

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY</p> <hr/> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 917' FNL, 1086' FEL, Sec. 23, T-32-N, R-7-W, NMPM DHC-1460</p>	<p>5. Lease Number SF-078483A</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name Allison Unit</p> <p>8. Well Name & Number Allison Unit #11X</p> <p>9. API Well No. 30-045-11346</p> <p>10. Field and Pool Blanco MV/Basin DK</p> <p>11. County and State San Juan Co, NM</p>
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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 checked="" 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 - Pay add and commingle	

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. The well will then be down hole commingled under DHC-1460. Please cancel the intent to commingle and clean out approved as of 12-4-96.

RECEIVED
JUL 31 1997

OIL CON. DIV.
DIST. 3

RECEIVED
BLM
97 JUL 17 PM 1:32
070 FARMINGTON, NM

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

Signed *Regina Brannan* (JME6) Title Regulatory Administrator Date 7/15/97

(This space for Federal or State Office use)

APPROVED BY *John W. Buehler* Title Acting Director Date JUL 29 1997
CONDITION OF APPROVAL, if any:

Allison Unit #11X
Burlington Resources Oil & Gas
Blanco Mesaverde/Basin Dakota Workover
UnitA-Sec23-T32N-R07W
Lat: 36° 58.23'
Long: 107° 31.82'

-
- 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 (6000' +/-) required.
 - Have 50 joints 2-3/8" 4.7# EUE J-55 tubing on location.
 - Spot and fill 7 frac tanks with 2% KCl water.
 - Use drill gas for all operations.
 - (1) 7-5/8" PKR required for 7-5/8" 26.4# N80/J55 pipe. (7-5/8" RBP may be needed to isolate casing leak.)
 - (1) 5-1/2" PKR, (1) 5-1/2" RBP and (1) 5-1/2" CIBP required for 5-1/2" 15.5# J55 pipe.
 - Be prepared to flow back Lewis frac immediately.
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This well is part of the 1997 Allison Mesaverde optimization program. The well is currently completed in the Dakota (46 MCFD) and the Mesaverde Point Lookout (101 MCFD). Cumulative production is 6813 MMCF from the Dakota and 2024 MMCF from the Mesaverde. Menefee & Cliffhouse pay will be added and stimulated with a 25# xlink frac. Lewis pay will also be added and foam frac'd. The Mesaverde and Dakota will be commingled immediately upon completion of the workover.

NOTE: Dakota perms open 8291' - 8364'
Baker Model D PKR @ 7941'
Baker Model F PKR @ 6115'
Point Lookout perms open 6010' - 6068'

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 Model F PKR @ 6115'. TOOH w/ 2-3/8" tubing and PKR (from 8278', Model D permanent PKR @ 7941'). Rabbit and strap tubing. Visually inspect tubing, note any scale in tubing. Lay down any bad tubing.
3. PU washover pipe, mill shoe and PKR plucker on 2-3/8" 4.7# J-55 EUE workstring. Burn over Model D PKR @ 7941', engage w/ plucker, TOOH w/ PKR. LD PKR & fishing assembly.
4. PU 4-3/4" bit and 5-1/2" casing scraper on 2-3/8" tbgr, clean out w/ gas to PBTD @ 8473'. TOOH.
5. PU 5-1/2" CIBP and 5-1/2" PKR on 2-3/8". TIH & set CIBP @ 5970' to isolate Dakota and Point Lookout. Load hole from bottom w/ 2% KCl water.
6. Set PKR above CIBP & test to 3850 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.
7. Complete all squeeze cementing operations. WOC recommended time. Drill out cement. Pressure test to 1000 psi.

Menefee/Cliffhouse Completion:

8. If already in hole, spot 350 gallons 15% HCL acid (w/ 2 gal/1000 corrosion inhibitor) across MN/CH @ 5953'. TOOH, standing 2-3/8" back. Change rams to 3-1/2". (If separate trip is required, skip spotting acid.)

9. RU wireline under packoff. Perforate MN/CH (top-down if in acid) @ the following depths with a 3-1/8" HSC gun w/ Owen 306 12g charges (0.32" hole, 10" penetration), 1 SPF @ 120 degree phasing.

