

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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

1850' FSL 1190' FEL, Sec. 31, T-30-N, R-6-W, NMPM

5. Lease Number  
SF-080180-A

6. If Indian, All. or  
Tribe Name

Unit Agreement Name  
San Juan 30-6 Unit

Well Name & Number  
San Juan 30-6 U#60A

9. API Well No.  
30-039-21951

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

<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 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 /s/ Duane W. Spencer Title \_\_\_\_\_ 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 # 60A**  
**Burlington Resources Oil & Gas**  
**Lewis Payadd**  
**Unit I - Sec 31 - T30N - R06W**  
**Lat: 36° 46.00'**  
**Long: 107° 29.93'**

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- 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.
  - **(2) 4-1/2" CIBP** required for 4-1/2" 10.5# K-55 pipe.
  - **(1) 4-1/2" Model 'EA' Retreivamatic Packer**
  - **5600' 3-1/2" 9.3# N-80 Frac string**
  - **4 jts 2-7/8" 6.5# N-80 tubing**
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***The well is completed in the Blanco Mesaverde (CH/MN/PL) and is currently producing 144 MCFD. Cumulative production is 765 MMCF with remaining reserves of 675 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 perfs open 5556' – 5978'**  
**Point Lookout perfs open 6012' - 6271'**


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 **6284'** (210 joints, SN @ **6253'**) and LD. Visually inspect tubing, replacing any bad joints.
3. RU wireline unit. Run 4-1/2" gauge ring to 5200'. Wireline set 4-1/2" CIBP at 5180' to isolate the open Mesaverde perfs. POOH. TIH w/2-3/8" tbg and 4-1/2" pkr, set at 5170', pressure test to 3000 psi. Spot 500 gal 15% HCl and load hole with 2% KCl. TOOH. Test to 1000 psi from surface. With hole loaded and 1000 psi, run CBL from 5170' to 4010'. Send logs to B. Goodwin.
4. 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.

**4515', 4530', 4545', 4585', 4608', 4780', 4795', 4810', 4850', 4860',  
4920', 4935', 4950', 4965', 4990', 5020', 5035', 5050', 5100', 5105'**

**(20 total holes, 590' gross interval)**

5. TIH with 4-1/2" pkr on 2-3/8" tbg set at 4350'.
6. RU stimulation company. Test surface lines to 4300 psi. **Max surface pressure = 3300 psi at 5 BPM. Max static pressure = 3000 psi.** Break down second stage w/ 1000 gallons 15% HCL and 40 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to 5120' to knock off perf balls. TOOH.
7. TIH with 4-1/2" pkr on 4 jts 2-7/8" 6.5# N80 tbg and 3-1/2" 9.3# N80 frac string. Set pkr at 4040'. RU flowback equipment so that flowback can commence within 30 min after shutdown.
8. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the second stage 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 3903 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). *(4 frac tanks needed)*
9. 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 negligible. Take pitot gauges when possible.
10. RD flowback equipment. TOOH.
11. TIH w/3-7/8" bit on 2-3/8" tbg and clean out to CIBP at 5180'. Pull above perfs and obtain pitot gauge for the upper Lewis. Drill out CIBP (minimum mist rate of 12 BPH).
12. Clean out to PBSD (6368'). Clean up to minimal water and trace to no sand. Obtain combined pitot gauge.
13. 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 @ 6284'.
14. 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.
15. After frac log will be run after the rig is released.

San Juan 30-6 Unit # 60A  
Burlington Resources Oil & Gas  
12/14/98

Recommend:   
Production Engineer 12-14-98

Approved:   
Basin Opportunities Team Leader 12/15/98

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 # 60A

Blanco Mesaverde Payadd

Unit I, Section 31, T30N, R06W

Rio Arriba County, NM

Elevation: 6830' GL

LAT: ~~36-47.16'~~ ~~36° 46.00'~~

LONG: ~~107-25.58'~~ ~~107° 29.93'~~

date spud: 06-15-79

