

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.***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 NMNM0560352
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No. NMNM107683
3a Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. W SHUGART 31 FEDERAL 2
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T18S R31E SENW 1700FNL 1980FWL		9. API Well No. 30-015-31821-00-S1
		10. Field and Pool, or Exploratory N SHUGART
		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 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 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 approval to recompleat the West Shugart 31 Federal No. 2 well to the Bone Spring according to the following procedure.

1. Locate, Test and Replace Anchors as necessary.
2. MI & RU WSU. Kill well as needed.
3. NU BOP, environmental pan, & set up H2S safety equipment (if required by BLM).
4. Rig up and release Packer.
5. Pull tubing keeping well dead with Brine.
6. Rig up Wireline and run 4.62 Gauge Ring to 11,750'
7. Pull Gauge ring and pick up CIBP.
8. Run in and set CIBP @ 11,750 and cap with 35 ft of cement - abandon Morrow.
9. Rig down wireline unit.
10. Run tubing to top of cement plug (est 11,715).

RECEIVED

SEP 20 2012

NMOCD ARTESIA

SEE ATTACHED FOR
CONDITIONS OF APPROVAL*SPDade 9/26/12*
Accepted for record
NMOCD*Submit C102 for Bone Spring*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #144959 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by BEVERLY WEATHERFORD on 08/09/2012 (12BMW0526SE)	
Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/06/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title	APPROVED /s/ Chris Walls SEP 18 2012 Date
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

Additional data for EC transaction #144959 that would not fit on the form

32. Additional remarks, continued

NOTE: Will need approximately 300' of tubing in addition to well tubing.

11. Spot 80 barrel 9# plugging mud pill from 11,715 ? 8300

12. Pick up to 11,450 and spot 210 ft (30 sxs) cement plug 11,450 ? 11,240

13. Pull tubing to 8000 and circulate clean.

14. WOC and tag plug (maximum depth 11,240)

NOTE: LAY DOWN ALL TUBING

15. Pull tubing to 8510 and spot 185 ft (25 sxs) cement plug 8510 ? 8325.

16. Pull tubing to 8000 and circulate clean.

17. WOC and tag plug (maximum tag depth 8325).

18. Pull tubing and lay down all 2 7/8 tubing.

19. Test casing to minimum of 2500 psi.

20. Rig up wireline unit and run GR-CCL-CBL from PBTD to TOC (estimated @ 5050).

NOTE: Will run log with no pressure and with 1500 psi on casing.

21. Pick up 4 in casing guns loaded 2 JSPF and perforate 1st Bone Springs Sand @ 7637-7779; 44 holes.

22. Pick up FRAC Packer on 3 ? in N-80 9.3# FRAC String and run in hole.

23. Set packer @ +/- 7550.

24. Rig down and move out WSU.

25. Rig up FRAC Stimulation Company and fracture stimulate perfs 7637 ? 7779.

26. Flow Back FRAC until it dies.

27. Move in and set 912 pumping unit in preparation for rod pumping well.

Will need to lay flowline to West Shugart 31 battery and prepare for electricity installation.

28. MIRU Well Service unit and rig up to pull FRAC string.

29. Pull and lay down FRAC string.

30. Pick up bit and bailer and run in hole on 2 7/8 production tubing.

31. Clean out if necessary down to a minimum of 7900.

32. Pull and lay down tools.

33. Run pumping BHA on tubing to land SN @ +/-7550 and TAC @ +/-7500.

34. ND BOP and environmental package and nipple up pumping wellhead.

35. Run rods and pump per design to be furnished.

36. Hang well on and run production tests for production watch.

W. Shugart 31 Fed 2
30-015-31821
Cimarex Energy Company of Colorado
Conditions of Approval

1. Contact BLM 575-361-2822 a minimum of 24 hours prior to performing operations.
2. **Plug 1-Set 5-1/2" CIBP 50-100' above top Morrow perms. at approximately 11,680' and spot a minimum 25sx of class H cement on top. WOC and tag.**
3. **Plug 2-A plug must be set across the top of Morrow from 11,450-11,240'.**

Operator has the option to combine plugs 1 and 2 above by pumping 45 sacks of class H on top of CIBP from 11680'-11,350'. WOC and tag.

4. **Plug 3- 8510-8325' pump a minimum of 25 sacks Class H. WOC and tag.**
5. Surface disturbance beyond the originally approved pad must have prior approval.
6. Closed loop system required.
7. 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.
8. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.
9. Completion report and subsequent sundry with well test and wellbore schematic required.

CRW 091812