

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
DISTRICT
OCD-ARTESIA
SEP 08 2014

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMMN94839
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-620-1936		8. Well Name and No. ORACLE 21 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T25S R26E NWNW 0660FNL 0660FWL		9. API Well No. 30-015-35110-00-S1
		10. Field and Pool, or Exploratory COTTONWOOD DRAW
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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 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 checked="" 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex respectfully requests approval to plugback the Oracle 21 Federal 1 well to the Atoka as indicated below:

Notify BLM 24 hours prior to start of workover operations.

1. MIRU pulling unit. Kill well as necessary with 2% KCL. ND WH, NU BOP. Release AST 1X pkr @ 11499' & TOOH w/ tbg, GLVs & pkr. Stand back tbg, LD GLVs, and send pkr to be re-dressed.

*Contact office for go-forward procedure if pkr won't release.

2. MIRU wireline and make GR run down to +11450'. RIH w/ CIBP and set @ + 11400'. Pump 25 sx Class H cmt on top of CIBP, abandoning Morrow. Allow cmt to set, then RU pump truck and test csg to 500 psi.

NOTE: BLM cmt plug requirements = 100' + 10%/1000' OR 25 sx, whichever is greater

3. TIH w/ 2-3/8" tbg to tag TOC @ + 11050', hydrotesting tbg in hole to 9000 psi. Circulate 24 hrs.

**WITNESS
PLUG BACK**
Accepted for record
NMOCD 10/9/14
**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #258598 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by PAUL SWARTZ on 08/28/2014 (14PRS0025SE)	
Name (Printed/Typed) TERRI STATHEM	Title COORDINATOR REGULATORY COMPLIA
Signature (Electronic Submission)	Date 08/27/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By (BLM Approver Not Specified)	Title
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.	Date 08/28/2014
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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Office Carlsbad

APPROVED

AUG 28 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED
**SUBJECT TO LIKE
APPROVAL BY STATE**

Additional data for EC transaction #258598 that would not fit on the form

32. Additional remarks, continued

KCL. POOH & stand back tbg.

Note: 2-3/8" 4.7# L80 tbg, 80% of Internal Yield Pressure = 8960 psi

4. RIH w/ 3-1/8" casing guns and perforate Atoka (10642' ? 10648') w/ 6 SPF at 120 degree phasing, total of 36 holes. Depth reference Halliburton Spectral Density Dual Spaced Neutron Log dated January 22, 2007. RD WL.

5. TIH w/ 1 .875" XN nipple, 10' x 2-3/8" tbg sub, redressed 4-1/2" AS 1X pkr, and on/off tool with 1.875" X nipple on 2-3/8" tbg string and set pkr @ + 10,600'.

NOTE: Expected reservoir pressure = 3700 psi

6. MIRU Petroplex and acidize Atoka perms (10642' ? 10648') w/ 15% HCL acid down 2-3/8" tbg, per Petroplex recommendation. Flush w/ 80 bbls (2 tbg volumes) of 2% KCl. RDMO Petroplex.

7. If well will flow, then flow to sales until well dies before proceeding to step 8.

8. Release pkr and POOH w/ 2-3/8" tbg and pkr. TIH w/ seat nipple & open ended 2-3/8" tbg string, setting EOT @ + 10620'. Swab well as necessary.

9. ND BOP, NU WH. RDMO pulling unit and return well to production.

C102, WBD attached.

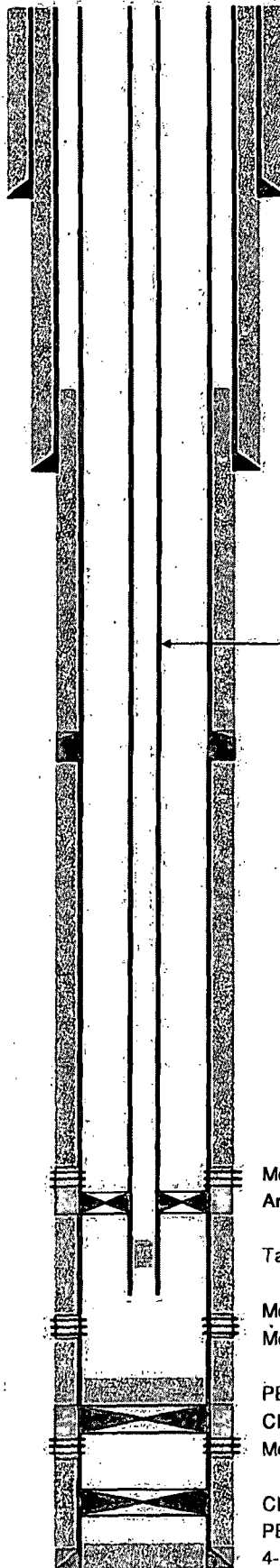
Revisions to Operator-Submitted EC Data for Sundry Notice #258598

