



November 12, 2014

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

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

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

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

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

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

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

Subject: **Remedial Activities and Closure Report**
Oxy Permian, LTD
Yeso Viking CTB
30-015-41340

Dear Mr. Bratcher,

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Incident Date

The release was discovered by Oxy Personnel on April 13, 2014

Background Information

The Oxy Yeso Viking Central Tank Battery (CTB) is located approximately ten (10) miles east of Artesia, New Mexico. The legal location for the site is Unit Letter K, Section 23, Township 17 South, and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.818613 North and - 104.252451 West.

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 the Reeves-Gypsum land complex with 0 to 3 percent slopes. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 40-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. The referenced groundwater data is presented in [Appendix II](#).

The ranking for this site is 20 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

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

A valve malfunctioned causing a release of 3bbls of oil and 12bbls of produced water. A vacuum truck was immediately called to the location and 3bbls of oil and 5bbls of produced water were recovered. Talon/LPE was contracted to perform an initial site assessment and soil sampling. Once analytical results from the initial sampling event were received it was evident that further delineation would be required at this location. An air rotary drilling rig was used to delineate the site. The analytical results from the above referenced sampling activities are summarized in chronological order (by date) in the table below.

Laboratory Results

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

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	19.6	30400	328	11400
S-2	0	17.3	14000	203	9350
S-3	0	3.31	16800	76.5	3650
S-4	0	ND	20000	ND	67.5
S-4	1	ND	704	ND	ND
S-4	2	ND	368	ND	ND
S-5 OVERSPRAY	0	2.47	7680	57.2	7630
BH-1	5	--	304	ND	ND
BH-1	10	--	304	--	--
BH-1	15	--	384	--	--
BH-1	20	--	96	--	--
BH-2	5	--	1630	ND	ND
BH-2	10	--	400	--	--
BH-2	15	--	352	--	--
BH-3	5	--	96	ND	ND
BH-3	10	--	160	--	--
S-1	2	--	272	--	--
S-2	2	--	1310	--	--
S-3	1.5	--	2040	--	--
S-2	3	--	448	--	--
S-3	1.5	--	1260	--	--
S-3	2.5	--	240	--	--

(--) Analyte Not Tested

(ND) Analyte Not Detected

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

Remedial Actions

April 16, 2014

- Talon Mobilized personnel to conduct an initial site assessment and perform soil sampling within the impacted area.

April 30, 2014

- Upon receipt of laboratory results from the sampling activities on April 16, 2014 it was determined that further vertical delineation of the impacted area would be required to satisfy NMOCD requirements.

June 26, 2014

- Sample locations S-1, S-2, and S-3 were vertically delineated utilizing an air rotary drilling rig. The sample locations were renamed BH-1, BH-2, and BH-3 respectively.

August 22, 2014

- Excavation activities began based on the approved work plan.

August 25, 2014 through September 12, 2014

- Excavation activities continued.

September 16, 2014

- Confirmation soil samples were taken in sample locations S-1, S-3, and S-3

September 22, 2014

- The laboratory results from the soil sampling activities on September 16, 2014 showed that the soil in the vicinity of sample locations S-2, and S-3 were still above the NMOCD RRAL for chlorides.

September 23, 2014 through September 29, 2014

- The excavation the vicinity of sample locations S-2 and S-3 were expanded vertically.
- Confirmation soil samples were again taken at sample locations S-2 and S-3.

September 30, 2014

- The laboratory results from the soil sampling activities on September 29, 2014 showed that all of impacted soil in the vicinity of sample location S-2 had been successfully excavated. However the area in the vicinity of sample location S-3 would have to be excavated further.

September 30, 2014 through October 2, 2014

- Excavation activities in the vicinity of S-3 were completed.
- A confirmation soil sample was taken at sample location S-3.

October 9, 2014

- Laboratory results from the sampling activities on October 2, 2014 showed that all of the impacted soil in the vicinity of sample location S-3 had been successfully excavated.

October 10, 2014 through October 14, 2014

- The excavated area was backfilled with clean caliche and contoured to match the surrounding location.

Summary and Conclusions

- Ground water in the project vicinity is approximately 40-feet bgs, according to the New Mexico Office of The State Engineer.
- The impacted area in the vicinity of S-1/BH-1 was excavated to a depth of 2-feet bgs.
- The impacted area in the vicinity of S-2/BH-2 was excavated to a depth of 3-feet bgs.
- The impacted area in the vicinity of S-3/BH-3 was excavated to a depth of 2.5-feet bgs.
- The overspray area in the vicinity of S-5 was excavated to a depth of 0.5-feet bgs.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with caliche and contoured to match the surrounding location.

