

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

1950' FNL, 1490' FEL, Sec. 4, T-29-N, R-5-W, NMPM

5. Lease Number
NM-0558139

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Creek #1

9. API Well No.
30-039-20339

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 ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Pay add

13. Describe Proposed or Completed Operations

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

RECEIVED
FEB 17 1998
OIL CON. DIV.
DIST. 3

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

Signed *James B. Spence* (RGOpps) Title Regulatory Administrator Date 2/9/98

(This space for Federal or State Office use)

APPROVED BY */s/ Duane W. Spencer*

Title _____

Date FEB 12 1998

CONDITION OF APPROVAL, if any:

Creek #1
Burlington Resources Oil & Gas
Blanco Mesaverde Payadd
Unit G-Sec04-T29N-R05W
Lat: 36° 45.39'
Long: 107° 21.49'

- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - 5200' 3-1/2" 9.3# N-80 Frac String
 - 4 jts 2-7/8" 6.5# N-80 tubing
 - Spot and fill 4 frac tanks with 2% KCl water.
 - (1) 5-1/2" Fullbore Packer and (1) 5-1/2" CIBP required for 5-1/2" 15.5# J-55 Inr
 - (1) 10,000# Frac Valve
-

The well is currently completed in the Mesaverde Point Lookout, Cliffhouse, and Menefee. Cum production is 2435 MMCF. This well has been shut in since Jan 1991 due to water production and has since become a BLM demand well. Lewis pay will be added and stimulated with ~~70~~ Quality Foam. The Lewis will be stimulated and flowed back in accordance to the choke schedule. Foam is to be used to aide in keeping fluids off the formation and assisting in flowback. The choke schedule is designed to ensure proppant remains in the fracture.

NOTE: Point Lookout perfs open 5508' - 5590'
Cliffhouse/Menefee perfs open 5192' - 5258'

1. MIRU. Record and report SI pressures on tubing, casing, & bradenhead. Blow down casing & tubing. Kill well w/ 2% KCl. ND WH, NU BOP.
2. TOOH with 5534' of 2-3/8" EUE tubing. Visually inspect and replace any bad joints.
3. RU wireline unit. Run gauge ring to 5160'. POOH.
4. TIH with 5-1/2" cement retainer on 2-3/8" tbg. Set at 5150'. Set retainer in test position and pressure test tubing to 3500 psi. RU cementers. Pump 150 sxs Class 'B' neat (2X csg volume) to plug back the PL/CH/MN perfs. Sting out of the cement retainer, TOOH to 4900' and reverse out 2 tbg volumes. TOOH.
5. RU wireline unit. Perforate 2 squeeze holes at 4085'. POOH.
6. TIH with 5-1/2" pkr on 2-3/8" tbg. Set pkr at 3935'. RU cementers. Establish injection rate (2-3 BPM) into squeeze holes. Pump cement (**Class B, 0.3% Halide 344, 0.5% Versaset, 3% KCl**) into formation until pressure limit of 1500 psi. Release pkr and TOOH to 3800'. Reverse out 2 tbg volumes. Reset pkr and pressure up on squeeze. WOC 4 hrs, check for flow. TOOH. WOC, total of 12 hrs.
7. TIH with 4-3/4" bit on 2-3/8" tbg. Drill up cement. Clean out to 5100'. TOOH.

8. Pressure test csg to 1000 psi from surface. RU wireline unit. With hole loaded and 1000 psi, run CBL from 5150' to 2800'. POOH. Send logs to B. Goodwin (x9713) for evaluation. Cement required from 4085' to 4045' across the Huerfanito Bentonite to continue.

Lewis Completion (First Stage):

9. Under packoff, perforate Lewis @ the following depths w/ 3-1/8" HSC gun w/ Owen 302T 10g charges (0.29" hole, 16.62" penetration), 1 SPF @ 120 degree phasing. RD wireline unit.

