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ARTESIA 408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.748.8905

HOBBS 318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658

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

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

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

ENVIRONMENTAL CONSULTING ENGINEERING DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING January 16, 2012

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

Subject: Remediation and Closure Report Cimarex Energy Neste Williams Federal No. 2 API # 30-015-25933 2RP-1222

Dear Mr. Bratcher,

Cimarex Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Neste Williams Federal No. 2 release. The results of our soil assessment, completed remediation activities and closure request are submitted herein.

# **Incident Date**

July 3, 2012

# **Background Information**

The Neste Williams Federal No. 2 is located approximately thirty-five (35) miles east of Artesia, New Mexico. The legal location for the site is Section 6, Township 18 South and Range 31 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.77847 North and -103.90628 West.

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 Kermit-Berino complex with 0 to 3 percent slopes, eroded. The local surface and shallow geology is Holocene to Pleistocene in age and is comprised of eolian sands and piedmont deposits which include silty soils under lain with hard caliche. According to the Texaco/Chevron Eddy County Water Trend Data Map (2005), the depth to groundwater is approximately 325-feet deep.

The ranking for this site is 0 based on the as following:

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

NMOCD ARTESIA

# **Incident Description**

On July 3, 2012 the clean out plate on back of the oil tank had corroded causing a release of 55 barrels of oil inside the unlined containment berm around the tank battery. A vacuum truck was immediately called and 52 barrels of standing fluids were recovered. The remaining 120 barrels of oil were transferred to a stock tank.

# Remedial Actions Taken

Talon personnel mobilized to the site to begin excavation of the impacted area in accordance with the approved work plan. The impacted soil within the area of the release was excavated to a depth of 3.5-feet deep and transported to a NMOCD approved solid waste disposal facility, Lea Land, LLC, pursuant to the work plan. The excavated area was left open until approval to backfill was obtained. The soil sample locations are illustrated on the attached site plan.

Soil samples were collected by Talon personnel wearing clean nitrile gloves. The samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M and volatile organics (BTEX) using EPA Method 8021B. The complete laboratory report is attached as Appendix II.

# **Analytical Results**

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Analytical results received from Cardinal Laboratories are summarized below:

# Date of Report: January 23, 2013

<u>Sample</u>	BTEX	<u>TPH</u> (mg/kg)
S-2, 3.5'	56.4	2527
S-3	275	27200
S-4	<0.300	75.2
S-5	<0.300	<10
S-6	9.27	4270

# Date of Report: February 12, 2013

Sample TPH (mg/kg)

S-7 1209.1

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 5,000 mg/kg.

# **Summary & Conclusion**

- Groundwater in the project vicinity is greater than 325-feet below land surface per the Texaco/Chevron Eddy Co. Water Trend Data Map (2005).
- The impacted area was excavated to a depth of 3.5-feet deep. The impacted soil was transported to a NMOCD approved solid waste disposal facility, Lea Land, LLC.
- Confirmation soil samples were collected from the impacted areas. The soil samples were submitted to the laboratory for TPH analysis using Method 8015M and BTEX analysis using Method 8021B.
- Upon the approval of the confirmation samples, by the BLM on February 15, 2013, the excavated area was backfilled to grade using new material transported from a local borrow pit and the berm was reconstructed. The approval from BLM is presented in Appendix I.
- A 20 mil liner was installed inside the tank battery and berms. Gravel was then placed on top of the liner.
- Based on the depth to groundwater and the contamination levels detected in the soil, it is unlikely that the impact identified from this release will pose a threat to groundwater due to the completed remediation activities.

# Closure

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Therefore, on behalf of Cimarex Energy, we respectfully request that no further actions be required and that closure with respect 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

M. Wilson Kimberly M. Wilson

Project Manager

David J. Adkins District Manager

# SITE MAP ł. . i . t :

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# Project Correspondence Sheet

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# **APPENDIX I**

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# APPROVAL FROM BLM

# Michael Stubblefield

From: Sent: To: Cc: Subject: Amos, James [jamos@blm.gov] Friday, February 15, 2013 2:39 PM Michael Stubblefield Bratcher, Mike, EMNRD Re: Cimarex Energy Co. Neste Willims Federal No.2

Mike (both),

I think we are OK to backfill, unless Mike see's any reason not to. thanks On Fri, Feb 15, 2013 at 1:08 PM, Michael Stubblefield <<u>mcstubblefield@talonlpe.com</u>> wrote:

Jim.

