

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.*5. Lease Serial No.
NMNM0467934

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
NMNM117176

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
FULL TANK 33 FED COM 1

2. Name of Operator

Contact: TERRI STATHEM

CIMAREX ENERGY COMPANY OF CO-Mail: tstatthem@cimarex.com

9. API Well No.
30-015-34525-00-S1

3a. Address

600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph. 432-620-1936

10. Field and Pool, or Exploratory
CEDAR LAKE-MORROW

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

Sec 33 T17S R30E NWNE 990FNL 1980FEL

11. County or Parish, and State

EDDY COUNTY, NM

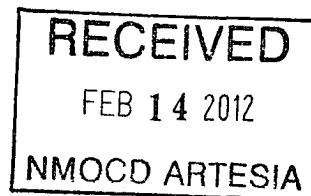
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 recompleate 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 recompleation 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 requests approval to plug back from the Cedar Lake Morrow pool and recompleate in the Abo according to the attached procedure.

Before and after wellbore diagrams attached

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #126078 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by JAMES (JIM) HUGHES on 12/16/2011 (12JLH0178SE)	
Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/16/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 02/08/2012
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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ******Accepted for record
NMOCD**

FULL TANK 33 FEDERAL #1

Recomplete to ABO Detrital Zone

API # 30-015-34525
990' FNL & 1980' FEL
Section 33, T17S, R30E
Eddy County, New Mexico

GL : 3611'
KB : 3643'
TD : 11,750'
PBTD: 11,702'

Casing, Liner, and Tubing Record						
Size	Weight	Grade	Thread	Set at	Cmt	Remarks
13 3/8"	48#	H40		510'	470sx	Circ 23sx
9 5/8"	40#	J-55		4030'	1200sx	Circ 66sx
7"	26#	P-110		9500'	450sx	TOC 3050 CBL
4 1/2" liner	11.6#		Top 9135'	11750'		
2 3/8" tbg				11496'		

CURRENT PERFS:

MIDDLE MORROW 11,360-66, 11,376-84, 11,388-11,402 (112 HOLES)

Acid 2000 gals 5:1 - 7.5% MSR-100 Acid Flush w/ 7% KCL

LOWER MORROW 11,556-11,576 (6 SPF - 120 HOLES)

Acid Total 4000 gals 7.5% Gas Well Acid flush w/ 7% KCl + 2000 gals Schlumberger Clean Sweep 2

PROCEDURE

1. Locate, test and replace anchors as necessary.
2. MIRU Well Service Unit.
3. ND wellhead and NU 3K manual BOP w/ Enviro Catch Pan.
4. Pump 10# brine to kill well and POH with tubing.
5. RU Wireline and RIH w/ Gauge Ring for 4 1/2" 11.6# casing to 11,330'. Pull GR.

NOTE: Liner Top @ 9135'

6. Pick up and RIH w/ CIBP to 11,330'.
7. Set CIBP.
8. RIH w/ tubing & tag CIBP.
9. Spot 50 sxs plug on top of CIBP
10. Pull up to ~~9400'~~ ^{9595'} and spot 20 sxs plug. (9400-9595')
11. WOC and tag (max tag depth 9450').

12. Pull up to 9225' and spot 30 sxs plug 9225 – 9035 across 4 ½" liner top.
13. WOC and tag (max tag depth 9085').
14. Pull tubing
15. RU Wireline and run Gauge Ring for 7" 26# casing to 8750' and POH
16. Run in with squeeze gun and perf 4 squeeze holes @ 8737' (93' below DV tool @ 8644')
17. PU and run squeeze packer to 8500' and set
18. Attempt to pump into sqz perfs and pump sufficient cement to leave top of plug @ 8550'.
19. WOC and tag plug (max tag depth 8594')
20. Pull tubing.
21. Pick up 4" casing guns loaded w/ 3 – 0.41" spf @ 120° phasing and shoot:

8187-92	5'	15 holes
8194-98	4'	12 holes
8226-30	4'	12 holes
8294-8302'	8'	24 holes
Total – 63 holes.		

