

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 06 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

NMOCD ARTESIA

SUNDRY 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.

5. Lease Serial No.
LC 062404

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

I. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CIMAREX ENERGY CO. OF COLORADO

3a. Address
600 N. Marientfeld 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)
1190' FNL & 660' FEL, Unit H, Section 20, T18S-R31E

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

8. Well Name and No.
Empire 20 Federal #1

9. API Well No.
30-015-23464

10. Field and Pool or Exploratory Area
Turkey Track, Morrow, North

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	P&A LOCATION
	<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 Company has contracted Talon/LPE to do reclamation activities on the Empire 20 Federal No. 1, a P&A'd location.

2. On 11/13/2012 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 location and closed drilling pit. The soil samples were sent to Cardinal Laboratories for analysis of total Chlorides via Method SM4500Cl-B, 8015M TPH and 8021B BTEX. The results for the soil samples and a site plan are attached.

3. The impacted soil at sample location S-5 will be excavated to a depth of 3-feet deep. The excavated soil will be transported to a NMOCD approved solid waste disposal facility.

4. The caliche from the location will be removed. The removed caliche will be deep buried on location or used as road closure berm across the location. New soil will be transported to the location from a local borrow pit and 1-foot will be placed over a section of the drilling pit with no vegetation at sample location S-7.

5. The location will be cut, ripped, cross-ripped and then windrows will be installed. A road closure berm will be installed to prevent access to the location.