Have you reviewed the analytical reports for the remediation at the Cimarex Energy Co. Neste Williams Federal No.2? Do we have approval to start backfilling the excavated area at the Tank Battery? Please contact me if further information is required.

Mike Stubblefield Project Manager Talon/LPE 408 West Texas Avenue

Artesia, New Mexico 88210 (575) 746.8768 phone (575) 746.8905 fax

(575) 441.7254 cell

www.talonlpe.com



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

Staples Foundation for Learning Hall of Fame Recipient: 2010

# **APPENDIX II**

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# LABORATORY RESULTS

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January 23, 2013

MIKE STUBBLEFIELD TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

**RE: NESTE WILLIAMS FEDERAL NO. 2** 

Enclosed are the results of analyses for samples received by the laboratory on 01/18/13 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg D Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	01/18/2013	Sampling Date:	01/17/2013
Reported:	01/23/2013	Sampling Type:	Soil
Project Name:	NESTE WILLIAMS FEDERAL NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.020.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 6 - T18S - R31E		

#### Sample ID: S-2 3.5' (H300145-01)

BTEX 8021B	mg	/kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.31	0.200	01/23/2013	ND	2.09	104	2.00	3.79	
Toluene*	16.7	0.200	01/23/2013	ND	2.10	105	2.00	3.61	
Ethylbenzene*	4.24	0.200	01/23/2013	ND	2.11	105	2.00	3.20	
Total Xylenes*	34.1	0.600	01/23/2013	ND	6.50	108	6.00	2.79	
Total BTEX	56.4	1.20	01/23/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	171	% 89.4-12	6				·		
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	517	50.0	01/22/2013	ND	167	83.7	200	6.36	
DRO >C10-C28	2010	50.0	01/22/2013	ND	166	83.0	200	5.23	
Surrogate: 1-Chlorooctane	113	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	124	% 63,6-15	4						

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\*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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#### Analytical Results For:

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

Received:	01/18/2013	Sampling Date:	01/17/2013
Reported:	01/23/2013	Sampling Type:	Soil
Project Name:	NESTE WILLIAMS FEDERAL NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.020.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 6 - T18S - R31E		

#### Sample ID: S-3 (H300145-02)

BTEX 8021B	mg,	/kg	Analyze	d By: AP				<u> </u>	S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/23/2013	ND	2.09	104	2.00	3.79	
Toluene*	32.5	0.500	01/23/2013	ND	2.10	105	2.00	3.61	
Ethylbenzene*	76.3	0.500	01/23/2013	ND	2.11	105	2.00	3.20	
Total Xylenes*	166	1.50	01/23/2013	ND	6.50	108	6.00	2.79	
Total BTEX	275	3.00	01/23/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	170 5	% 89.4-12	6			- · · • -	<u>.                                    </u>		
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4200	50.0	01/22/2013	ND	167	83.7	200	6.36	
DRO >C10-C28	23000	50.0	01/22/2013	ND	166	83.0	200	5.23	
Surrogate: 1-Chlorooctane	260	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	548	% 63.6-15	4	•					

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\*=Accredited Analyte

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Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/18/2013	Sampling Date:	01/17/2013
Reported:	01/23/2013	Sampling Type:	Soil
Project Name:	NESTE WILLIAMS FEDERAL NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.020.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 6 - T18S - R31E		

#### Sample ID: S-4 (H300145-03)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Ahalyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2013	ND	2.09	104	2.00	3.79	
Toluene*	<0.050	0.050	01/23/2013	ND	2.10	105	2.00	3.61	
Ethylbenzene*	<0.050	0.050	01/23/2013	ND	2.11	105	2.00	3.20	
Total Xylenes*	<0.150	0.150	01/23/2013	ND	6.50	108	6.00	2.79	
Total BTEX	<0.300	0.300	01/23/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113 9	% 89.4-12	6						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2013	ND	167	83.7	200	6.36	
DRO >C10-C28	75.2	10.0	01/22/2013	NÐ	166	83.0	200	5.23	
Surrogate: 1-Chlorooctane	76.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	85.6	63.6-15	4						

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Celez D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/18/2013	Sampling Date:	01/17/2013
Reported:	01/23/2013	Sampling Type:	Soil
Project Name:	NESTE WILLIAMS FEDERAL NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.020.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 6 - T18S - R31E		