**4625', 4635', 4645', 4655', 4665', 4675', 4685', 4695', 4730', 4745', 4760', 4775',
4790', 4805', 4820', 4915', 4930', 4945', 4960', 4975', 4990', 5005', 5020', 5035',
5050' (25 total holes, 425' gross interval)**
10. PU 5-1/2" FB pkr on 4 jts 2-7/8" tbg and 3-1/2" 9.3# N-80 frac string. Set pkr at 5070, test Cmt Retainer to 3500 psi. Reset pkr at 4475'. Hold 500 psi on annulus during balloff and breakdown.
11. RU stimulation company. Test surface lines to 4750 psi. **Max surface pressure = 3750 psi at 5 BPM. Max static pressure = 3500 psi.** Break down Lewis w/1000 gallons 15% HCL acid (w/ 2 gal/1000 corrosion inhibitor). Establish rate and record breakdown pressure, rate, and ISIP.
12. Begin balloff. Drop 50 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. Release pressure, RD stimulation company. Release pkr & TIH knocking balls below bottom perf @ 5050'. TOOH and reset pkr @ 4475'.
13. RU stimulation company. Test surface lines to 8000 psi. **Max surface pressure = 7000 psi at 45 BPM. Max static pressure = 3500 psi. Max friction pressure = 4600 psi at 45 BPM.** Hold 500 psi on annulus. Fracture stimulate the Lewis w/100,000# 20/40 sand in 70Q Foam at 45 BPM. See frac schedule for details. *(2 frac tanks needed)*
14. Shut well in after frac and record ISIP. RD stimulation company. Begin flowback on choke manifold within 30 min of 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, change chokes and clean obstruction. Continue increasing choke size and cleaning well up until fluid returns are minimal. Take pitot gauges when possible. TOOH.
15. RU wireline company. Set 5-1/2" CIBP at 4610'. POOH.

Lewis Completion (Second Stage):

16. Under packoff Perforate Lewis @ the following depths w/ 3-1/8" HSC gun w/ Owen 302T 10g charges (0.29" hole, 16.62" penetration), 1 SPF @ 120 degree phasing. RD wireline unit.
4085', 4095', 4105', 4115', 4125', 4210', 4225', 4240', 4255', 4270', 4285', 4340', 4355', 4370', 4385', 4400', 4415', 4430', 4445', 4475', 4490', 4505', 4520', 4535', 4550', 4565', 4580' (27 total holes, 495' gross interval)
17. PU 5-1/2" FB pkr on 4 jts 2-7/8" tbg and 3-1/2" 9.3# N-80 frac string. Set pkr @ 4595'. Pressure test CIBP to 3500 psi. Release and reset pkr to 3935'. Hold 500 psi on annulus during balloff and breakdown.
18. RU stimulation company. Test surface lines to 4700 psi. **Max surface pressure = 3700 psi at 5 BPM. Max static pressure = 3500 psi.** Break down Lewis w/1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate and record breakdown pressure, rate, and ISIP.
19. Begin balloff. Drop 54 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. Release pkr, TIH and knock balls off to below bottom perf @ 4580'. Reset pkr @ 3935'
20. RU stimulation company. Test surface lines to 8000 psi. **Max surface pressure = 7000 psi at 45 BPM. Max static pressure = 3500 psi. Max friction pressure = 4300 psi at 45 BPM.** Hold 500 psi on annulus. Fracture stimulate the Lewis w/100,000# 20/40 sand in 70Q N2 foam at 45 BPM. See frac schedule for details. *(2 frac tanks needed)*
21. Shut well in after frac and record ISIP. RD stimulation company. Begin flowback on choke manifold within 30 min of 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, change chokes and clean obstruction. Continue increasing choke size and cleaning well up until fluid returns are minimal. Take pitot gauges when possible. TOOH.
22. RD flowback equipment.
23. TIH w/4-3/4" bit on 2-3/8" tbg and clean out to CIBP at 4610'. Obtain pitot gauge on upper Lewis. Drill CIBP (minimum mist rate 12 BPH). Clean up to PBTD (5150'). TOOH.
24. Run perf efficiency log (5050'-4080')
25. 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 @ 5060'.
26. 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


Creek # 1
Burlington Resources Oil & Gas
01/31/98

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.

~~27. Run after frac tracer log (5050' 4080') NO TAGGING~~

Recommend:  2/1/98
Production Engineer

Approved:  2/1/98
Basin Opportunities Team Leader

Approved:  2/1/98
Drilling Superintendent

RLG3

Vendors:

Stimulation:	Halliburton	324-3500
RA Tag:	Protechnics	326-7133 NO TAGGING

Production Engineers:

Bobby Goodwin
326-9713-work
564-7096-pager
599-0992-home

Steve Campbell
326-9546-work
564-1902-pager

RLG3

Creek # 1

Blanco Mesaverde

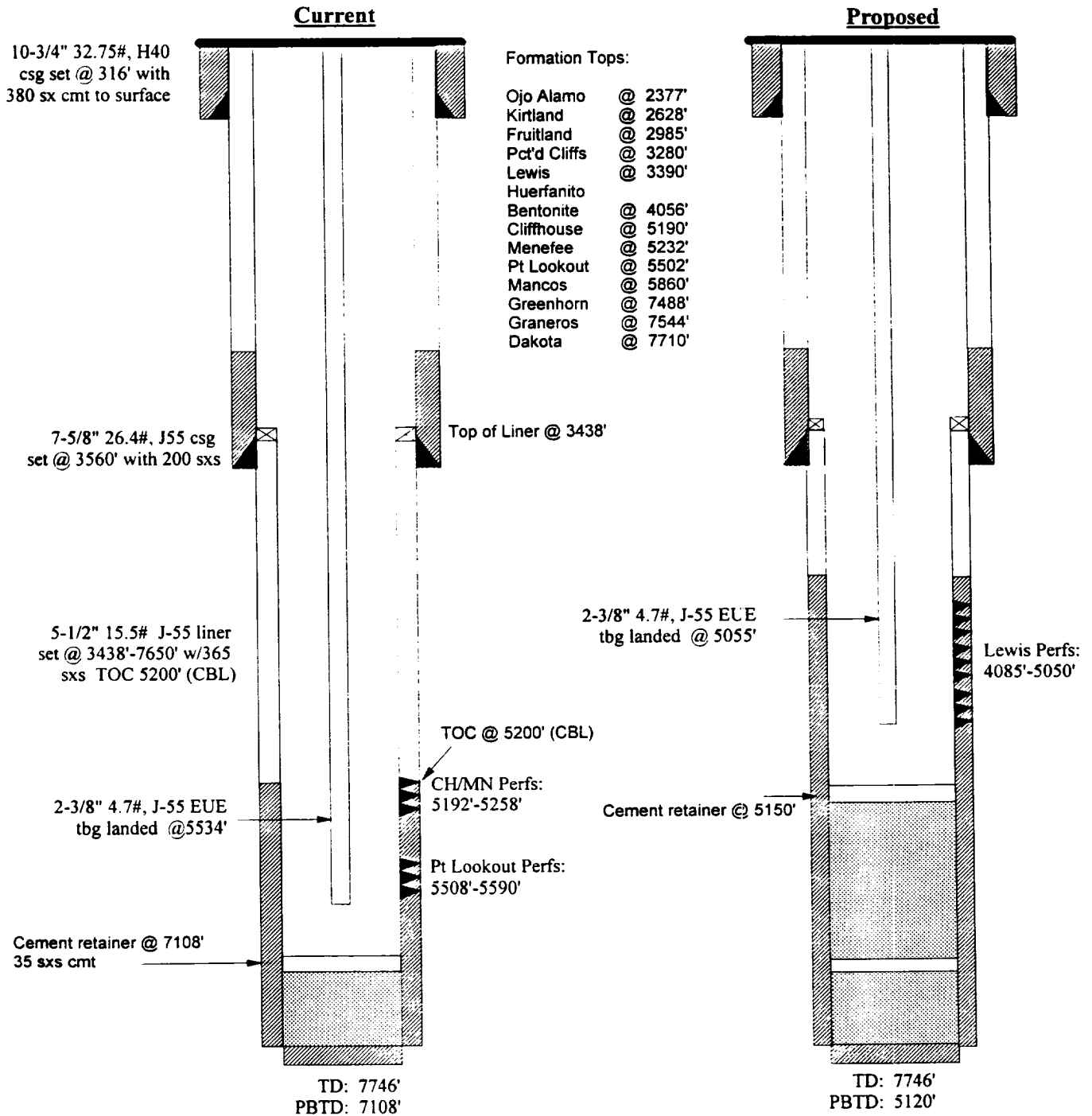
Unit G, Section 4, T29N, R5W

Rio Arriba County, NM

Elevation: 6343' GL, 6353' KB

LAT: 36 45.39' / LONG: 107° 21.49'

date spud: 09/18/70



PERTINENT DATA SHEET
1/8/98

WELLNAME: Creek #1					DP NUMBER: 10390 PROP. NUMBER: 10469																																																		
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LOCATION: 1950' FNL, 1490' FEL Unit G, Sec. 04, T29N. R05W Rio Arriba County, NM					INITIAL POTENTIAL: MV 2.019 Mcfd INITIAL SITP: 631 Psi																																																		
OWNERSHIP: GWI: 25.0000% NRI: 21.8750%					DRILLING: SPUD DATE: 9/18/70 TOTAL DEPTH: 7746' PBTD: 7108'																																																		
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