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	PLUGBACK NOI	PLUGBACK NOI
Lease:	NMNM94839	NMNM94839
Agreement:		
Operator:	CIMAREX ENERGY COMPANY 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74103 Ph: 432-620-1936	CIMAREX ENERGY COMPANY OF CO 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701 Ph: 432.571.7800
Admin Contact:	TERRI STATHEM COORDINATOR REGULATORY COMPLIA E-Mail: tstathem@cimarex.com Ph: 918-295-1763	TERRI STATHEM COORDINATOR REGULATORY COMPLIA E-Mail: tstathem@cimarex.com Ph: 432-620-1936
Tech Contact:	TERRI STATHEM COORDINATOR REGULATORY COMPLIA E-Mail: tstathem@cimarex.com Ph: 918-295-1763	TERRI STATHEM COORDINATOR REGULATORY COMPLIA E-Mail: tstathem@cimarex.com Ph: 432-620-1936
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	ATOKA	COTTONWOOD DRAW
Well/Facility:	ORACLE 21 FEDERAL 1 Sec 21 T25S R26E 660FNL 660FWL	ORACLE 21 FEDERAL 1 Sec 21 T25S R26E NWNW 0660FNL 0660FWL



CURRENT
KB - 19' above GL

Cimarex Energy Co. of Colorado
Oracle 21 Federal #1
660' FNL & 660' FWL
Sec. 21, T-25-S, R-26-E, Eddy Co., NM
S. Gengler 02/15/2010



13-3/8", 48# H-40 csg @ 267'
cmtd w/ 340 sx, cmt circ

TOC @ 2342' by CBL

9-5/8", 40# J-55 csg @ 2693'
cmtd w/ 975 sx, cmt circ

352 jts 2 3/8" 4.7# L-80 Tbg

DV Tool @ 7967'
cmtd w/ 1110 sx

Gas Lift Valves @ 4527', 5739', 6528',
7255', 7959', 8684', 9378', 10104', 10798',
11459'

Morrow perms (11485' - 11500')
Arrowset 1-X pkr @ 11499'

Tagged fill @ 11,590' (SLM)
EOT @ 11602'

Morrow perms (11662' - 11670')
Morrow perms (11735' - 11742')

PBSD @ 11785'
CIBP @ 11800'
Morrow perms (11826' - 11870')

CIBP @ 11970'
PBSD @ 12292'
4-1/2" 11.6# P-110 @ 12340' cmtd w/ 1250 sx
TD @ 12350'



PROPOSED

KB - 19' above GL

Cimarex Energy Co. of Colorado

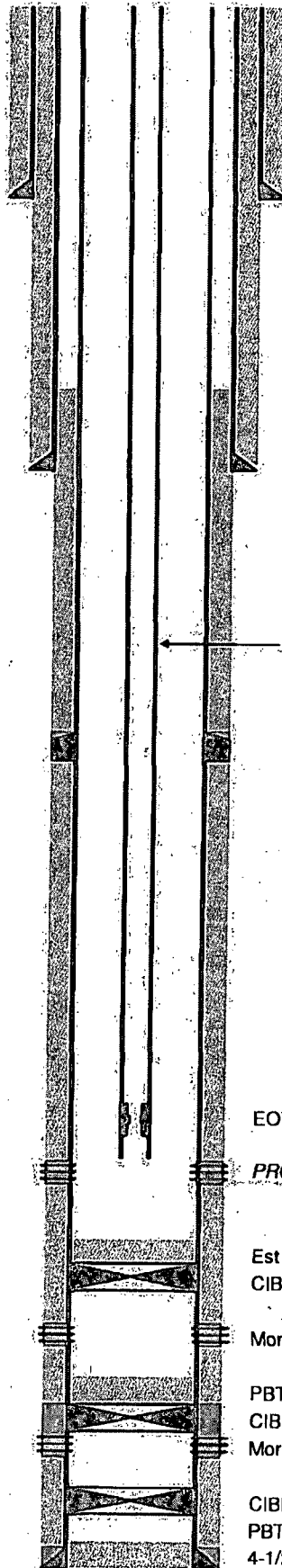
Oracle 21 Federal #1

660' FNL & 660' FWL

Sec. 21, T-25-S, R-26-E, Eddy Co., NM

H. Hubbard

06/16/2014



13-3/8", 48# H-40 csg @ 267'
cmtd w/ 340 sx, cmt circ

TOC @ 2342' by CBL

9-5/8", 40# J-55 csg @ 2693'
cmtd w/ 975 sx, cmt circ

2-3/8" 4.7# L-80 Tbg

DV Tool @ 7967'
cmtd w/ 1110 sx

EOT @ ± 10,620'

