

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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.

HOBBS OCD

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

SEP 08 2014

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM01917
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: HOPE KNAULS E-Mail: hknaults@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 918.295.1763	8. Well Name and No. DOS EQUIS 11 FEDERAL COM 2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T24S R32E NWNE 330FNL 1650FEL 32.141872 N Lat, 103.383166 W Lon		9. API Well No. 30-025-41470-00-X1
		10. Field and Pool, or Exploratory TRISTE DRAW
		11. County or Parish, and State LEA 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 ENERGY CO OF COLORADO RESPECTFULLY REQUEST TO MAKE THE FOLLOWING CHANGES:

APPROVED:

SURFACE CASING- 13 3/8", 48#, H-40

INTERMEDIATE CASING- 9 5/8", 40#, N-80

TOC PRODUCTION-2000'

PROPOSED:

SURFACE CASING- HYBRID 13 3/8", 48#, J-55, STC

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #259914 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by CHRISTOPHER WALLS on 09/02/2014 (14CRW0204SE)	
Name (Printed/Typed) HOPE KNAULS	Title REGULATORY TECH
Signature (Electronic Submission)	Date 09/02/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By	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.	
Office	
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.	

APPROVED

/s/ Chris Walls

SEP 2 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

SEP 12 2014

Additional data for EC transaction #259914 that would not fit on the form

32. Additional remarks, continued

Designed for tension with a 1.8 design factor with effects of buoyancy in 8.30 ppg fluid Designed for collapse with a 1.125 design factor with full internal evacuation and a collapse force equal to a 8.30 ppg mud gradient.
Designed for Burst with a 1.125 design factor with a surface pressure equal to the fracture gradient at a setting depth less a gas gradient to surface.

INTERMEDITAE CASING- 9 5/8", 40#, J-55, LTC

Designed for tension with effects of buoyancy in 10 ppg fluid Designed for collapse with a 1.125 design factor evacuated 1/3 of TVD of next casing string with a collapse force equal to a 10.00 ppg mud gradient Designed for burst with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface

(LTC from 4900'-3900' & BTC to Surface)

LONSTRING CEMENT:

Lead: 830 sks Tuned Light system @ 10.8 ppg Yield, 2.77 Yield, 17.08 gal/sack
Tail: 1300 sks VersaCem System @ 14.5 ppg 1.2 Yield, 5.3 gal/sack
Excess: 28%

Proposed TOC for production 4700? (9 5/8" shoe @ 4,900?)

Pilot Hole to 11,400 Cemented Whipstock sidetrack with 345 sks Class H 15.6 ppg Yield, 1.2 cu ft/sk cement from 10,504-11,400.

This was verbally approved 9/2/2014 by Chris Walls

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CIMAREX ENERGY
LEASE NO.:	NM01917
WELL NAME & NO.:	2-DOS EQUIS 11 FEDERAL COM
SURFACE HOLE FOOTAGE:	330' FNL & 1650' FEL
BOTTOM HOLE FOOTAGE:	330' FSL & 1650' FEL
LOCATION:	Section 11, T. 24 S., R 32 E., NMPM
COUNTY:	Lea County, New Mexico

A. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#).

Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. IF OPERATOR DOES NOT HAVE THE WELL SPECIFIC CEMENT DETAILS ONSITE PRIOR TO PUMPING THE CEMENT FOR EACH CASING STRING, THE WOC WILL BE 30 HOURS. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possible water and brine flows in the Salado, Castile, Delaware, and Bone Spring.
Possible lost circulation in the Delaware and Bone Spring.

1. The 13-3/8 inch surface casing shall be set at approximately 1250 feet (in a competent bed below the Magenta Dolomite, which is a Member of the Rustler, and if salt is encountered, set casing at least 25 feet above the salt) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
- ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Pilot hole plugging is approved as written.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
- ☒ Cement as proposed. Operator shall provide method of verification.
4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

CRW 090214