

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

Sundry Notices and Reports on Wells

1. Type of Well
GAS

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

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

4. Location of Well, Footage, Sec., T, R, M
2070' FNL, 800' FEL, Sec. 2, T-31-N, R-9-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-11059

5. Lease Number

6. State Oil & Gas Lease #
E-3150-1

7. Lease Name/Unit Name
San Juan 32-9 Unit

8. Well No.
57

9. Pool Name or Wildcat
Blanco Mesaverde

10. Elevation:

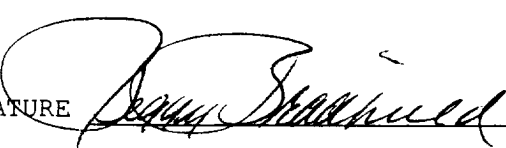
Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> 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
FEB 10 1998

OIL CON. DIV.
DIST. 3

SIGNATURE  (RGOpps) Regulatory Administrator February 9, 1998

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date FEB 16 1998

San Juan 32-9 Unit #57
Burlington Resources Oil & Gas
Lewis Payadd
Unit H-Sec 2-T31N-R09W
Lat: 36° 55.69'
Long: 107° 44.58'

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- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - Spot and fill 3 frac tanks with 2% KCl water
 - (1) 5-1/2" PKR and (2) 5-1/2" CIBP required for 5-1/2" 15.5# J-55 pipe
 - (1) 7-5/8" PKR and (1) 7-5/8" RBP required for 7-5/8" 26# J-55 pipe
 - 5200' 3-1/2" 9.3# N-80 Frac string
 - 4 joints 2-7/8" 6.5# N-80 tubing
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The well is completed in the Blanco Mesaverde (Point Lookout/Menefee/Cliffhouse) and is currently not producing. The well has been shut in since Jan 1988 and has become a BLM demand well. Cumulative production is 670 MMCF and no remaining reserves. The well has a casing leak, which will be remediated as part of the payadd. Cement will be squeezed across the hole(s) and Lewis pay will be added. The Lewis will be stimulated in one stage with a 70 Quality foam, 20# linear gel frac and 200K# sand. Foam is to be used to limit fluid damage to the Lewis and aide in flowback. The flowback choke schedule is to be used to ensure that proppant remains in the fractures.

The PL/CH/MN intervals will be cleaned out and gauged. It is intended for this well to produce out of the Lewis zone only for 6-12 months by placing a CIBP above the existing perforations. This time period will allow for analysis of the Lewis interval. If the PL/CH/MN zones are determined to be productive, these intervals will be placed on production with the Lewis, after the shut in period.

NOTE: Point Lookout perfs open 5678' - 5806'
Menefee/Cliffhouse perfs open 5310'-5328', 5486'-5504'
Tubing pressure was 0 psi on 12/19/97. Casing pressure was 193 psi at that time.
Bradenhead was flowing, when checked on 12/22/97.

1. MIRU. Record and report SI pressures on tubing, casing, and bradenhead. Blow down casing and tubing. Kill well w/ 2% KCl. ND WH, NU BOP.
2. TOOH with 2-3/8" 4.7# J-55 tubing from 5866' (187 joints) and LD. Visually inspect tubing, replace any bad joints.
3. PU 4-3/4" bit on 2-3/8" tbg and clean out to PBTD. Gauge MV production and send results in to be evaluated.
4. RU wireline unit. Wireline set 5-1/2" CIBP at 5250' to isolate the open perfs. POOH.

5. Run CBL from 5200' to surface. Send logs into engineering for evaluation. Top of cement was recorded by temperature survey at 4150'. Squeeze work may be required to isolate the Lewis. Good cement to 4240' required to continue.
6. Wireline set 7-5/8" RBP, set at 3500'. POOH. Dump 2 sxs of sand on RBP. TIH with 7-5/8" pkr on 2-3/8" tbg. Load hole, test RBP to 1000 psi, and hunt hole(s) in casing. Once hole is located, contact B. Goodwin (x-9713) to provide squeeze design. TOOH. WOC 12 hrs. Squeeze as necessary. Drill out squeeze. Test squeeze to 1000 psi.
7. TIH with retrieving head, clean out on top of and retrieve RBP. TOOH.
8. RU wireline under packoff. Perforate at the following depths with select fire HSC gun using Owen 3125-306T 12g charges (0.30" hole, 17.48" penetration), 1 SPF @ 180 degree phasing.

