

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

JAN 09 2012

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		RECEIVED	5. Lease Serial No. NMLC065710A
2. Name of Operator CIMAREX ENERGY COMPANY			6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET STE 600 MIDLAND, TX 79701		Contact: TRACIE CHERRY E-Mail: tcherry@cimarex.com	7. If Unit or CA/Agreement, Name and/or No. NMNM94514X
3b. Phone No. (include area code) Ph: 432-620-1959			8. Well Name and No. LUSK WEST DELAWARE UNIT 001
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T19S R32E 330FNL 330FEL			9. API Well No. 30-025-30518
			10. Field and Pool, or Exploratory LUSK DELAWARE, WEST
			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 checked="" 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 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 requests permission to recomplete the subject well in the Cherry Canyon formation and place well on production. If recompletion is successful, well name will change to Lusk Deep Unit, A-17.

SUBJECT TO LIKE APPROVAL BY STATE

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Procedure is as follows:

1. RU KILL TRUCK AND PRESSURE CASING TO 500 PSI. IF CASING TEST OK, MIRU WSU
2. CHECK WELL FOR PRESSURE ON TUBING AND ANNULUS. ND WELL HEAD? NU 3K BOP, RELEASE INJECTION PACKER & POH, LD INJECTION TUBING AND PACKER
3. RU WIRELINE AND RUN GAUGE RING & JUNK BASKET TO 6450?. POH AND RUN CIBP ON WIRELINE TO 6450? AND SET. CAP WITH 35? CEMENT. CLOSE WELL HEAD AND PRESSURE CASING TO 500 PSI FOR 30 MINUTES. RUN CBL?CCL?GR LOG FROM 6000? TO TOC OR ICP @ 4510?, WHICH EVER IS DEEPER.

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

Electronic Submission #156001 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs Committed to AFMSS for processing by KURT SIMMONS on 10/24/2012 ()

Name (Printed/Typed) TRACIE CHERRY	Title SR REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/23/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title Petroleum Engineer	<p>APPROVED</p> <p>JAN 7 2012</p> <p><i>[Signature]</i></p> <p>BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE</p>
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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

[Handwritten Signature]

Additional data for EC transaction #156001 that would not fit on the form

32. Additional remarks, continued

4. IF BOND LOG IS GOOD AND TOC IS ABOVE 4500?, PERFORATE CHERRY CANYON AS FOLLOWS:
? 4960'-4974'
? 4984'-5000'
5. PU TREATING PACKER ON 2-7/8? TUBING SPOT 500 GALS 7-1/2% DI NEF_e ACID. PU WITH PACKER AT ~4850? AND CIRCULATE ACID INTO TUBING. SET PACKER AND BREAK DOWN PERFS WITH SPOT ACID. IMMEDIATELY FOLLOW WITH 2500 GALS 7-1/2% NEF_e ACID.
6. SWAB BACK LOAD AND EVALUATE INTERVAL FOR PRODUCTIVE POTENTIAL. RELEASE PACKER AND POH WITH 2-7/8? TUBING.
7. PU 3-1/2? L-80 FRAC STRING TUBING AND PACKER. SET PACKER @ ~4850?. FRAC CHERRY CANYON AS PER DESIGN BASED ON RATES AND PRESSURES OF ACID STIMULATION.
8. FLOW AND SWAB BACK FRAC LOAD UNTIL SAND CLEARS UP. KILL WELL IF NECESSARY, RELEASE PACKER & POH, LD FRAC STRING AND BHA.
9. TIH WITH 2-7/8? TUBING OE TO ~5200? TO CHECK FOR FILL, CIRCULATE WELL CLEAN WITH 2% KCl FW. POH.
10. PU PUMPING BHA ON 2-7/8? J-55 TUBING AND TIH. ND BOP, SET TAC, NU WELL HEAD & PUMPING TEE.
11. RUN RODS AND PUMP, SOHO.
12. RD WSU
13. MI & SET PUMPING UNIT and production equipment.



Cimarex Energy Co. of Colorado

Lusk Deep Unit "A" #17

FKA Lusk West Delaware Unit #001

API# 30-025-30518

330° FNL 330° FEL, Sec. 20 T-19-S, R-32-E

J Piwetz

9/5/2012

Original Operator:

Phillips Petroleum

Spud Date:

KB = 14' AGL

Original Well Name: Lusk Deep Unit #17

13 3/8" 54.5# J55 @ 882' w/1000sx C
cmt Circ to surf

DV Tool @ 2795'

8 5/8" 24#K-55 ST&C @4510

1st Stage 500 sx "C" Circulated

2nd Stage 850 sx "C" thru DV Tool @ 2795'

Circulated to surface

TOC Unknown

Packer @ 6373' w/on-off tool (8/27/2009)

6974'-90' (5/17/1991)

