

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.

OCD Artesia

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1 Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No NMNM104661
2 Name of Operator CIMAREX ENERGY COMPANY OF CO Contact ZENO FARRIS E-Mail: zfarris@cimarex.com		6 If Indian, Allottee or Tribe Name
3a Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b Phone No. (include area code) Ph: 432-620-1938 Fx: 432-620-1940	7. If Unit or CA/Agreement, Name and/or No. NMNM120212
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R26E NWSW 1980FSL 660FWL ✓ UL L		8 Well Name and No TRINITY 20 FEDERAL COM 2 ✓
		9. API Well No. 30-015-34500-00-S1 ✓
		10. Field and Pool, or Exploratory COTTONWOOD DRAW
		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	

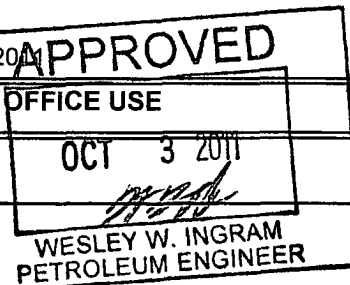
13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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.)

Trinity 20 Federal Com No. 2 is currently producing from Morrow perms @ 11446'-11486'. Additional Morrow perms are behind CIBP's as shown on attached WBD.

Propose to plug back Morrow, cut 4 1/2" liner and set combination stub plug and 7" casing shoe plug and perf Wolfcamp from 9164'-9940' acidize and turn to production as Sage Draw; Wolfcamp East producer per attached procedure and WBD.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct Electronic Submission #119056 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by WESLEY INGRAM on 10/03/2011 (12VWV10005SE)	
Name (Printed/Typed) ZENO FARRIS	Title MANAGER OPERATIONS ADMIN
Signature (Electronic Submission)	Date 10/03/2011
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	Date



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 - NMCD*

Trinity 20 Federal Com #2
Wolfcamp Recompletion Procedure

Well Data:

KB	19' above GL
TD	12325'
PBTD	11540'
Casing	13-3/8" 48# H-40 @ 214'. Cmtd w/ 220 sx. Cmt circ. 9-5/8" 40# J-55 @ 2681'. Cmtd w/ 775 sx. Cmt circ. 7" 26# N-80 @ 10001'. Cmtd w/ 550 sx. Cmt Circ. DV Tool @ 6502'. Cmtd w/ 570 sx cmt. TOC @ 2400' by TS. 4-1/2" 11.6# P-110 @ 12320'. Cmtd w/ 240 sx. TOL @ 9628' TOC @ 10950' by CBL.
Perfs	Morrow – (11446' – 11486')

Procedure:

1. Kill well w/ FW. ND WH, NU BOP, Release pkr, TOOH. Run CIBP and set @ \pm 11400' and pump Min 25 sx Cls H cmt on top of plug. Run chemical cutter and cut 4-1/2" liner @ 10800'. RD wireline.
2. TIH w/ spear and jars on 2-3/8" tubing and engage top of 4-1/2" liner. Release or jar packer type liner hanger loose. TOOH w/ pipe, liner hanger, spear, jars, and tbq.
3. TIH w/ tbq open ended to 10850'. RU cementers and spot 140 sx Cls H cmt plug (10850' – 9950') **Min 50' inside 8" casing shoe and Tag**. PU on tbq to 9700' and pump 60 bbls FW down annulus to reverse out any excess cmt. TOOH w/ tbq. Change out 5K wellhead for 10K wellhead. ND BOP and RU 10K goat head frac valve.
4. RU wireline and TIH w/ CIBP and set @ 9950'. Test casing to 5800 psi (80% of burst). Perforate Wolfcamp (9766' – 9769', 9794' – 9797', 9817' – 9820', 9864' – 9867', 9882' – 9885', 9926' – 9928', 9937' – 9940') 3 JSPF at 120 degree phasing. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated June 6, 2004. RD wireline & RDMO pulling unit.
5. RU Cudd, Acidize and frac Wolfcamp perfs (9766' – 9940') down 7" csg as per recommendation. Set flow thru composite plug @ 9750'.
6. RU wireline truck and crane. Perforate Wolfcamp (9453' – 9456', 9487' – 9490', 9520' – 9523', 9555' – 9558', 9597' – 9600', 9629' – 9632') 3 JSPF at 120 degree phasing. Total of 54 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated June 6, 2004.
7. Acidize and frac Wolfcamp perfs (9453' – 9632') down 7" csg as per recommendation. Set flow thru composite plug @ 9430'.

