

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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.**

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No NM 0450847
2. Name of Operator Rubicon Oil & Gas, LLC		6. If Indian, Allottee or Tribe Name
3a. Address 508 W. Wall, Suite 500, Midland, TX 79701	3b. Phone No. (include area code) 432 687-7100/684-6381	7. If Unit of CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) 1650 FNL & 1980 FEL, Section 13, T09S, R35E (G)		8. Well Name and No. Bough Federal 13, Well #1
		9. API Well No. 30 025 38276
		10. Field and Pool or Exploratory Area Bough Abo
		11. Country or Parish, State Lea County, 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" 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 must 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 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.)

Please see plugging proposal/procedure attached.

\* Note changes to NOI

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

RECEIVED

AUG 20 2008

HOBBS OCD

APPROVED  
AUG 18 2008  
JAMES A. AMOS  
SUPERVISOR-EPS

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Ann E. Ritchie		Title Regulatory Agent	
Signature <i>Ann E. Ritchie</i>		Date 07/09/2008	

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

Approved by <i>Chris Williams</i>	Title	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

**Rubicon Oil & Gas, LLC  
Bough Fed 13 No. 1  
Bough Oil Field  
Lea County, New Mexico  
P&A Procedure**

**GENERAL INFORMATION**

Location: 1650' FNL & 1980' FEL, Section 13, T9S, R35E, Unit G

API No.: 35-025-38276

Directions to well: From Crossroads, NM; go North on Hwy 206 for 2 miles to Bond Road, turn right 1.3 miles East, turn right or South for 5/10 mile, turn left or East 2/10 mile to location.

Special Considerations: Plan services to go immediately to the Fed A-2 location and plug that well using this tubing following this job.

**WELL INFORMATION**

<u>String OD</u>	<u>Weight &amp; Grade</u>	<u>Depth</u>	<u>ID</u>	<u>Drift</u>	<u>Burst</u>	<u>TOC</u>
13-3/8"	48# H-40	0' - 444'	12.715	12.559	1730	surface
8-5/8"	32# K-55	0' - 4130'	7.921"	7.875"	3930	Surface
5-1/2"	17# L-80/K-55	0'-9700'	4.892"	4.767"	5320	~4150'

Wellhead: 7-1/16" 5k X 11" 3k Flanged wellhead.

Checklist prior to MI pulling unit :

- Set open top tank to catch fluids and have sugar on hand to retard any cement.
- Set frac tank to mix 300 bbls 10 ppg mud to circ and plug with.
- Set mat to rig up on and insure solid foundation
- Set frac tank to hold 200 bbls fresh water
- Notify BLM Hobbs office 575-393-3612

**WELLBORE PREP PROCEDURE**

1. MIRU PU & NU 7-16" 3M manual double BOP. Current EOT is @ 4770', RU TOH w/ 147 jts standing back.
2. RU sandline drill and knock out CIBP @ 4796' and push to CIBP @ 8800'.
3. RIH w/ tubing to ~ 8750', circ hole with 215 bbls 10 ppg mud.
4. Spot 25 sks Class H 8750-8528' across DV tool @ 8683'. Pull up hole and wait 4 hrs and tag plug.

**Rubicon Oil & Gas, LLC**

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5. Pull tubing to 7700', spot 25 sks Class H 7700-7478' across Abo top. This plug does not require tagging.
6. TOH w/ tubing, PU CIBP, mechanical setting tool and TIH to 4680'. Set CIBP to isolate the San Andres. TOH w/ setting tool. *Cap CIBP w/ 35' cnt (DB) or 25 sk min.*
7. RD BOP and tubing head. PU 5-1/2" spear w/ 2-7/8" N80 lift sub and engage 5-1/2" stub. Pick 5-1/2' casing out of slips. Casing landed with full weight on slips, should take around 120K to get the slips pulled.
8. RU wireline and run freepoint. Cut off 5-1/2" @ 4150'. Fluid on 5-1/2" annulus is 10 ppg, wellbore should be in balance.
9. RU casing crew and laydown 4150' 5-1/2" casing.
10. TIH with 2-7/8" tubing open ended to 4250' and RU Cement company.
11. P&A spotting the following plugs per BLM requirements of 25 sk minimum per plug or as specified: **152 sks cement required** + load of FW

• Plug #1 4250'-4050'	45 sks	250'	Class C, 1.26 ft3/sk (stub plug, <u>tag 4050'</u> ,minimum)
X • Plug #2 2660'-2543'	30 sks	106'	Class C, 1.26 ft3/sk ( base of salt 2610', tag plug)
X • Plug #3 2300'-2200'	30 sks	106'	Class C, 1.26 ft3/sk ( Top of salt 2250', tag plug)
• Plug #4 494'-394'	30 sks	106'	Class C, 1.26 ft3/sk ( base of surface csg @ 444' - <u>tag 394'</u> minimum)
• Surface plug ~60'	17sks	60'	Class C, 1.26 ft3/sk

12. Dig out and cutoff wellhead 4' below ground level, send wellhead to Cameron in Hobbs. Weld on plate on 7-5/8" casing stub and install dryhole marker out of 3" pipe with Operator Name, Legals, API #. Rip location per BLM stipulation and reseed. Most of the material has been picked up on this location.

X Plugs should be 100' plus 10% per 1000' depth. 120' plugs. adjust sks.

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

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval**

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 the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. 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 plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. 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 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. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

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. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging 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 well was plugged.**

8. **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.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.