

**RECEIVED**Form 3160-3  
(August 2007)

JUL 24 2012

**NMOC D ARTESIA**

OCD Artesia

UNITED STATES

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 20105. Lease Serial No.  
LC 067132

6. If Indian, Allottee or Tribe Name

**NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY CO. OF COLORADO

3a. Address

600 N. Marlenfeld st Suite 600, Midland, TX 79701

3b. Phone No. (include area code)

432-571-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL &amp; 1980' FWL, Unit K, Section 27, T18S-R29E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Empire Federal Com #19. API Well No.  
30-015-23102

10. Field and Pool or Exploratory Area

Turkey Track; Atoka (Gas)

11. Country or Parish, State

EDDY

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1. Cimarex Energy has contracted Talon/LPE to do the site assessment for reclamation of the location at the Empire Federal Com No. 1, a P&A location.

2. On 5/1/2012 Talon/LPE mobilized personnel to the site to carry out soil sampling activities for the construction of a work plan. Grab soil samples were collected from the surface of the location. The soil samples were sent to Cardinal Laboratories for analysis of total Chlorides via Method SM4500Cl-B. The results for the soil samples are attached. A site plan is also attached.

3. The Impacted soil from the location at sample points labeled S-1, S-6, S-7 and S-8 will be excavated to a depth of 1-foot deep. The excavated soil will be placed in the drilling pit area before installation of liner.

4. A 20 mil liner approximately 241-feet long by 175-feet wide will be placed over the drilling pit area. The edges of the liner will be keyed in a minimum of 3-feet deep. The soil removed from the location will be placed on top of the liner in a minimum 2-foot soil lift. Top soil maybe used from local borrow pit.

5. The location will then be cut, ripped; cross-ripped and windrows will be installed. A 1-foot berm will be constructed up gradient of the location to divert run off waters for erosion control.

6. The location will be contoured to match the surrounding terrain and the location will be seeded using the recommended BLM seed mixture for the area.

*field test for chlorides @ 1' add. material may need to be removed down to 1000 ppm chlorides*

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Ronny Snow

Title Production Foreman

Signature

Date 6/21/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

SEPS

Date

7-20-12

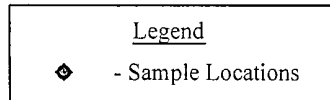
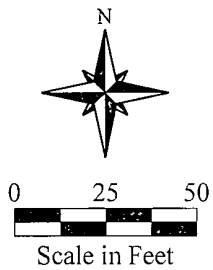
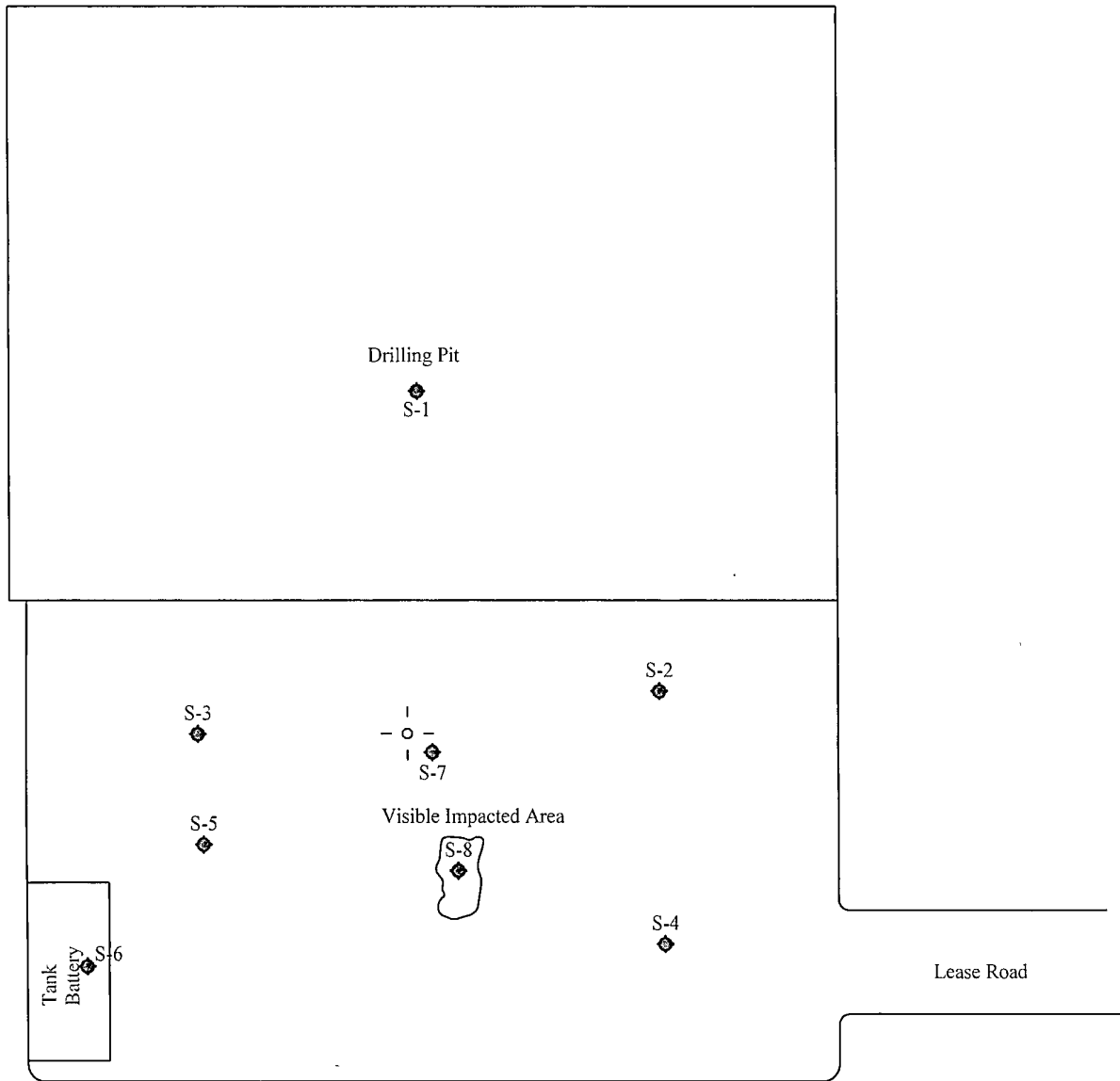
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Date: 06/07/2012  
 Scale: 1" = 50'  
 Drawn By: TJS