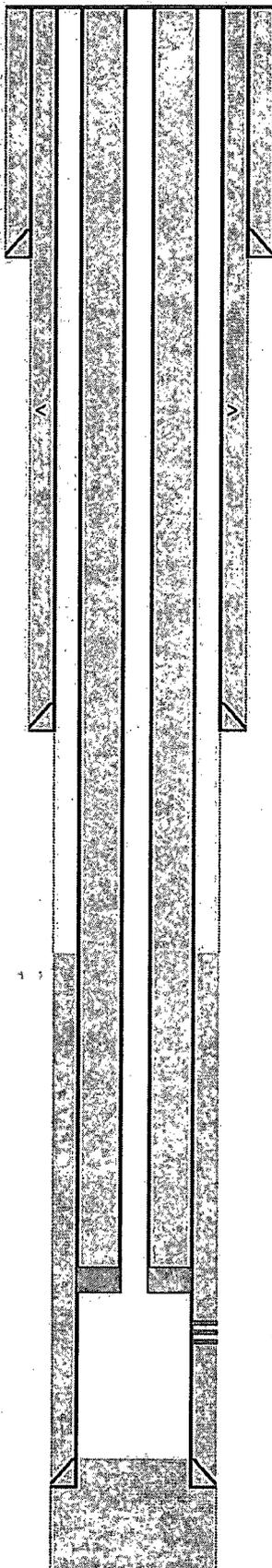
6468'-76' (Delaware, Brushy Canyon) (8/15/91)

5 1/2" 15.5# J55 @ 7220'

500 sc. Howco Lite & 300 sx "C" Neat

PBTD @ 7173'

TD @ 7500'



Current Conditions: WIW



Original Operator:
Phillips Petroleum
Spud Date:
KB = 14' AGL
Original Well Name: Lusk Deep Unit #17

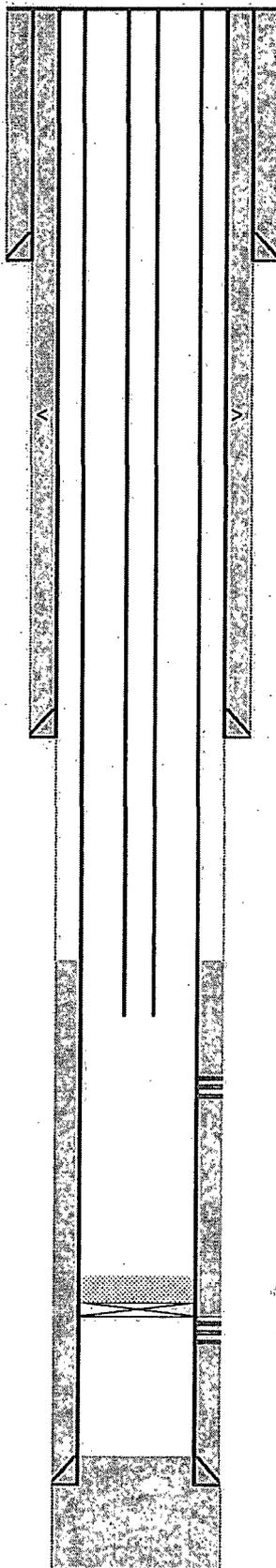
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Circulated to surface

TOC Unknown

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500 sc Howco Lite & 300 sx "C" Neat



PBTD @ 7173'
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Cimarex Energy Co. of Colorado
Lusk Deep Unit "A" #17
FKA Lusk West Delaware Unit #001
API# 30-025-30518
330' FNL 330' FEL, Sec. 20 T-19-S, R-32-E
J Piwetz 9/5/2012

Proposed Cherry Canyon Recompletion

Cherry Canyon Perfs: 4960 - 5000'

CIBP @ ~6450' capped w/35' cement

6468'-76' (Delaware, Brushy Canyon) (8/15/91)

Conditions of Approval

**Cimarex Energy Company
Lusk West Delaware Unit 001
API 30-025-30518
T19S-R32E, Sec 20
January 07, 2013**

Notify BLM at 575-393-3612 a minimum of 24 hours prior to commencing work.

Work to be completed by April 07, 2013.

- 1. CIBP to be set at 6418' (50' above the top perforation). A minimum of 35' of Class C cement shall be bailed on top of the CIBP.**
2. Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15. Exceptions to these restrictions may be granted by BLM's Johnny Chopp <jchopp@blm.gov> 575.234.2227 or Bob Ballard <bballard@blm.gov> 575.234.5973.
3. Functional H₂S monitoring equipment shall be on location.
- 4. Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record attached to an email to pswartz@blm.gov**
5. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
6. Subject to like approval by the New Mexico Oil Conservation Division.
7. Notify BLM 575-200-7902 before plug back procedures. The procedures are to be witnessed. If no answer, leave a voice mail with the API#, workover purpose, and a call back phone number. If there is no response, 575-361-2822. Note the contact, time, & date in your subsequent report.
8. Surface disturbance beyond the originally approved pad must have prior approval.
9. 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.
10. A minimum of 3,000 (3M) BOPE shall be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M) Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

11. 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.
12. Class H > 7,500' & Class C < 7,500') cement plugs(s) will be necessary. The minimum pumped volume of 25 sacks of cement slurry is to exceed a 100' cement plug across the drilled wellbore. Add 10% to the 100' slurry volume for each 1,000' of plug depth when calculations indicate the need. 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 15.6#/gal, 1.18ft³/sx, 5.2gal/sx water.
13. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
14. File intermediate **subsequent sundry** Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry. File the subsequent sundry for the frac separately if it is delayed as much as 20 days.
15. Submit the BLM Form 3160-4 **Completion Report** within 30 days of the date all BLM approved procedures are complete. **Include all formation tops.**
16. 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.
17. 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 05/10/2013.
18. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

Submit NOI for name change after "beneficial use" is determined. Proposed perfs are not in unitized formation.

JAM 010713