8. Perforate Wolfcamp (9164' – 9166', 9182' – 9184', 9211' – 9213', 9263' – 9265', 9282' – 9284', 9309' – 9311', 9329' – 9331', 9353' – 9355', 9382' – 9384', 9409' – 9411') 3 JSPF at 120 degree phasing. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated June 6, 2004. RD wireline.
9. Acidize and frac Wolfcamp perms (9164' – 9411') down 7" csg as per recommendation. RD Cudd
10. RU 1-3/4" coiled tbg unit. TIH w/ butterfly mill & extreme downhole motor on 1-3/4" CT and drill out sand and composite plugs @ 9430' and 9750'. Make a minimum of 2 gel sweeps while drilling out composite plugs. FIH w/ coiled tbg and CO sand to 9960'. TOOH w/ mill, motor, & CT. RD coiled tbg unit.
11. Flow back well until sand production cleans up, the SI well overnight.
12. RU wireline and full 10K lubricator. RIH w/ GR to 8900'. TIH w/ 10K pkr w/ on-off tool, and a pump out plug (pinned for 7500 psi BHP) in place and set @ \pm 9050'. RD wireline and full lubricator.
13. ND goat head and frac valve. NU BOP, TIH w/ on-off tool and tbg, testing tubing below slips to 8000 psi to 9000'. Circ hole w/ packer fluid. FIH w/ tbg and latch on to pkr. ND BOP, NU WH. RD pulling unit.
14. RU PT. & pressure up to 4000 psig to pump out plug. Put well on production.



Cimarex Energy Co. of Colorado

Trinity 20 Federal Com #2

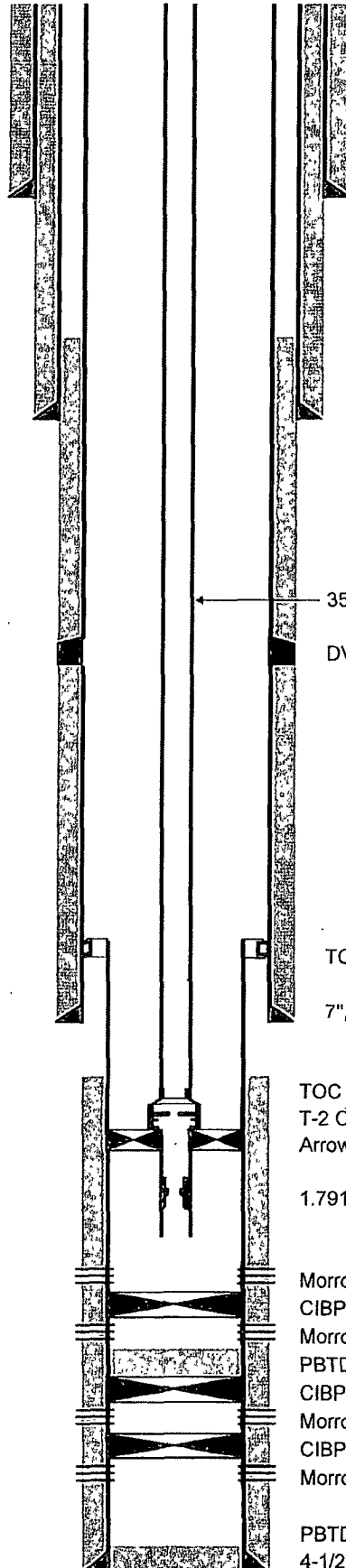
1980' FSL & 660' FWL

Sec. 20, T-25-S, R-26-E, Eddy Co., NM

S. Gengler

02/15/2010

Current



13-3/8", 48# H-40 csg @ 214'
cmtd w/ 220 sx, cmt circ

TOC @ 2400' by TS

9-5/8", 40# J-55 csg @ 2681'
cmtd w/ 775 sx, cmt circ

357 jts 2-3/8" 4.7# L-80 EUE 8rd Tbg

DV Tool @ 6502'
cmtd w/ 570 sx

TOL @ 9628'

7", 26# N-80 csg @ 10001'
cmtd w/ 550 sx

TOC @ 10950' by CBL
T-2 On-Off tool w/ 1.875" Otis X profile nipple @ 11351'
Arrowset pkr @ 11358'

1.791" XN profile nipple @ 11364'

Morrow perfs (11446' - 11486')

CIBP @ 11540'

Morrow perfs (11561' - 11568')

PBTD @ 11660'

CIBP @ 11690'

Morrow perfs (11721' - 11730')

CIBP @ 11921'

Morrow perfs (12107' - 12112')

