

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

RECEIVED

OCT 04 2012

NMOOD ARTESIA

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
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Rubicon Oil & Gas, LLC3a. Address
508 W. Wall St., Suite 500, Midland, TX 797013b. Phone No. (include area code)
432 683-65654. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FNL & 1300' FWL, Sec 30, T20S, R25E, UL-D

5. Lease Serial No.

NMNM 117545

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Stone 30 Federal, Well #1

9. API Well No.

30 015 35940

10. Field and Pool, or Exploratory Area
Cemetery, Morrow (Gas)

11. County or Parish, 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 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.)

Proposal to plug back as follows:

Plug 1: Pump balanced cement plug from 9460-9000' - across perfs from 9396-9405' & across Morrow top @ 9058', 45 sx CI H, 16.4 ppg, 4.3 gal/sx. Pull up above and WOC, TIH & tag plug. Spot 10 ppg brine between plug 1 and 2.

Plug 2: Pump balanced cement plug from 8460-8330' - across perfs from 8389-8402', 25 sx CI H, 16.4 ppg, 4.3 gal/sx. Pull up above & WOC, TIH and tag plug. Spot 10 ppg brine between plug 2 and 3.

Plug 3: Pump balance cement plug from 6210-5950' across Wolfcamp top @ 6158' and across DV tool at 6000', 25 sx CI C, 14.8 ppg, 6.3 gal/sx. Pull up above & WOC, TIH and tag plug. Spot 10 ppg brine between plug 3 and 4.

Plug 4: Pump balanced cement plug from 3680-3570' - across Abo top @ 3614', 25 sx CI C, 14.8 ppg, 6.3 gal/sx. Pull up above and WOC, TIH & tag plug.

Perforate Yeso formation at approximately 2700' and stimulate.

SEE ATTACHED FOR
CONDITIONS OF APPROVALWITNESS
PLUG BACK

Submit C-102

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

David Wantuck

Title Engineer

Signature

David Wantuck

Date

05/14/2012

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Office

OCT 3 2012

WESLEY W. INGRAM
PETROLEUM ENGINEER

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 Stone
Orchard Prospect
Stone 30 Federal #1
Eddy County, New Mexico
Proposed Wellbore
Plugback to Yeso
API# 30-015-35940**

**KB:3,578'
GL:3,561'**

**660' FNL & 1300' FWL
Sec. 30, T20S, R25E, UL D
Eddy County, NM**

**TD'd: 1/14/09
Spud: 12/13/2008**

Bit Size: 17-1/2"
Gel/Lime "spud mud" 8 4-9.4 PPG
Lost full returns @ 180', dry drill to TD

13-3/8" 54.5# J55 STC @ 416' w/ 100 sks Halcem w/ 10% CalSeal (1.35 yld/14.2ppg) + 450 Halcem 1/8# polyflake, 2%CaCl (1.32 yld/14.8 ppg), No returns, TOC ~200', Top out via 1" in 7 stages pumping 500 sks Halcem w/ 2% CaCl, yld ~ 1.35 cu ft/sk

Bit Size: 12-1/4"
Fresh Water 8.4 - 8.6 PPG.
San Andres ~650'
Glorietta ~2,300'

9-5/8" 36# K55 STC @ 2250' Lead Slurry: 680 sks Class C 50/50 Poz w/ additives, yld ~ 2.45 cu ft/sk Tail Slurry: 200 sks Class C w/ 2% CaCl, yld ~ 1.34 cu ft/sk, CIRC 300 sk to pit.

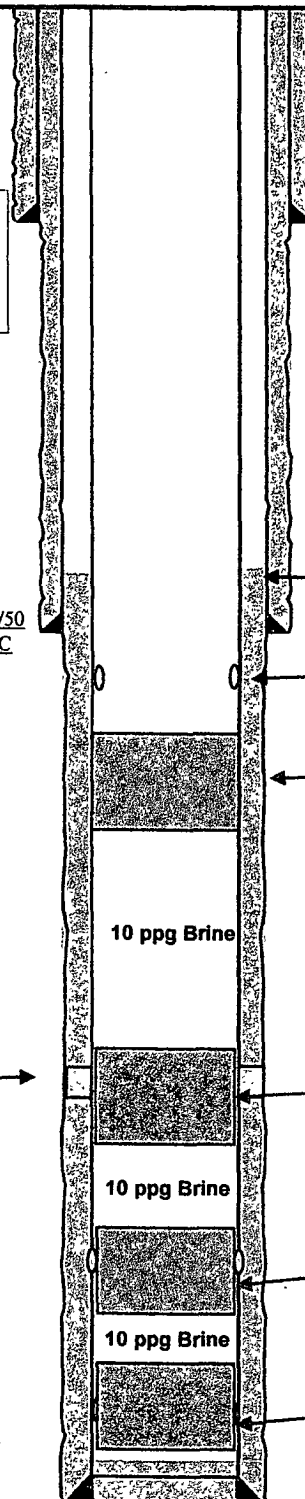
Abo ~3,624'

Bit Size: 8-3/4"
3000'-8700': Fresh Water / Cut brine 8.4 - 9.4
8700-9,800': Polymer/Brine 10.0 - 10.1 PPG

DV Tool @ ~6000'
3rd Bone Springs ~ 6,000'
Wolfcamp ~6,158'

Morrow ~9,058'

4-1/2" 11.6# HCP-110 LTC @ 9,800' w/ 1120 sks Class C Poz with additives, yld ~ 1.57 cu ft/sk 2nd stage - 875 sks Class C 50/50 Poz w/additives, yld ~ 1.97 cu ft/sk, Tail Slurry: 150 sks Halcem w/yld ~ 1.32 cu ft/sk



