

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

## Sundry Notices and Reports on Wells

98 MAR -9 PM 2:35

## 1. Type of Well

GAS

## 5. Lease Number

070 FARMINGTON, NM 8483A

6. If Indian, All. or  
Tribe Name

## 2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL &amp; GAS COMPANY

7. Unit Agreement Name  
Allison Unit

## 3. Address &amp; Phone No. of Operator

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

8. Well Name & Number  
Allison Unit #139. API Well No.  
30-045-11470

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

890' FSL, 950' FWL, Sec. 12, T-32-N, R-7-W, NMPM

10. Field and Pool  
Blanco MV/Basin DK11. 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 - Pay add and Commingle

## 13. Describe Proposed or Completed Operations

It is intended to add Menefee, Cliffhouse, and Lewis pay to the subject well per the attached procedure and wellbore diagram. The well will be down hole commingled upon completion of pay add, per DHC-1743.

RECEIVED  
MAR 18 1998  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (RLG) Title Regulatory Administrator Date 3/9/98  
VKH

(This space for Federal or State Office use)

APPROVED BY AS/Dan W. Spencer Title Team head Date MAR 13 1998  
CONDITION OF APPROVAL, if any:

NMOC

**Allison Unit #13**  
Burlington Resources Oil & Gas  
Blanco Mesaverde/Basin Dakota Workover  
Unit M-Sec12-T32N-R07W  
Lat: 36° 59.39'  
Long: 107° 31.39'

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- Comply with all BLM, NMOCD, & BR rules & regulations.
  - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
  - 5800' 3-1/2" 9.3# N-80 Frac String
  - 8050' 2-3/8" 4.7# J-55 tubing
  - Spot and fill 8 frac tanks with 2% KCl water.
  - (1) 5-1/2" pkr and (3) 5-1/2" CIBP
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***This well is part of the 1998 Allison Mesaverde optimization program. The well is currently completed in the Dakota (31 MCFD) and the Mesaverde Point Lookout (59 MCFD). Cumulative production is 1230 MMCF from the Dakota and 1130 MMCF from the Mesaverde. Menefee & Cliffhouse pay will be added and stimulated with a 25# Delta frac. 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. Halliburton's Sandwedge will be used to help reduce clean-up time. This well will be commingled upon completion.***

**NOTE: Fish – 2 jts 2-3/8" tbg, 1 CIBP, Top at 8081'**

**Dakota perfs open 7984' - 8070'**

**Baker Model D pkr @ 5867'**

**Point Lookout perfs open 5748' - 5830'**

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. Attempt straight PU on tubing to release tubing from model 'G' locator seal assembly @ 5867'. TOOH w/ 2-3/8" (195 jts) and 1-1/4" (66 jts) tubing (this is one string with a cross-over sub). Send tubing string to the yard. (MV has been producing up the backside, tbg may be stuck)
3. PU 5-1/2" mill and pkr plucker on 2-3/8" tubing, TIH and mill over model 'D' pkr @ 5867', TOOH with pkr.
4. RU wireline unit. Run 5-1/2" CIBP and set @ 5740' to isolate Dakota and Point Lookout. 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 3500'. Send logs to office for evaluation.

**Menefee / Cliffhouse Completion:**

6. If already in hole, spot 350 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor) across MN/CH @ 5700'. TOOH, standing 2-3/8" back. Change rams to 3-1/2". (If separate trip is required, skip spotting acid.)
7. RU wireline under packoff. Perforate MN/CH (top-down if in acid) @ 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.

**5405', 5415', 5424', 5435', 5446', 5454', 5465', 5475', 5485', 5504', 5526', 5534',  
5550', 5557', 5563', 5574', 5585', 5595', 5620', 5630', 5640', 5650', 5660', 5675',  
5680', 5685', 5695', 5705'**

**(28 total holes, 300' gross interval)**

8. PU 5-1/2" FB pkr on 4 jts 2-7/8" N-80 EUE and 3-1/2" 9.3# N-80 frac string. Set pkr @ 5720'. Pressure test CIBP to 3200 psi. Release and reset pkr to 5255'. Hold 500 psi on annulus during balloff and breakdown.
9. RU stimulation company. Test surface lines to 4500 psi. **Max surface pressure = 3500 psi at 5 BPM. Max static pressure = 3200 psi.** Break down MN/CH w/1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate and record breakdown pressure and rate and ISIP.
10. Begin balloff. Drop a total of 54 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. Release pressure, RD stimulation company. Release pkr & TIH knocking balls below bottom perforation. Pull up and reset pkr @ 5255'.
11. RU stimulation company. Test surface lines to 7800 psi. **Max surface pressure = 6800 psi at 40 BPM. Max static pressure = 3200 psi.** Hold 500 psi on annulus. Fracture stimulate the MN/CH w/ 100,000# 20/40 Arizona sand treated with 0.12 gal/100# Sandwedge in 25# Delta Frac system at 40 BPM. Tagging with 3 RA elements. See frac schedule for details. *(4 frac tanks needed)*
12. Flowback well as necessary to release pkr, TOOH. RU wireline under packoff. Wireline set 5-1/2" CIBP @ 5360'. Monitor and report sand returns throughout flowback to measure efficiency of Sandwedge.