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

Accepted for record
NMOCD

3/14/2013

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

Ronald Snow

Title Production Foreman

Signature

Ronald Snow

Date

12/20/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

James A. Arnes

Title SEPS

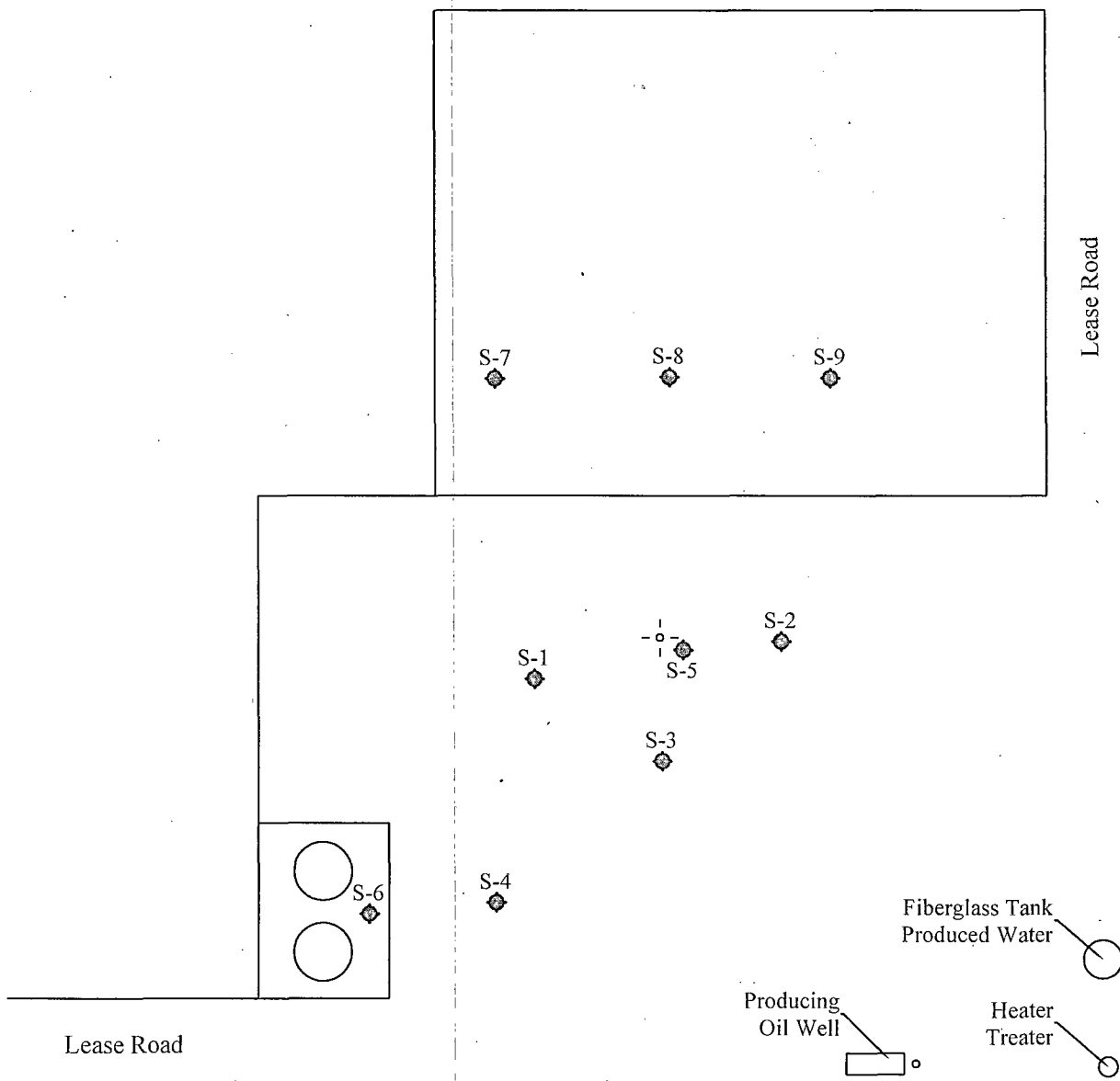
Date 2-3-13

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 CPO

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)



Legend

◆ - Sample Location



Date: 12/05/2012

Scale: 1" = 60'

Drawn By: TJS

Empire 20 Federal #1
Cimarex Energy Company
Artesia, New Mexico
Figure 1 - Site Plan



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

November 19, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EMPIRE 20 FEDERAL NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 11/15/12 15:40.

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.

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,

Celest 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:	11/15/2012	Sampling Date:	11/13/2012
Reported:	11/19/2012	Sampling Type:	Soil
Project Name:	EMPIRE 20 FEDERAL NO. 1	Sampling Condition:	** (See Notes)
Project Number:	701162.030.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 20 - T18S - R29E		

Sample ID: S - 1 0' (H202780-01)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7500	16.0	11/16/2012	ND	432	108	400	0.00		

Sample ID: S - 2 0' (H202780-02)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/16/2012	ND	416	104	400	0.00		

Sample ID: S - 3 0' (H202780-03)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/16/2012	ND	416	104	400	0.00		

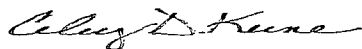
Sample ID: S - 4 0' (H202780-04)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/16/2012	ND	416	104	400	0.00		

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: 11/15/2012
 Reported: 11/19/2012
 Project Name: EMPIRE 20 FEDERAL NO. 1
 Project Number: 701162.030.01
 Project Location: SEC. 20 - T18S - R29E

 Sampling Date: 11/13/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S - 5 0' (H202780-05)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20600	16.0	11/16/2012	ND	416	104	400	0.00	

Sample ID: S - 6 0' (H202780-06)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/16/2012	ND	416	104	400	0.00	

Sample ID: S - 7 0' (H202780-07)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	11/16/2012	ND	416	104	400	0.00	

Sample ID: S - 8 0' (H202780-08)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/16/2012	ND	416	104	400	0.00	

Sample ID: S - 9 0' (H202780-09)

Chloride, SM4500Cl-B

mg/kg

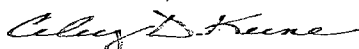
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/16/2012	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

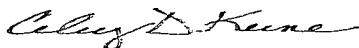
Notes and Definitions

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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* = Accredited Analyte

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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]

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