### Sample ID: S-5 (H300145-04)

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BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2013	ND	2.09	104	2.00	3.79	
Toluene*	<0.050	0.050	01/23/2013	ND	2.10	105	2.00	3.61	
Ethylbenzene*	<0.050	0.050	01/23/2013	ND	2.11	105	2.00	3.20	
Total Xylenes*	<0.150	0.150	01/23/2013	ND	6.50	108	6.00	2.79	
Total BTEX	<0.300	0.300	01/23/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9		ю				· · ·		
трн 8015м	ntg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2013	ND	167	83.7	200	6.36	
DRO >C10-C28	<10.0	10.0	01/22/2013	ND	166	83.0	200	5.23	
Surrogate: 1-Chlorooctane	65.9	65.2-14	0			<b>.</b>			
Surrogate: 1-Chlorooctadecane	75.9	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



:	TALON LPE MIKE STUB 408 W. TEX ARTESIA NI	BLEFIELD (AS AVE.		
, 1	Fax To:	(575) 745-8905		
Received:	01/18/2013		Sampling Date:	01/17/2013
Reported:	01/23/2013		Sampling Type:	Soil
Project Name:	NESTE WILLIAMS FEDERAL NO.	2	Sampling Condition:	Cool & Intact
Project Number:	701162.020.01		Sample Received By:	Jodi Henson
Project Location:	SEC. 6 - T185 - R31E			

#### Sample ID: S-6 (H300145-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2013	ND	2.09	104	2.00	3.79		
Toluene*	0.178	0.050	01/23/2013	ND	2.10	105	2.00	3.61		
Ethylbenzene*	1.75	0.050	01/23/2013	ND	2.11	105	2.00	3.20		
Total Xylenes*	7.34	0.150	01/23/2013	ND	6.50	108	<b>6.00</b>	2.79		
Total BTEX	9.27	0.300	01/23/2013	ND						
Surrogate: 4-Bromofluorobenzene (PID	717 9	6 89.4-12	6							
ТРН 8015М	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	260	50.0	01/22/2013	ND	167	83.7	200	6.36		
DRO >C10-C28	4010	50.0	01/22/2013	ND	166	83.0	200	5.23		
Surrogate: 1-Chlorooctane	73.1 9	65.2-14	0							
Surrogate: 1-Chlorooctadecane	119 %	63.6-15	4							

#### Cardinal Laboratories

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\*=Accredited Analyte

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Celing D. Kune

Celey D. Keene, Lab Director/Quality Manager

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#### **Notes and Definitions**

S-06	ļ	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.
NĎ	:	Analyte NOT DETECTED at or above the reporting limit
RPD	۱ ,	Relative Percent Difference
**	1	Samples not received at proper temperature of 6°C or below.
***	ļ	Insufficient time to reach temperature.
-		Chloride by SM4500CI-B does not require samples be received at or below 6°C
		Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D.Kune

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories...

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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	ANALYSIS REQUEST																						Add'l Fax #:					
	BILL TO		iny: Talea/ LPE		35:		Zip:				40 d.L	<i>w</i> :	BOIS DATE DATE DATE	/ 11/10/13 4:300 /		+-					inder beset in control or lost, data be indeed to the amount just by the client for the dats made in writing and received by Condina (white). O days after completion of the applicable business interroptions, business to use a typelia hearred by client, its substantias.	Phone Result: Dyes	CON Fax Result: D Yes D NO REMARKS:			CHECKEP BY:	(MXI)	92,53326
K (575) 393-2476		field P.O. #.	St Ruc.	State: N.M. Zip: 88210 Attn:	Fax #: Address	Project Owner: Cinalch Energy (o, City:	rdcro/ No. 7. State:			MATRIX	ЯЭТ	I OR ( I DWA I DWA I DWA E	CONTRER SOIL SOIL SOIL OIL SOIL SOIL SOIL SOIL								ទោក នុស្សជាទទឹក សេកាស់ក្លា ហេ នាហ្វ សំណា នានាស្លា សំណាស់ Dased តា ពលារាមថា មានរំបែរ សំណា ចំលោក នេស្សជាមិនសមាន និងនៅ be ៩៩៩កេខ៨ សេវាមិន៨ យ៉ាងទេន ការថា និយា អារាភិរាជ្ញា ជាថា តេខេតមាន៨ ទទំពុមនាជា ដំណាងឆ្លាន៖ ព្រៃសំណើកច្លា សំណាមព ពីនៅរាងថាលា, រីសានាំថាថា៖ ស្តែកែរហូរអ៊ីចាតា, សែង ន ៤ រានតេ	e of services here under by Constraint, recommilies of whether each dailing to besed upon enviol the narrow stated (   Dates	10	Date: Received By:	Time:	Samp	S A EVES EVES	† Cardinal cannot accept verbal changes. Please fax written changes to (575) 398/2326
(575) 393-2326 FAX (575) 393-2476	Company Name: Talen / LPE	Project Manager: Mike Sru 45 Le/icld	Address: 40% West Tokas Ruc.	City: Rrtecia	Phone #: 575 - 441-7554	Project #: 70 1162. 520. 61	Project Name: Nesle Williams Federal	Project Location: Sec. 6 - 7185. 831 E	Sampler Name: mine Suggid	FOR LAB USE ONLY		Lab I.D. Sample I.D.	R3D045	1 5-7 3.5'	2.5.2	्र	15.5	5 S.k			re-volution to the second states of control is thank you of initia states made and an any sum and sum an issues. All shows the initiating these for negligences and any other states when any sum and any sum and service. In no event shell Cardhal be lable for incidental or consequential sharpers including without findingon,	anuates of suscessions unable out of our related to the performance of services have Relinquished By:   Date: //	marchentral	Relinquished By:		Delivered By: (Circle One)	Sampler - UPS - Bus Other	† Cardinal cannot accept verbal



