

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
**BURLINGTON
RESOURCES**

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

4. Location of Well, Footage, Sec., T, R, M
1180' FNL, 1620' FWL, Sec. ^C15, T-32-N, R-7-W

5. Lease Number
SF 078459-B
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
Allison Unit
8. Well Name & Number
Allison Unit #16A
9. API Well No.
30-045-23287
10. Field and Pool
Blanco MV
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

<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 on the subject according to the attached procedure and wellbore diagram.

RECEIVED
JAN 12 1998

OIL CON. DIV.
DIST. 3

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

Signed *Regan D. Spauld* (RG6) Title Regulatory Admin. Date 12/31/97

(This space for Federal or State Office use)

APPROVED BY */s/ Duane W. Spencer* Title _____ Date JAN - 7 1998

CONDITION OF APPROVAL, if any:

NMOC

Allison Unit #16A
Burlington Resources Oil & Gas
Blanco Mesaverde Workover
UnitC-Sec15-T32N-R07W
Lat: 36° 59.05'
Long: 107° 33.45'

- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - 4000' 3-1/2" 9.3# N-80 Frac String
 - Spot and fill 4 frac tanks with 2% KCl water.
 - Use drill gas for all operations.
 - (1) 7" PKR and (1) 7" RBP required for 7" 20# J55 csg (If csg leaks)
 - (1) 4-1/2" PKR and (2) 4-1/2" CIBP required for 4-1/2" 10.5# J55 pipe.
 - Be prepared to flow back Lewis frac within 30 min of shutting down frac pumps.
-

This well is part of the 1998 Allison Mesaverde optimization program. The well is currently completed in the Mesaverde Point Lookout, Menefee & Cliffhouse (163 MCFD). Cumulative production is 1398 MMCF from the Mesaverde. Lewis pay will be added and stimulated with 60 Quality Foam. The Lewis will be stimulated and be flowed back overnight 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: Point Lookout perfs open 5920'- 6198'
Menefee Perfs open 5750'- 5880'
Cliffhouse perfs open 5493'- 5722'

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 with 2-3/8" 4.7# J-55 tubing from 6143' (200 joints). Rabbit and strap tubing. Visually inspect tubing, note any scale. Replace any bad tubing.
3. RU wireline unit. Run 4-1/2" gauge ring on wireline to 5490'. If gauge ring is not able to get to 5490', POOH. TIH with 3-7/8" bit and 4-1/2" csg scrapper to 5490'. TOOH.
4. Wireline set 4-1/2" CIBP @ 5480' to isolate the Point Lookout. RD wireline
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.
6. RU wireline unit. With hole loaded and 1000 psi, run CCL/CBL from 5500' to 3600'. Send logs to office for evaluation.

7. PU 4-1/2" PKR, TIH and set PKR @ 3700' (or in good cement by CBL). Pressure test CIBP and 4-1/2" csg to 3800 psi. Hold for 10 minutes. If PT does not hold, locate hole(s). Engineering will provide squeeze design if required. Release PKR and load hole with 2% KCl from bottom. TOOH.

Lewis Completion (First Stage):

8. 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.

**4900', 4912', 4925', 4940', 4955', 4970', 4990', 5003', 5022', 5034', 5110',
5125', 5149', 5155', 5163', 5174', 5180', 5214', 5234', 5252', 5273', 5300',
5314', 5324', 5417', 5438', 5447' (27 total holes, 547' gross interval)**

9. PU 4-1/2" FB packer on 2-3/8" tbg. Set pkr 4750'. Hold 500 psi on annulus during balloff and breakdown.
10. RU stimulation company. Pressure test surface lines to 6300 psi. **Max surface pressure = 5300 psi at 5 BPM. Max static pressure = 3800 psi.** 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.
11. Begin balloff. Drop a total of 50 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. TIH to knock balls off below the bottom perf. TOOH.
12. RU flowback equipment to commence flowback within 30 min.
13. TIH w/4-1/2" pkr on 2 jts 2-7/8" BTC tbg and 3-1/2" frac string. Set pkr at 3700'. RU stimulation company. Pressure test surface lines to 7000 psi. **Max surface pressure = 6000 psi at 40 BPM. Max static pressure = 3800 psi.** Fracture stimulate the Lewis w/ 175,000# 20/40 Arizona sand in 60Q N2 foam at 40 BPM. Tagging with 3 RA elements. See frac schedule for details. *(2 frac tanks needed)*
14. Flow back well within 30 min after shutdown. Start flowback on 10/64" choke. Increase choke size as needed to bring fluid to surface but no sand. If well begins to produce sand decrease choke size until sand production stops. Continue to flowback until able to set CIBP and commence second stage stimulation. Take gauges when possible.
15. Release PKR & TOOH standing back frac string. Change out rams to 2-3/8".
16. RU wireline unit, set CIBP at 4890'.

