

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

APR 29 PM 1:28

1. Type of Well  
GAS

070 FARMINGTON, NM

5. Lease Number  
SF-081098

6. If Indian, All. or  
Tribe Name

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

RECEIVED  
APR 15 1999

Unit Agreement Name

3. Address & Phone No. of Operator

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

OIL CON. DIV.  
DIST. 3

Well Name & Number  
Riddle B #2

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

250' FNL 1650' FEL, Sec. 10, T-30-N, R-6-W, NMPM

9. API Well No.

30-045-09714-09201

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

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other -	

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 John D. Spencer (MSQ) Title Regulatory Administrator Date 3/26/99  
TLW

(This space for Federal or State Office use)

APPROVED BY Team Lead, Petroleum Management

Title

John D. Spencer

Date

APR 13 1999

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.

NMOCD

**Riddle B #2**  
**Menefee Payadd Procedure**  
**1650' FNL, 890' FEL**  
**Unit H Sec. 23, T-30 R-10W**  
**San Juan County, NM**  
**Latitude: 36 ° 48.0176' Longitude: 107° 50.8383'**

**Summary:**

The Riddle B #2 is a 1999 Menefee payadd. This well was originally drilled in 1952 and was open-hole completed w/ SNG in the Mesaverde. In 1972, the well was side tracked and completed in the Cliff House and the Point Lookout. The Cliff House was treated with 30,000# sand and 25,500 gals water, and the Point Lookout was treated with 86,000# sand and 75,000 gals water in two stages. The Menefee formation was omitted during this completion. The Menefee will be completed w/ 110,000# sand and 64,411 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 5 - 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 179 jts. 2-3/8" tbg set at +/- 5501' and stand back. Inspect tubing and replace as necessary.
  3. RU wireline company and RIH w/ 4-1/2" gauge ring to 5150'. If ring tags up before 5150', PU 3-7/8" bit on 2-3/8" tubing and CO to 5150'. TOOH. PU 4-1/2" CIBP and 4-1/2" retrieveomatic packer on 2-3/8" 4.7# tubing and set CIBP @  $\pm$  5150'. Pull 1 joint and set packer @  $\pm$  5118'. Pressure test CIBP to **3800 psi**. Release packer. Spot 280 gals 15% HCl Acid\*\*. TOOH.
  4. Perforate 21 holes with 3-1/8" HSC-3125-306T gun w/ 12 gram charges, 17.48" penetration and 0.30 perf diameter. Correlate to old Density Log. Perforate bottom up at:

**5105', 01', 5068', 65', 15', 05', 4996', 91', 81', 77', 61', 10', 05', 00',  
4893', 82', 77', 49', 03', 4734', 29'**

RD wireline company.

**Stimulate -- Menefee**

5. PU 4-1/2" packer on 2-3/8" 4.7# tubing and set @  $\pm$  4650". **Note: Perforations open from 4530'-4614' in the Cliff House.** Open annulus to the pit and monitor. Breakdown perforations w/ 1500 gal. 15% HCL.\*\* to a maximum bottom hole pressure of 3800 psi. Drop 42 -- 7/8" 1.1 SG RCN balls. Balloff to maximum bottom hole 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

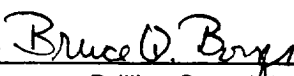
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**Menefee Payadd Procedure**  
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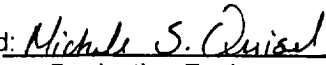
6. PU and TIH w/ 4-1/2" C-Cup Packer Straddle Assembly (4-1/2" C-Cup packer, 5 jts of 2-3/8" 4.7# J-55 tbg, 4-1/2" packer, and 2 jts 2-3/8" 4.7# J-55 tbg.) and the remaining 2-7/8" 6.4# N-80 BUTTRESS frac string. Set bottom packer @  $\pm$  4650' and set the top packer @  $\pm$  4490'. (Straddling perms: 4530' - 4614') 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.
7. Fracture stimulate in 1.0 to 3.0 ppg stages @ 35 BPM constant downhole rate with 64,411 gal. of 30# linear gel and 110,000# 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 @  $\pm$  4729'. Estimated friction pressure is 3760 psi @ 35 BPM.
8. 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	10,000	35
2	1	15,000	15,000	35
3	2	40,000	20,000	35
4	3	55,000	18,333	35
Flush		0	1078	35
		<b>Total</b> 110,000	<b>Total</b> 64,411	<b>Ave.</b> 35

9. 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.
10. TIH w/ 3-7/8" bit on 2-3/8" 4.7# J-55 tubing and CO to CIBP @  $\pm$  5150'. Obtain pitots when possible. When rates drop to less than 3 BWPH and a trace of sand, DO CIBP @  $\pm$  5150' and CO to PBDT @ 5505'. Obtain final pitot and TOO H and lay down.
11. PU and 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 @  $\pm$  5501'.
12. ND BOP's, NU wellhead. Pump off expendable check. RD and MOL. Place well on production.

