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

5. **Lease Number**
SF-078741

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 30-6 Unit

2. **Name of Operator**
BURLINGTON RESOURCES **OIL & GAS COMPANY**

RECEIVED
JAN - 8 1998
OIL CON. DIV.
DIST. 3

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. **Well Name & Number**
San Juan 30-6 U#11

9. **API Well No.**
30-039-07793

4. **Location of Well, Footage, Sec., T, R, M**
1450'FSL 990'FWL, **Sec.23, 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**	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X Other -	

13. **Describe Proposed or Completed Operations**

It is intended to add the Lewis to the Mesaverde formation of the subject well and restimulate the Mesaverde according to the attached procedure and wellbore diagram.

14. **I hereby certify that the foregoing is true and correct.**

Signed Peggy Bradfield (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.

E

NMOCD

San Juan 30-6 Unit #11
Burlington Resources Oil & Gas
Mesaverde Restimulation/Lewis Payadd
Unit L - Sec 23 - T30N - R06W
Lat: 36° 47.68'
Long: 107° 26.24'

- Comply with all BLM, NMOCD, & BR rules & regulations.
- **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
- Spot and fill **18** frac tanks with 2% KCl water.
- Use drill gas for all operations.
- **(2) 5-1/2" CIBP** required for 5-1/2" 14# J-55 pipe.
- (1) 5-1/2" Model 'EA' Retreivamatic Packer
- 5600' 3-1/2" 9.3# N-80 Frac string
- 4 joints 2-7/8" 6.5# N-80 tubing

The well is completed in the Blanco Mesaverde (Point Lookout, Cliffhouse, Menefee) and is currently producing 35 MCFD. Cumulative production is 876 MMCF with remaining reserves of 191 MMCF. The existing MV intervals were stimulated with slickwater and no sand, these intervals will be restimulated with sand and slickwater. The Point Lookout/Menefee/Cliffhouse will be stimulated in one stage with slickwater and 200K# sand. The Lewis will be stimulated in two stages with a 70 Quality foam, 25# linear gel frac and 100K# sand in 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 perfs open 5608' - 6056'

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 **6034'** (**191** joints) and LD. Visually inspect tubing, replacing any bad joints.

3. RU wireline unit. Run gauge ring to 5600'. TIH with 5-1/2" Mechanical set RBP to 5590'. Load hole from bottoms up with 2% KCl. TOOH.

4. Pressure test casing from surface to **1000** psi for 10 minutes. If casing fails hunt hole(s). Engineering will provide squeeze design if required.

5. With hole loaded and 1000 psi, run CBL from 5580' to 3800'. Send logs into engineering for evaluation.

6. TIH with retrieving head on 2-3/8" tbg. Latch on to RBP at 5590'. Release and TOOH.

Point Lookout/Cliffhouse/Menefee Restimulation:

7. TIH with 5-1/2" pkr on 2 jts 2-7/8" tbg and 3-1/2" 9.3# N-80 frac string. Set pkr at 5450'.

RLG3

8. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi at 5 BPM. Max static pressure = 5000 psi.** Break down PL w/1000 gallons **15% HCL acid** (w/2 gal/1000 corrosion inhibitor). Establish rate into formation. Shutdown, record breakdown pressure, rate, and ISIP.

9. Fracture stimulate the Mesaverde with 200,000# 20/40 Arizona sand in slickwater at 45 BPM. (Estimated pressure drop due to friction in the wellbore is 2511 psi at 45 BPM.) See attached frac schedule for details. ***(14 frac tanks needed)***

10. Release PKR, TOOH. RU wireline under packoff. Set 5-1/2" CIBP @ 5590'. POOH. RD wireline unit.

Lewis (First Stage):

11. 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.

    5020', 5035', 5075', 5085', 5100', 5110', 5155', 5170', 5195', 5210', 5310', 5320', 5345', 5360', 5375', 5395', 5405', 5418', 5435', 5445', 5475', 5485', 5505', 5520', 5545'

    (25 total holes, 525' gross interval)

12. TIH with 5-1/2" pkr on 2 joints 2-7/8" N-80 tbg and 3-1/2" 9.3# N-80 frac string set at 5575'. Pressure test CIBP to 3000 psi. Release and reset pkr to 4870'.

13. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi at 5 BPM. Max static pressure = 5000 psi.** Break down Lewis w/ 1000 gallons 15% **HCL** and 50 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to 5560' to knock off perf balls. Reset pkr at 4870'.

14. RU flowback equipment so that flowback can commence within 30 min after shutdown.

15. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the Lewis w/ 100,000# 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 4511 psi at 40 BPM.) See attached frac schedule for details. (2 *frac tanks needed)*

16. 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.

17. RD flowback equipment. Release PKR, TOOH. RU wireline under packoff. Set 5-1/2" CIBP @ 5000'. POOH. RD wireline unit.

Lewis (Second Stage):

18. 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.

    4525', 4535', 4545', 4555', 4570', 4580', 4715', 4720', 4780', 4790', 4805', 4820', 4840', 4850', 4865', 4915', 4925', 4935', 4945', 4955', 4970'

    (21 total holes, 445' gross interval)

19. TIH with 5-1/2" pkr on 2 joints 2-7/8" N-80 tbg and 3-1/2" 9.3# N-80 frac string set at 4990'. Pressure test CIBP to 3000 psi. Release and reset pkr to 4350'.

20. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi at 5 BPM. Max static pressure = 5000 psi.** Break down Lewis w/ 1000 gallons 15% **HCL** and 50 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to 4980' to knock off perf balls. Reset pkr at 4350'.

