

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
950' FSL 1740' FWL, Sec. 34, T-29-N, R-7-W, NMPM

5. Lease Number
SF-078425

6. If Indian, All. or Tribe Name

7. Unit Agreement Name
San Juan 29-7 Unit

8. Well Name & Number
San Juan 29-7 U#61

9. API Well No.
30-039-07478

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 Lewis pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

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

Signed *[Signature]* (JLD) Title Regulatory Administrator Date 12/14/98
TLW

(This space for Federal or State Office use)
APPROVED BY *[Signature]* Title _____ Date DEC 21 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.

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NMOCD

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San Juan 29-7 Unit #61
Lewis Pay Add Procedure
Unit N, Section 34, T29N, R07W
Lat: 36°- 40.66134'/Long: 107° – 33.64194'

This well is currently completed in the Cliffhouse, Menefee, and Point Lookout intervals. It is intended to add the Lewis interval to this existing Mesaverde producer. The results of this payadd will be compared with a proposed Clearfrac and CO₂ frac in the same vicinity. The Lewis will be completed in a single stage with 200,000 lbs 20/40 sand in a 80-75Q Clearfrac gel.

1. Inspect location and test rig anchors. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location 3 jts 2-7/8" N-80 tubing, 2-7/8" X 3-1/2" N-80 crossover, 4800' 3-1/2" N-80 frac string and 3-400 bbl frac tanks.
2. MIRU. Fill 400 bbl tanks with 2% KCL water. Run fluid tests on water. Filter water based upon stimulation company water analysis. Record and report SI pressures on tubing, casing and bradenhead. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.
3. TOOH with 2-3/8" Mesaverde production string set at 5681'. Visually inspect tubing, note and report any corrosion and/or scale in/on tubing. Replace bad joints as needed.
4. PU and RIH with a 4-3/4" bit, 5-1/2" (15.5 lb/ft) casing scraper on the 2-3/8" tubing. Clean out to PBTD (~5742') with air/mist. TOOH.
5. TIH with 5-1/2" CIBP, packer and 2-3/8" tubing. Set CIBP at 4950'. Release from CIBP. Fill casing with ~170 bbls water. Set packer just above CIBP. Pressure test CIBP to 3600 psi. Bleed off pressure and release packer. PUH to 4750'. Spot 17 bbls 15% HCL across proposed Lewis perforation interval (4100'-4720'). TOOH.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	ClaSta XP	Clay control

6. NU wireline company. Run GR-CBL-CCL from PBTD to 200' above TOC behind 5-1/2" casing. Run GR-CNL from PBTD to 3950'. Evaluate CBL. Good cement bond must exist from PBTD to 4000' to continue with the procedure.

LEWIS:

7. Perforations will be picked off the GR-CBL-CCL and GR-CNL logs. Contact J. L. Dobson at 599-4026 (work), 564-3244 (home) or 324-2461 (pager) for Lewis perforation depths.
8. NU wireline. Perforate Lewis with 30 holes using select fire HSC guns loaded with Owens HSC-3125 302T 10 gram charges set at 1 SPF (Av. perf diameter - 0.30", Av. pen. - 16.64" in concrete). ND wireline company.

9. TIH with 5-1/2" packer, 3 jts 2-7/8" frac string, 2-7/8" X 3-1/2" N-80 crossover, and remaining 3-1/2" frac string. Set packer at 4000'.
10. Pressure test: surface lines to 6500 psi. Hold tailgate safety meeting. Establish an injection rate into perfs with 2% KCL water observing a maximum pressure of 5500 psi. Once pressure has broken back and stabilized, shut pumps down and obtain an ISIP. Continue to breakdown Lewis perforations with 25 bbls 15% HCL. Drop 60 RCN 7/8" 1.3 specific gravity balls evenly spaced. Attempt to ball off to 3600 psi surface pressure. Use the same additives as in Step 6. ND stimulation company.
11. Bleed off pressure. Release packer. Lower packer to 4750' to knock balls off of perforations. PUH and re-set packer at 4000'.
12. **Maximum surface treating pressure is 5500 psi.** Apply 500 psi to annulus. Monitor annulus pressure throughout job. Fracture stimulate the Lewis with 200,000 lbs 20/40 Arizona sand in 3310 bbls 80-75Q Clearfrac gel at **40 BPM**. Average surface treating pressure will be 5,136 psi. Perforation and casing friction is estimated to be 3,754 psi. Treat per the following schedule:

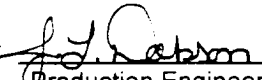
Stage	Downhole Foam Volume (gals)	Clean Gel Volume (gals)	N2 Volume (MSCF)	Sand Volume (lbs)
Pad	45,000	9,000	543.7	---
0.5 ppg	3,000	600	36.2	1,500
1.0 ppg	3,500	700	31.7	3,500
1.5 ppg	20,000	4,000	180.9	30,000
2.0 ppg	25,000	5,000	226.0	50,000
2.5 ppg	25,000	5,000	226.0	62,500
3.0 ppg	17,500	3,500	158.1	52,500
Flush (100' above top perf)	1,482	444	15.7	0
Totals	140,482	28,244	1,418	200,000


Cut rate throughout flush as pressure allows. Record ISIP, 5 minute, 10 minute and 15 minute SIP. RD stimulation company.

13. Flow well back after 30 minutes to 1 hour through a choke manifold. 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.
14. When pressures allow, release packer and TOOH. LD 3-1/2" frac string, 3-1/2" X 2-7/8" crossover, 2-7/8" frac string and packer.
15. TIH with 4-3/4" bit on 2-3/8" tubing and clean out to CIBP at 4950'. Alternate between natural flow and blow stages for clean up. **When water rates are 5 BPH and flare will burn consistently, obtain a Lewis pitot gauge.** Drill out CIBP at 4950'. Use a 10-12 BPH mist rate while drilling the plug.
16. Clean out to PBSD at 5742'. **Obtain final Lewis/Cliffhouse/Menefee/Point Lookout pitot gauge.** TOOH.

San Juan 29-7 Unit #61
1999 Discretionary Lewis Pay Add

18. Clean out to PBTD at 5742'. **Obtain final Lewis/Cliffhouse/Menefee/Point Lookout pitot gauge.** TOOH.
19. TIH with an expendable check, one 2-3/8" joint, standard SN and remaining 2-3/8" tubing. Broach tubing while running in hole. CO with air/mist to PBTD again, if necessary. Land tubing at 5681'. ND BOP. NU WH. Pump off expendable check. RDMO. Contact Production Operations for well tie-in.

Recommended: 
Production Engineer

Approved: 
Drilling Superintendent

Approved: 
Team Leader

Contact:

Jennifer Dobson 599-4026 (work) 564-3244 (home) 324-2461 (pager)

San Juan 29-7 Unit #61

Unit N, Section 34, T29N, R7W
Rio Arriba County, NM
Lat: 36° - 40.66134'/Long: 107° - 33.64194'

Current Schematic

Proposed Schematic

