	2.00	7.25		
Toluene*	<0.050	0.050	09/02/2022	ND	2.27	113	2.00	2.86		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	2.28	114	2.00	2.81		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	7.03	117	6.00	3.25		
Total BTEx	<0.300	0.300	09/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/02/2022	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	09/01/2022	ND	211	106	200	2.60	
DRO >C10-C28*	<10.0	10.0	09/01/2022	ND	222	111	200	0.0360	
EXT DRO >C28-C36	<10.0	10.0	09/01/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company: Oxy																			
City: Hobbs										State: NM										Zip: 88241									
Phone #: 575-397-6388										Fax #: 575-397-0397										Address:									
Project #:										Project Owner: Oxy										City:									
Project Name: GOODNIGHT 27 FED # 3H (12/12/14)										State:										Zip:									
Project Location: New Mexico										Phone #:																			
Sampler Name: SIMON										Fax #:																			

FOR LAB USE ONLY		MATRIX		PRESERV	SAMPLING																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	BTEX	TPH	EXT										
H224011	BOTTOM SAMPLE 1 @ 2.5'	6	1										8/30/22	1:15PM	✓	✓	✓	✓										
	BOTTOM SAMPLE 2 @ 2.5'												8/30/22	1:28PM	✓	✓	✓	✓										
	SIDEWALL SAMPLE 1												8/30/22	1:44PM	✓	✓	✓	✓										
	SIDEWALL SAMPLE 2												8/30/22	2:00PM	✓	✓	✓	✓										

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Relinquished By: <i>[Signature]</i>		Date: 8-31-22	Received By: <i>[Signature]</i>	Date: 8-31-22	Time: 8:00PM
Relinquished By: <i>[Signature]</i>		Date: 8-31-22	Received By: <i>[Signature]</i>	Date: 8-31-22	Time: 4:35
Delivered By: (Circle One) <i>Delivered</i>		-4.0	-4.6	#13	
Sampler - UPS - Bus - Other:					

Sample Condition	Cool	Intact	Yes	No	Yes	No	CHECKED BY: <i>[Signature]</i>	(Initials)	TO
REMARKS:									

From: Patterson, Heather, EMNRD
To: ["Kimberly M. Wilson"](#)
Cc: [Christopher_Jones@oxy.com](#); [David Adkins](#); [Bratcher, Mike, EMNRD](#); [Jim Amos \(jamos@blm.gov\)](#)
Subject: RE: Goodnight 27 Fed #3H * 30-015-39220 * 2RP-2665 * Lease No. NMNM-105557 * DOR: 2/12/15
Date: Friday, March 06, 2015 8:54:00 AM
Attachments: image001.png

RE: Oxy * Goodnight 27 Fed #3H * 30-015-39220 * 2RP-2665

Ms. Wilson,

The proposed excavation depths for the above listed release are approved as written for the areas of S-1 and S-3. In the area of S-2 the OCD will require further chloride delineation, both vertically and horizontally, before excavation depths can be approved.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Kimberly M. Wilson [<mailto:kwilson@talonlpe.com>]
Sent: Wednesday, March 04, 2015 3:08 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; Jim Amos (jamos@blm.gov)
Cc: [Christopher_Jones@oxy.com](#); David Adkins
Subject: Goodnight 27 Fed #3H * 30-015-39220 * 2RP-2665 * Lease No. NMNM-105557 * DOR: 2/12/15

Good Afternoon All,

Please find attached the work plan for the above referenced release.

Respectfully submitted,

Kimberly M. Wilson
Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
Office: 575.746.8768
Fax: 575.746.8905
Cell: 575.602.3826
Emergency: 866.742.0742



February 27, 2014

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

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

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

Subject: **Soil Assessment and Remediation Work Plan**
Oxy USA Inc.
Goodnight 27 Federal #3H
API: 30-015-39220 – 2RP-2625

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

Dear Mr. Bratcher,

Oxy USA Inc., (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.

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

Background Information

The Goodnight 27 Federal No. 3H is located approximately 22 miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter M, Section 27, Township 23 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.2712468 North and -103.98000 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 National Resources Conservation Services, the soil in this area is made up of Simona-Bippus land complex soils with 0 to 5 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands which includes silty soils underlain by dense caliche layers. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S28-T23S-R29E. The ground water in Section 28 is reported to be a depth of 18' below ground surface (bgs). The referenced groundwater data is presented in Appendix II.