February 12, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NESTE WILLIAMS FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/06/13 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg & Keine

Celey D. Keene Lab Director/Quality Manager

Page 1 of 4



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

Received:	02/06/2013	Sampling Date:	02/05/2013	
Reported:	02/12/2013	Sampling Type:	Soil	
Project Name:	NESTE WILLIAMS FEDERAL BATTERY	Sampling Condition:	Cool & Intact	
Project Number:	701162.020.01	Sample Received By:	Daniel Wade	
Project Location:	SEC. 16 - T18S - R31E		· 、	

#### Sample ID: S-7 (H300339-01)

Т

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	59.1	10.0	02/08/2013	ND	203	101	200	10.2	
DRO >C10-C28	1150	10.0	02/08/2013	ND	1 <b>9</b> 2	96.1	200	15.1	
Surrogate: 1-Chlorooctane	82.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	123	% 63.6-15	4						

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damageta, Cardinal's liability and client's excitative 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 neplayence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal webin thirty (30) days after completion of the applicable service. In no event, shall be liable for incleanable or consequential domages, including, without finitation, business interruptions, less of use, or loss of profits incurred by Client, its subsidiaries, attiliates or auccessors 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 statiof reasons or altervise. 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. Kune

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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's kability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be imited to the smount 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 hull with written approval of Cardinal Laboratories.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

- 1	ANALYSIS REQUEST											,							D No   Add'l Phone #:	1				Page
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	DIL THA	P.O. #:	Company: Talon/ Lot		Address:	y:	State: Zip:	<b>4</b>	Fax #:	PRESERV SAMPLING			215/13				t, shall be fimited to the amount paid by t and by Continal votion 30 stave after com-	fase, or loss of profits incurred by client, of upon any of the above stated reasons		Le la			Children and Child	1] 39312326
		7.4 7.4	Co	Zip: 89.210 Attn:		Project Owner: Cimgrey Energy City:		44		MATRIX	еязиія матея вэтачи вэтачи е	NOD 1					PLEASE NOTE: Jibbilly and Damages. Cardrafs stabilly and clenits exclusive ermedy for any takin when a based of and that hall be finded to like amount paid by the dent for the and the first of the amount paid by the dent for the and the second for	out limitation, business interruptions, loss of al <u>, rega</u> rdices <u>of whether such claim is base</u>	Received By:	560	Received By:	Commit Condition		fax written changes to (575) 393)
(575) 393-2326 FAX (575) 393-2476		لدفرداما	Ave.	State: NM Zip			Federal buttery	RAIE I			ок (с)онг. С.	8 <b>4</b> 8(9)	S				id citent's exclusive remedy for any cla ther cause whatsoever shall be deeme	consequental demages, including with ance of services hereunder by Carding	Date: Z / L / Zol Z	TIMe: 50	Date: Re		4	ai changes. Please fax
(575) 393-2326 F	Cumpany value.   a lov   the	Project Manager: nike CTUINLEFICIU	408 Will Taras Ave.	Arteria	6526-124-363	10.020.231100	Project Name: NesTe William Federal battery	Project Location: 200, 16. 7185. RTIE	in elstelled		Sample I.D.		5.7		-		and Demages. Cardinal's liability and Eng those for negligence and any off	Cardinal be flable for incidental or co sing out of or related to the performe		eeril		Delivered Bv: (Circle One)	- Bus - Other:	† Cardinal cannot accept verbai changes. Please
Company Mana		Project Manage	Address:	City:	Phone #:	Project #: 7(	Project Name:	Project Locatio	Sampler Name:	FOR LAB USE CHEY	Lab I.D.	420339	/				PLEASE NOTE: Liablity & analyzes. All chains includ	service. In no evant shall ( officient of suppervise aris	Kelinguished B	marchellin	Kelinquished By:	Delivered Bv	Sampler • UPS	† Cardinal