PROPOSED Atoka perms (10642' - 10648')

Est TOC @ 11185'
CIBP @ 11400', 16 sx cmt on top (~214')

Morrow perms (11485' - 11742')

PBTD @ 11785'
CIBP @ 11800'
Morrow perms (11826' - 11870')

CIBP @ 11970'
PBTD @ 12292'
4-1/2" 11.6# P-110 @ 12340' cmtd w/ 1250 sx
TD @ 12350'

DISTRICT I
1628 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pasheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1989

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pasheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30015-35110	Pool Code	Pool Name SAGE DRAW Atoka; WC (GAS)
Property Code 36005	Property Name ORACLE "21" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3399'

Surface Location

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
D	21	25 S	26 E		660	NORTH	660	WEST	EDDY

Bottom Hole Location if Different From Surface

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>[Signature]</i></p> <p>Printed Name: Terri Stathem</p> <p>Title: Regulatory</p> <p>Date: 8/27/14</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>Date Surveyed: <i>[Signature]</i></p> <p>Signature: <i>[Signature]</i></p> <p>Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>
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Conditions of Approval

Cimarex Energy Company
Oracle 21 Federal - 01
API 3001535110, T25S-R26E, Sec 21
August 28, 2014

1. Before casing or a liner is added, replaced, or repaired prior BLM approval of the design is required. Use notice of intent Form 3160-5.
2. Subject to like approval by the New Mexico Oil Conservation Division.
3. **Notify BLM 575-200-7902 Eddy Co. as work begins.** Some procedures are to be witnessed. If there is no response, call 575-361-2822, leave a voice mail with the API#, workover purpose, and a call back phone number
4. Surface disturbance beyond the existing pad must have prior approval.
5. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
6. Functional H₂S monitoring equipment shall be on location.
7. 3000 (3M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels) equipment shall be installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.
8. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
9. **The BLM PET witness is to run tbg tally and agree to depths, cement volumes, and placement. Sample each plug for cement curing time and tag and/or pressure test as requested by BLM PET witness.**
10. **Step 2. - tag (verify) the CBP setting depth of 11590 prior to setting the CIBP within 100' of the top Morrow perforation.**
11. **This procedure is subject to the statements numbered 11 through 13.**
12. Set cement plugs to cover a minimum of 100ft plus 10ft for every 1,000ft from the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks. Never use less than 25sx. Examples: A cement plug set at 8000 in 7" casing would require a min of 35sx. A 25sx plug in 5 ½" casing should cover 250ft, which may exceed 100ft plus 10ft per 1000ft.

13. Class H > 7500ft & C < 7500ft) cement plugs(s) will be necessary. For any plug that requires a tag or pressure test a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Formation isolation plugs of Class "C" to be mixed 14.8#/gal, 1.32 ft³/sx, 6.3gal/sx water and "H" to be mixed 16.4#/gal, 1.06ft³/sx, 4.3gal/sx water.
14. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
15. **Tag the Class H cement plug of Step 2 (minimum WOC of 8hrs) with tubing at 11150 or above.**
16. After setting the top plug and before perforating, perform a charted casing integrity test of 1500psig. Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 25 to 85 per cent of its full range. **Call BLM 575-200-7902 or 575-361-2822 and arrange for a BLM witness of that pressure test. Verify all annular casing vents are plumbed to the surface and open during this pressure test.** Pressure leakoff may require correction for approval. Include a copy of the chart in the subsequent sundry for this workover.
17. File intermediate **subsequent sundry** Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.
18. Submit the BLM Form 3160-4 **Recompletion Report** within 30 days of the date all BLM approved procedures are complete.
19. Workover approval is good for 90 days (completion to be within 90 days of approval). A legitimate request is necessary for extension of that date.

An inactive/shut-in well bore is a non-producing completion that is capable of "beneficial use" i.e. production in **paying quantities** or of service use.

20. Submit evidence to support your determination that the well has been returned to active "beneficial use" for BLM approval on the Sundry Notice Form 3160-5 (the original and 3 copies) before 04/25/2015.
21. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

PRS 082814

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.