submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED BLM 97 OCT 28 PM 2:16 070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-080430A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 28-6 Unit

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

8. **Well Name & Number**
San Juan 28-6 U #17

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

9. **API Well No.**
30-039-07236

4. **Location of Well, Footage, Sec., T, R, M**
1555'FSL, 825'FWL, Sec.31, T-28-N, R-6-W, NMPM

10. **Field and Pool**
Blanco Mesaverde

11. **County and State**
Rio Arriba Co, NM

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

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

13. **Describe Proposed or Completed Operations**

It is intended to add the Lewis formation to the subject well according to the attached procedure and wellbore diagram. The lower Mesaverde open hole will be plugged and abandoned. Please cancel our sundry approved 7-21-97 to temporary abandon the subject well.

RECEIVED
NOV - 5 1997
OIL CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (JLDOpps) Title Regulatory Administrator Date 10/28/97

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

(2)

NMOCD

San Juan 28-6 Unit #17

Lewis Pay Add Procedure

SW, Section 31, T28N, R6W

Lat: 36° ¯36.86004 min./ Long: 107° ¯30.74796 min.

Abandon the lower Mesaverde openhole and complete the Lewis. The Lewis will be sand fracture stimulated in a single 300,000 lbs 20/40 sand stage using a 60Q 30 lb crosslinked gel for transport.

1. Inspect location and test rig anchors, if necessary. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location an inspected 4700', 2-3/8" production string, a 4470', 3-1/2" N-80 frac string, 3 jts of a 2-7/8" N-80 frac string, 1, 2-7/8 X 3-1/2" N-80 crossover and 5, 400 bbl frac tanks.

2. Fill Tank #1 with 400 bbls 2% KCL water. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.

3. Run gauge in 2-3/8" tubing to 5000'. Wireline jet cut tubing at 5000' (freepoint ran June 1996 indicates tubing is stuck at 5200'). TOOH with 2-3/8" Mesaverde production string and LD. Send string in to be inspected and salvaged, if possible.

4. PU and RIH with a 4-3/4" bit, 5-1/2" (15.5 lb/ft) casing scraper on the inspected 2-3/8" production string. Clean out to 4700' with air. TOOH.

5. RIH with a 5-1/2" CR, SN on the 2-3/8" production string and set CR at 4700'. PT tubing to 2000 psi using the CR stinger configuration. RU cementing contractor. Establish an injection rate through the CR. Squeeze the lower Mesaverde openhole with 210 sx class B cement (100% excess). Sting out of CR, spot 2 sx cement on CR and reverse circulate tubing clean. RD cementing contractor.

6. Roll the hole clean with 2% KCL water. TOOH 2-3/8" production string. PT CR and casing to 1000 psi. If casing doesn't hold pressure, isolate hole and contact Jennifer Dobson at ext. 4026 for squeeze procedure.

7. MIRU logging company. Run GR-CBL-CCL from PBTD to surface casing with 1000 psi surface pressure. Run GR-DSNL from PBTD to 3500'. Top of good cement must be above 3600' to continue. Evaluate CBL and send log copies to production and drilling.

8. Fill Tank #2, Tank #3,Tank #4 and Tank #5 with 1331 bbls 2% KCL water. If necessary, filter all water to 25 microns. These four tanks are for the frac gel fluid. Add water to Tank #1 for the breakdown as necessary.

9. PU and TIH with 2-3/8 production string and spot 950 gals 15% HCL acid across the entire Lewis perf interval 3800-4500'. TOH slowly for 16 stands. TOOH.

All acid on this well to contain the following additives per 1000 gals.

2 gal	CI-22	Corrosin inhibitor
5 gal	Ferrotrol-300L	Iron Control
1 gal	Flo-back 20	Surfactant
0.5 gal	Clay Master-5C	Clay control

10. Contact Jennifer Dobson at ext. 4026 for exact Lewis perforations. RU wireline services. RIH with 3-1/8" selective fire carrier guns loaded with Owens 3125306P HSC 12 gm charges set at 1 SPF. (Av. perf diameter - 0.30", Av. pen. -17.48" in concrete). Perf the Lewis from top down. RD wireline services.

11. PU and RIH with 5-1/2" packer and 2-3/8" tubing. Set packer at 3600'

12. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 4600 psi. Breakdown lower Lewis with 2500 gals 15% HCL acid. Drop 2, 7/8" 1.3 sp gr RCN perf balls per perforation. Evenly space throughout the job for diversion. Attempt to ball off to 3600 psi. Use same acid additives as in Step 9. RD stimulation company. Release packer and lower to 4550' to knock off perf balls. TOOH.

13. Set Pro-Technics RTD tool at 4480' on slickline.

14. PU and RIH with 5-1/2" packer, tubing tester, 3 jts 2-7/8 N-80 tubing, 2-7/8 X 3-1/2" N-80 crossover and 3-1/2" frac string. Set packer at 3700'. PT frac string to 6500 psi.

