

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well

GAS

5. Lease Number

NM-03385

6. If Indian, All. or

Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

Unit Agreement Name

San Juan 30-6 Unit

3. Address & Phone No. of Operator

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

Well Name & Number

San Juan 30-6 U#18A

9. API Well No.

30-039-21977

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

1800' FSL 910' FEL, Sec. 18, T-30-N, R-6-W, NMPM

10. Field and Pool

Blanco Mesaverde

11. County and State

Rio Arriba Co, NM

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

Type of Submission

Type of Action

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

13. Describe Proposed or Completed Operations

It is intended to add the Lewis 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]* (BLG) Title Regulatory Administrator Date 12/21/98

TLW

(This space for Federal or State Office use)

APPROVED BY *[Signature]* Title IS/ Duane W. Spencer Date JAN - 6 1998

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

San Juan 30-6 Unit #18A
Burlington Resources Oil & Gas
Lewis Payadd
Unit I – Sec 18 - T30N - R06W
Lat: 36° 48.61'
Long: 107° 29.87'

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- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - Spot and fill 4 frac tanks with 4% 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
 - 3500' 3-1/2" 9.3# N-80 Frac string
 - 4 joints 2-7/8" 6.5# N-80 tubing
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The well is completed in the Blanco Mesaverde (PL/MN/CH) and is currently producing 200 MCFD. Cumulative production is 1357 MMCF with remaining reserves of 816 MMCF. The Lewis will be stimulated in one stage with a 70 Quality foam, ClearFRAC and 200K# sand. ClearFRAC is a Dowell product that is designed to minimize fluid damage to the reservoir. 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: Point Lookout perms open 5596' - 5970'
Cliffhouse/Menefee perms open 5249' – 5566'

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 5903' (197 joints, SN @ 5870') and LD. Visually inspect tubing, replacing any bad joints.
3. RU wireline unit. Run 4-1/2" gauge ring to 4800'. Wireline set 4-1/2" CIBP at 4780' to isolate the open Mesaverde perms. POOH. TIH with 4-1/2" pkr, set at 4750', pressure test to 3000 psi.
4. Close pipe rams and pressure test casing down annulus to 1000 psi for 10 minutes. If casing fails hunt hole(s) while tripping out of hole. Engineering will provide squeeze design if required.
5. With hole loaded and 1000 psi, run CBL from 4750' to 3500'. Send logs into engineering for evaluation.
6. RU wireline under packoff. Perforate 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.

4145', 4165', 4190', 4205', 4220', 4240', 4360', 4420', 4435', 4445',
4455', 4465', 4490', 4500', 4510', 4520', 4575', 4590', 4605', 4633',
4665', 4675'

(22 total holes, 530' gross interval)

7. TIH with 4-1/2" pkr on 2-3/8" tbg set at 4000'.
8. RU stimulation company. Test surface lines to 4800 psi. **Max surface pressure = 3800 psi at 5 BPM. Max static pressure = 3500 psi.** Break down w/ 1000 gallons 15 % HCl and 50 RCN 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to knock off perf balls. TOOH.
9. TIH with 4-1/2" pkr on 4 jts 2-7/8" tbg and +/- 3480' 3-1/2" N-80 frac string (liner top is at 3548'). Set pkr at 3600'. RU flowback equipment so that flowback can commence within 30 min after shutdown.
10. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi at 40 BPM. Max static pressure = 3500 psi.** Fracture stimulate w/ 200,000# 20/40 Arizona sand in 70 Quality foam with ClearFRAC at 40 BPM. (Estimated pressure drop due to friction in the wellbore is 3514 psi at 40 BPM.) See attached frac schedule for details. Frac will be tagged with radioactive tracers (0.4 mCi Ir-192, 0.3 mCi Sb-124, and 0.3 mCi Sc-46). (3 frac tanks needed)
11. 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. If minimal sand is being produced, change to a larger choke size (16/64"). If choke plugs off, shut well in and remove obstruction from choke and return to flowback. Continue increasing choke size and cleaning well up until fluid returns are low enough to allow the start of the second stage. Take pitot gauges when possible.
12. RD flowback equipment. TOOH.
13. TIH w/3-7/8" bit on 2-3/8" tbg and clean out to CIBP at 4780'. Pull above perfs and obtain pitot gauge for the Lewis. Drill out CIBP (minimum mist rate of 12 BPH). Clean out to PBTD (6014').
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 @ +/- 5903'.
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.
16. After frac logs will be run after rig moves off location.

San Juan 30-6 Unit #9 18A
Burlington Resources Oil & Gas
12/08/98

Recommended:  12-8-98
Production Engineer

Approved:  12/15/98
Basin Opportunities Team Leader

Approved: _____
Drilling Superintendent

Vendors:

Wireline	Black Warrior	326-6669
Stimulation	Dowell	325-5096
RA Tagging	Pro-Technics	326-7133

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

San Juan 30-6 Unit # 18A

Blanco Mesaverde Payadd
Unit I, Section 18, T30N, R06W
Rio Arriba County, NM
Elevation: 6424' GL
LAT: 36 48.61'
LONG: 107 29.87'
date spud: 07-15-79