Reference Halliburton Spectral Density / Dual Space Neutron log dated 22-May-2006.

22. Pull guns and RD wireline.
23. Pick up packer & RBP on 2 7/8" L-80 workstring and RIH
24. Rig up acid company with 3300 gallons 15% Anti-Sludge HCl Acid.
25. Set RBP @ 8350'.
26. Pull up 10' and set packer.
27. Test RBP to 3000 psi and release.
28. Pull packer to 8270' and spot 1 bbl acid to end of tubing.
29. Set Packer and Acidize perfs 8294-8302 with 1000 gallons.
30. After 15 min SI, release packer and RIH to RBP
31. Latch and release RBP.
32. Pull RBP to 8270' and set.
33. Pull up, set packer and test RBP to 3000 psi.
34. Pull packer to 8210' and spot 1 bbl acid to end of tubing.
35. Set packer and acidize perfs 8226-30 with 750 gallons.
36. After 15 min SI, release packer and RIH to RBP

37. Latch and release RBP.
38. Pull RBP to 8210' and set.
39. Pull up, set packer and test RBP to 3000 psi.
40. Pull packer to 8150' and spot 1 bbl acid to end of tubing.
41. Acidize perms 8187-8198 with 1250 gallons.
42. After 15 min SI, release packer and RIH to RBP
43. Latch and release RBP.
44. RIH to 8350' and set RBP.
45. Pull up and set packer @ 8150' and swab back all load.
46. Obtain samples and contact Midland office with swab results.
47. Release packer and RIH to top of RBP.
48. Pull tubing and lay down tools.
49. If swab results warrant, we will set pumping unit and make necessary battery modifications to rod pump this well. If not, skip to Step 47.
50. Run pumping BHA on tubing to and land EOT @ +/- 8350'.
51. Run 2" x 1 1/2" x 20' Insert pump on rods string design to be furnished.
52. Hang off rods and prepare to set pumping equipment.
53. After pumping equipment is installed, test and file initial potential test on zone