The ranking for this site is 20 based on the following:

ENVIRONMENTAL CONSULTING	Depth to ground water	<50'
ENGINEERING	Wellhead Protection Area	>1000'
DRILLING	Distance to surface water body	>1000'
CONSTRUCTION		
SPILL MANAGEMENT		
GENERAL CONTRACTING		

Page 1 of 3

Toll Free: 866.742.0742

Incident Description

The stuffing box blew out on the wellhead due to cold weather causing a release of 5 barrels of oil. No fluids were recovered. All fluids remained on location surrounding the wellhead. Talon mobilized personnel to conduct a site assessment and soil sampling activities utilizing a hand auger. Further delineation was subsequently required with a backhoe within the impacted areas. The results of our soil sampling activities are summarized in the tables below.

Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

December 23, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0'	<0.300	352	<10	251
	0.5	0.627	464	<10	695
S-2	0	177	9330	1990	4880
	0.5'	58.3	9860	864	2650
S-3	0'	12.7	1960	438	5740
	0.5'	0.927	832	<10	35.7

February 6, 2015 from backhoe

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1'	--	--	<10	<10
	2'	--	--	<10	<10
	3'	--	--	<10	<10
S-2	1'	<0.300	1020	<10	<10
	2'	<0.300	1960	<10	<10
	3'	<0.300	2720	<10	<10


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

Proposed Remedial Actions

- The impacted area surrounding the wellhead in the vicinity of S-1 and S-2 will be hand-excavated to a depth of 1-foot deep taking care as to not disturb the integrity of the well-casing. The impacted area in the vicinity of S-3 will also be hand-excavated to a depth of 0.5-feet deep.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated area surrounding the wellhead will be backfilled with new caliche and re-contoured 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,


Kimberly M. Wilson
Project Manager


David J. Adkins
District Manager

APPENDIX I
SITE MAP



Date: 12/22/2014

Scale: 1" = 30'