Empire Federal Com. No. 1 P&A Location  
 Cimarex Energy Company  
 Artesia, New Mexico  
 Figure 1 - Site Plan

May 02, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EMPIRE FED. NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 05/01/12 14:55.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

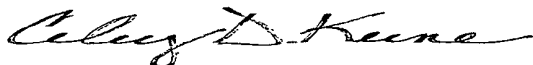
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Received:	05/01/2012	Sampling Date:	05/01/2012
Reported:	05/02/2012	Sampling Type:	Soil
Project Name:	EMPIRE FED. NO. 1	Sampling Condition:	** (See Notes)
Project Number:	701162.015.01	Sample Received By:	Jodi Henson
Project Location:	SEC.27-T18S-R29E		

**Sample ID: S-1 DRILLING PIT 0' BGS (H200994-01)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	05/02/2012	ND	432	108	400	3.77		

**Sample ID: S-2 LOCATION NE 0' BGS (H200994-02)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/02/2012	ND	432	108	400	3.77		

**Sample ID: S-3 LOCATION NW 0' BGS (H200994-03)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/02/2012	ND	432	108	400	3.77		

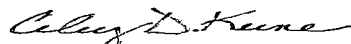
**Sample ID: S-4 LOCATION SE 0' BGS (H200994-04)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/02/2012	ND	432	108	400	3.77		

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	05/01/2012	Sampling Date:	05/01/2012
Reported:	05/02/2012	Sampling Type:	Soil
Project Name:	EMPIRE FED. NO. 1	Sampling Condition:	** (See Notes)
Project Number:	701162.015.01	Sample Received By:	Jodi Henson
Project Location:	SEC.27-T18S-R29E		

**Sample ID: S-5 LOCATION SW 0' BGS (H200994-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/02/2012	ND	432	108	400	3.77	

**Sample ID: S-6 TANK BATTERY 0' BGS (H200994-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	05/02/2012	ND	432	108	400	3.77	

**Sample ID: S-7 WELLHEAD 0' BGS (H200994-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	05/02/2012	ND	432	108	400	3.77	

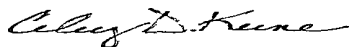
**Sample ID: S-8 VISIBLY IMPACTED AREA 0' BGS (H200994-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	43200	16.0	05/02/2012	ND	432	108	400	3.77	

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

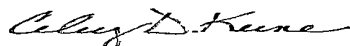
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received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

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Company Name: <u>Talon / LPE</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Mike Stubblefield</u>				P.O. #:				Total Laboratories											
Address: <u>408 West Teton Ave.</u>				Company: <u>Talon / LPE</u>															
City: <u>Accrington</u> State: <u>AL</u> Zip: <u>38210</u>				Attn:															
Phone #: <u>575-441-7254</u> Fax #:				Address:															
Project #: <u>701167, 015.01</u> Project Owner: <u>Cimarron Energy</u>				City:															
Project Name: <u>Empire Fed. No. 1</u>				State: Zip:															
Project Location: <u>sec. 22- T13S-R29E</u>				Phone #:															
Sampler Name: <u>Mike Stubblefield</u>				Fax #:															

FOR LAB USE ONLY		GRAB OR COMPOUND	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER			
<u>H200994</u>															
<u>1</u>	<u>S-1 Drilling pit 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>11:35A</u>	<u>/</u>
<u>2</u>	<u>S-2 Location NE 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>11:39A</u>	<u>/</u>
<u>3</u>	<u>S-3 Location NW 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>11:44A</u>	<u>/</u>
<u>4</u>	<u>S-4 Location SE 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>11:49A</u>	<u>/</u>
<u>5</u>	<u>S-5 Location SW 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>11:53A</u>	<u>/</u>
<u>6</u>	<u>S-6 Tank battery 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>12:05P</u>	<u>/</u>
<u>7</u>	<u>S-7 Wellhead 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>12:08P</u>	<u>/</u>
<u>8</u>	<u>S-8 Visibility impacted Area 0' bgs</u>	<u>G</u>			<u>/</u>								<u>6/1/2012</u>	<u>12:14P</u>	<u>/</u>

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Relinquished By: <u>Mike Stubblefield</u>		Date: <u>6/1/2012</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <u>2:55</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
Time:					

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus <u>Other:</u>	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Initials) <u>JS</u>