IF ABO Test above is deemed Non-Commercial

54. Notify BLM of P&A procedure and intent to P&A.

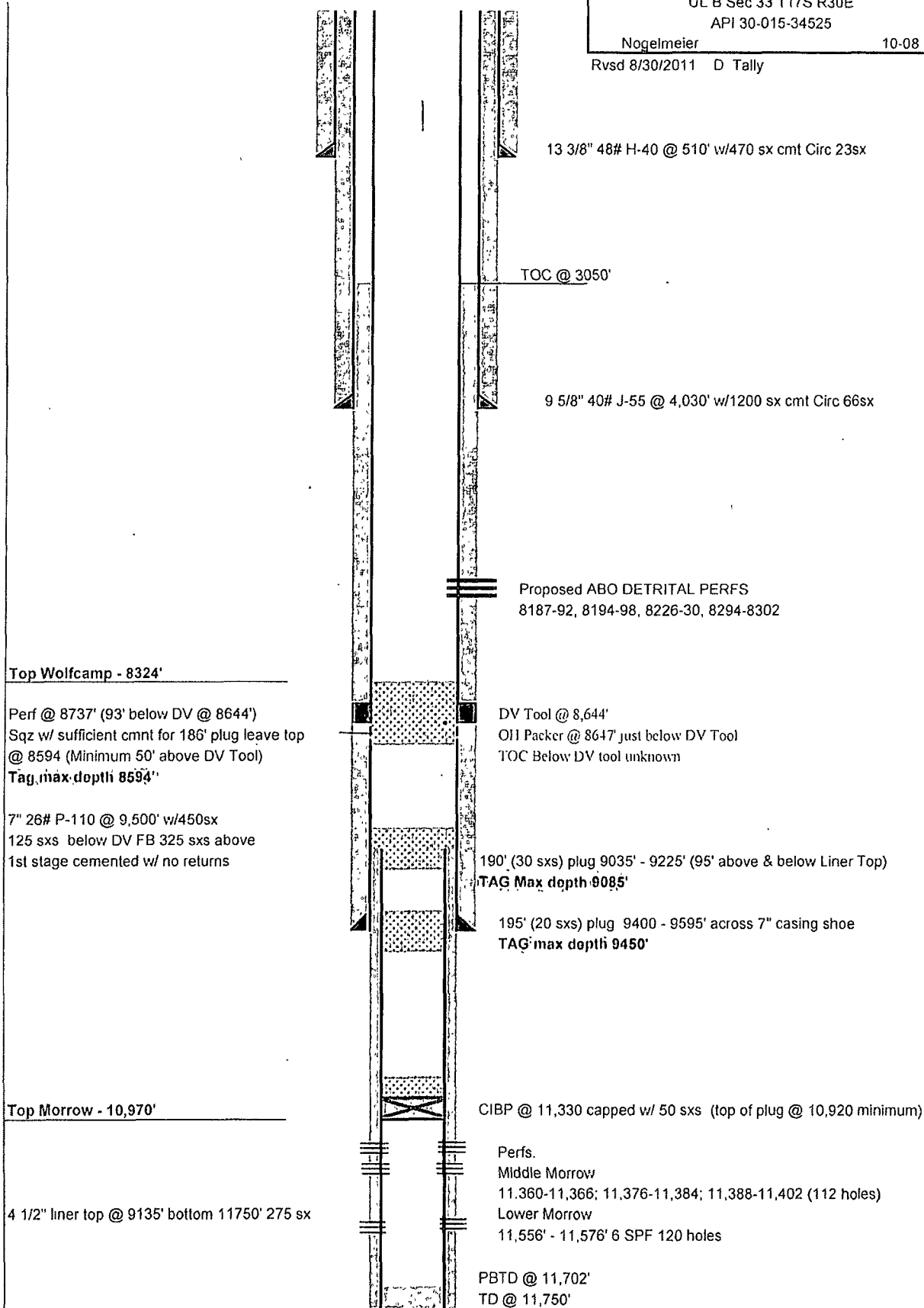


Cimarex Energy Co. of Colorado
Full Tank 33 Fed Com No. 001
UL B Sec 33 T17S R30E
API 30-015-34525

Nogelmeier

10-08

Rvsd 8/30/2011 D Tally





Cimarex Energy Co. of Colorado

Full Tank 33 Fed Com No. 001

UL B Sec 33 T17S R30E

API 30-015-34525

Nogelmeier

10-08

Rvsd 8/30/2011 D. Tally

13 3/8" 48# H-40 @ 510' w/470 sx cmt Circ 23sx

TOC @ 3050'

9 5/8" 40# J-55 @ 4,030' w/1200 sx cmt Circ 66sx

Tubing Detail

4/9/2011

Quantity	Description	Length	Setting Depth
	KB	32	2183
349	as 2 3/8" L-80, 4.7# EUE Tubing	11324.04	11325.87
1	2 3/8" cup type API SW	1.10	11326.97
1	Wireline Re-Entry Guide	0.41	11327.38

7" 26# P-110 @ 9,500' w/450sx
125 sxs below DV FB 325 sxs above
1st stage cemented w/ no returns

DV Tool @ 8,644'

OH Packer @ 8647' just below DV Tool

TOC Below DV tool unknown

4 1/2" liner top @ 9135' bottom 11750' 275 sx

Perfs:

Middle Morrow

11,360-11,366; 11,376-11,384; 11,388-11,402 (112 holes)

Lower Morrow

11,556' - 11,576' 6 SPF 120 holes

PBTD @ 11,702'

TD @ 11,750'

Full Tank 33 Fed Com 1
30-015-34525
Cimarex Energy Company of Colorado
February 8, 2012
Conditions of Approval

1. **Contact BLM 575-361-2822 a minimum of 24 hours prior to performing operations.**
2. **Set CIBP 50-100 feet above the top perforation.**
3. Surface disturbance beyond the originally approved pad must have prior approval.
4. Closed loop system required.
5. 3000 (3M) BOP to 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 (2M 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.
6. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.
7. Completion report and subsequent sundry required.
8. Operator to verify formation tops on completion report, previous completion report appears to have errors with the formation tops.

CRW 020812