

submitted in lieu of Form 3160-5

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

1680' FNL 1070' FEL, Sec. 26, T-30-N, R-6-W, NMPM

5. Lease Number

SF-078741

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

San Juan 30-6 Unit

8. Well Name & Number

San Juan 30-6 U#16

9. API Well No.

30-039-07764

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

☒ 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 restimulate and 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 2/8/99  
TLW

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title \_\_\_\_\_ Date FEB 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

**San Juan 30-6 Unit #16**  
Burlington Resources Oil & Gas  
MV Restimulation/Lewis Payadd  
Unit H-Sec 26-T30N-R06W  
Lat: 36° 47.16'  
Long: 107° 25.58'

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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 **8** frac tanks with 2% KCl water.
  - Use drill gas for all operations.
  - **(1) 5" CIBP** required for 5" 11.5# J-55 pipe.
  - **(1) 5" RBP** required for 5" 11.5# J-55 pipe.
  - **(1) 5" Model 'EA' Retreivamatic Packer**
  - **2 jts 2-7/8" 6.5# N80 tbg**
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*The well was completed in the Blanco Mesaverde (CH/MN/PL) in 1956. The well was stimulated with slickwater and no sand. It is currently producing 103 MCFD. Cumulative production is 3555 MMCF with remaining reserves of 362 MMCF. The MV will be restimulated in one stage with 20# linear gel and 200K# sand. The Lewis will be stimulated in two stages with a 70 Quality foam, 20# linear gel frac and 100K# sand for each stage. 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: Mesaverde perms open 5532' - 6028'**

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 **5997'** (**200** joints) and LD. Visually inspect tubing, replacing any bad joints.
3. RU wireline unit. Run gauge ring to 5520'. POOH. TIH with 5" Mechanical set RBP to 5510' to isolate the open Mesaverde perms. POOH. Load hole while TOOH.
4. With hole loaded and 1000 psi, run CBL from 5500' to 3000'. Send logs to B. Goodwin and Drilling Dept. for evaluation.
5. Slowly ramp pressure to **2000** psi to test 5" casing, hold for 10 minutes. If casing fails hunt hole(s). Engineering will provide squeeze design if required.
6. TIH with retrieving head on 2-3/8" tbg. Latch onto the RBP at 5510'. TOOH.

***Menefee/Cliffhouse Completion:***

7. TIH w/ 5" pkr on 2 jts 2-7/8" tbg. Set pkr at 60'.
8. RU stimulation company. Test surface lines to 3000 psi. **Max surface pressure = 2000 psi at 5 BPM. Max static pressure = 2000 psi.** Break down w/1000 gallons **15% HCL acid** and 4000 scf/m Nitrogen .
9. RU stimulation company. Pressure test surface lines to 3000 psi. **Max surface pressure = 2000 psi.** Fracture stimulate the MN/CH with 125,000# 20/40 Arizona sand in 70Q foam and 20# linear gel at 30 BPM. (Estimated friction drop from casing = 1145 psi @ 30 BPM.) See attached frac schedule for details. *(5 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. 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.
11. TOOH. RU wireline unit. Run in hole with 5" CIBP. Set CIBP at 5180'. POOH.
12. TIH w/ 5" pkr on 2 jts 2-7/8" tbg. Set pkr at 60'. Test CIBP to 2000 psi from surface. TOOH.

***Lewis:***

13. RU wireline under packoff. Perforate the 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.  
  
4470', 4485', 4500', 4515', 4715', 4730', 4745', 4775', 4790',  
4805', 4850', 4865', 4877', 4885', 4895', 4905', 4955', 4965',  
5035', 5045', 5090', 5105', 5135', 5148'  
(24 total holes, 678' gross interval)
14. TIH w/ 5" pkr on 2 jts 2-7/8" tbg. Set pkr at 60'.

15. RU stimulation company. Pressure test surface lines to 3000 psi. **Max surface pressure = 2000 psi at 5 BPM. Max static pressure = 2000 psi.** Break down w/ 1000 gallons 15 % HCl and 4000 scf/m Nitrogen.
16. Begin fracture stimulation. **Max surface pressure = 1500 psi.** Fracture stimulate the first stage w/ 200,000# 20/40 Arizona sand in 70 Quality foam with 25# Linear gel at 30 BPM. (Estimated friction drop from casing = 1070 psi @ 30 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)
17. 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 minimal. Take pitot gauges when possible.
18. RD flowback equipment. TOOH.
19. TIH w/4-1/4" bit on 2-3/8" tbg and clean out to CIBP at 5180'. Pull above perfs and obtain pitot gauge for the Lewis.
20. Drill out CIBP (minimum mist rate of 12 BPH) at 5180', clean out to PBTD (6040').
21. 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 @ 5997'.
22. 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.
23. After frac log will be run after rig moves off location.

Recommended:   
Production Engineer 2-8-99

San Juan 30-6 Unit # 16  
Burlington Resources Oil & Gas  
02/08/99

Approved:  FOR JWC  
Basin Opportunities Team Leader

Approved:  2/9/99  
Drilling Superintendent

Vendors:

Wireline	Basin	327-5244
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 #16

Blanco Mesaverde Payadd

Unit H, Section 26, T30N, R06W

Rio Arriba County, NM

Elevation: 6733' GL

LAT: 36 47.16'

LONG: 107 25.58'

date spud: 03-11-56

