

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

070 Farmington, NM

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

990' FNL 1650' FEL, Sec.10, T-30-N, R-9-W, NMPM

5. Lease Number
SF-081098

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

RECEIVED
APR - 6 1999

OIL CON. DIV.
DEC 3

8. Well Name & Number
Riddle #3

9. API Well No.
30-045-09744

10. Field and Pool
Blanco Mesaverde

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add Menefee pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

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

Signed Shirley S. [Signature] (MSQ) Title Regulatory Administrator Date 3/26/99
TLW

(This space for Federal or State Office use)

APPROVED BY Chip Hamaden Title Acting Team Lead Date 4/2/99

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes 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.

NM002

Riddle #3
Menefee Payadd Procedure
990' FNL, 1650' FEL
Unit B Sec. 10, T-30 R-9W
San Juan County, NM
Latitude: 36 ° 81.11' Longitude: 107° 45.85'

Summary:

The Riddle #3 is a 1999 Menefee payadd. This well was originally drilled in 1953 and was open-hole completed w/ SNG in the Mesaverde. In 1963, the well was side tracked and completed in the Cliff House and the Point Lookout. The Cliff House was treated with 20,000# sand and 45,000 gals water, and the Point Lookout was treated with 30,000# sand and 57,000 gals water. The Menefee formation was omitted during this completion. The Menefee will be completed w/ 90,000# sand and 54,805 gals 30# Linear Gel.

- Comply with all NMOCD, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. **Notify BR regulatory (Peggy Bradfield 326-9727)** and the appropriate Regulatory Agency prior to pumping any cement job and after CBL is run. If an unplanned cement job is required, **approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims.** Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.
 - Inspect location and wellhead and install rig anchors prior to rig move.
 - Construct blow pit.
1. MOL, hold safety meeting and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Set 4 - 400 BBL frac tanks and fill w/ 2% KCL. Blow well down and kill well with 2% KCL water as necessary. ND wellhead and NU BOP, stripping head and blooie line. Test BOP.
 2. TOOH w/ approximately 171 jts. 2-3/8" tbg set at +/- 5108' and stand back. Inspect tubing and replace as necessary.
 3. RU wireline company and RIH w/ 4-1/2" gauge ring to 5000'. If ring tags up before 5000', PU 3-7/8" bit on 2-3/8" tubing and CO to 5000'. TOOH. PU 4-1/2" CIBP and 4-1/2" retrievomatic packer on 2-3/8" 4.7# tubing and set CIBP @ \pm 5000'. Pull 1 joint and set packer @ \pm 4968'. Pressure test CIBP to **3800 psi** at surface. Release packer. Spot 250 gals 15% HCl Acid**. TOOH.
 4. Run CBL/GR/CCL from 5000' to 100' above TOC (estimated TOC is 2810' by TS from 1963). POOH. Run CNL/GR/CCL from 5000' to 4500'. Correlate to old GR-Neutron Log. Hot shot both logs to Michele Quisel and to Drilling to pick perms.
 5. Perforate approximately 20 holes with 3-1/8" HSC-3125-306T gun w/ 12 gram charges, 17.48" penetration and 0.30 perf diameter. Correlate to new Compensated Neutron Log. Perforate bottom up at depths to be determined. RD wireline company.

Stimulate -- Menefee

6. PU 4-1/2" packer on 2-3/8" 4.7# tubing and set @ \pm 4680'. **Note: Perforations open from 4574'-4656' in the Cliff House.** Open annulus to the pit and monitor. Breakdown perforations w/ 1500 gal. 15% HCL.** to a maximum surface pressure of 3800 psi. Drop 40 -- 7/8" 1.1 SG RCN balls. Balloff to maximum surface pressure of 3800 psi. Record breakdown pressure and ISIP. Release pkr and knock balls off perforations. TOOH.

** All acid to contain the following additives/1000 gal.:

2 gal.	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	surfactant
0.5 gal	Clay Master-5C	clay control

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7. PU and TIH w/ 4-1/2" C-Cup Packer Straddle Assembly (4-1/2" C-Cup packer, 6 jts of 2-3/8" 4.7# J-55 tbg, 4-1/2" packer, and 2 jts 2-3/8" 4.7# J-55 tbg.) and the remaining 2-7/8" 6.4# N-80 BUTTRESS frac string. Set bottom packer @ \pm 4700' and set the top packer @ \pm 4508'. (Straddling perfs: 4574' – 4656') RU Stimulation Company. Hold pre-job safety meeting. Load annulus and keep loaded during frac. Pressure annulus to 500 psi and monitor annulus pressure during frac. Pressure test surface lines to 7000 psi.
8. Fracture stimulate in 1.0 to 3.0 ppg stages @ 35 BPM constant downhole rate with 54,805 gal. of 30# linear gel and 90,000# 20/40 mesh sand. **Maximum surface treating pressure is 6000 psi at 35 BPM.** When sand concentration begins to drop, call flush. Flush to top perf @ \pm 4800'. Maximum bottomhole treating pressure is 3800 psi (80% of burst). Estimated friction pressure is 3780 psi @ 35 BPM.
9. Record ISIP, 5, 10, and 15 minute shut-in pressure. Shut-in frac valve. RD stimulation company.