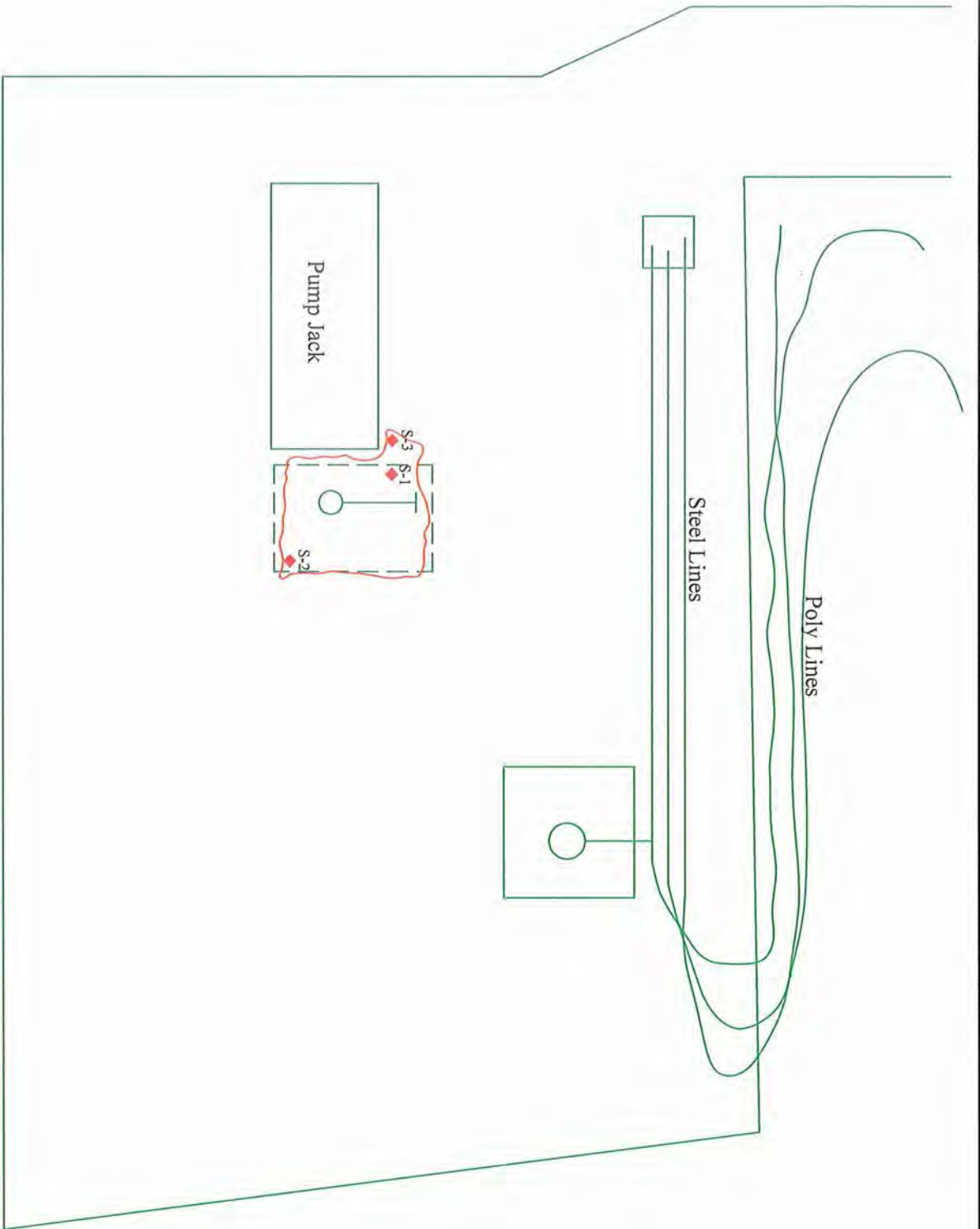
Drawn By: TJS

Goodnight 27 Federal #3H

Oxy - NM - North

Eddy County, New Mexico

Figure 1 - Site Plan



0 15 30
Scale in Feet



APPENDIX II
GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water






(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD		Q Q Q							X	Y	Distance	Depth Well	Depth Water	Water Column	
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng							
C 01627	C	ED	1	4	4	28	23S	29E	595649	3570959*		450	170			
C 02707	C	ED			2	28	23S	29E	595535	3571868*		1221	40	18	22	
C 02797		ED			2	3	22	23S	29E	596540	3572895*		2187	200		
C 02721		ED			2	3	21	23S	29E	594915	3572879*		2403	150		
C 03587 POD1	CUB	ED	1	4	3	29	23S	29E	593338	3570754		2716	99	44	55	

Average Depth to Water: 31 feet

Minimum Depth: 18 feet

Maximum Depth: 44 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 596054

Northing (Y): 3570762

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.

12/15/14 9:33 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 16 2014

Form C-141

Revised August 8, 2011

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

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

Release Notification and Corrective Action

NAB435049621

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: OXY USA INC	Contact: Chris Jones
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: Goodnight 27 Federal #3H	Facility Type: Well

Surface Owner: Federal	Mineral Owner:	API No.: 30-015-39220 Lease No.: NMNM-105557
------------------------	----------------	---

LOCATION OF RELEASE

Unit Letter M	Section 27	Township 23S	Range 29E	Feet from the 962'	North/South Line South	Feet from the 364'	East/West Line West	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	----------------

Latitude 32.2712468 N Longitude -103.98000 W

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 5 bbls Oil	Volume Recovered: 0 bbls
Source of Release: Stuffing Box	Date and Hour of Occurrence 12/12/2014	Date and Hour of Discovery 12/12/2014
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The stuffing box blew out on the wellhead due to cold weather causing a release of 5 barrels of oil. No fluids were recovered. Talon/LPE was contracted to perform an initial site assessment and soil sampling.

Describe Area Affected and Cleanup Action Taken.*

The area affected is around the wellhead measuring approximately 10'x20'.

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=ChrisJones@oxy.com, c=US Date: 2014.12.16 07:20:27 -0600</small>	OIL CONSERVATION DIVISION	
Printed Name: Chris Jones	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HES Specialist	Approval Date: 12/16/14	Expiration Date: N/A
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> Attached <input type="checkbox"/>	
Date: 12/15/2014 Phone: 575-628-4121	SUBMIT REMEDIATION PROPOSAL NO	

* Attach Additional Sheets If Necessary

LATER THAN: 11/6/15 2RP-2665

APPENDIX III
LABORATORY RESULTS



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

December 23, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: GOODNIGHT 27 FED #3

Enclosed are the results of analyses for samples received by the laboratory on 12/18/14 16:11.