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District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 1 16 on back side of form

Release Notification and Corrective Action													
						<b>OPERA</b>	TOR		🔲 Initi	ial Report	$\boxtimes$	Final Repo	rt i
		Cimarex En		62683)		Contact : J	ames Tinney						
		s Rd., Carlsb		88220			No. : 575-706-0						
Facility Na	m <del>e</del> : Neste	e Williams Bat	itery			Facility Ty	e: Comingle B	attery					
Surface Ow	mer :			Mineral C	Owner		·····		API #3	0-015-2593	3 2RI	P-1222	
	+			- LOCA	ATIO	N OF RE	LEASE						
Unit Letter G	Section 6	Township 18S	Range 31E	Feet from the	North	/South Line	Feet from the	East/	West Line	County Ec	idy		
	+		Latitu	de <u>32-46-391</u>	<u>v</u>	Longitud	e <u>m-103-54-25 \</u>	W	يۇچىلىدىنىيە بەرار چۈنىدانى 				
				NAT	URE	OF REL	EASE						
Type of Reic	ase : Crude	: Oil					Release : 55 bbl	s	Yolume I	Recovered;	52 bbls	·····	7
Source of Re	lease : Pres		s blow out	pack off rubber o	n	Date and H	lour of Occurrenc	:0;	Date and	Hour of Disc	covery		
tubing hange		<u></u>	<u> </u>										
Was Immedi	ate Notice		Yes 🗌	No 🗌 Not R	equired	If YES, To Mike Brate	whom? cher/OCD let msg	g, Jim A	unos/BLM				
By Whom?				<b>.</b>		Date and H							]
Was a Water	course Rea	ched?	Yes 🛛	No		If YES, Vo	Jume Impacting t	ho Wate	ercourse	6.1920-9-00-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0			
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*			,							1
1		• •	-										
	,												
Describe Cat	of Prob	em and Reme	dial Action	Taken.* On Jul	y 3, 20	2 the clean o	ut plate on back o	f the ol	I tank had	conoded cau	sing a r	clease of 55	585ab (387 CH
barrels of oil	inside the u	unlined contain	nment ben		battery	7. A vacuum	truck was immedi						
							e correction of th	nis relea	ase. The im	pacted area	was ox	cavated to a	1
depth of 3.5-1	feet deep. 7	The impacted s	soil wa <mark>s</mark> tra	insported to a NM	IOCD a	pproved solid	waste disposal fa	cility, I	Lea Land, L	LC. Confirm	nation :	soil samples	
were collecte	d from the	impacted are	as. The so	il samples were a	submitte	ed to the labo	ratory for TPH a	nalysis	using Meth	od 8015M a	nd BT	BX analysis	
							February 15, 2013						
was then plac	mansported	f the liner	corrow pri	and the perm wi	is recon	structed. A z	0 mil liner was in	istaneo	Inside the	tank battery a	and ber	ins, Gravei	ł J
I hereby certi	fy that the i	nformation giv	ven above	is true and compl	ete to th	e best of my	knowledge and un	derstan	d that purs	uant to NMO	CD rul	es and	
regulations al	operators	are required to	report and	Vor filo certain re	eleaso no	tifications an	d perform correct	ivo acti	ons for rele	ases which n	iay end	anger	
							rked as "Final Re						
							n that pose a three						
federal, state,	nnent. In a	denion, MMU	CD accept	ance of a C-141 r	eport ac	bes not relieve	the operator of re	esponsi	bility for co	mphance with	in any c	other	
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Signature:	ame	2-lesson		<u>_1-17-14</u>									
					1	Approved by I	District Supervisor	г:					
Printed Name	Jaines 11	нцсу					· · · · · · · · · · · · · · · · · · ·					<del></del>	
Title: Produc	tion Porem	R11			A	pproval Date	\$	E	xpiration D	ato:			
	1 1	<b>`</b>										}	1
E-mail Addre	B-mail Address: jtinney@cimarex.com Conditions of Approval: Attached												
Date: 1/16/2	013	Phon	a: 5 <u>75-7(</u>	6-0095									

\* Attach Additional Sheets If Necessary

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