Lewis Completion (Second Stage):


17. 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.

4315', 4325', 4335', 4345', 4355', 4415', 4425', 4435', 4445', 4455', 4470',
4480', 4490', 4500', 4520', 4535', 4550', 4565', 4755', 4765', 4775', 4785',
4805', 4815', 4835', 4848', 4855' (27 total holes, 540' gross interval)

18. PU 4-1/2" FB packer on 2-3/8" tbg. Set pkr 4165'. Hold 500 psi on annulus during balloff and breakdown.
19. RU stimulation company. Pressure test surface lines to 6300 psi. **Max surface pressure = 5300 psi at 5 BPM. Max static pressure = 3800 psi.** 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.
20. Begin balloff. Drop a total of 50 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. TIH to knock balls off below the bottom perf. TOOH.
21. RU flowback equipment to commence flowback within 30 min.
22. TIH w/4-1/2" pkr on 2 jts 2-7/8" BTC tbg and 3-1/2" frac string. Set pkr at 3700'. RU stimulation company. Pressure test surface lines to 6600 psi. **Max surface pressure = 5600 psi at 40 BPM. Max static pressure = 3800 psi.** Fracture stimulate the Lewis w/ 175,000# 20/40 Arizona sand in 60Q N2 foam at 40 BPM. Tagging with 3 RA elements. See frac schedule for details. *(2 frac tanks needed)*
23. Flow back well within 30 min after shutdown. Start flowback on 10/64" choke. Increase choke size as needed to bring fluid to surface but no sand. If well begins to produce sand decrease choke size until sand production stops. Continue to flowback until well produces dry gas. Take gauges when possible.
24. Release PKR & TOOH laying down 3-1/2" frac string. Change out rams to 2-3/8".
25. TIH w/3-7/8" bit on 2-3/8" tubing and clean out to CIBP @ 4890'. Pull up above Lewis perfs, obtain Lewis pitot gauge. Drill up CIBP (minimum mist rate of 12 BPH), clean out to CIBP @ 5480'. Obtain a gauge on the entire Lewis interval.
26. Drill out CIBP (minimum mist rate of 12 BPH). Clean up to PBTD (6247')
27. 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 @ 6198' +/-.
28. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot up tubing. 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 #16A
Burlington Resources Oil & Gas
12/31/97

Recommend:


12-31-97
Production Engineer

Approved:

Basin Opportunities Team Leader

Approved:

Drilling Superintendent

RLG3

Vendors:

Stimulation:
RA Tag:

Dowell
Protechnics

325-5096
326-7133

Production Engineers:

Bobby Goodwin
326-9713-work
564-7096-pager
599-0992-home

Steve Campbell
326-9546 work
546-1902 pager

RLG3

PERTINENT DATA SHEET

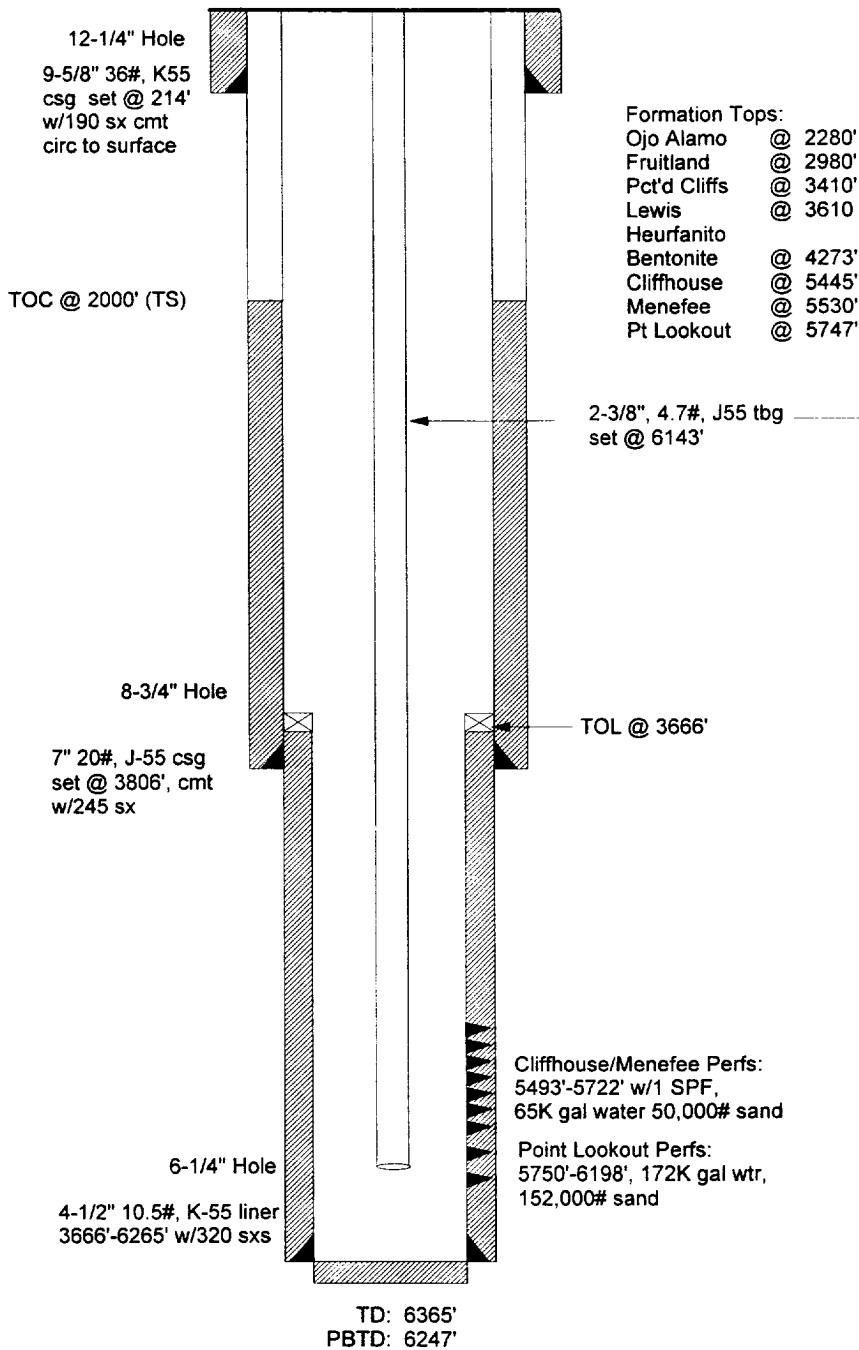
12/31/97

WELLNAME: Allison Unit #16A				DP NUMBER: 50102A PROP. NUMBER: 007971500			
WELL TYPE: Blanco Mesaverde				ELEVATION: KB 6579' GL 6568'			
LOCATION: 1180' FNL, 1620' FWL Unit C, Sec. 15, T32N, R07W San Juan County, NM				INITIAL POTENTIAL: 916 Mcfd INITIAL SITP: 985 Psig LAST AVAILABLE SITP: - Psig			
OWNERSHIP: GWI: 54.0568% NRI: 45.8959% SJBT: 0.1776% (RI)				DRILLING: SPUD DATE: 8/27/79 COMPLETED: 11/11/79 TOTAL DEPTH: 6365' PBTD: 6247'			
CASING RECORD:							
HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
12-1/4"	9-5/8"	36#	K55	214'	Casing	190 sxs	Surface
8-3/4"	7"	20#	K55	3806'	Casing	245 sxs	2000' (TS)
6-1/4"	4-1/2"	10.5#	K55	3666'-6265'	Liner	320 sxs	3666'
	2-3/8"	4.7#	J55, 8Rd	6143'	Tubing 1.78" SN @ 6112'		
FORMATION TOPS:							
	Ojo Alamo	2280'	Cliffhouse	5445'			
	Fruitland	2980'	Menefee	5530'			
	Pictured Cliffs	3410'	Point Lookout	5747'			
	Lewis	3610'					
	Heurfanito Bentonite	4273'					
LOGGING: GR, IND, Density							
PERFORATIONS 1 SPF 5493', 5530', 5535', 5539', 5550', 5556', 5582', 5623', 5629', 5693', 5722', 5750', 5763', 5769', 5775', 5781', 5787', 5793', 5799', 5805', 5811', 5817', 5840', 5855', 5865', 5880', 5920', 5949', 5998', 6029', 6044', 6062', 6078', 6105', 6129', 6185', 6198'							
STIMULATION: Frac 5493' - 5722' w/65268 gal. water, 50M lbs. 20/40 sand Frac 5750' - 5880' w/101,000 gal. water, 100M lbs. 20/40 sand Frac 5920' - 6198' w/71,580 gal. water, 51,750 lbs. 20/40 sand.							
WORKOVER HISTORY: None							
PRODUCTION HISTORY:							
	Gas	Oil	Water	RESERVE INFORMATION:		Gas	Oil
Cumulative	1398 MMcf	0 bo		Gross EUR	2387 MMcf	0	
Current	163 Mcfd	0 bo		Gross Remaining Reserves	989 MMcf	0	
PIPELINE: Williams Field Service							

Allison Unit #16A

Blanco Mesaverde
Unit C, Section 15, T32N, R7W
San Juan County, NM
Elevation: 6568' GR
.LAT: 36 59.05' / LONG: 107 33.45'
date spud: 08/27/79

Current



Proposed

