

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

97 JUL 22 PM 12:15

1. Type of Well
GAS

C70 FARMINGTON, NM

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

1480' FNL, 1800' FEL, Sec. 29, T-32-N, R-6-W, NMPM

5. Lease Number

SF-081155

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Allison Unit

8. Well Name & Number

Allison Unit #53

9. API Well No.

30-045-23134

10. Field and Pool

Blanco 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 - 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
JUL 31 1997

OIL CON. DIV.
DIST. 3

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

Signed Peggy Drahn (JME6) Title Regulatory Administrator Date 7/18/97

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Let's agree Date JUL 29 1997

CONDITION OF APPROVAL, if any:

Allison Unit #53
Burlington Resources Oil & Gas
Blanco Mesaverde Workover
UnitG-Sec29-T32N-R06W

Lat: 36° 57.27'

Long: 107° 28.68'

RECEIVED
BLM

97 JUL 22 PM 12:16

070 FARMINGTON, NM

-
- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - 3-1/2" 9.3# N-80 Frac String (3500'+/-), 3-1/2 X 2-7/8" crossover, and 2 jts 2-7/8" 6.5# J-55 required.
 - Have 50 joints 2-3/8" 4.7# EUE J-55 tubing on location.
 - Spot and fill 3 frac tanks with 2% KCl water.
 - (1) 4-1/2" RBP and (1) 4-1/2" PKR required.
 - (1) 7" PKR may be needed to isolate casing leak(s).
 - Be prepared to flow back frac immediately.
 - 4-1/2" Model R-3 Production PKR required.
-

This well is part of the 1997 Allison Mesaverde optimization program. The well is currently completed in the Mesaverde Point Lookout and Menefee horizons (77 MCFD) with a cumulative production of 723 MMCF. Lewis pay will be added and stimulated with a foam frac. The well will then be landed with a production PKR between the Lewis and existing MV (so that the Lewis can be flowed isolated up the backside) and returned to production.

NOTE: Point Lookout / Menefee perms open 5498' - 6044'

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/ Mesaverde 2-3/8" tubing (from 6050'). Rabbit and strap tubing. Visually inspect tubing, note any scale in tubing. Lay down any bad tubing.
3. PU 3-7/8" bit and 4-1/2" casing scraper on 2-3/8" tbg, clean out w/ air/mist to PBTD @ **6091'**. TOOH.
4. PU 4-1/2" RBP and 4-1/2" PKR on 2-3/8". TIH & set RBP @ **4900'** to T&A existing Mesaverde. Load hole from bottom w/ 2% KCl water.
5. Set PKR above RBP & test to 3800 psi. Hold for 10 minutes. Release PKR & pressure test entire casing string to 1000 psi for 10 minutes. If PT does not hold, locate hole(s). Engineering will provide squeeze design if required.
6. Complete all squeeze cementing operations. WOC recommended time. Drill out cement. Pressure test to 1000 psi.

Lewis Completion:

7. If already in hole, spot 400 gallons 15% HCL acid (w/ 2 gal/1000 corrosion inhibitor) across Lewis @ 4835'. TOOH, standing 2-3/8" back. Change rams to 3-1/2". (If separate trip is required, skip spotting acid.)
8. RU wireline under packoff. Perforate Lewis (top-down if in acid) @ the following depths with 3-1/8" HSC gun w/ Owen 306 12g charges (0.46" hole, 11" penetration), 1 SPF @ 120 degree phasing.

4390' - 4405'

4485' - 4490'

4685' - 4695'

4820' - 4835'

(45 total holes, 445' gross interval)

9. PU 4-1/2" FB PKR on 2 jts 2-7/8" 6.5# J-55 tubing, 2-7/8" x 3-1/2" crossover, and 3-1/2" 9.3# N-80 frac string. Set PKR @ 3560' +/- (liner top @ 3510'). Hold 500 psi on annulus during frac.

10. RU immediate flowback equipment (frac nipple, valve, tee, etc.).

11. RU stimulation company. Pressure test surface lines to 9100 psi. **Max pressure = 8100 psi.** Keep pressure under 6000 psi to avoid higher HHP charges. Prepare to break down Lewis w/ 1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate into formation. Record breakdown pressure and rate and ISIP.

12. Begin frac job. **Maximum STP = 8100 psi.** Expected STP is about 4900 psi. Keep pressure under 6000 psi to avoid higher HHP charges. Fracture stimulate the Lewis w/ 200,000# 20/40 Arizona sand in 70Q N2 foam. See attached frac schedule for details. Frac will be traced with Protechnics' multi-isotope system. *(3 frac tanks needed)*

13. Flow back well immediately after shutdown -- **NOTE: Time from frac shut-down until flow tee is opened for flow back should be around 30 seconds. Time is critical to achieve reverse gravel packing. Begin flowback on 1/4" choke, increase as needed.** Flowback should continue for at least 15 minutes before shutting in to RD surface stim lines/connections. Flowback should be resumed immediately after RD.

