

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.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Rubicon Oil & Gas, LLC

3a. Address  
508 W. Wall St STE 500, Midland, TX 79701

3b. Phone No. (include area code)  
432-687-5100

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

8. Well Name and No.  
Lonesome Dove 25 Fed Com 1

9. API Well No.  
30-015-31698

10. Field and Pool or Exploratory Area  
Henshaw Morrow SW

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1500' FNL & 1980' FEL, Sec 25, T16S, R29E, UL G

11. Country or Parish, State  
Eddy NM

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

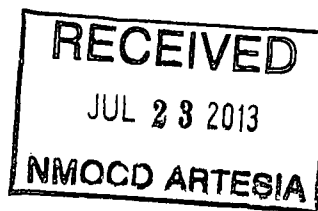
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" 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 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 must 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 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.)

Current production from existing Morrow perforations 10,434-10,710' sub economic and well not able to unload associated fluid. Swab test 2/2013 indicated probable casing leak. ~~Rubicon plans to recompleate well in Yace formation 4100 to 5200' upon successful plug back of well.~~ **cement remediation only**  
Plan to pull existing tubing and packer, isolate existing Morrow perforations with 5-1/2" CIBP set @ 10,300'. Run casing inspection logs and isolate potential casing leak with packer / retrievable plug to determine integrity, develop plug back plan with BLM approval to 5500'. Start date of initial work next 45 days.

Current wellbore diagram attached.

*Accepted for record*  
7/24/2013  
AMBCS



SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Hal Lee

Title Operations Mgr/Agent

Signature

Date 06/15/2013

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

Approved by

Title

Office

**APPROVED**  
JUL 19 2013  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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'**

**Lonesome Dove 25 Fed 1**  
**Eddy County, New Mexico**  
**Completed Wellbore**  
**30-015-31698**

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

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

Bit Size: 17-1/2" drilled to 450'  
8.4-8.6 MW, 32+ Vis, FW Spud Mud

13-3/8" 61# K-55 @ 450' w/ Cmt 495sks. C 2% CC  
Circ to surface.

Bit Size: 12-1/4" drilled to 3050'

8-5/8" 32# J55 @ 3050' CMT w/ 1100 sks C Lite + 350 sks C  
Circ to surface.

Glorieta ~4120'  
Tubb ~5415'  
Abo ~6120'  
Wolfcamp ~7690'  
Strawn ~9,726'  
Atoka ~10,190'  
Morrow ~10,570'  
TD Miss ~10,768'

Bit Size: 7-7/8" drilled to 10,856'

5-1/2" 17# N-80 LTC 10,856'  
Cement w/ 930 sks H Poz  
TOC Calculated ~7,650'

PBTD (FC): ~10,810' TD: ~10,856'

Directions: Artesia, East on Hwy 82 to 8/10 mile  
Past MM 128, turn North CR 125 (Kewanee Rd) 5 miles,  
Turn right 1/10 mile, right 7/10 mile to location.

Cameron 5k 7-1/16" Wellhead

Tubing Configuration:  
2-7/8" Tubing  
Pkr Unknown make  
EOT w/ KB 10,630'

Producing Morrow:  
10,683-93' (60 holes, 6jspf, .40 EHD),  
10,704-10' (36 holes, 6 jsfp, .40 EHD).  
Frac w/ 1500 gal 7 1/2% HCL + 40#binary foam w/  
41.7k 20/40 Interprop  
4 ppg, ISIP 5,187

**Lonesome Dove 25 Fed Com 1  
30-015-31698  
Rubicon Oil & Gas, LLC  
July 19, 2013  
Conditions of Approval**

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

**Work to be completed by October 19, 2013.**

**APPROVAL TO PLUG BACK THE MORROW FORMATION ONLY.**

- 1. The operator shall place CIBP at 10,633' and place a 206' class H cement plug on top.**
- 2. Notify BLM when hole in casing found.**
- 3. Operator to submit a plan for cement remediation and/or casing repair to the BLM after well evaluation.**
4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
5. Surface disturbance beyond the originally approved pad must have prior approval.
6. Closed loop system required.
7. 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.
8. Operator to have H2S monitoring equipment on location.
9. 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.

10. Subsequent sundry required detailing work done. Operator to include well bore schematic of current well condition when work is complete.

**JAM 071913**