Approve:  3/23/99  
 Team Leader

Approve:  3-22-99  
 Drilling Superintendent

Recommend:  3-17-99  
 Production Engineer

Wireline: Black Warrior 326-666  
 Michele Quisel Home 564-9097 Office 324-6162 Pager 326-8196

# Riddle B #2

1650' FNL, 890' FEL

Unit H Sec. 23, T-30 R-10W

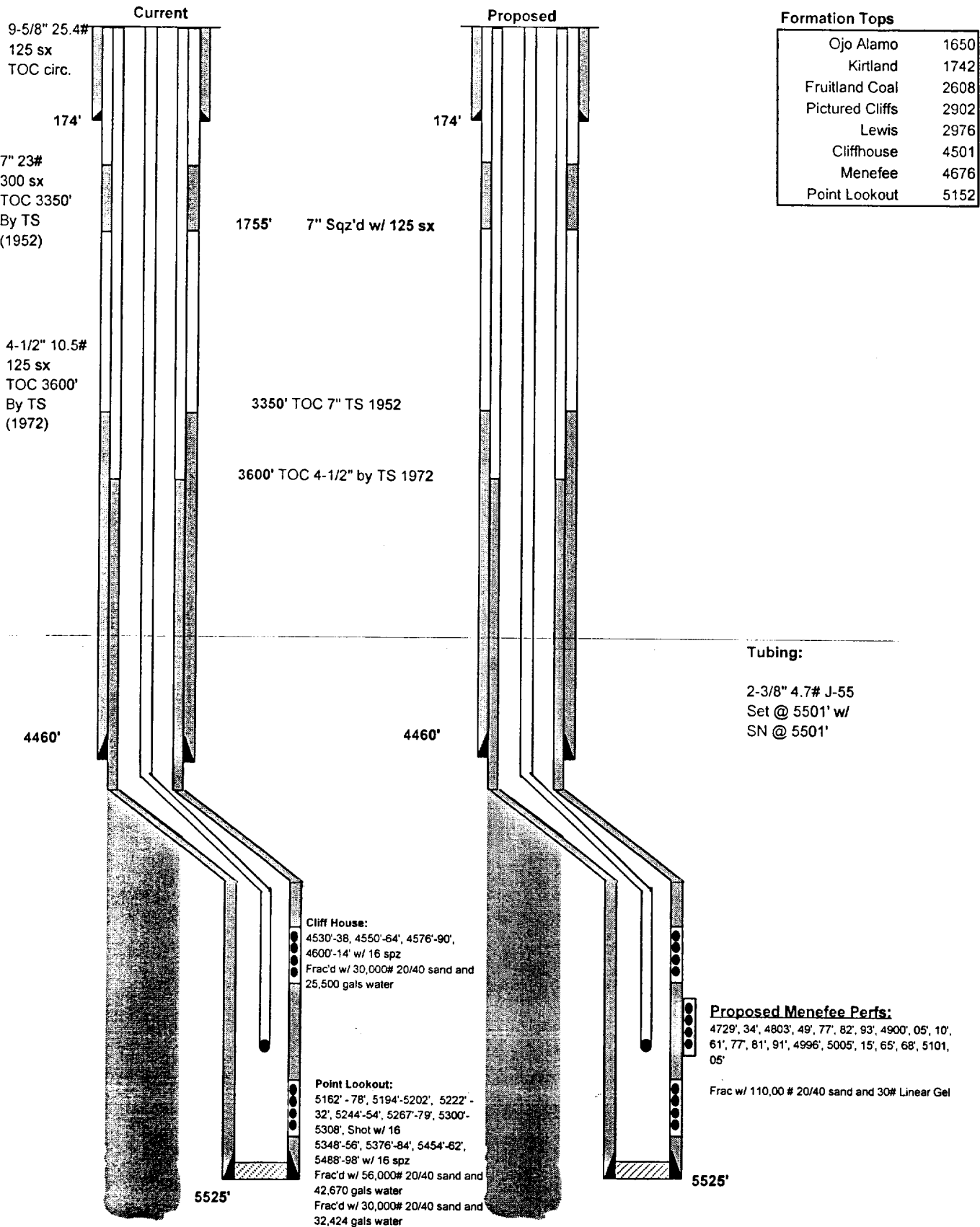
San Juan County, New Mexico

KB 6297

GL 6285

Lat: 36 deg 48.0179'

Long: 107 deg 50.8383



PBTD = 5505'

TD = 5525'

MSQ

03/11/1999