21. RU flowback equipment so that flowback can commence within 30 min after shutdown.

22. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the Lewis w/ 100,000# 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 3994 psi at 40 BPM.) See attached frac schedule for details. (2 *frac tanks needed)*

23. 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.

24. RD flowback equipment. TOOH.

25. TIH w/4-3/4" bit on 2-3/8" tbg and clean out to CIBP at 5000'. Pull above perfs and obtain pitot gauge for the upper Lewis. Drill out CIBP (minimum mist rate of 12 BPH).

26. Clean out to CIBP at 5590'. Pull above perfs and obtain pitot a gauge for the entire Lewis interval.

27. Drill out CIBP (minimum mist rate of 12 BPH) at 5590', clean out to PBTD (6105').

28. When wellbore is sufficiently clean, TOOH.

29. 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 @ 6034'.

30. 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.

San Juan 30-6 Unit # 11
Burlington Resources Oil & Gas
12/18/98

Recommended: _____ 12-18-98
Production Engineer

Approved: _____ 12/18/98
Basin Opportunities Team Leader

Approved: _____
Drilling Superintendent

Vendors:

Wireline	Basin	326-6669
Stimulation	Dowell	325-5096

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

RLG3

San Juan 30-6 Unit #11

Blanco Mesaverde Payadd

Unit L, Section 23, T30N, R06W

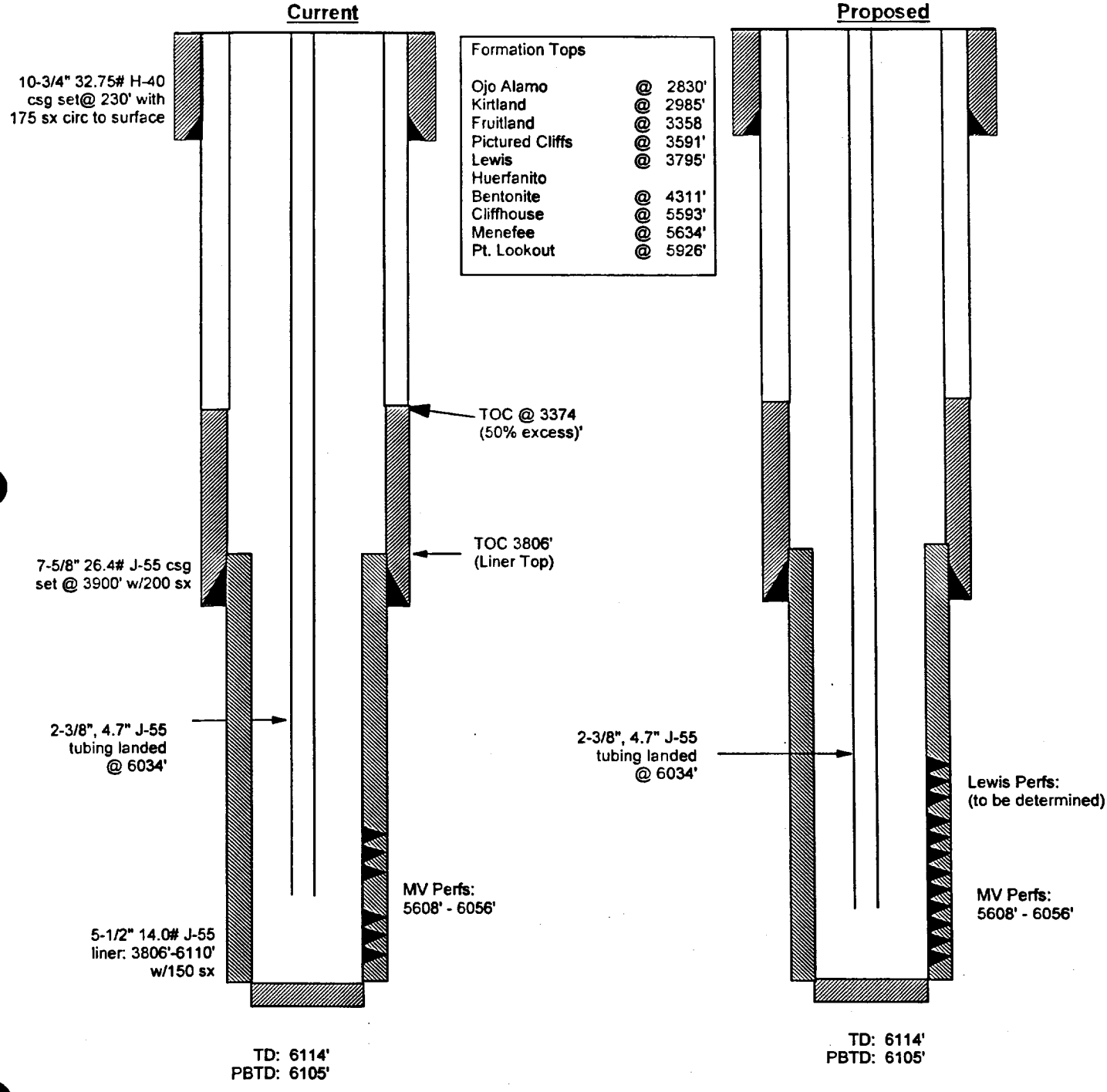
Rio Arriba County, NM

Elevation: 6793' GL

LAT: 36 47.68'

LONG: 107 26.24'

date spud: 01-11-57



Burlington Resources