

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**

3. Address & Phone No. of Operator

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

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

1700' FSL, 900' FWL, Sec. 29, T30N, R7W

5. Lease Number  
NM 012709

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name  
San Juan 30-6 Unit

8. Well Name & Number  
San Juan 30-6 Unit 15

9. API Well No.  
30-039-0775700

10. Field and Pool  
Blanco MV

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 add Lewis pay per attached procedure and well bore diagram to the subject well.

RECEIVED  
JAN 20 1993  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] Title Regulatory Admin. Date 12/23/97

(This space for Federal or State Office use)

APPROVED BY /s/ Dianne W. Spencer Title \_\_\_\_\_ Date JAN 16 1998

CONDITION OF APPROVAL, if any:

NMOC

**San Juan 30-6 Unit #15**  
Burlington Resources Oil & Gas  
Lewis Payadd  
UnitL-Sec29-T30N-R07W  
Lat: 36° 46.8567'  
Long: 107° 35.98752'

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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 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' Retrieivamatic Packer
  - 4800' 3-1/2" 9.3# N-80 Frac string
  - 4 joints 2-7/8" 6.5# N-80 tubing
  - 5450' 2-3/8" 4.7# J-55 tubing
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*The well is completed in the Blanco Mesaverde (Point Lookout, Menefee, and Cliffhouse) and is currently producing 170 MCFD. Cumulative production is 3713 MMCF with remaining reserves of 1500 MMCF. Cement will be squeezed across the Lewis interval where pay will be added. The Lewis will be stimulated in two stages with a 70 Quality foam and 25# linear gel frac. Foam is to be used to limit fluid damage to the formation and aide in flowback. The flowback choke schedule is to be used to ensure that proppant remains in the fractures.*

**NOTE: Point Lookout perfs open 5360' - 5458'**  
**Menefee perfs open 5066' - 5282'**  
**Cliffhouse perfs open 4938' - 5040'**

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 5457' (176 joints) and LD. Visually inspect tubing, note any scale. Replace any bad tubing.
3. RU wireline unit. Run gauge ring to 4940'. Wireline set 5-1/2" CIBP at 4924' to isolate the open Mesaverde perfs. POOH. TIH with 5-1/2" pkr, set at 4900', pressure test to 3000 psi.
4. Close pipe rams and pressure test 5-1/2" 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 4900' to 3100'. Send logs into engineering for evaluation. Top of cement was recorded by temperature survey at 4370'. Squeeze will be required to cover the Lewis zone.

**First Stage:**

6. RU wireline under packoff. Perforate first stage 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.  
  
**4495', 4505', 4520', 4535', 4550', 4565', 4585', 4595', 4610', 4620', 4650', 4660', 4680', 4690', 4710', 4715', 4735', 4750', 4765', 4780', 4795', 4805', 4815', 4835', 4845', 4855', 4875', 4885' (28 total holes, 390' gross interval)**
7. TIH with 5-1/2" pkr on 3-1/2" 9.3# N-80 frac string set at 4345'. (Run 4 joints 2-7/8" N-80 tbg above pkr).
8. RU stimulation company. Pressure test surface lines to 4250 psi. **Max surface pressure = 3250 psi at 5 BPM. Max static pressure = 3000 psi.** Break down first stage w/ 1000 gallons 15% HCl and 60 RCN 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to knock off perf balls. Reset pkr at 4395'.
9. RU flowback equipment so that flowback can commence within 30 min after shutdown.
10. RU stimulation company. Pressure test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the first stage w/ 150,000# 20/40 Arizona sand in 65,785 gal 70 Quality foam with 25# Linear gel at 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). *(2 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 stimulation. Take pitot gauges when possible.
12. RD flowback equipment. TOOH.
13. RU wireline unit. Wireline set 5-1/2" CIBP at 4475' to isolate the first stage from the second. POOH. RD wireline unit. Pressure test CIBP to 1000 psi from surface.

***Second Stage:***

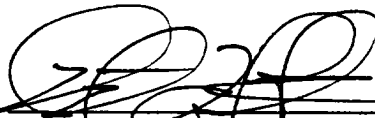
14. Under packoff, perforate second stage at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.29" hole, 16.64" penetration), 1 SPF @ 180 degree phasing.  
  