TOC ~1750' by CBL

Proposed Yeso Completion at approx. 2700'-2750'

Cement Plug 4, 3570'-3680', across Abo top at 3624', 25 sx, Class C, 14.8 ppg, 6.3 gal/sk

Cement Plug 3, 5950'-6210', across DV tool at 6000' and Wolfcamp top at 6158', 25 sx, Class C, 14.8 ppg, 6.3 gal/sk

Cement Plug 2, 8330'-8460', across Strawn perms 8389-8402', 25 sx, Class H, 16.4 ppg, 4.3 gal/sk

Cement Plug 1, 9000'-9460', across Morrow perms 9396-9405' and Morrow top at 9058', 45 sx, Class H, 16.4 ppg, 4.3 gal/sk

Updated DWW 5/2012

Rubicon Oil & Gas, LLC
Stone Orchard Prospect

KB:3,578'
GL:3,561'

660' FNL & 1300' FWL
Sec. 30, T20S, R25E, UL D
Eddy County, NM

Stone 30 Federal #1
Eddy County, New Mexico
Current Wellbore
API# 30-015-35940

TD'd: 1/14/09
Spud: 12/13/2008

Bit Size: 17-1/2"
 Gel/Lime "spud mud" 8.4-9.4 PPG
 Lost full returns @ 180', dry drill to TD

13-3/8" 54.5# J55 STC @ 416' w/ 100 sks Halcem w/ 10% CalSeal (1.35 yld/14.2ppg) + 450 Halcem 1/8# polyflake, 2%CaCl (1.32 yld/14.8 ppg), No returns, TOC ~200', Top out via 1" in 7 stages pumping 500 sks Halcem w/ 2% CaCl, yld ~ 1.35 cu ft/sk

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3rd Bone Springs ~ 6,000'
Wolfcamp ~6,158'

DV Tool @ ~6000'

288 JTS 2 3/8" L80 TBG
4 1/2" X 2 3/8" AS1 PKR @ 9319'

Morrow ~9,058'

4-1/2" 11.6# HCP-110 LTC @ 9,800' w/ 1120 sks Class C Poz with additives, yld ~ 1.57 cu ft/sk. 2nd stage - 875 sks Class C 50/50 Poz w/additives, yld ~ 1.97 cu ft/sk, Tail Slurry: 150 sks Halcem w/yld ~ 1.32 cu ft/sk

TOC ~1750' by CBL

3/2009 Set CIBP 9330' & dump cmt to isolate Morrow. Strawn Perfs 8,389' - 8,402', 2 JSPF, 26 holes, Acidize w/3200 GAL 20% NeFe, FFR - Gas - TSTM, 48/64", 40 BWPD, 10 PSI FTP

2/2009 Morrow Perfs 9,396' - 9,405', 3 JSPF, 27 Holes, Acidize w/500 GAL 10% MSA, FFR - 424 MCF, 24/64", 260 BWPD @410 FTP

11/2010 Drid out cmt & CIBP 9330', Ran pkr to 9319'. Acidize Morrow perfs 9396-9405' w/ 2000 gal 7.5% MCA + BS, swab and flow test 48/64 choke, 50 psi FTP, 90 MCFPD + 229 BWPD, Uneconomic Suspend and Shut In

Updated Hal 12/2010

Conditions of Approval

Rubicon Oil & Gas, LLC

Stone 30 Federal, Well #1

API 30-015-35940

T20S-R25E, Sec 30

October 3, 2012

1. A new "Well Location and Acreage Dedication Plat" (NMOCD Form C-102) is required with the notice of intent package when opening another pay zone.
2. **Before plug back operations begin, provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 9700' or below to top of cement. (attach to an e-mail to pswartz@blm.gov)**
3. Notify BLM at 575-200-7902 a minimum of 24 hours prior to commencing plug back procedures. The procedures shall be witnessed. If no answer, leave a voice mail with the API#, workover purpose, and a call back phone number. Note the contact, time and date in your subsequent report.
4. Surface disturbance beyond the existing pad must have prior approval.
5. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
6. Functional H₂S monitoring equipment shall be on location.
7. A minimum of 3000 (3M) BOPE shall 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.
8. All waste (i.e. 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. **Minimum 25 sack (class H > 7500 ft & C < 7500 ft) cement will be necessary.** For any plug that requires a tag or pressure test, a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Formation isolation plugs shall be neat Class "C" to be mixed 14.8#/gal, 1.32 ft³/sx, 6.3gal/sx water and neat "H" to be mixed 15.6#/gal, 1.18ft³/sx, 5.2gal/sx water.

10. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
11. The BLM PET witness is to run tubing tally and agree to cement placement. Sample each plug for cement curing time and tag and/or pressure test (WOC time of 4 hours or more is recommended) as requested by BLM PET witness.
12. After setting the top plug and before perforating, perform a BLM PET witnessed (charted) casing integrity test of 1500 psig. Pressure leakoff may require correction for approval. - Include a copy of the chart in the subsequent sundry for this workover.
13. File a **subsequent sundry** Form 3160-5 within 30 days of the plug back and acid treatment. Include an updated wellbore diagram
14. Submit the BLM Form 3160-4 **Completion Report** within 30 days of the date all BLM approved procedures are complete.
15. Workover approval is good for 90 days (completion to be within 90 days of approval). A legitimate request is necessary for extension of that date.

PRS/WWI 100312

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.