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

Sundry Notices and Reports on Wells

1. **Type of Well**
   GAS

API # (assigned by OCD)
30-045-22546

5. **Lease Number**
   Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
   BURLINGTON RESOURCES OIL & GAS COMPANY

7. **Lease Name/Unit Name**
   Allison Unit

3. **Address & Phone No. of Operator**
   PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. **Well No.**
   22

9. **Pool Name or Wildcat**
   Mesaverde

4. **Location of Well, Footage, Sec., T, R, M**
   1150'FNL 1850'FEL, Sec. 25, T-32-N, R-7-W, NMPM, San Juan County

10. **Elevation:**

Type of Submission	Type of Action	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ 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.

RECEIVED
JUL 29 1998
OIL CON. DIV.
DIST. 3

SIGNATURE _____ (BG) Regulatory Administrator July 28, 1998

TLW

(This space for State Use)

Approved by Original Signed by FRANK T. CHAVEZ Title SUPERVISOR DISTRICT # 3 Date JUL 29 1998

Allison Unit #22
Burlington Resources Oil & Gas
Blanco Mesaverde Payadd
Unit B - Sec 25 - T32N - R07W
Lat: 36° 57.31'
Long: 107° 30.88'

- 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 (185 MCFD). Cumulative production is 2278 MMCF and has remaining reserves of 572 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 5454' - 5865'
Point Lookout perfs open 5918' - 6112'

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 6087' (203 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 5450'. If gauge ring is unable to get to 5450', POH. TIH with 3-7/8" bit and 4-1/2" csg scraper to 5450'. TOOH.

4. Run 4-1/2" CIBP on wireline and set **@ 5440'** 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 5420' to Liner Top. TOC is at 4896' according to 1979 vintage CBL. 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.

   5090', 5110', 5125', 5135', 5150', 5165', 5180', 5200', 5215', 5225', 5235', 5250', 5265', 5280', 5295', 5310', 5325', 5340', 5355', 5370', 5385', 5400', 5415'

   (23 total holes, 325' gross interval)

7. PU 4-1/2" FB pkr on 2-3/8" work string. Set pkr @ 5420'. Pressure test CIBP to 3500 psi. Release and reset pkr to 4040'. 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 @ 3490'.

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 5070' 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.

    4405', 4420', 4465', 4480', 4495', 4515', 4670', 4695', 4710', 4725', 4745', 4800', 4815', 4830', 4845', 4860', 4875', 4890', 4905', 4920', 4935', 4950', 4965', 4980'

    (24 total holes, 575' gross interval)

14. PU 4-1/2" FB packer on 2-3/8" tubing string. Set pkr @ 5050'. Pressure test CIBP to 3500 psi. Reset packer to 3490' 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 @ 4980'. TOOH. TIH with 4-1/2" packer on 4 jts of 2-7/8" tbg and 3-1/2" frac string. Set pkr @ 3490'.

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)***

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 5070'. Obtain pitot gauge on upper Lewis. Drill up CIBP using a minimum mist rate of 12 BPH.

22. Clean out to CIBP at 5440'. Obtain pitot gauge on entire Lewis. Drill up CIBP using a minimum mist rate of 12 BPH.

23. Clean out to PBTD (6127'). 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 @ 6087'.

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

PERTINENT DATA SHEET
5/5/98

WELLNAME:	Allison Unit # 22	**DP NUMBER:**	44556A
		PROP. NUMBER:	
WELL TYPE:	Blanco Mesaverde	**ELEVATION:**	KB 6472'
			GL 6464'
LOCATION:	1150' FNL, 1850' FEL Unit B, Sec. 25, T32N, R07W San Juan County, NM	**INITIAL POTENTIAL:**	MV 2,077 MCFD
		INITIAL SITP:	1,137 psi
OWNERSHIP:	MV GWI: 98.6949% NRI: 83.4586% SJBT: 0.0000%	**DRILLING:**	SPUD DATE: 10/27/77 COMPLETED: 12/19/77 TOTAL DEPTH: 6144' PBTD: 6127'

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
	9-5/8"	32.3#	H40	223'	Casing	236 ft^3	Circ to Surfac
	7"	20#	K55	3631'	Casing	272 ft^3	2050' (TS)
	4-1/2"	10.5#	K55	3470'-6144'	Liner	464 ft^3	4896' (CB
	2-3/8"	4.7#	EUE	6087'	Tubing SN @ 6054'		

FORMATION TOPS:

Ojo Alamo	2320'	Menefee	5500'
Kirtland	2425'	Point Lookout	5725'
Fruitland Coal	2960'		
Pictured Cliffs	3290'		
Lewis	3490'		
Huerfanito Bentonite	4228'		
Cliffhouse	5450'		

LOGGING: GR/Neutron/Densilog/Dipole Sonic/Temperature Survey

PERFORATIONS

CH/MN	5454' - 5865' (21 perforations)	
PL	5918' - 6112' (10 perforations)	

