

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
AGTESIA DISTRICT
SEP 08 2014FORM 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.*5. Lease Serial No.
NMNM114350

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MEDWICK 32 FEDERAL COM 12H9. API Well No.
30-015-42150-00-X110. Field and Pool, or Exploratory
WILDCAT11. County or Parish, and State
WC-015 5262728A; WC (GAS)

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: HOPE KNAULS

E-Mail: hknauls@cimarex.com

3a. Address

600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 918.295.1799

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

Sec 32 T26S R27E Lot 1 0210FSL 0710FEL
32.000217 N Lat, 104.122014 W Lon**Non-Standard Location****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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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 recomplete 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 recompletion 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 ENERGY CO. RESPECTFULLY REQUESTS APPROVAL TO CHANGE THE ORIGINAL APD AS FOLLOWS:

Well will be drilled as a gas well in wolcamp.

Approved:

Pilot Hole TD: 7950'

KOP 6926'

EOC 7675'

MD 14093'

TVD 7424'

Surface-13 3/8" 48#, H-40 ST&C Casing, Setting Depth 400' MD/TVD

Intermediate-9 5/8" 36#, J-55 LT&C Casing, Setting Depth 1900' MD/TVD

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Accepted for record

705
9-8-14 NMOC

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #258716 verified by the BLM Well Information System.

For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by ED FERNANDEZ on 08/29/2014 (14EF0099SE)

Name (Printed/Typed) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 08/27/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 08/29/2014

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 Carlsbad

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.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL****SUBJECT TO LIKE
APPROVAL BY STATE****Non-Standard Location**

Additional data for EC transaction #258716 that would not fit on the form

32. Additional remarks, continued

Production-5 1/2" 17# L-80 LT&C Casing, Setting Depth 6926' MD/TVD
Production-5 1/2" 17# L-80 BT&C Casing, Setting Depth from 6926' to 14093' MD
Pool Bone Spring
2000# (2M) BOP System
3000# (3M) BOP System

Proposed:
No Pilot Hole
Pool Wolfcamp D

KOP 9258'
EOC 10253'
MD 16427'
TVD 9788'

Surface-13 3/8" 48#, H-40/J-55 Hybrid ST&C Casing, Setting Depth 400' MD/TVD
Intermediate-9 5/8" 36#, J-55 LT&C Casing, Setting Depth 1900 MD/TVD
Production-7", 32# L-80 LT&C Casing, Setting Depth 9215' MD/TVD
Production-7", 32# L-80 BT&C Casing, Setting Depth from 9215' to 9883' MD, 9719' TVD
Completion System-4 1/2" 13.5# P-110 BT&C Liner, Setting Depth from 9,175' to 16427' MD/9,788 TVD.

The liner Sft is calculated for the worst case scenario of running in the hole. 4 1/2" completion system will be ran in the hole and cemented from the 4 1/2" shoe up to previous 7" casing shoe with a 10% OH Excess. A liner hanger with an isolation packer or HES versaset liner hanger will be set at the top of the 4-1/2" completion system close to the KOP- The length of liner overlap is to help with the fracture treatment efficiency during the pumping down of guns/plugs

Surface
Lead cmt 60 sxs 1.75 yld, 13.50 ppg, 104 cubic feet, Class C + Bentonite + Calcium Chloride + LCM, 8.829 gps water.
Tail cmt 195 sxs 1.34 yld, 14.80 ppg, 260 cubic feet, Class C + LCM, 6.320 gps water. TOC: 0.
Excess 31%

Intermediate
Lead cmt 357 sxs, 1.88 yld, 12.9 ppg, 765 cubic feet, 35:65 (POZ:C) + Salt + Bentonite + LCM + Retarder, 9.650 gps water.
Tail: 111 sxs, 1.34 yld, 14.8 ppg, 173 cubic feet, Class C + retarder + LCM, 6.320 gps water. TOC: 0. Excess 44%

Production
Lead cmt 525 sxs, 2.46 yld, 11.90 ppg, 1292 cubic feet, 50:50 (Poz:H) + Salt + Bentonite + Dispersant + Retarder + LCM, 14.300 gps water.
Tail cmt 157 sxs, 1.33 yld, 14.5 ppg, 209 cubic feet, 50:50 (Poz:H) + salt + bentonite + fluid loss+ dispersant + retarder+ antifoam, 5.530 gps water
TOC 1700? 20% excess

Completion System
Tail cmt 540 sxs 1.19 yld, 15.6 ppg, 644 cubic feet, 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS + Retarder + LCM, 5.860 gps water. TOC: 9683' (200' into previous casing) 10% Excess No centralizers planned in the lateral section.

Add 5000# (5M) BOP System, keep 2(M) & 3(M) as approved for. BOPS will be tested by an independent service company. The ram preventer, choke manifold, and safety valves will be tested as follows: On the surface casing, pressure tests will be made to 250 psi low and 2000 psi high. On the intermediate casing, pressure tests will be made to 250 psi low and 3000 psi high. On the production casing, pressure tests will be made to 250 psi low and 5000 psi high.

C102, PRELIM DIREC. SVY, AND BOP ATTACHED