Stage	Sand Conc ppg	Stage Sand lbs	Stage Fluid gals	Slurry Rate bpm
Pad	0	0	8,000	35
2	1	15,000	15,000	35
3	2	35,000	17,500	35
4	3	40,000	13,333	35
Flush		0	972	35
		Total 90,000	Total 54,805	Ave. 35

10. After pressure allows, release packers and TOO H w/ 2-7/8" 6.4# N-80 BUTTRESS frac string and 4-1/2" C-Cup Straddle Packer Assembly and lay down.
11. TIH w/ 3-7/8" bit on 2-3/8" 4.7# J-55 tubing and CO to CIBP @ \pm 5000'. Obtain pitots when possible. When rates drop to less than 3 BWPH and a trace of sand, DO CIBP @ \pm 5000' and CO to PBTD @ 5185'. Obtain final pitot and TOO H.
12. Rabbit in tubing. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, seating nipple, then the remaining 2-3/8" production tubing. Land tubing @ \pm 5108'.
13. ND BOP's, NU wellhead. Pump off expendable check. RD and MOL. Place well on production.

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San Juan County, NM
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Approve:  3/8/99
Team Leader

Approve:  3.20.99
Drilling Superintendent

Recommend: 
Production Engineer 3-17-99

VENDORS:

Wireline:

Black Warrior

326-6669

Michele Quisel

Home 564-9097

Office 324-6162

Pager 326-8196

Riddle #3

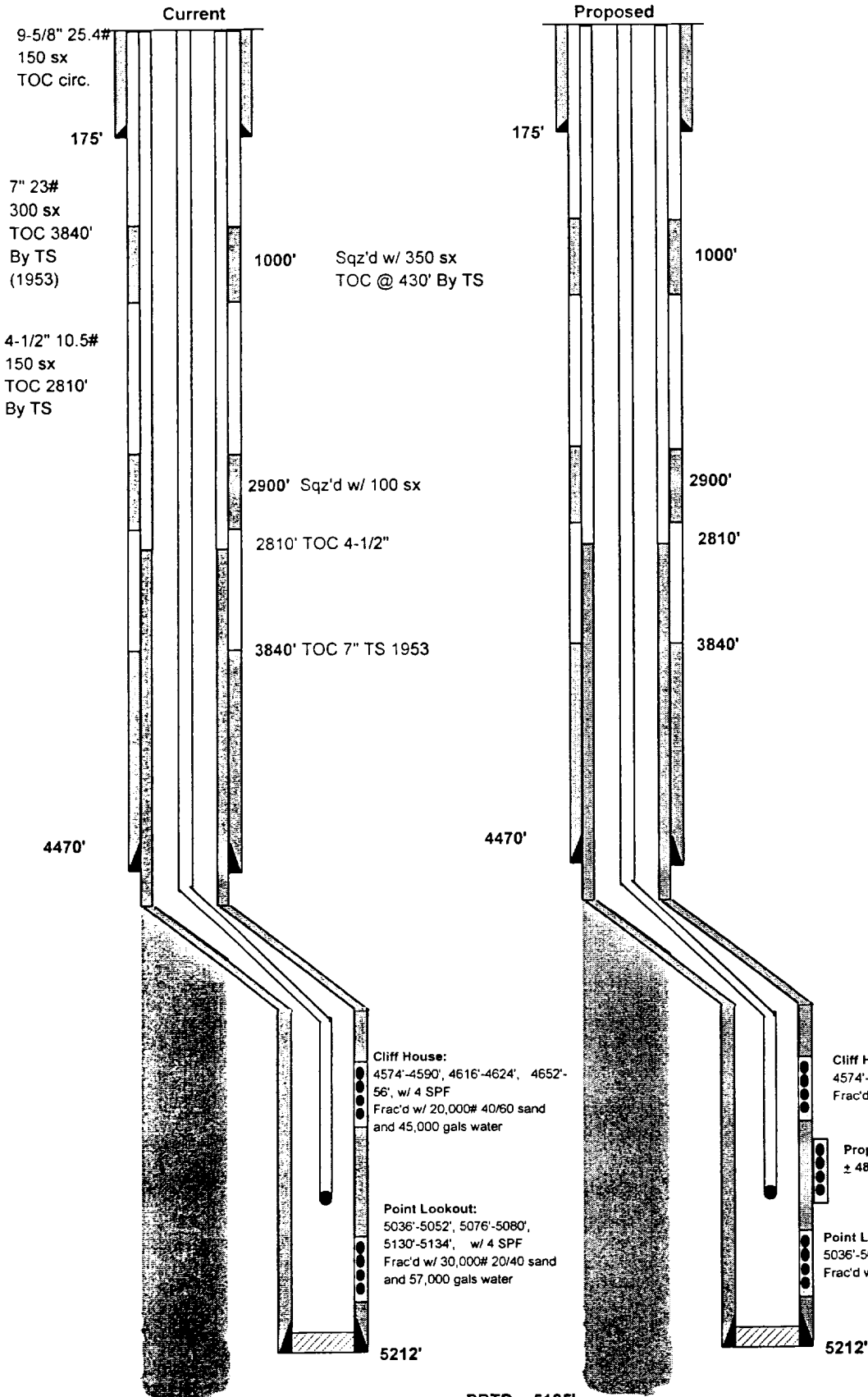
990' FNL, 1650' FEL

Unit B Sec. 10, T-30 R-9W

San Juan County, New Mexico

KB 6023

GL 6033



Formation Tops

Ojo Alamo	1775
Kirtland	1863
Fruitland Coal	2488
Pictured Cliffs	2807
Lewis	2900
Cliffhouse	4497
Menefee	4638
Point Lookout	5036

Tubing:

2-3/8" 4.7# J-55
Set @ 5108' w/
SN @ 5076'

PBTD = 5185'
TD = 5224

MSQ

03/26/1999