

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

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 1470' FNL, 1850' FWL, Sec. 25, T-32-N, R-7-W, NMPM, San Juan County</p>	<p>API # (assigned by OCD) 30-045-25812</p> <p>5. Lease Number Fee</p> <p>6. State Oil&Gas Lease #</p> <p>7. Lease Name/Unit Name Allison Unit</p> <p>8. Well No. 22A</p> <p>9. Pool Name or Wildcat Blanco Mesaverde</p> <p>10. Elevation:</p>
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Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input 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	

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 22 1997

OIL CON. DIV.
DIST. 3

SIGNATURE *Regan Bradnick* (ME6) Regulatory Administrator July 18, 1997

(This space for State Use)

Approved by *Johnny Robinson* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date JUL 22 1997

Allison Unit #22A
Burlington Resources Oil & Gas
Blanco Mesaverde Workover
UnitF-Sec25-T32N-R07W
Lat: 36° 57.25'
Long: 107° 31.22'

-
- 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, Menefee and Cliffhouse horizons (48 MCFD) with a cumulative production of 365 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 / Cliffhouse perfs open 5437' - 6142'
Plunger lift spring left in tubing.

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 6123'). 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 @ **6222'**. TOOH.
4. PU 4-1/2" RBP and 4-1/2" PKR on 2-3/8". TIH & set RBP @ **4925'** 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 @ 4865'. TOOH, standing 2-3/8" back. Change rams to 3-1/2". (If separate trip is required, skip spotting acid.)

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7/16/97

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.

4420' - 4435'

4510' - 4520'

4720' - 4735'

4855' - 4865'

(50 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 @ 3520'). Hold 500 psi on annulus during frac.
10. RU immediate flowback equipment.
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 @ 4925'. Pull up above Lewis perms, obtain pitot gauge. TOOH, LD bit, PU retrieving head. TIH, latch onto RBP, release, TOOH & LD. PU bit, TIH and clean out to PBSD @ 6222'. 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, ~ 1210' tailpipe, R-3 packer, one jt, sliding sleeve, remaining tubing. Set PKR @ ~4930' (lowest Lewis perf @ 4865', end of tbg @ ~6140').
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 #22A
Burlington Resources Oil & Gas
7/16/97

Concur:

ms for TDS 7.16.97
Northeast Basin Team Leader

Approved:

R. Qu C 7/16/97
Drilling Superintendent

JME

ms

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 #22A

Blanco Mesaverde

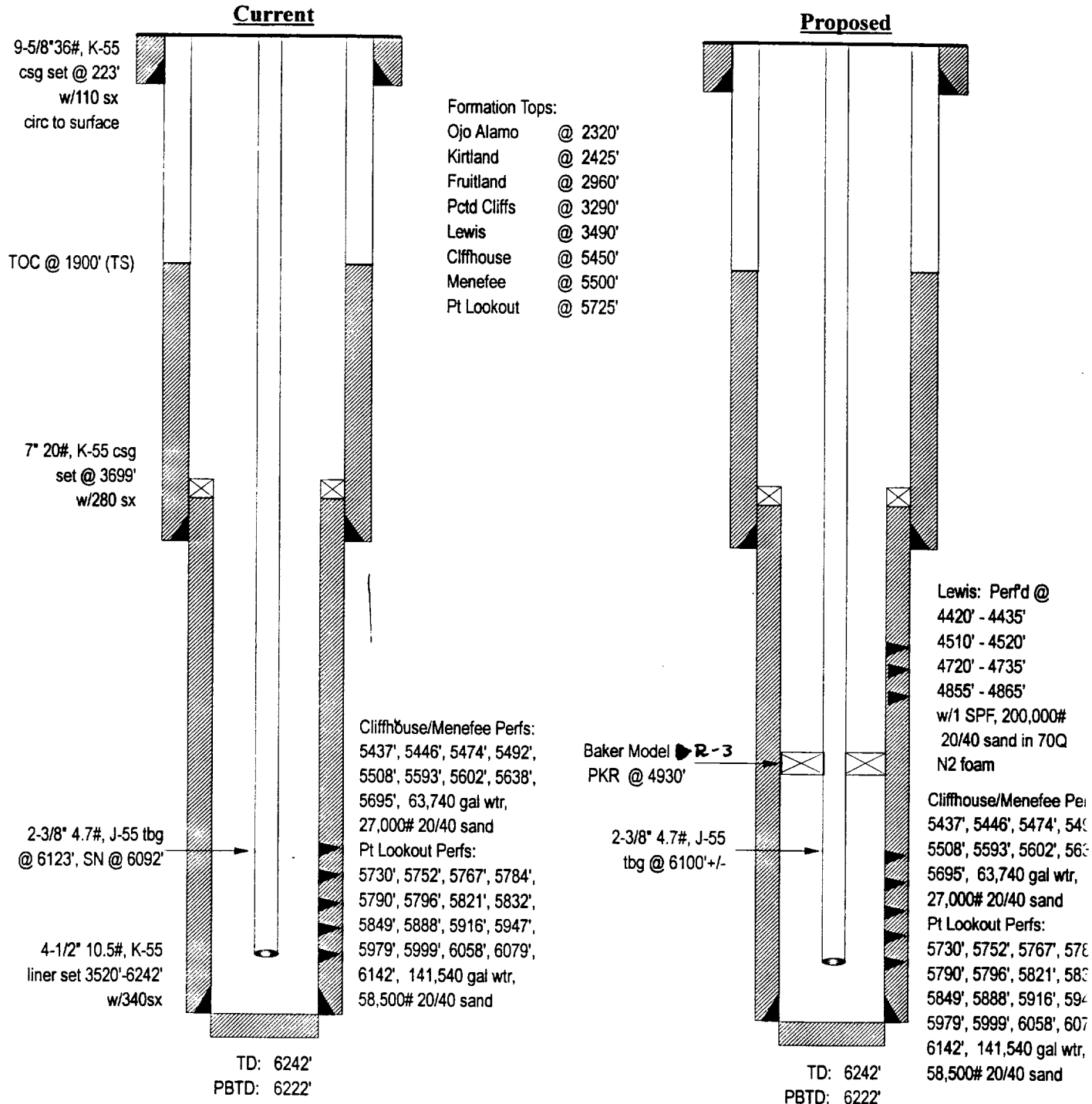
Unit F, Section 25, T32N, R7W

San Juan County, NM

Elevation: 6483' GL

LAT: 36 57.25' / LONG: 107° 31.22'

date spud: 11-23-83



PERTINENT DATA SHEET

Allison Unit #22A

4/1/97

LOCATION: 1470' FNL, 1850' FWL Unit F, Sec. 25, T32N, R07W San Juan County, NM		DP NUMBER: 52650A PROP. NUMBER: 007971500 LAT / LONG: 36-57.25' / 107-31.22'																																				
WELL TYPE: Blanco Mesaverde		ELEVATION: KB 6495' GL 6483'																																				
TOTAL DEPTH: 6242' PBTD: 6222'		INITIAL SICP: 922 psi																																				
OWNERSHIP: <div style="display: flex; justify-content: space-between;"> <div> <u>GWI:</u> 54.0568% <u>NRI:</u> 45.8959% <u>SJBT:</u> 0.1776% </div> <div>(RI)</div> </div>		SPUD DATE: 11/23/83 COMPLETED: 01/14/84 CATHODIC: 8/85																																				
CASING RECORD: <table border="1" style="width: 100%; border-collapse: collapse;"> <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>12-1/4"</td> <td>9-5/8"</td> <td>36#</td> <td>K55</td> <td>223'</td> <td>130 cf</td> <td>Surface</td> </tr> <tr> <td>8-3/4"</td> <td>7"</td> <td>20#</td> <td>K55</td> <td>3699'</td> <td>411 cf</td> <td>1900' (TS)</td> </tr> <tr> <td>6-1/4"</td> <td>4-1/2"</td> <td>10.5#</td> <td>K55</td> <td>3520'-6242'</td> <td>340 sxs</td> <td>3520'</td> </tr> <tr> <td></td> <td>2-3/8"</td> <td>4.7#</td> <td>J55</td> <td>6123'</td> <td>SN @ 6092'</td> <td></td> </tr> </tbody> </table> Marker Jt @ 5415'				HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	CEMENT	TOC	12-1/4"	9-5/8"	36#	K55	223'	130 cf	Surface	8-3/4"	7"	20#	K55	3699'	411 cf	1900' (TS)	6-1/4"	4-1/2"	10.5#	K55	3520'-6242'	340 sxs	3520'		2-3/8"	4.7#	J55	6123'	SN @ 6092'	
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PERFORATIONS <div style="display: flex; justify-content: space-between;"> <div>CH/Menefee</div> <div>5437', 5446', 5474', 5492', 5508', 5593', 5602', 5638', 5695'</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Point Lookout</div> <div>5730', 5752', 5767', 5784', 5790', 5796', 5821', 5832', 5849', 5888', 5916', 5947', 5979', 5999', 6058', 6079', 6142'</div> </div>																																						
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JME 4/1/97