Closure


On behalf of Oxy Permian 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.

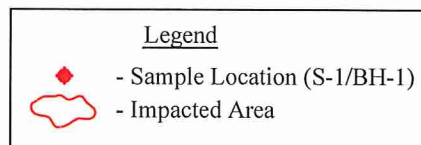
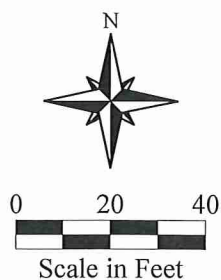
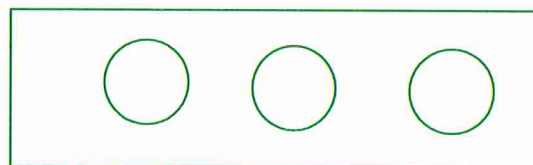
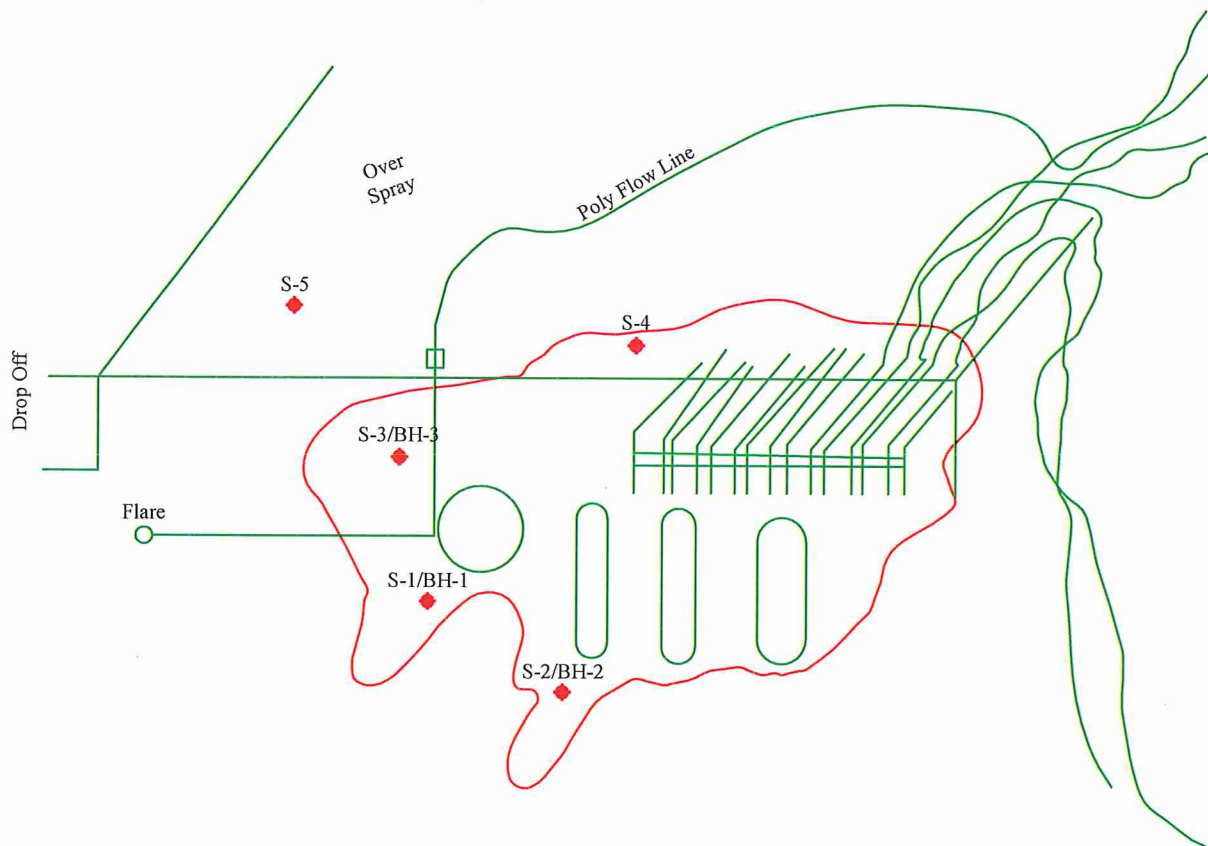
Respectfully submitted,

