

99 MAR -4 PM 5: 23

1. Type of Well
GAS

070 FARMINGTON, NM

Lease Number
NM-12013
If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES** OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

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

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MAR 12 1999

8. Well Name & Number
EPNG A #1A

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

1840' FNL 1830' FEL, Sec.21, T-32-N, R-6-W, NMPM

OIL CON. DIV.
DIST. 3

9. API Well No.
30-045-26229

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 Lewis 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 [Signature] (RLG) Title Regulatory Administrator Date 3/2/99
TLW

(This space for Federal or State Office use)
APPROVED BY /s/ Duane W. Spencer Title Team Lead, Petroleum Management Date MAR 10 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

✓

- Comply with all BLM, NMOCD, & BR rules & regulations.
- **Hold Safety Meetings.** Place fire safety equipment in strategic locations.
- Spot and fill 4 frac tanks with 2% KCl water.
- Use drill gas for all operations.
- (1) 4-1/2" CIBP required for 4-1/2" 10.5# K-55 pipe.
- (1) 4-1/2" Model 'EA' Retrieivomatic Packer
- 2 jts 2-7/8" 6.5# N-80 buttress tubing

The well is completed in the Blanco Mesaverde (CH/MN/PL) and is currently producing 60 MCFD. Cumulative production is 726 MMCF with remaining reserves of 125 MMCF. The Lewis will be stimulated in one stage with a 70 Quality foam, 25# linear gel frac and 200K# sand. Foam is to be used to limit fluid damage to the Lewis and aide in flowback. The flowback choke schedule is to be used to ensure that proppant remains in the fractures.

NOTE: Cliffhouse/Menefee perms open 5398' – 5690'

Point Lookout perms open 5720' – 5996'

1. MIRU. Record and report SI pressures on tubing, casing, and bradenhead. Blow down casing and tubing. Kill well w/ 2% KCl. ND WH, NU BOP.
2. TOOH with 2-3/8" 4.7# J-55 tubing from 5966' (192 joints, SN @ 5932'). Visually inspect tubing, replacing any bad joints.
3. RU wireline unit. Run 4-1/2" gauge ring to 4930'. POOH. TIH with 4-1/2" Mechanical set CIBP on 2-3/8" tbg at 4920' to isolate the open Mesaverde perms. Load hole bottoms up. TOOH.
4. Pressure test casing to 1000 psi for 10 minutes. With hole loaded and 1000 psi, run CBL from 4910' to surface or clean TOC. Send logs to Drilling Dept. and B. Goodwin for evaluation.
5. TIH with 4-1/2" pkr on 2-3/8" tbg. Set pkr at 60'. Pressure test to 3800 psi. TOOH. TIH with 2-3/8" tbg to 4915'. Blow hole dry. Spot 500 gal of 15% Acetic Acid. TOOH.
6. Under packoff, perforate Lewis at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.29" hole, 16.64" penetration), 1 SPF @ 180 degree phasing.

RLG3

4325', 4330', 4335', 4340', 4345', 4415', 4425', 4430', 4440', 4630', 4635',
4645', 4650', 4655', 4700', 4737', 4749', 4765', 4785', 4795', 4805', 4825',
4840'

(23 total holes, 515' gross interval)

7. TIH with 4-1/2" pkr on 2jts 2-7/8" 6.5# N80 buttress tbg. Set pkr at 60'. RU flowback equipment so that flowback can commence within 30 min after shutdown.
8. RU stimulation company. Test surface lines to 4800 psi. **Max surface pressure = 3800 psi at 5 BPM. Max static pressure = 3800 psi.** Break down Lewis w/ 1000 gallons 15% **Acetic Acid** and 4000 scf/m Nitrogen.
9. Begin fracture treatment. **Max surface pressure = 3800 psi at 40 BPM. Max static pressure = 3800 psi.** Fracture stimulate w/ 200,000# 20/40 Arizona sand in 70 Quality foam with 25# Linear gel at 40 BPM. (Estimated pressure drop due to friction in the wellbore is 1473 psi at 40 BPM.) See attached frac schedule for details. (4 frac tanks needed)
10. Shut well in after frac and record ISIP. RD stimulation company. Install flowback line above frac valve. Commence flowback within 30 min after shutdown. Open well to pit, starting with a 10/64" choke. Continue increasing choke size and cleaning well up until fluid returns are negligible. Take pitot gauges when possible.

11. RD flowback equipment. TOOH.
12. TIH w/3-7/8" bit on 2-3/8" tbg and clean out to CIBP at 4920'. Pull above perfs and obtain pitot gauge for the Lewis. Drill out CIBP (minimum mist rate of 12 BPH).
13. Clean out to PBSD (6004'). Clean up to minimal water and trace to no sand. Obtain combined pitot gauge.
14. Prepare to run production tubing string as follows: expendable check, one joint 2-3/8" tubing, 1.78" seating nipple, and remaining tubing. Land tubing @ 5966'.
15. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot up tubing. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Recommend: 
Production Engineer 2-8-79

Approved:  2/8/99
Basin Opportunities Team Leader

Approved:  2/13/99
Drilling Superintendent

Vendors:

| | | |
|-------------|---------------|----------|
| Wireline | Black Warrior | 326-6669 |
| Stimulation | Dowell | 325-5096 |

Production Engineer: **Bobby Goodwin**
326-9713-work
564-7096-pager
599-0992-home

EPNG A # 1A

Blanco Mesaverde

Unit G, Section 21, T32N, R6W

San Juan County, NM

Elevation: 6398' GL, 6410' KB

LAT: 36 58.09' / LONG: 107 27.60'

date spud: 9/27/85