**Lewis Completion (First 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.

**4825', 4835', 4845', 4870', 4895', 4915', 4935', 4955', 4980', 5000', 5025', 5040',  
5060', 5075', 5085', 5105', 5120', 5135', 5150', 5165', 5180', 5195', 5210', 5220',  
5235', 5250', 5270', 5290', 5305'**

**(29 total holes, 480' gross interval)**

14. PU 5-1/2" FB pkr on 4 jts 2-7/8" N-80 EUE and 3-1/2" 9.3# N-80 frac string. Set pkr @ 5330'. Pressure test CIBP to 3200 psi. Release and reset pkr to 4675'. Hold 500 psi on annulus during balloff and breakdown.
15. RU stimulation company. Test surface lines to 4400 psi. **Max surface pressure = 3400 psi at 5 BPM. Max static pressure = 3200 psi.** Break down Lewis w/1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate and record breakdown pressure and rate and ISIP.
16. Begin balloff. Drop a total of 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. Reset pkr @ 4675'.
17. RU stimulation company. Test surface lines to 8500 psi. **Max surface pressure = 7500 psi at 45 BPM. Max static pressure = 3200 psi.** Fracture stimulate the Lewis with 200,000# 20/40 Arizona sand treated with 0.12 gal/100# Sandwedge 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)*
18. Flowback as necessary to release pkr and TOOH. Monitor and report sand returns to measure efficiency of Sandwedge.
19. RU Wireline unit. Wireline set 5-1/2" CIBP at 4810' to isolate the first Lewis stage from the second. POOH. RD wireline unit.

***Lewis Completion ( Second Stage):***

20. 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.

**4285', 4300', 4315', 4330', 4345', 4365', 4380', 4390', 4403', 4412', 4421', 4445',  
4460', 4480', 4495', 4510', 4525', 4545', 4565', 4580', 4600', 4615', 4630', 4645',  
4660', 4675', 4690', 4710', 4730', 4745'**


**(30 total holes, 460' gross interval)**

21. PU 5-1/2" FB packer on 4 jts 2-7/8" N-80 EUE tbg and 3-1/2" 9.3# N-80 frac string. Set pkr @ 4780'. Pressure test CIBP to 3000 psi. Release and reset pkr to 4135'. Hold 500 psi on annulus during balloff and breakdown.
22. RU stimulation company. Test surface lines to 4400 psi. **Max surface pressure = 3400 psi at 5 BPM. Max static pressure = 3200 psi.** Break down Lewis w/1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate and record breakdown pressure and rate and ISIP.

23. Begin balloff. Drop a total of 50 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 @ 4745'. Reset pkr @ 4135'
24. RU flowback equipment to commence flowback within 30 min. after shutdown
25. RU stimulation company. Test surface lines to 8500 psi. **Max surface pressure = 7500 psi at 45 BPM. Max static pressure = 3200 psi.** Fracture stimulate the Lewis w/ 200,000# 20/40 Arizona sand treated with 0.12 gal/100# Sandwedge in 70Q N2 foam at 45 BPM. Tagging with 3 RA elements. See frac schedule for details. *(2 frac tanks needed)*
26. 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 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 minimal. Take gauges when possible. **Monitor and report sand returns throughout flowback to measure efficiency of Sandwedge.**
27. RD flowback equipment. TOOH.
28. TIH w/4-3/4" bit on 2-3/8" tubing and clean out to CIBP at 4810'. Obtain pitot gauge on upper Lewis. Drill out CIBP (minimum mist rate of 12 BPH).
29. Clean out to CIBP at 5360'. Obtain pitot gauge for Lewis. Drill up CIBP (minimum mist rate of 12 BPH), clean out to 5740'. Clean up to minimal water and trace to no sand. Obtain pitot gauge for the CH/MN/Lewis.
30. Drill out CIBP (minimum mist rate of 12 BPH) at 5740', clean out to PBTD (8081', top of fish, 2 joints of 2-3/8" 4.7# tubing).
31. When wellbore is sufficiently clean, TOOH and run after frac tracer log (5740'-4200') and perf efficiency log (8080'-4200')
32. TIH with 5-1/2" pkr on 2-3/8" tbg, set pkr at 7950'. Obtain 3 hour production test throuh seperator with 350 psi back pressure for allocation purposes. TOOH.
33. 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 @ 8050'.
34. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain 3 hour production test throuh seperator with 350 psi back pressure for allocation purposes. 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.

Allison Unit #13  
Burlington Resources Oil & Gas  
12/30/97

Recommend:

  
Production Engineer 12-30-97

Approved:

Basin Opportunities Team Leader

Approved:

Drilling Superintendent

RLG3

Vendors:

Wireline:		
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

# Allison Unit #13

Blanco Mesaverde/Basin Dakota

Section 12, T32N, R7W

San Juan County, NM

Elevation: 6590' GL, 6602' KB

LAT: 36 59.39' / LONG: 107° 31.39'

date spud: 06/11/57