STIMULATION:

CH/MN	Frac w/154,686 gal. water, 151,000# sand
PL	Frac w/55,944 gal. water, 50,000# sand

WORKOVER HISTORY:

12/1/94	Cleanout fill, 6030' - 6127', test csg held OK, ran CET and Dipole Sonic

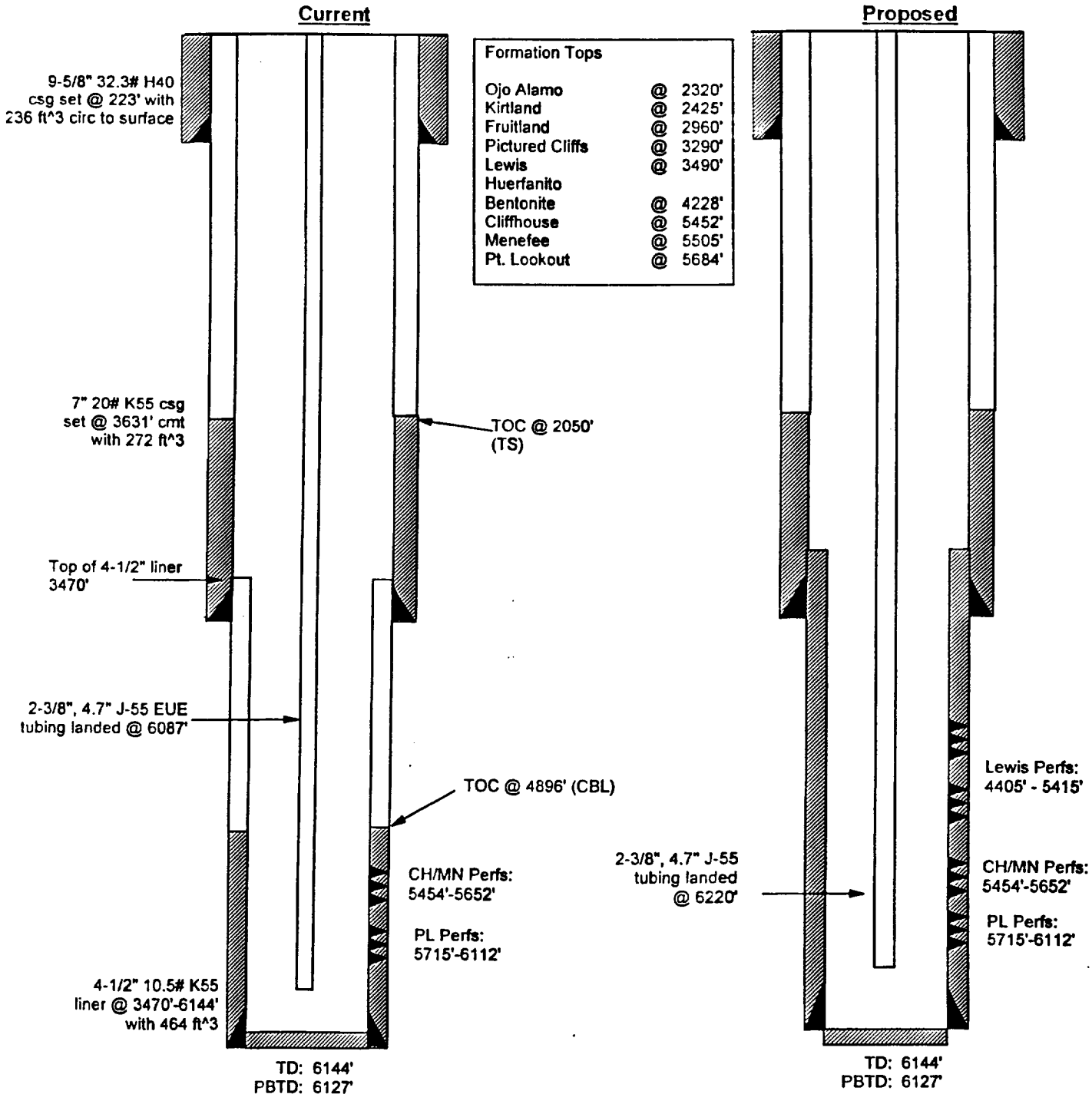
PRODUCTION HISTORY:	MV		**RESERVE INFORMATION:**	MV	
Cumulative	2,278	MMCF	Gross EUR	2,851	MMCF
Current	185	MCFD	Gross Remaining Reserves	572	MMCF

PIPELINE: Williams Field Service

Allison Unit # 22

Blanco Mesaverde Workover/ Lewis Payadd

Unit B, Section 25, T32N, R07W
San Juan County, NM
Elevation: 6464' GL
LAT: 36 57.31'
LONG: 107 30.88'
date spud: 10/27/79



Burlington Resources
03/30/98: RLG3