5696'	5698'	5700'	5746'	5748'	5750'
5752'	5782'	5784'	5806'	5808'	5822'
5824'	5840'	5842'	5902'	5905'	5908'
5911'	5918'	5921'	5924'	5927'	5947'
5949'	5951'	5953'			

(27 total holes, 257' gross interval)

10. PU 5-1/2" FB PKR on 3-1/2" 9.3# N-80 frac string. Set PKR 150' +/- above top MN/CH perforation. Hold 500 psi on annulus during acid job.

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 MN/CH w/1000 gallons 15% HCL acid (w/ 2 gal/1000 corrosion inhibitor). Establish rate into formation. Record breakdown pressure and rate and ISIP. **Note: Calculate the number of perforations open at beginning of the job. If 90% (or more) of the holes calculate to be open, pump acid but do not drop balls. Be prepared to continue right into frac job.** If less than 90% of holes are open proceed to next step. If an injection rate of > 5 BPM can be established, prepare to balloff.

12. Begin balloff. Drop a total of 54 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. Release pressure, RD stimulation company. Release PKR & TIH knocking balls below bottom perforation. Pull up and reset PKR.

13. RU stimulation company. Pressure test surface lines to 9100 psi. **Maximum STP = 8100 psi.** Expected STP is about 4350 psi. Keep pressure under 6000 psi to avoid higher HHP charges. Hold 500 psi on annulus. Fracture stimulate the MN/CH w/ 100,000# 20/40 Arizona sand in 25# Xlink. See attached frac schedule for details. Frac will be traced with Protechnics' multi-isotope system. *(4 frac tanks needed)*

14. Release PKR, TOOH. RU wireline under packoff. Make 5-1/2" gauge ring run to 5195'. Set 5-1/2" RBP @ 5175' +/- (liner top @ 5116').

Lewis Completion:

15. Perforate Lewis @ the following depths w/ 4" HSC gun w/ Owen 317 23g charges (0.34" hole, 14" penetration), 2 SPF @ 120 degree phasing.

4685' - 4705'

5095' - 5110'

(80 total holes, 425' gross interval)

16. PU 7-5/8" FB PKR on 3-1/2" frac string. Set PKR below Lewis perforations. Test RBP @ 5175' to 5500 psi. Release PKR, come up hole and reset PKR 150' +/- above top Lewis perf. Hold 500 psi on annulus during frac job.
17. RU immediate flowback equipment (frac nipple, valve, tee, etc.).
18. 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. **Note: Calculate the number of perforations open at beginning of the job. If 90% (or more) of the holes calculate to be open, pump acid but do not drop balls. Be prepared to continue right into frac job.** If less than 90% of holes are open proceed to next step. If an injection rate of > 5 BPM can be established, prepare to balloff.
19. Begin balloff. Drop a total of 160 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. Release pressure, RD stimulation company. Release PKR & TIH knocking balls below bottom perforation. Pull up and reset PKR. RU immediate flowback equipment (frac nipple, valve, tee, etc.).
20. RU stimulation company. Pressure test surface lines to 9100 psi. **Maximum STP = 8100 psi.** Expected STP is about 5450 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)*
21. 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.
22. Release PKR & TOOH laying down 3-1/2" tubing. Change out rams to 2-3/8".
23. TIH w/ 4-3/4" bit on 2-3/8" tubing and clean out to RBP @ 5175'. TOOH, PU retrieving head, TIH to RBP @ 5175'. Pull up above Lewis perfs, obtain pitot gauge. Latch onto RBP, TOOH & LD RBP and retrieving head.
24. TIH w/ 4-3/4" bit on 2-3/8" tubing and clean out to CIBP @ 5970'. Pull up above Lewis perfs, obtain pitot gauge. Drill up CIBP, clean out to PBDT @ 8473'. Clean up to +/- 5 BPH and trace to no sand. Obtain final pitot gauge. TOOH.
25. RU wireline under packoff. Run Protechnics' after-frac log across traced stimulated zone. RD wireline.
26. 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 @ 8330' +/-.
27. 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 #11X
Burlington Resources Oil & Gas
5/19/97

Concur:

W. St. 6/19/97
Northeast Basin Team Leader

Approved:

R. Duc 7/14/97
Drilling Superintendent

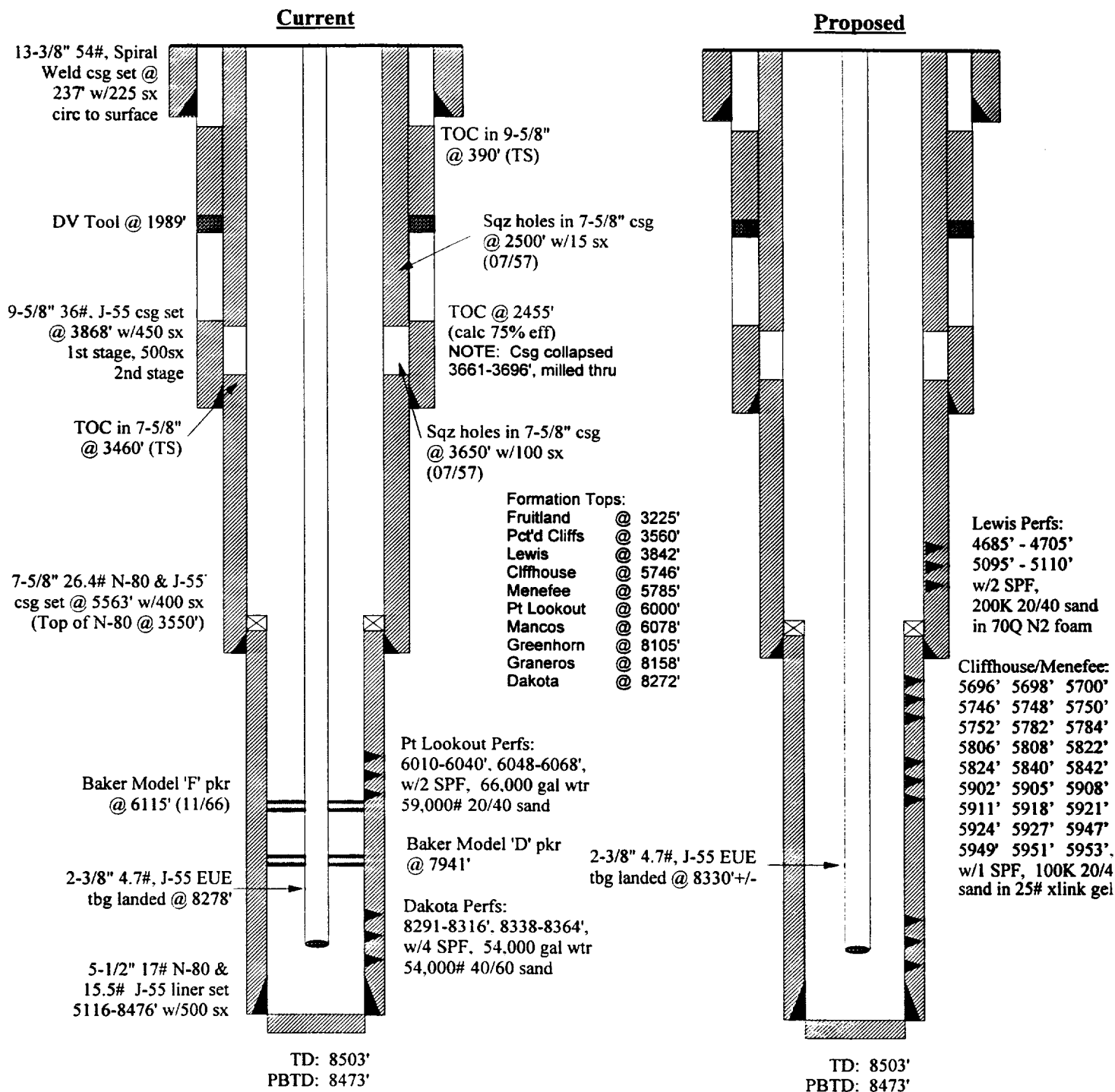
JME *JME*

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 #11X

Blanco Mesaverde/Basin Dakota
Unit A, Section 23, T32N, R7W
San Juan County, NM
Elevation: 6809' GL, 6819' KB
LAT: 36 58.23' / LONG: 107 31.82'
date spud: 06/04/57