15. RU stimulation company. Hold tailgate safety meeting. Pressure test surface lines to 7500 psi. Frac Lewis down the 3-1/2" N-80 frac string with 128,500 gals of 60 quality foam using 30 lb crosslinked gel as the base fluid and 300,000 lbs 20/40 Arizona sand. Pump at a foam rate of 55 BPM. Monitor bottom hole and surface treating pressures, rate, foam quality and sand concentration with computer van. Sand laden fluid is to be tagged with IR-192, Sc-46 and Sb-124 RA tracers. Max pressure is 6000 psi and estimated treating pressure is 5791 psi. Treat per the following schedule:

Stage	Downhole Foam Volume (gals)	Clean Gel Volume (gals)	N2 Volume (MSCF)	Sand Volume (lbs)
Pad	26,500	10,600	261.48	---
1.0 ppg	14,000	5,600	138.14	14,000
2.0 ppg	18,000	7,200	177.62	36,000
3.0 ppg	30,000	12,000	296.03	90,000
4.0 ppg	40,000	16,000	394.71	160,000
Flush	1,300	520	12.83	0
Totals	**129,800**	**51,920**	**1280.81**	**300,000**

Treat frac fluid w/the following additives per 1000 gallons:

* 0.38 lbs XCIDE-207 — Bacteriacide to be mixed in tanks.
* 30 lbs GW-27 — Guar gelling agent to be mixed in tanks.
* 5.0 gals FAW-1 — Foaming agent to be mixed on fly.
* 2.5 gals BF-7L — Buffering agent to be mixed in tanks.
* 1.0 lbs ULTRA PERM CRB — Gel breaker to be mixed on fly.
* 1.0 lbs GBW-5 — Gel Breaker to be mixed in last 3,998 gals.
* 1.0 gals FLO-Back 20 — Non-ionic Surfactant mix in full tank.
* 1.0 gals XLW-30 — Crosslinker to be mixed on fly.
* 1.0 gals ENZYME G — Enzyme breaker to be mixed on fly.

Treat flush fluid with the following additives per 1000 gals:

* 0.38 lbs XCIDE-207 — Bacteriacide to be mixed in tanks.
* 30 lbs GW-27 — Guar gelling agent to be mixed in tanks.

* 5.0 gals FAW-1	Foaming agent to be mixed on fly.
* 2.5 gals BF-7L	Buffering agent to be mixed in tanks.
* 1.0 gals FLO-Back 20	Non-ionic Surfactant mix in full tank.
* 1.0 lbs GBW-5	Gel Breaker to be mixed in last 798 gals.
* 1.0 gals ENZYME G	Enzyme breaker to be mixed on fly.

RDMO stimulation company.

16. Flow well back after 30 minutes to 1 hour through a choke manifold at 20 BPH or less if sand is observed. After the well has cleaned up and pressures allow, release packer and TOOH. LD 3-1/2" frac string, 2-7/8" X 3-1/2" N-80 crossover, 3 jts 2-7/8" N-80 tubing and packer.

17. TIH with overshot for Pro-Technics RTD pressure tool on 2-3/8" tubing and clean out to 4480' with air/mist. Fish RTD tool and TOOH.

18. RIH with notched collar on 2-3/8" tubing and tag PBTD. If sand fill up is present within 100' of bottom perf, clean out to ~4600'. Monitor gas and water returns when applicable.

19. When wellbore is sufficiently clean, TOH and RU Pro-Technics. Run After-Frac log from 4600-3700'. RD Pro-Technics.

20. RU Blue Jet. Run Perforation Efficiency log from 4500-3800'. RD Blue Jet.

21. Squeeze to cover Ojo Alamo as necessary.

22. Rabbit and TIH with expendable check, one joint 2-3/8" tubing, standard seating nipple and remaining 2-3/8" tubing. Tag PBTD for sand fill up. If needed, circulate sand off bottom with air. Land tubing at bottom perforation. Pump off expendable check. ND BOP. NU WH. Obtain final water and gas samples and flow rates. Contact Production Operations for well tie-in. RDMO.

Recommended: _____
Production Engineer

Approved: _____ 10/24/97
Drilling Superintendent

Approved: _____
Team Leader

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	BJ Services	327-6222
RA Tag:	Pro-Technics	326-7133
Treesaver:	WSI	327-3402

JLD

San Juan 28-6 Unit #17
Pertinent Data Sheet
Lat: 36° 36.86004 min./ Long: 107° 30.74796 min.

General Well Information:

Location: 1555 FSL, 825 FWL, SW Section 31, T28N, R6W, Rio Arriba County, NM

Lease #:	SF-080430-A	DP #:	49455A
Property #:	007973200	GWI/NRI:	37.19/29.32
Current Field:	Blanco Mesaverde		
Spud:	11/4/54	Completed:	12/9/54
GL Elevation:	6636'	KB Elevation:	N/A
TD:	5660'	PBTD:	5200'

Casing Record:

Hole Size	Csg Size	Weight	Grade	Depth Set	Cmt Vol	Cmt Top
12-1/4"	9-5/8"	40 lb/ft	J-55	202'	175 sx	Circ to Surface
8-1/4"	5-1/2"	15.5 lb/ft	J-55	4960'	200 sx	4045' (Calc.)