TALON/LPE


Sheldon Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Date: 08/05/2014

Scale: 1" = 40'

Drawn By: TJS

Yeso Viking CTB
Oxy - NM - South
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
RA 04554			ED		1	23	17S		27E	569859	3631947*	905	220	40	180
RA 01493			ED		2	1	27	17S	27E	568468	3630529*	1391	876		
RA 04561			ED		4	2	26	17S	27E	570871	3630142*	1433	250		

Average Depth to Water: 40 feet

Minimum Depth: 40 feet

Maximum Depth: 40 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 569759

Northing (Y): 3631047

Radius: 2000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: OXY USA Limited Partnership	Contact: Chris Jones
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: YESO VIKING CTB	Facility Type: Battery

Surface Owner: Federal	Mineral Owner:	API No.: Lease #: 30-015-41340
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LOCATION OF RELEASE

Unit Letter K	Section 23	Township 17S	Range 27E	Feet from the 2240'	North/South Line South	Feet from the 1680'	East/West Line West	County Eddy
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Latitude **32.818613 N** Longitude **-104.252451 W**

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: 3 bbls Oil & 12 bbls PW	Volume Recovered: 3 bbls Oil & 5 bbls PW
Source of Release: Valve Malfunction	Date and Hour of Occurrence 4/13/14	Date and Hour of Discovery 4/13/14
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher @ NMOCD - email Jennifer Van Curen @ BLM - email	
By Whom? Chris Jones	Date and Hour: 4/14/2014 4:20 pm	
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.* A valve malfunctioned causing 3 barrels of oil and 12 barrels of produced water to be released. The facility was shut-in, the valve repaired and put back into service. A vacuum truck was immediately called to the location and 3 barrels of oil and 5 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 affected area is approximately 15' x 25'. This release was isolated on location only.

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.

OIL CONSERVATION DIVISION

Signature: Chris Jones	Approved by Environmental Specialist:	
Printed Name: Chris Jones	Approval Date:	Expiration Date:
Title: HES Specialist	Conditions of Approval:	Attached <input type="checkbox"/>
E-mail Address: Christopher.Jones@oxy.com		
Date: 4/16/2014 Phone: 575-628-4121		

* Attach Additional Sheets If Necessary

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State of New Mexico
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1220 South St. Francis Dr.
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Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
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OPERATOR

☐ Initial Report ☒ Final Report

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Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: YESO VIKING CTB	Facility Type: Battery

Surface Owner: Federal NM-025527A	Mineral Owner:	API No.: Lease #: 30-015-41340
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LOCATION OF RELEASE

Unit Letter K	Section 23	Township 17S	Range 27E	Feet from the 2240'	North/South Line South	Feet from the 1680'	East/West Line West	County Eddy
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Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher @ NMOCD - email Jennifer Van Curen @ BLM - email	
By Whom? Chris Jones	Date and Hour: 4/14/2014 4:20 pm	
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Describe Cause of Problem and Remedial Action Taken.* A valve malfunctioned causing 3 barrels of oil and 12 barrels of produced water to be released. The facility was shut-in, the valve repaired and put back into service. A vacuum truck was immediately called to the location and 3 barrels of oil and 5 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.* Talon/LPE mobilized personnel mobilized conduct and initial site assessment and soil sampling. Upon receipt of lab data from the initial sampling activities and air rotary drilling rig was used to vertically delineate the site. The impacted area was excavated to depth varying from 0.5-feet 3-feet bgs. Upon receipt of clean confirmation samples the excavated area was backfilled and contoured to match the surrounding terrain.

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 Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones888@yahoo.com, c=US Date: 2015.05.26 11:43:06 -05'00'	OIL CONSERVATION DIVISION	
Signature: Jones	Approved by Environmental Specialist:	
Printed Name: Chris Jones		
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Phone: 575-628-4121		

* Attach Additional Sheets If Necessary

LABORATORY RESULTS

April 28, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: YESO VIKING CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/21/14 11:38.