PERTINENT DATA SHEET

ALLISON UNIT #11X

4/1/97

LOCATION: 917' FNI, 1086' FEL Unit A, Sec. 23, T32N, R07W San Juan County, NM		DP NUMBER: 35091A - MV 53091B - DK PROP. NUMBER: 007971500 - MV 007971400 - DK LAT / LONG: 36-58.23' / 107-31.82'																																																																	
WELL TYPE: Blanco Mesaverde Basin Dakota		ELEVATION: KB 6819' GL 6809'																																																																	
OWNERSHIP: <u>GWI:</u> 54.0568% <u>NRI:</u> 46.0523% <u>SJBT:</u> 0.1454% (RI)		INITIAL TEST: <u>MV</u> 5,074 <u>DK</u> 5003 <u>Mcf</u> INITIAL SICP: 1062 2888 <u>Psig</u>																																																																	
SPUD DATE: 6/4/57 CATHODIC: 9/83 COMPLETED: 9/15/57		TOTAL DEPTH: 8503' PBTD: 8476'																																																																	
CASING RECORD: <table border="1"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th>EQUIP.</th> <th>CEMENT</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td></td> <td>13-3/8"</td> <td>54#</td> <td>Spiral weld</td> <td>237'</td> <td>Casing</td> <td>225 sxs</td> <td>Surface</td> </tr> <tr> <td>12-1/4"</td> <td>9-5/8"</td> <td>36#</td> <td>J55</td> <td>3868'</td> <td>DV tool @ 1989'</td> <td></td> <td>2500' (TS)</td> </tr> <tr> <td colspan="7"> *Note: Casing collapsed 3661'-3696', milled through. Baker Model D packer set @ 7941'; Baker Model F packer set @ 6115' </td> <td>2455' (Calc 75%)</td> </tr> <tr> <td>8-3/4"</td> <td>7-5/8"</td> <td>26.4#</td> <td>N80/J55</td> <td>5563'</td> <td>Casing</td> <td>400 sxs</td> <td>390' (TS)</td> </tr> <tr> <td>6-3/4"</td> <td>5-1/2"</td> <td>17#/15.5#</td> <td>N80/J55</td> <td>5116'-8476'</td> <td>Liner</td> <td>500 sxs</td> <td>3460' (TS)</td> </tr> <tr> <td></td> <td>2-3/8"</td> <td>4.7#</td> <td>J55, EUE</td> <td>8278'</td> <td>Dakota tubing</td> <td></td> <td>5116'</td> </tr> <tr> <td colspan="8">12 jts. NUE flush jt on btm., tbg. open ended.</td> </tr> </tbody> </table>				HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC		13-3/8"	54#	Spiral weld	237'	Casing	225 sxs	Surface	12-1/4"	9-5/8"	36#	J55	3868'	DV tool @ 1989'		2500' (TS)	*Note: Casing collapsed 3661'-3696', milled through. Baker Model D packer set @ 7941'; Baker Model F packer set @ 6115'							2455' (Calc 75%)	8-3/4"	7-5/8"	26.4#	N80/J55	5563'	Casing	400 sxs	390' (TS)	6-3/4"	5-1/2"	17#/15.5#	N80/J55	5116'-8476'	Liner	500 sxs	3460' (TS)		2-3/8"	4.7#	J55, EUE	8278'	Dakota tubing		5116'	12 jts. NUE flush jt on btm., tbg. open ended.							
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WORKOVER HISTORY: 7/57 Squeeze holes in 7-5/8" casing @ 3650' with 100 sxs cmt. Perf 7-5/8" casing @ 2500', squeeze w/15 sxs. 7/57 Lost fish drilling. Sqzd off open hole @ 5463'. Drilled to 5590', set whipstock @ 5587'. Continued drilling. 11/66 Set Packer Model F packer @ 6115'. Ran 2-3/8" tbg. to 8278' Note: Baker locator sub and snaplatch (20,000# to release)																																																																			
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JAC 4/1/97