PBTD @ 12252'

4-1/2" 11.6# P-110 @ 12320' cmtd w/ 240 sx
TD @ 12325'

CIMAREX

Cimarex Energy Co. of Colorado

Trinity 20 Federal Com #2

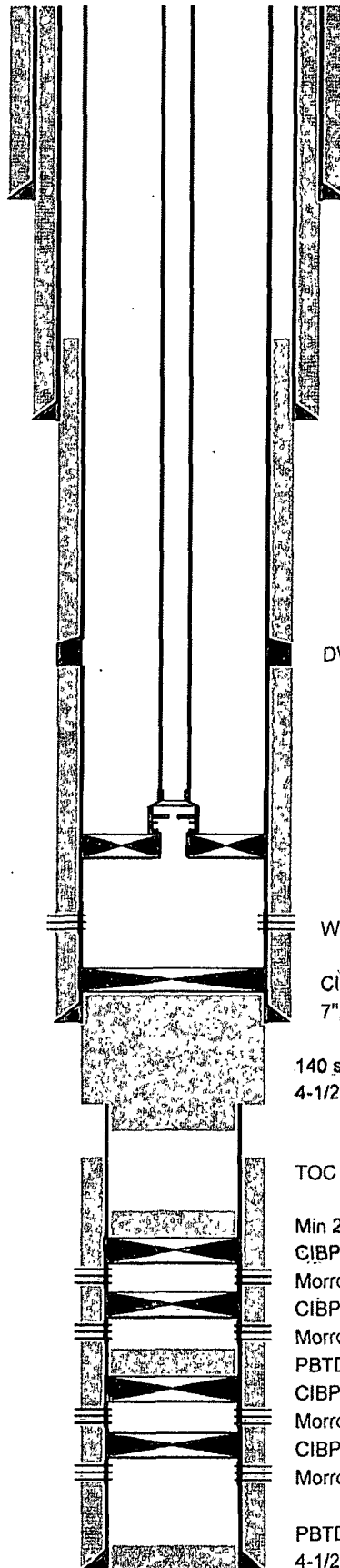
1980' FSL & 660' FWL

Sec. 20, T-25-S, R-26-E, Eddy Co., NM

S. Gengler

02/15/2010

Proposed



13-3/8", 48# H-40 csg @ 214'
cmtd w/ 220 sx, cmt circ

TOC @ 2400' by TS

9-5/8", 40# J-55 csg @ 2681'
cmtd w/ 775 sx, cmt circ

DV Tool @ 6502'
cmtd w/ 570 sx

Wolfcamp perms (9164' - 9940')

CIBP @ 9950'
7", 26# N-80 csg @ 10001'
cmtd w/ 550 sx

140 sx cmt-plug (9950' - 10850') Min 50' inside 7" shoe - Tag
4-1/2" Csg stub @ 10800'

TOC @ 10950' by CBL

Min 25 sx CIs H cmt plug min 50' above top of Morrow @ 11438

CIBP @ 11400'

Morrow perms (11446' - 11486')

CIBP @ 11540'

Morrow perms (11561' - 11568')

PBTD @ 11660'

CIBP @ 11690'

Morrow perms (11721' - 11730')

CIBP @ 11921'

Morrow perms (12107' - 12112')

PBTD @ 12252'

4-1/2" 11.6# P-110 @ 12320' cmtd w/ 240 sx

TD @ 12325'

**Trinity 20 Federal Com 2
30-015-34500
Cimarex Energy Company of Colorado
October 3, 2011
Conditions of Approval**

- 1. Notify BLM at 575-361-2822 prior to pumping cement on CIBP at 11,400' so that inspector can verify CIBP depth. Inspector shall also witness tag of 7" shoe plug.**
- 2. Surface disturbance beyond the originally approved pad must have prior approval.**
- 3. Closed loop system required.**
- 4. A minimum of a 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 (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.**
- 5. All waste (i.e. drilling fluids, 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.**

Plug back procedure

- 1. CIBP at 11,400' to be tagged prior to pumping cement. Cement to be Class H neat. Verbal approval given at 1045 hours on 10/03/2011 to set CIBP.**
- 2. Stub plug to be set a minimum of 50' below cut. Combination stub/shoe plug to be tagged at 9,950' or shallower. Cement to be Class H neat.**
- 3. CIBP to be set as close as possible to 9,950', but plug must tag at 9,950' or shallower.**
- 4. Operator to submit a subsequent sundry detailing work done. Also, submit new completion report and final well bore diagram.**

WWI 100311