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



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

Analytical Results For:

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

Received:	12/18/2014	Sampling Date:	12/16/2014
Reported:	12/23/2014	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 0' (H403882-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2014	ND	1.87	93.4	2.00	4.37	
Toluene*	<0.050	0.050	12/23/2014	ND	1.85	92.3	2.00	4.87	
Ethylbenzene*	<0.050	0.050	12/23/2014	ND	1.68	83.9	2.00	8.18	
Total Xylenes*	<0.150	0.150	12/23/2014	ND	4.99	83.1	6.00	9.33	
Total BTEX	<0.300	0.300	12/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	352	16.0	12/22/2014	ND	400	100	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	12/23/2014	ND	183	91.3	200	0.177	
DRO >C10-C28	251	10.0	12/23/2014	ND	195	97.4	200	2.52	

Surrogate: 1-Chlorooctane 86.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.3 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/18/2014	Sampling Date:	12/16/2014
Reported:	12/23/2014	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 .5' (H403882-02)

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	12/23/2014	ND	1.87	93.4	2.00	4.37	
Toluene*	0.136	0.050	12/23/2014	ND	1.85	92.3	2.00	4.87	
Ethylbenzene*	0.082	0.050	12/23/2014	ND	1.68	83.9	2.00	8.18	
Total Xylenes*	0.409	0.150	12/23/2014	ND	4.99	83.1	6.00	9.33	
Total BTEX	0.627	0.300	12/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 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	464	16.0	12/22/2014	ND	400	100	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	12/23/2014	ND	183	91.3	200	0.177	
DRO >C10-C28	695	10.0	12/23/2014	ND	195	97.4	200	2.52	

Surrogate: 1-Chlorooctane 83.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/18/2014	Sampling Date:	12/16/2014
Reported:	12/23/2014	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 0' (H403882-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.86	2.00	12/23/2014	ND	1.87	93.4	2.00	4.37	
Toluene*	57.8	2.00	12/23/2014	ND	1.85	92.3	2.00	4.87	
Ethylbenzene*	20.1	2.00	12/23/2014	ND	1.68	83.9	2.00	8.18	
Total Xylenes*	95.4	6.00	12/23/2014	ND	4.99	83.1	6.00	9.33	
Total BTEX	177	12.0	12/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 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	9330	16.0	12/22/2014	ND	400	100	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	1990	50.0	12/23/2014	ND	183	91.3	200	0.177	
DRO >C10-C28	4880	50.0	12/23/2014	ND	195	97.4	200	2.52	

Surrogate: 1-Chlorooctane 153 % 47.2-157

Surrogate: 1-Chlorooctadecane 119 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/18/2014	Sampling Date:	12/16/2014
Reported:	12/23/2014	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 .5' (H403882-04)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.703	0.500	12/23/2014	ND	1.87	93.4	2.00	4.37	
Toluene*	15.0	0.500	12/23/2014	ND	1.85	92.3	2.00	4.87	
Ethylbenzene*	7.00	0.500	12/23/2014	ND	1.68	83.9	2.00	8.18	
Total Xylenes*	35.5	1.50	12/23/2014	ND	4.99	83.1	6.00	9.33	
Total BTEX	58.3	3.00	12/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 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	9860	16.0	12/22/2014	ND	400	100	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	864	10.0	12/23/2014	ND	183	91.3	200	0.177	
DRO >C10-C28	2650	10.0	12/23/2014	ND	195	97.4	200	2.52	

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 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



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Analytical Results For:

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

Received:	12/18/2014	Sampling Date:	12/16/2014
Reported:	12/23/2014	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: S-3 0' (H403882-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	12/23/2014	ND	1.87	93.4	2.00	4.37	
Toluene*	0.954	0.500	12/23/2014	ND	1.85	92.3	2.00	4.87	
Ethylbenzene*	1.50	0.500	12/23/2014	ND	1.68	83.9	2.00	8.18	
Total Xylenes*	10.2	1.50	12/23/2014	ND	4.99	83.1	6.00	9.33	
Total BTEX	12.7	3.00	12/23/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	12/22/2014	ND	400	100	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	438	50.0	12/23/2014	ND	183	91.3	200	0.177	
DRO >C10-C28	5740	50.0	12/23/2014	ND	195	97.4	200	2.52	

Surrogate: 1-Chlorooctane 138 % 47.2-157

Surrogate: 1-Chlorooctadecane 131 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/18/2014
Reported: 12/23/2014
Project Name: GOODNIGHT 27 FED #3
Project Number: 70060838601
Project Location: EDDY COUNTY, NM

Sampling Date: 12/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 .5' (H403882-06)

