

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

OCD Artesia

JAN 06 2015

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM13413
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: HOPE KNAULS E-Mail: hknauls@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: 918.295.1799	8. Well Name and No. RIVERBEND 14 FEDERAL 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T25S R28E NENW 330FNL 1980FWL		9. API Well No.
		10. Field and Pool, or Exploratory UNKNOWN
		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 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 RESPECTFULLY REQUEST APPROVAL FOR CHANGES TO THE ORIGINAL APD AS FOLLOWS:

Drilling Plan:

Drill to KOP. No Pilot Hole. Drill curve to approximately 75 degrees inclination. Run 7" casing and run 2 stage cement job and have cement tie back into previous casing by 200'. Drill out and drill lateral to TD with 6" bit. Run 4.5" Liner and cement to tie back into the previous casing by 200'.

1. Request to change 13-3/8" Surface Casing from 48# H-40 to 48# J-55 Hybrid ST&C Casing.

2. Request to change 5-1/2" Production casing to run 7" 32# L-80 LTC/BTC (LTC 0'-10,150', BTC 10,150'-10,837') Set @ approximately 10,837' MD @ 75 degrees

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #276245 verified by the BLM Well Information System. For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 11/05/2014 (15CRW0026SE)	
Name (Printed/Typed) HOPE KNAULS	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 11/05/2014
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

DEC 29 2014

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT

Additional data for EC transaction #276245 that would not fit on the form

32. Additional remarks, continued

3.2 Stage 7" cement job with DV tool and annular casing packer @ 6,350':

- a. Stage 1 Lead: 250 sx Tuned Light @ 10.8 ppg, 2.74 yield (TOL 6,350')
- b. Stage 1 Tail: 130 sx 50:50 Poz:H @ 14.5 ppg, 1.24 yield (TOT 10,012')
- c. Stage 2: 280 sx Tuned Light @ 10.8 ppg, 2.74 yield (TOC 2,337' which is 200? inside the 9-5/8" casing set at 2,537')
- d. Volumes are 25% OH excess

4. Request to drill out with 6" bit to finish curve and lateral and run 4.5" liner BTC (10,100'-15,390')

5. 4.5" 11.6# P-110 BTC Liner cement Job:

Stage 1 Tail: 360 sx 50:50 Poz:H @ 14.5 ppg 1.24 yield (TOC 10,637' which is 200? inside the 7" casing)

Pressure Control:

6. Request in the pressure control equipment.

a. Approved: 3M system below surface and 5M system below intermediate.

b. Proposed: 2M system below surface, 3M system below intermediate and 5M system below 7" Intermediate.

Drilling 12-1/4" hole
below 13 3/8" Casing

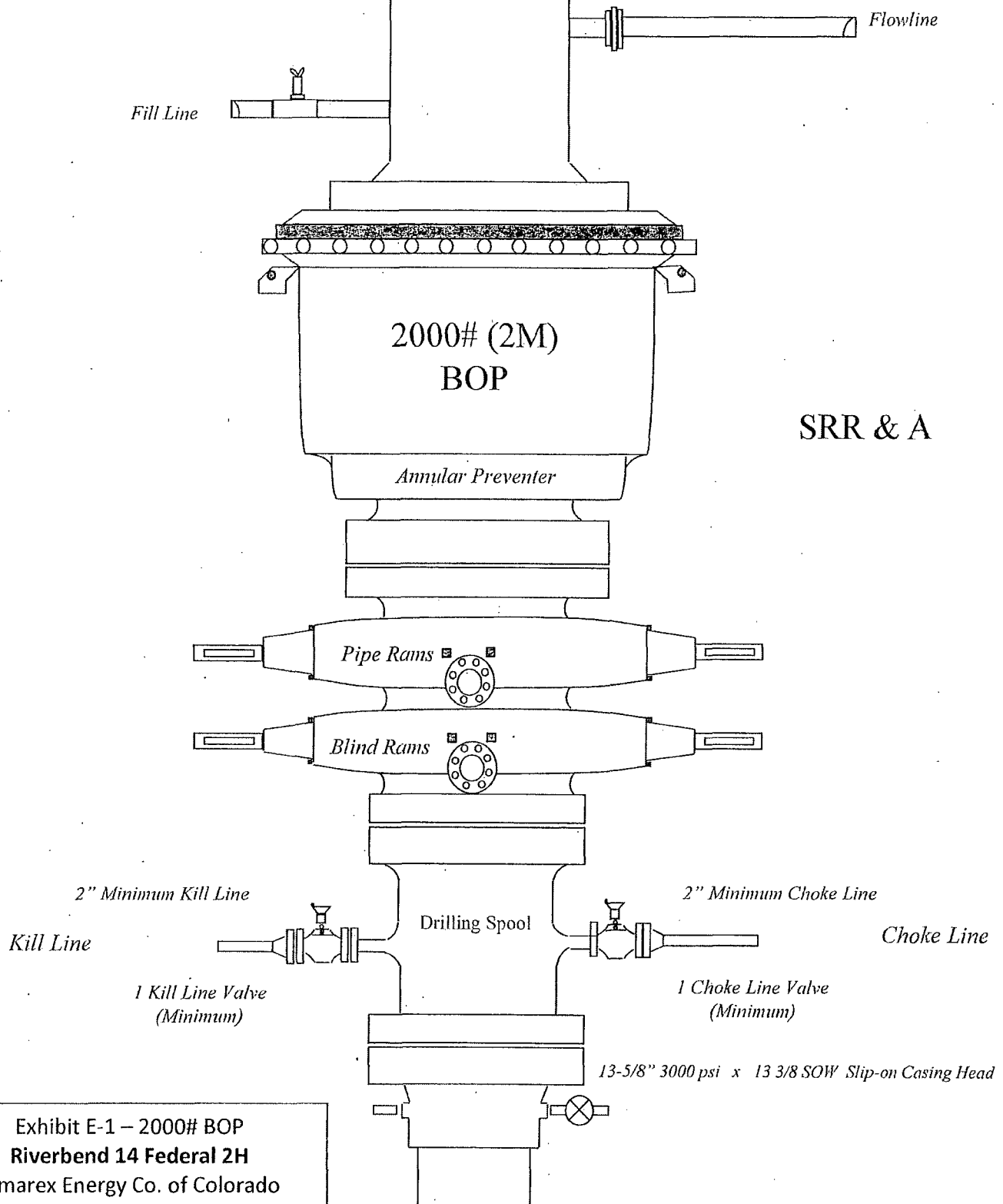


Exhibit E-1 – 2000# BOP
Riverbend 14 Federal 2H
Cimarex Energy Co. of Colorado
14-25S-28E
SHL 75 FNL & 1980 FWL
BHL 660 FSL & 1980 FWL
Eddy County, NM

Conditions of Approval

1. The minimum required fill of cement behind the 7 inch production casing is:

Operator has proposed DV/ECP tool at a depth of 6350'. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

- a. First stage to DV tool:

☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

- b. Second stage above DV tool:

☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

2. The minimum required fill of cement behind the **4-1/2** inch production liner is:

☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification. **Additional cement may be required as the excess calculates to -1 %**