**4277', 4295', 4315', 4322', 4330', 4338', 4362', 4372', 4385', 4525', 4535',
4545', 4555', 4565', 4575', 4590', 4605', 4655', 4675', 4955', 4965', 4975',
4985', 4995', 5005', 5055', 5065', 5075', 5085', 5115', 5125', 5135', 5165',
5175', 5185'**
(35 total holes, 908' gross interval)
9. TIH with 5-1/2" pkr on 4 joints 2-7/8" N-80 tbg and 3-1/2" 9.3# N-80 frac string set at 5230'. Pressure test CIBP to 3000 psi. Release and reset pkr at 4130'.
10. RU stimulation company. Pressure test surface lines to 4250 psi. **Max surface pressure = 3250 psi at 5 BPM. Max static pressure = 3000 psi.** Break down first stage w/ 1000 gallons 15 % HCl and 75 RCN 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to knock off perf balls. Reset pkr at 4130'.
11. RU flowback equipment (including choke manifold) so that flowback can commence within 30 min after shutdown.
12. RU stimulation company. Test surface lines to 8500 psi. **Max surface pressure = 7500 psi at 50 BPM. Max static pressure = 3000 psi. Tubing friction pressure = 4980 psi at 50 BPM.** Fracture stimulate w/200,000# 20/40 sand in 70 Quality foam with 20# Linear gel at 50 BPM. See attached frac schedule for details. Tagging with 3 RA elements. *(3 frac tanks needed)*
13. Shut well in after frac and record ISIP. RD stimulation company. Commence flowback within 30 min after shutdown. Open well to pit, starting with a 10/64" choke. If minimal sand is being produced, change to a larger choke size (16/64"). If choke plugs off, swap choke lines, remove obstruction from choke and return to flowback. Continue increasing choke size until well is making minimal fluids and trace to no sand. Take pitot gauges when possible.

14. RD flowback equipment. TOOH, laying down 3-1/2" frac string.
15. TIH with 2-3/8" tbg and clean out to CIBP at 5215'. Pull above perms and obtain pitot gauge for the entire Lewis interval.
16. TOOH and run after frac gamma-ray log (5190'-4250').
17. 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 @ 5190'.
18. ND BOP's, NU 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.
19. Well will be flow tested for 6 months (minimum) out of the Lewis. Mesaverde will be opened up after that time based on the results of cleaning up the Mesaverde in step #3.

Recommended:  2-1-98
Production Engineer

Approved:  2/1/98
Basin Opportunities Team Leader

Approved: _____
Drilling Superintendent

Vendors:

Stimulation	Dowell	325-5096
RA Tagging	Pro-Technics	326-7133

Production Engineer: **Bobby Goodwin**
326-9713-work
564-7096-pager
599-0992-home

Steve Campbell
326-9546 -work
564-1902 -pager

Pertinent Data Sheet - San Juan 32-9 Unit # 57
H 2 T31N R09W

Location: 2070' FNL & 800' FEL, Unit H, Section 2, T31N, R09W, San Juan County, New Mexico

<u>Field:</u> Blanco Mesaverde	<u>Elevation:</u> 6482' GL 6492' KB	<u>TD:</u> 5934' <u>PBTD:</u> 5895'
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Spud Date: 4/25/58

DP #: 69956
GWl: 42.50% **NRI:** 32.86%
Lease#: E-3150-1

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
15"	10-3/4"	32.75# H-40	174'	150 sx	Circ Cmt
9"	7-5/8"	26.4# J-55	3581'	200 sx	2450' (TS)
6-3/4"	5-1/2"	15.5# J-55	3531'-5930'	250 sx	4150' (TS)

Tubing Record:

2-3/8"	4.7# J-55	5866'	187 Jts
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Formation Tops:

Ojo Alamo:	1918'	Huerfanito Bentonite	4108'
Kirtland Shale:	2052'	Cliff House	5312'
Fruitland:	2953'	Menefee	5362'
Pictured Cliffs:	3354'	Point Lookout	5673'
Lewis	3458'	Mancos	5840'

Logging Record: Gamma Ray Log, Induction Log, Temperature Survey, Micro Logging

Stimulation:

Point Lookout: Perf 5678'-5806', Frac with 55K gal water and 60K# sand
Cliffhouse/Menefee: Perf 5310'-5328', 5486'-5504', Frac with 36K gal water and 30K# sand

Workover History: None

Production History: Mesaverde from this well has cummed 670 MMCF. It has been shut in since Jan '88, and there are no reserves booked to this well.

Pipeline: El Paso Natural Gas - Gas
Giant - Oil/ Condensate

San Juan 32-9 Unit #57

Blanco Mesaverde Payadd

Unit H, Section 2, T31N, R09W

San Juan County, NM

Elevation: 6482' GL

LAT: 36 55.31'

LONG: 107 44.58'

date spud: 04-25-58

