

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

2200' FSL 2330' FWL, Sec. 10, T-32-N, R-7-W, NMPM

5. Lease Number

SF-078459-B

If Indian, All. or
Tribe Name

Unit Agreement Name

Allison Unit

RECEIVED
AUG 3 1998

OIL CON. DIV.
DIST. 3

8. Well Name & Number

Allison Unit #55

9. API Well No.

30-045-23349

10. Field and Pool

Mesaverde

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - restimulation

13. Describe Proposed or Completed Operations

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

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

Signed [Signature] (BG) Title Regulatory Administrator Date 7/28/98

TLW

(This space for Federal or State Office use)

APPROVED BY /S/ Duane W. Spencer Title _____

Date JUL 31 1998

CONDITION OF APPROVAL, if any:

[Signature]

NMOC

Allison Unit #55
Burlington Resources Oil & Gas
Blanco Mesaverde Payadd
Unit K - Sec 10 - T32N - R07W
Lat: 36° 47.63'
Long: 107° 33.15'

- Comply with all BLM, NMOCD, & BR rules & regulations.
- **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
- 6000' 3-1/2" 9.3# N-80 Frac String
- Spot and fill 5 frac tanks with 2% KCl water.
- (1) 4-1/2" FB pkr and (2) 4-1/2" CIBP

This well is part of the 1999 Allison Mesaverde optimization program. The well is currently completed in the Mesaverde (68 MCFD). Cumulative production is 628 MMCF and has remaining reserves of 326 MMCF. Lewis pay will be added and stimulated with 70 Quality Foam. The Lewis will be stimulated and be 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: Cliffhouse/Menefee perfs open 5738' - 5968'
Point Lookout perfs open 6028' - 6498'

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 w/2-3/8" 4.7# J-55 tbg from 6433' (214 jts). Rabbit and strap tbg. Visually inspect tubing, replace any bad jts.
3. RU wireline unit. Run 4-1/2" gauge ring on wireline to 5730'. If gauge ring is unable to get to 5730', POH. TIH with 3-7/8" bit and 4-1/2" csg scraper to 5730'. TOOH.
4. Run 4-1/2" CIBP on wireline and set @ 5720' to isolate open Mesaverde perfs. POOH.
5. Pressure test csg to 1000 psi from surface. Hold for 10 minutes. If PT does not hold, locate hole(s). Engineering will provide squeeze design if required. With hole loaded and 1000 psi, run CCL/CBL from 5700' to Liner Top. Send logs to office for evaluation (B. Goodwin at 326-9713).

Lewis Completion (First Stage):

6. 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.

5145', 5155', 5165', 5205', 5215', 5235', 5255', 5290', 5310', 5325', 5425', 5445',
5460', 5475', 5535', 5550', 5565', 5575', 5585', 5600', 5615', 5645', 5660', 5685'
(24 total holes, 540' gross interval)

7. PU 4-1/2" FB pkr on 2-3/8" work string. Set pkr @ 5700'. Pressure test CIBP to 3500 psi. Release and reset pkr to 5000'. Hold 500 psi on annulus during balloff and breakdown.

8. RU stimulation company. Test surface lines to 4800 psi. **Max surface pressure = 3800 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.
9. Begin balloff. Drop a total of 40 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. TOOH. TIH with 4-1/2" packer on 4 jts of 2-7/8" tbg and 3-1/2" frac string. Set pkr @ 4040'.
10. RU stimulation company. Test surface lines to 8500 psi. **Max surface pressure = 7500 psi at 45 BPM. Max static pressure = 3500 psi.** Fracture stimulate the Lewis with 100,000# 20/40 sand in 70Q N2 foam at 45 BPM. Flush with 2% KCl water. Tagging with 3 RA elements. See frac schedule for details. *(2 frac tanks needed)*
11. Flowback as necessary to release pkr and TOOH.
12. RU Wireline unit. Wireline set 4-1/2" CIBP at 5130' to isolate the first Lewis stage from the second. POOH. RD wireline unit.

Lewis Completion (Second Stage):

13. 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.

4690', 4710', 4725', 4740', 4770', 4785', 4795', 4825', 4835', 4850', 4865', 4910',
4920', 4935', 5030', 5045', 5060', 5075', 5085', 5095'
(20 total holes, 405' gross interval)
14. PU 4-1/2" FB packer on 2-3/8" tubing string. Set pkr @ 5110'. Pressure test CIBP to 3500 psi. Reset packer to 4540' for breakdown and balloff. Hold 500 psi on annulus during balloff and breakdown.
15. 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.
16. Begin balloff. Drop a total of 40 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 @ 5095'. TOOH. TIH with 4-1/2" packer on 4 jts of 2-7/8" tbg and 3-1/2" frac string. Set pkr @ 4040'.
17. RU flowback equipment to commence flowback within 30 min. after shutdown
18. RU stimulation company. Test surface lines to 8500 psi. **Max surface pressure = 7500 psi at 45 BPM. Max static pressure = 3500 psi.** Fracture stimulate the Lewis w/ 100,000# 20/40 sand in 70Q N2 foam at 45 BPM. Tagging with 3 RA elements. See frac schedule for details. *(2 frac tanks needed)*

Allison Unit # ~~28~~ 55
Burlington Resources Oil & Gas
07/27/98

19. Shut well in after frac and record ISIP. RD stimulation company. Commence flowback within 30 min of shutdown. Open well to pit, starting with a 8/64" 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 gauges when possible.
20. RD flowback equipment. TOOH.
21. TIH w/3-1/8" bit on 2-3/8" tubing and clean out to CIBP at 5130'. Obtain pitot gauge on upper Lewis. Drill up CIBP using a minimum mist rate of 12 BPH.
22. Clean out to CIBP at 5720'. Obtain pitot gauge on entire Lewis. Drill up CIBP using a minimum mist rate of 12 BPH.
23. Clean out to PBTD (6502'). TOOH.
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 @ 6433'.
25. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot gauge. 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.
26. After frac tracer log will be run after rig has moved off location.

Recommend:


Production Engineer 7-27-98

Approved:

Basin Opportunities Team Leader

Approved:

Drilling Superintendent

RLG3

Vendors:

Wireline:	Basin	327-5527
Stimulation:	Halliburton	324-3500
RA Tag:	Protechnics	326-7133

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

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

RLG3

PERTINENT DATA SHEET

4/6/98

WELLNAME: Allison Unit # 55					DP NUMBER: 44555A PROP. NUMBER:																																																		
WELL TYPE: Blanco Mesaverde					ELEVATION: DF 6878' GL 6867'																																																		
LOCATION: 2200' FSL, 2330' FWL Unit K, Sec. 10, T32N, R07W San Juan County, NM					INITIAL POTENTIAL: 744 MCFD INITIAL SITP: 1,152 psi																																																		
OWNERSHIP: MV/DK GWI: 98.6949% NRI: 83.4586% SJB: T					DRILLING: SPUD DATE: 9/6/79 COMPLETED: 11/13/79 TOTAL DEPTH: 6518' PBTD: 6502'																																																		
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STIMULATION: 5738'-5968' Frac w/54,250 gal. water, 44,250# sand 6028'-6213' Frac w/134,000 gal. water, 124,000# sand 6244'-6498' Frac w/76,000 gal. water, 66,000# sand																																																							
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Allison Unit # 55

Blanco Mesaverde Workover/ Lewis Payadd

Unit K, Section 10, T32N, R07W

San Juan County, NM

Elevation: 6867' GL

LAT: 36 47.63'

LONG: 107 33.15'

date spud: 09/06/79