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

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2014
Reported: 04/28/2014
Project Name: YESO VIKING CTB
Project Number: 70060836001
Project Location: EDDY

Sampling Date: 04/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S-1 0' (H401181-01)

BTX 8021B		mg/kg	Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.320	0.200	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	3.74	0.200	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	6.01	0.200	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	9.55	0.600	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTX	19.6	1.20	04/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 160 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30400	16.0	04/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	328	100	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	11400	100	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 168 % 65.2-140

Surrogate: 1-Chlorooctadecane 319 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/21/2014
 Reported: 04/28/2014
 Project Name: YESO VIKING CTB
 Project Number: 70060836001
 Project Location: EDDY

 Sampling Date: 04/16/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S-2 0' (H401181-02)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	1.43	0.200	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	5.59	0.200	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	10.3	0.600	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	17.3	1.20	04/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 179 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	04/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	203	50.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	9350	50.0	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 158 % 65.2-140

Surrogate: 1-Chlorooctadecane 253 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 Fax To: (575) 745-8905

 Received: 04/21/2014
 Reported: 04/28/2014
 Project Name: YESO VIKING CTB
 Project Number: 70060836001
 Project Location: EDDY

 Sampling Date: 04/16/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S-3 0' (H401181-03)

BTEX 8021B		mg/kg	Analyzed By: CK				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	0.113	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	0.834	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	2.36	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	3.31	0.300	04/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 229 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	04/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	76.5	50.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	3650	50.0	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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TALON LPE
DAVID ADKINS
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Fax To: (575) 745-8905

Received: 04/21/2014
Reported: 04/28/2014
Project Name: YESO VIKING CTB
Project Number: 70060836001
Project Location: EDDY

Sampling Date: 04/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S-4 0' (H401181-04)

BTX 8021B		mg/kg	Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTX	<0.300	0.300	04/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 129 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	04/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	67.5	10.0	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2014
Reported: 04/28/2014
Project Name: YESO VIKING CTB
Project Number: 70060836001
Project Location: EDDY

Sampling Date: 04/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S-4 1' (H401181-05)

BTX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTX	<0.300	0.300	04/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 127 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	04/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/21/2014
 Reported: 04/28/2014
 Project Name: YESO VIKING CTB
 Project Number: 70060836001
 Project Location: EDDY

 Sampling Date: 04/16/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S-4 2' (H401181-06)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	<0.300	0.300	04/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/21/2014
 Reported: 04/28/2014
 Project Name: YESO VIKING CTB
 Project Number: 70060836001
 Project Location: EDDY

 Sampling Date: 04/16/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S-5 0' OVERSPRAY (H401181-07)

BTEX 8021B			mg/kg		Analyzed By: CK			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2014	ND	2.29	115	2.00	2.53		
Toluene*	0.080	0.050	04/23/2014	ND	2.16	108	2.00	2.19		
Ethylbenzene*	0.661	0.050	04/23/2014	ND	2.14	107	2.00	2.07		
Total Xylenes*	1.73	0.150	04/23/2014	ND	6.22	104	6.00	1.49		
Total BTEX	2.47	0.300	04/23/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 202 % 89.4-126

Chloride, SM4500Cl-B			mg/kg				Analyzed By: AP		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	04/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	57.2	50.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	7630	50.0	04/22/2014	ND	195	97.7	200	3.58	

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 234 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

July 08, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: YESO VIKING CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/01/14 15:40.

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,



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: 07/01/2014
Reported: 07/08/2014
Project Name: YESO VIKING CTB
Project Number: 700608.360.01
Project Location: EDDY

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH 1 5' (H402004-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/08/2014	ND	416	104	400	3.92	
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	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane		111 %	65.2-140						
Surrogate: 1-Chlorooctadecane		116 %	63.6-154						

Sample ID: BH 1 10' (H402004-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/08/2014	ND	416	104	400	3.92	

Sample ID: BH 1 15' (H402004-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/08/2014	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/01/2014
Reported: 07/08/2014
Project Name: YESO VIKING CTB
Project Number: 700608.360.01
Project Location: EDDY

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH 1 20' (H402004-04)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/08/2014	ND	416	104	400	3.92	

Sample ID: BH 2 5' (H402004-05)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	07/08/2014	ND	416	104	400	3.92	
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	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	

Surrogate: 1-Chlorooctane 115 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

Sample ID: BH 2 10' (H402004-06)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/08/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/01/2014
 Reported: 07/08/2014
 Project Name: YESO VIKING CTB
 Project Number: 700608.360.01
 Project Location: EDDY

 Sampling Date: 06/26/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BH 2 15' (H402004-07)

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	07/08/2014	ND	416	104	400	3.92	

Sample ID: BH 3 5' (H402004-08)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/08/2014	ND	416	104	400	3.92	
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	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

Sample ID: BH 3 10' (H402004-09)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/08/2014	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

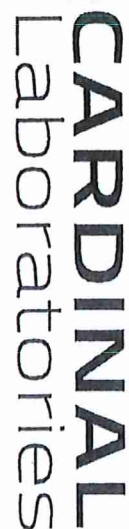
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Celestine D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal change. Please for written change to 1/27/1 200.0000. #54

September 22, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: YESO VIKING CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/17/14 9:31.