**3905', 3920', 3935', 3975', 3990', 4005', 4075', 4085', 4105', 4120', 4135', 4165', 4180', 4195', 4210', 4225', 4240', 4255', 4270', 4320', 4335', 4350', 4365', 4380', 4390', 4415', 4422', 4430'**

**(28 total holes, 525' gross interval)**

15. TIH with 5-1/2" pkr on 3-1/2" 9.3# N-80 frac string set at 4455'. (Run 4 joints 2-7/8" N-80 tbg above pkr). Pressure test CIBP to 3000 psi. Release and reset pkr to 3760'.
16. RU stimulation company. Pressure test surface lines to 4250 psi. **Max surface pressure = 3250 psi at 5 BPM. Max static pressure = 3000 psi.** Break down second stage w/ 1000 gallons 15% HCl and 50 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to 4450' to knock off perf balls. Reset pkr at 3800'.
17. RU flowback equipment so that flowback can commence within 30 min after shutdown.
18. RU stimulation company. Pressure test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the second stage w/ 150,000# 20/40 Arizona sand in 66,119 gal 70 Quality foam with 25# Linear gel at 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). (2 frac tanks needed)
19. 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.
20. RD flowback equipment. TOOH.
21. TIH w/ 4-3/4" bit on 2-3/8" tubing and clean out to CIBP at 4475'. Pull above perfs and obtain a pitot gauge on the upper Lewis interval. Drill up CIBP (minimum mist rate of 12 BPH), clean out to 4924'. Clean up to minimal water and trace to no sand. Obtain pitot gauge on the entire Lewis interval.
22. Drill up CIBP (minimum mist rate of 12 BPH) at 4924', clean out to PBDT (5478'). Clean up to minimal water and trace to no sand. Obtain combined pitot gauge. TOOH.
23. When wellbore is sufficiently clean, TOOH and run after frac gamma-ray log (4930'-3800') and perf efficiency log (5400'-3900')
24. 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 @ 5438'.

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Burlington Resources Oil & Gas  
12/03/97

25. 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.

Recommended:   
Production Engineer 12-3-97

Concur:  12/6/97  
Basin Opportunities Team Leader

Approved:  12/10/97  
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**

**Pertinent Data Sheet - San Juan 30-6 Unit # 15**  
L 29 T30N R07W

**Location:** 1700' FSL & 900' FWL, Unit L, Section 29, T30N, R07W, Rio Arriba County, New Mexico

<b><u>Field:</u></b> Blanco Mesaverde	<b><u>Elevation:</u></b> 6289' GL 6300' KB	<b><u>TD:</u></b> 5490' <b><u>PBTD:</u></b> 5478'
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**Spud Date:** 10/12/55

**DP #:** 69741  
**GWl:** 38.05% **NRI:** 31.04%  
**Prop#:** 0023422

**Casing Record:**

<b><u>Hole Size</u></b>	<b><u>Csg Size</u></b>	<b><u>Wt. &amp; Grade</u></b>	<b><u>Depth Set</u></b>	<b><u>Cement</u></b>	<b><u>Cement (Top)</u></b>
15"	10-3/4"	32.75# H-40	201'	160 sx	Circ Cmt
9"	7-5/8"	26.4# J-55	3281'	140 sx	3050'
6-3/4"	5-1/2"	14.0# J-55	5490'	160 sx	4370' (TS)

**Tubing Record:**

2-3/8"	4.7# J-55	5457'	176 Jts
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**Formation Tops:**

Ojo Alamo:	2093'	Huerfanito Bentonite	3857'
Kirtland Shale:	2236'	Cliff House	4935'
Fruitland:	2870'	Menefee	5025'
Pictured Cliffs:	3136'	Point Lookout	5351'
Lewis	3238'		

**Logging Record:** Gamma Ray Log, Nuetron Log, Temperature Survey

**Stimulation:**

Point Lookout: Perf 5458'-5360', Frac with 40K gal water and 50K# 40/60 sand  
Menefee: Perf 5282'-5066', Frac with 40K gal water and 50K# 40/60 sand  
Cliff House: Perf 5040'-4938', Frac with 40K gal water and 50K# 40/60 sand

**Workover History:** Flow controllers (Fisher), 3 stage seperator installed Feb 1997

**Production History:** Mesaverde in this well has an EUR of 5.213 BCF, CUM 3.713 BCF, REM 1.500 BCF and is producing at 170 MCFD.

**Pipeline:** El Paso Natural Gas - Gas  
Giant - Oil/ Condensate

# San Juan 30-6 Unit #15

Blanco Mesaverde Payadd

Unit L, Section 29, T30N, R07W

Rio Arriba County, NM

Elevation: \*6603' GL

LAT: 36 39' 17"

LONG: 107 23' 46"

date spud: 07-05-85