14. Release PKR & TOOH laying down 3-1/2" tubing. Change out rams to 2-3/8".

15. TIH w/ 3-7/8" bit on 2-3/8" tubing and clean out to RBP @ 4900'. Pull up above Lewis perfs, obtain pitot gauge. TOOH, LD bit, PU retrieving head. TIH, latch onto RBP, release, TOOH & LD. PU bit, TIH and clean out to PBDT @ 6091'. Clean up to +/- 5 BPH and trace to no sand. Obtain final pitot gauge. TOOH.

16. RU wireline under packoff. Run Protechnics' after-frac log across traced stimulated zone. RD wireline.

17. TIH w/ 2-3/8" 4.7# J-55 EUE Mesaverde tubing with Baker Model R-3 PKR and Baker Model L sliding sleeve one joint above PKR. From bottom up, BHA should be as follows: expendable check, one jt OE, 1.87" F nipple, ~ 1100' tailpipe, R-3 packer, one jt, sliding sleeve, remaining tubing. Set PKR @ ~4910' (lowest Lewis perf @ 4835', end of tbg @ ~6010').

18. ND BOP, NU WH. Pump off expendable check and flow well up tubing to ensure check pumped off. RD & release rig to next location.

Allison Unit #53
Burlington Resources Oil & Gas
7/16/97

Concur:

JME En TOS 7.16.97
Northeast Basin Team Leader

Approved:

R. C. 7/16/97
Drilling Superintendent

JME *JME*

Production Engineers: **Joan Easley**
599-4026-work
324-2717-pager
327-6843-home

Gaye White
326-9875-work
327-8904-pager
326-6534-home

Allison Unit #53

Blanco Mesaverde

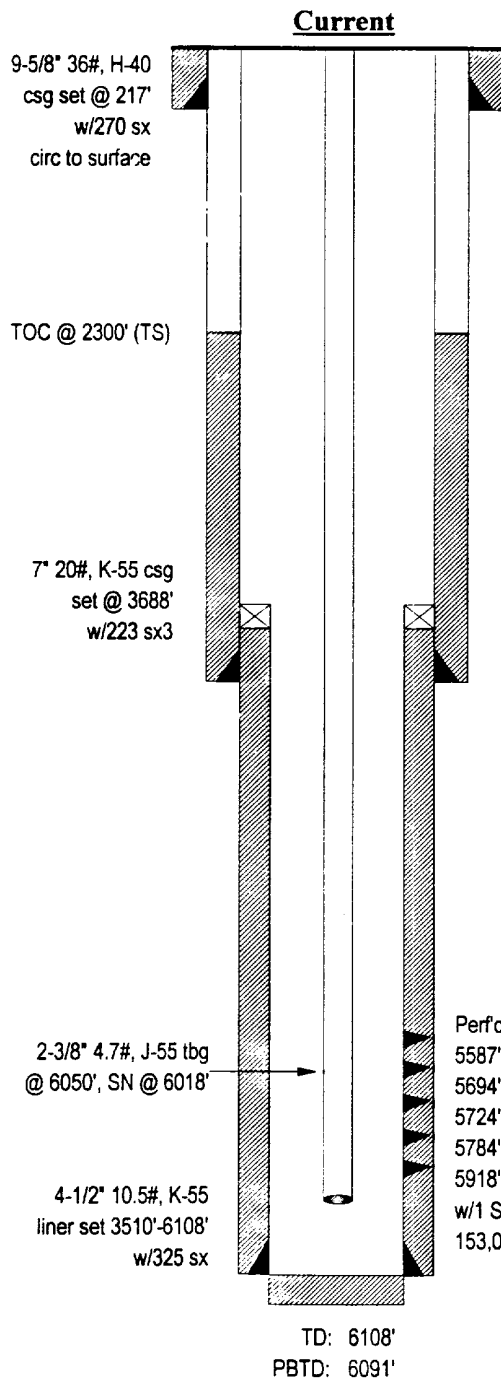
Unit G, Section 29, T32N, R6W

San Juan County, NM

Elevation: 6457' GL

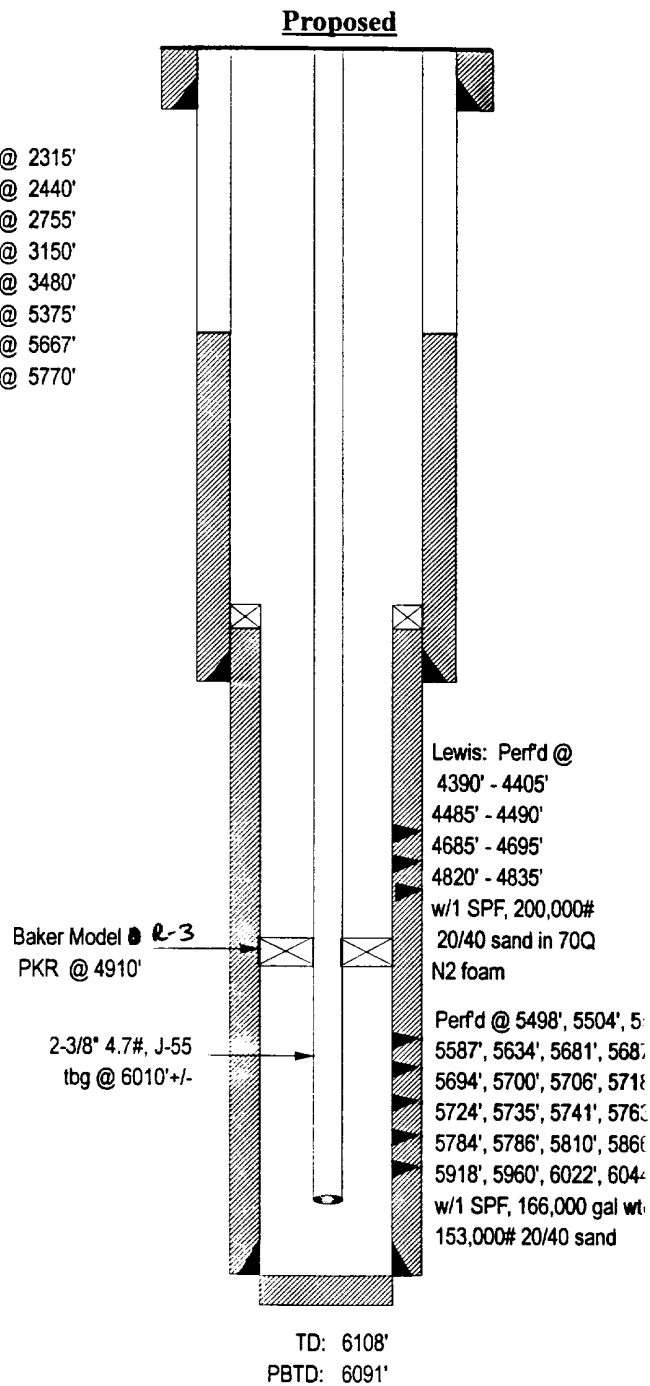
LAT: 36 57.27' / LONG: 107 28.68'

date spud: 09-29-78



Formation Tops:

Ojo Alamo	@ 2315'
Kirtland	@ 2440'
Fruitland	@ 2755'
Pctd Cliffs	@ 3150'
Lewis	@ 3480'
Cliffhouse	@ 5375'
Menefee	@ 5667'
Pt Lookout	@ 5770'



PERTINENT DATA SHEET

Allison Unit #53

3/27/97

LOCATION: 1480' FNL, 1800' FEL Unit G, Sec. 29, T32N, R06W San Juan County, NM		DP NUMBER: 44552A LAT / LONG: 36-57.27' / 107-28.68'																																				
WELL TYPE: Blanco Mesaverde		ELEVATION: <u>KB</u> 6468' <u>GL</u> 6457'																																				
TOTAL DEPTH: 6128' PBTD: 6091'		INITIAL POTENTIAL: 2,449 Mcfd INITIAL SICP: 1,173 Gauge Psi																																				
OWNERSHIP: <u>GWI:</u> 54.0568% <u>NRI:</u> 45.8959% <u>SJBT:</u> 0.1776% (RI)		SPUD DATE: 09/29/78 COMPLETED: 11/07/78 CATHODIC: 9/85																																				
CASING RECORD: <table border="1"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th>CEMENT</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>13-3/4"</td> <td>9-5/8"</td> <td>36#</td> <td>H40</td> <td>217'</td> <td>318 cf</td> <td>Circ to Surface</td> </tr> <tr> <td>8-3/4"</td> <td>7"</td> <td>20#</td> <td>K55</td> <td>3688'</td> <td>308 cf</td> <td>2300' (TS)</td> </tr> <tr> <td>6-1/4"</td> <td>4-1/2"</td> <td>10.5#</td> <td>K55</td> <td>3510'-6108'</td> <td>452 cf</td> <td>3510'</td> </tr> <tr> <td></td> <td>2-3/8"</td> <td>4.7#</td> <td>J55</td> <td>6050'</td> <td>1.78" SN @ 6018'</td> <td></td> </tr> </tbody> </table>				HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	CEMENT	TOC	13-3/4"	9-5/8"	36#	H40	217'	318 cf	Circ to Surface	8-3/4"	7"	20#	K55	3688'	308 cf	2300' (TS)	6-1/4"	4-1/2"	10.5#	K55	3510'-6108'	452 cf	3510'		2-3/8"	4.7#	J55	6050'	1.78" SN @ 6018'	
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PERFORATIONS 5498', 5504', 5580', 5587', 5634', 5681', 5687', 5694', 5700', 5706', 5718', 5724', 5735', 5741', 5763', 5784', 5786', 5810', 5866', 5918', 5960', 6022', 6044' - 1 SPF																																						
STIMULATION: Frac w/166,000 gal. water, 153,000# 20/40 sand																																						
WORKOVER HISTORY: None																																						
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JME 4/1/97