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	12/23/2014	ND	1.87	93.4	2.00	4.37		
Toluene*	0.208	0.050	12/23/2014	ND	1.85	92.3	2.00	4.87		
Ethylbenzene*	0.111	0.050	12/23/2014	ND	1.68	83.9	2.00	8.18		
Total Xylenes*	0.608	0.150	12/23/2014	ND	4.99	83.1	6.00	9.33		
Total BTEX	0.927	0.300	12/23/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 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	832	16.0	12/22/2014	ND	400	100	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	12/23/2014	ND	183	91.3	200	0.177		
DRO >C10-C28	35.7	10.0	12/23/2014	ND	195	97.4	200	2.52		

Surrogate: 1-Chlorooctane 90.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.7 % 52.1-176

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Celest D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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

February 06, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: GOODNIGHT 27 FED #3

Enclosed are the results of analyses for samples received by the laboratory on 02/05/15 11:00.

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 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



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Analytical Results For:

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

Received:	02/05/2015	Sampling Date:	02/03/2015
Reported:	02/06/2015	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 1' (H500331-01)

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	
<i>Surrogate: 1-Chlorooctane</i>									
	106 %	47.2-157							
<i>Surrogate: 1-Chlorooctadecane</i>									
	87.0 %	52.1-176							

Sample ID: S-1 2' (H500331-02)

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	
<i>Surrogate: 1-Chlorooctane</i>									
	107 %	47.2-157							
<i>Surrogate: 1-Chlorooctadecane</i>									
	87.1 %	52.1-176							

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Analytical Results For:

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

Received:	02/05/2015	Sampling Date:	02/03/2015
Reported:	02/06/2015	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 3' (H500331-03)

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	
Surrogate: 1-Chlorooctane	110 %	47.2-157							
Surrogate: 1-Chlorooctadecane	91.7 %	52.1-176							

Sample ID: S-1 4' (H500331-04)

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	
Surrogate: 1-Chlorooctane	106 %	47.2-157							
Surrogate: 1-Chlorooctadecane	84.2 %	52.1-176							

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Analytical Results For:

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

Received:	02/05/2015	Sampling Date:	02/03/2015
Reported:	02/06/2015	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 1' (H500331-05)

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	02/05/2015	ND	1.89	94.3	2.00	1.55	
Toluene*	<0.050	0.050	02/05/2015	ND	1.81	90.5	2.00	1.50	
Ethylbenzene*	<0.050	0.050	02/05/2015	ND	1.73	86.7	2.00	0.928	
Total Xylenes*	<0.150	0.150	02/05/2015	ND	5.16	86.1	6.00	0.612	
Total BTX	<0.300	0.300	02/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 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	1020	16.0	02/06/2015	ND	432	108	400	3.77	

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.0 % 52.1-176

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Analytical Results For:

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

Received:	02/05/2015	Sampling Date:	02/03/2015
Reported:	02/06/2015	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 2' (H500331-06)

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	02/05/2015	ND	1.89	94.3	2.00	1.55	
Toluene*	<0.050	0.050	02/05/2015	ND	1.81	90.5	2.00	1.50	
Ethylbenzene*	<0.050	0.050	02/05/2015	ND	1.73	86.7	2.00	0.928	
Total Xylenes*	<0.150	0.150	02/05/2015	ND	5.16	86.1	6.00	0.612	
Total BTX	<0.300	0.300	02/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.4 % 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	1960	16.0	02/06/2015	ND	432	108	400	3.77	

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.6 % 52.1-176

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Analytical Results For:

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

Received:	02/05/2015	Sampling Date:	02/03/2015
Reported:	02/06/2015	Sampling Type:	Soil
Project Name:	GOODNIGHT 27 FED #3	Sampling Condition:	Cool & Intact
Project Number:	70060838601	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 3' (H500331-07)

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	02/05/2015	ND	1.89	94.3	2.00	1.55	
Toluene*	<0.050	0.050	02/05/2015	ND	1.81	90.5	2.00	1.50	
Ethylbenzene*	<0.050	0.050	02/05/2015	ND	1.73	86.7	2.00	0.928	
Total Xylenes*	<0.150	0.150	02/05/2015	ND	5.16	86.1	6.00	0.612	
Total BTX	<0.300	0.300	02/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 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	2720	16.0	02/06/2015	ND	432	108	400	3.77	

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	02/06/2015	ND	183	91.5	200	3.10	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	184	91.9	200	0.981	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

Released to Imaging: 1/20/2023 1:30:00 PM

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 149181

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 149181
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/20/2023