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: 09/17/2014
Reported: 09/22/2014
Project Name: YESO VIKING CTB
Project Number: 70060836001
Project Location: EDDY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Celey D. Keene

Sample ID: S-1 2' (H402880-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/19/2014	ND	400	100	400	0.00	

Sample ID: S-2 2' (H402880-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	09/19/2014	ND	400	100	400	0.00	


Sample ID: S-3 2' (H402880-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	09/19/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Labby / Spe</u>		BILL TO		ANALYSIS REQUEST																							
Project Manager: <u>D. Hollins</u>		P.O. #: <u>554366 28</u>																									
Address: <u>408 U.S. 1</u>		Company: <u>Gray</u>																									
City: <u>Acadia</u>		Attn: <u>Chris Jones</u>																									
State: <u>NM</u> Zip: <u>88210</u>		Address:																									
Phone #: <u>575.246.8768</u> Fax #:		City:																									
Project #: <u>20060830001</u> Project Owner: <u>Gray</u>		State:																									
Project Location: <u>Yess V. King</u> <u>CTB</u>		Zip:																									
Sampler Name: <u>G. Barza</u>		Phone #:																									
FOR LAB USE ONLY		Fax #:																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
<u>4402880-</u>	<u>Q5.1 2</u>	<u>1</u>				<u>1</u>							<u>9-16-14</u>		<u>1</u>												
	<u>Q2 S-2 2</u>	<u>1</u>				<u>1</u>							<u>9-16-14</u>		<u>1</u>												
	<u>Q3 S-3 2</u>	<u>1</u>				<u>1</u>							<u>9-16-14</u>		<u>1</u>												
PLEASE NOTE: Liability and damage. 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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal. No claim is based upon any of the above stated reasons or otherwise.																											
Relinquished By: <u>[Signature]</u>		Date: <u>9/17/14</u>		Received By: <u>[Signature]</u>		Time: <u>9:31</u>		Date: <u>9/31</u>		Receiver By: <u>[Signature]</u>		Time: <u>9:31</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:													
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)		REMARKS:																					
Cool <input type="checkbox"/> Intact <input type="checkbox"/>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		<u>7.2c</u>																							
Sampler - UPS - Bus - Other:		<u>7.2c</u>		<u>car</u>																							

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

November 06, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: YESO VIKING

Enclosed are the results of analyses for samples received by the laboratory on 10/03/14 14:30.

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: 10/03/2014
Reported: 11/06/2014
Project Name: YESO VIKING
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/02/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 2.5' (H403041-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/08/2014	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE

Project Manager: DAVI O ADLINS

Address: 408 W. Texas Ave.

City: Artesia **State:** NM **Zip:** 88210

Phone #: 575-746-8768 **Fax #:** 575-746-8905

Project #:

Project Name: YESO VILLAG

Project Location:

Sample Name: D. ADLINS

FOR LAB USE ONLY

P.O. #: 0855930028

Company: Talon/LPE

Attn: OXY

Address:

City: Chris Jones

State: **Zip:**

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D. H403041 **Sample I.D.** 5-3, (2/5) 2.5'

Matrix: ☒ GROUNDWATER ☐ WASTEWATER ☐ SOIL ☐ OIL ☐ SLUDGE ☐ OTHER:

Preserv: ☐ ACID/BASE: ☐ ICE / COOL ☐ OTHER:

Containers: (G)RAB OR (C)OMP. # CONTAINERS

Date: 10/2/19 **Time:** 0950

DATE **TIME**

REMARKS: TOTAL CHLORIDES

Relinquished By: [Signature] **Date:** 10-3-19 **Received By:** [Signature] **Date:** 10-3-19

Relinquished By: [Signature] **Date:** 10-3-19 **Received By:** [Signature] **Date:** 10-3-19

Delivered By: (Circle One) **Sample Condition:** ☒ Cool ☐ Intact ☐ Yes ☐ No

Sampler: ☐ SPS ☐ Bus ☐ Other

Checked By: [Signature] **Initials:** [Signature]

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

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

REMARKS:

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