Tubing Record:

Tubing Size	Weight	Grade	Depth Set	Number of Jts
2-3/8"	?	?	5640'	?

Formation Tops:

Ojo Alamo:	2618'	Pictured Cliffs:	3320'	Point Lookout:	5510'
Kirtland:	2662'	Mesaverde:	4960'		
Fruitland:	2998'	Menefee:	5114'		

Logging Record:

None.

Completion:

Mesaverde is an openhole completion from 4960-5660'. It was sand oil fractured from 5510-5665' with 12,735 gals diesel and 9800 lbs sand at 5 BPM. It was then sand oil fractured from 4960-5108' with 13,500 gals diesel and 13.880 lbs sand at 18 BPM.

Workover History: None.

Production History:

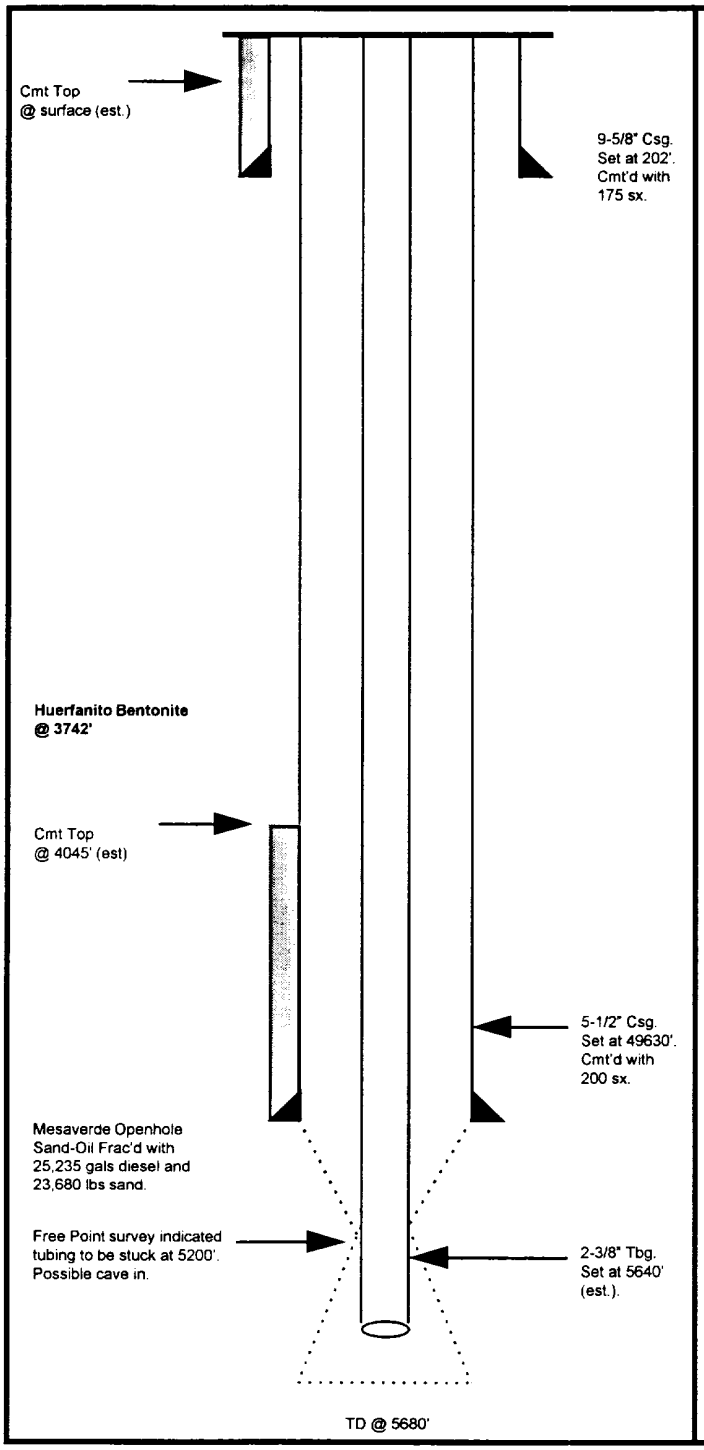
Well has been shut in since 1991 due to a tubing leak. A freepoint survey ran in June 1996 indicated the tubing is stuck at 5200'. Possible cave in. Sundry out to TA the Mesaverde with a CIBP at 4950'. Mesaverde Cum: 857.3 MMCF.

Pipeline: EPNG (Line Pressure = 260 psi)

San Juan 28-6 Unit #17

SW, Section 31, T28N, R17W
Rio Arriba County, NM

Current Schematic



Proposed Schematic