

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
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.
NM 12764

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
Lonesome Dove 25 Fed Com 12. Name of Operator
Rubicon Oil & Gas, LLC9. API Well No.
30-015-316983a. Address
508 W. Wall St STE 500, Midland, TX 797013b. Phone No. (include area code)
432-687-510010. Field and Pool or Exploratory Area
Henshaw Morrow SW4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1500' FNL & 1980' FEL, Sec 25, T16S, R29E, UL G11. Country or Parish, State
Eddy NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

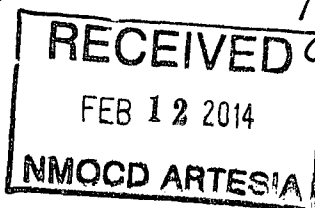
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Rubicon proposes to plug back existing well to recomplete to the Yeso 4100' to 5200' utilizing a 3 stage fracture treatment via the 5-1/2" casing.

- 1) spot 25 sks Class H 16.4 ppg/ 1.1 ft³ yield/ 4.48 gal wtr/ sk from 10,300' to 10,094' *See COA's*
2) spot 50 bbls mud laden fluid 10,094' to 8000'
3) spot 25 sks Class H 16.4 ppg/ 1.1 ft³ yield/ 4.48 gal wtr/ sk from 8000' to 7794' (covers TOC 7948' and Wolfcamp Porosity)
4) spot 12 bbls mud laden fluid 7794' to 7324'
5) set 5-1/2" cement retainer 7242' and cement 5-1/2" X 7-7/8" annulus via hole in casing 7292-7324' w/ 675 sks Class C 14.8 ppg/ 1.32 ft³ yield/ 6.3 gal wtr/sk to bring TOC to 3050'. Cement volume includes a 20% excess over calculated annular volume.

Current wellbore diagram attached.



must run OBL & discuss w/ BLM engineer prior to recomplete
Provide C102

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Accepted for record
NMOC D *see*

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)

Hal Lee

Title Operations Mgr/Agent

Signature

Date 10/15/2013

APPROVED**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title
Office

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.

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.

(Instructions on page 2)

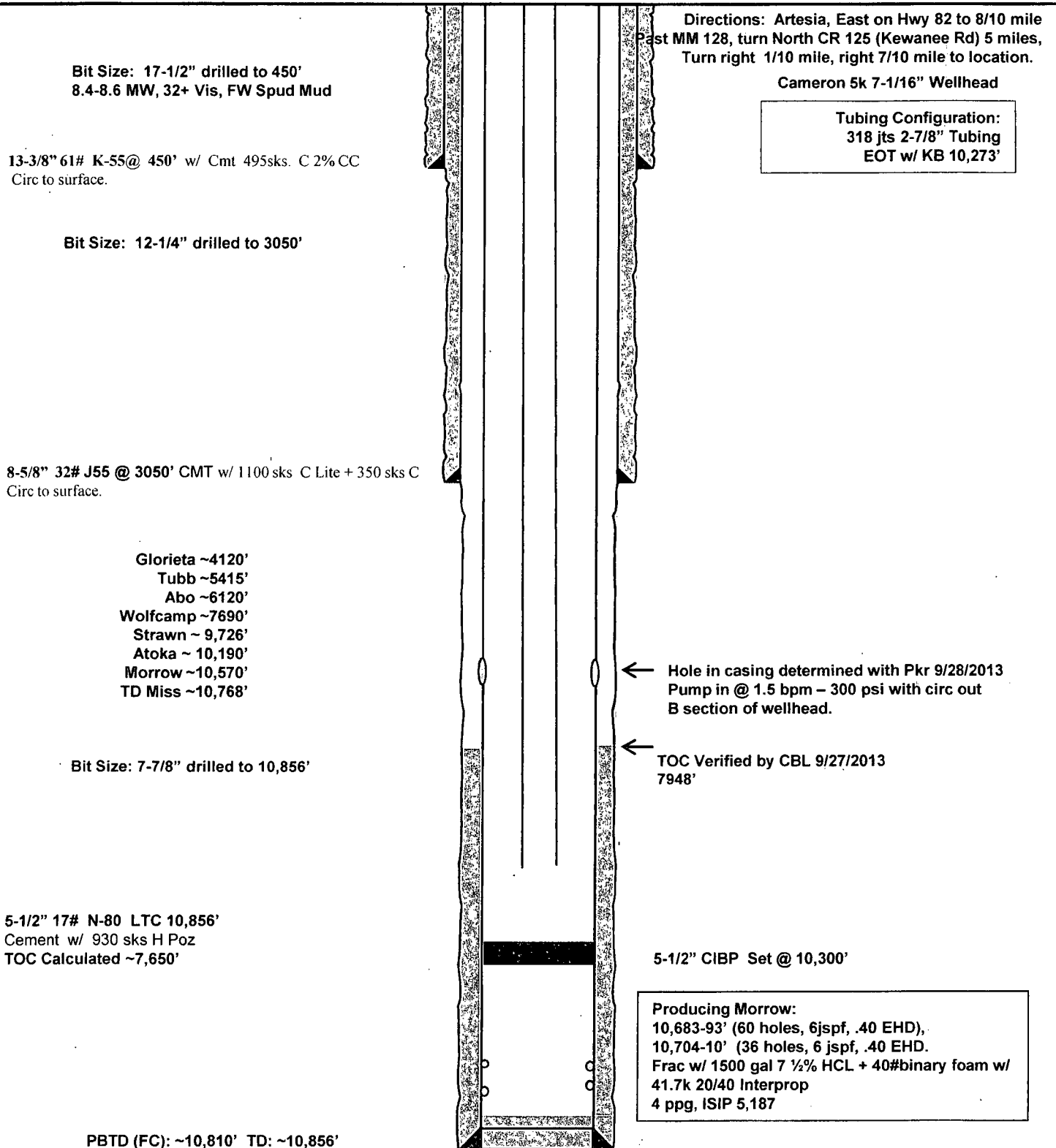
**Rubicon Oil & Gas, LLC
Henshaw Morrow Prospect**

**KB: 3731'
GL: 3714'**

**1500' FNL & 1980' FEL
Sec. 25, T16S, R29E, UL G
Eddy County, NM**

**Lonesome Dove 25 Fed 1
Eddy County, New Mexico
10/2013 Current Wellbore
30-015-31698**

**Prod: 12/20/2001
TD'd: 5/18/2001
Spud: 4/18/2001**



**Lonesome Dove 25 Fed Com 1
30-015-31698
Rubicon Oil & Gas, LLC
February 07, 2014
Conditions of Approval**

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by May 07, 2014.

- 1. Operator shall drill out the CIBP at 10,300' as they did not follow the COAs.**
- 2. The operator shall place CIBP at 10,633' and place a 206' Class H Cement plug (minimum of 25 sx) on top.**
- 3. Operator shall perf and squeeze Class H Cement at 7740' and tag cement at 7600' or higher to ensure the isolation of the top of the Wolfcamp formation.**
- 4. Step 5 is approved as written. Prior to recompleting into the Yeso formation a CBL must be run and e-mailed to jamason@blm.gov and TOC shall be discussed before operator has approval to recomplete.**
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. Surface disturbance beyond the originally approved pad must have prior approval.
7. Closed loop system required.
8. 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.
9. Operator to have H2S monitoring equipment on location.

10. 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.
11. **Subsequent sundry required detailing work done. Operator to include well bore schematic of current well condition when work is complete.**
12. **See Attached for general requirements.**

JAM 020714

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

General Requirements for Plug Backs

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.