

submitted in lieu of Form 3160-5

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

545' FSL, 510' FEL, Sec. 30, T30N, R7W

5. Lease Number
NM 012709

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 30-6 Unit

8. Well Name & Number
San Juan 30-6 Unit 9A

9. API Well No.
30-039-2190300

10. Field and Pool
Blanco MV

11. County and State
Rio Arriba Co., NM

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

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other -

13. Describe Proposed or Completed Operations

It is intended to add Lewis pay per attached procedure and well bore diagram to the subject well.

RECEIVED
JAN 12 1998
OIL CON. DIV.
DIST. 3

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

Signed Duane W. Spencer Title Regulatory Admin. Date 12/23/97

(This space for Federal or State Office use)

APPROVED BY 78/ Duane W. Spencer Title _____ Date JAN - 8 1998

CONDITION OF APPROVAL, if any:

Q

NMOC

San Juan 30-6 Unit #9A
Burlington Resources Oil & Gas
Lewis Payadd
Unit P-Sec30-T30N-R07W
Lat: 36° 46.66716'
Long: 107° 36.2778'

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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 4 frac tanks with 2% KCl water.
 - Use drill gas for all operations.
 - (2) 4-1/2" CIBP required for 4-1/2" 14# J-55 pipe.
 - (1) 4-1/2" Model 'EA' Retrieivomatic Packer
 - 4800' 3-1/2" 9.3# N-80 Frac string
 - 1500' 2-7/8" 6.5# N-80 tubing
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The well is completed in the Blanco Mesaverde (Point Lookout, Menefee, and Cliffhouse) and is currently producing 350 MCFD. Cumulative production is 2621 MMCF with remaining reserves of 1419 MMCF. The Lewis will be stimulated in two stages with a 70 Quality foam and 25# linear gel frac. Foam is to be used to limit fluid damage to the formation and aide in flowback. The flowback choke schedule is to be used to ensure that proppant remains in the fractures.

NOTE: Point Lookout perfs open: 5349' - 5743'
Menefee\ Cliffhouse perfs open: 4799' - 5236'

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 5716' (182 joints) and LD. Rabbit and strap tubing. Visually inspect tubing, note any scale. Replace any bad tubing.
3. RU wireline unit. Run gauge ring to 4800'. Wireline set 4-1/2" CIBP at 4790' to isolate the open Mesaverde perfs. POOH. TIH with 4-1/2" pkr on 2-3/8" tbg, set at 4770', pressure test to 3000 psi.
4. Close pipe rams and pressure test 4-1/2" casing down annulus to 1000 psi for 10 minutes. If casing fails hunt hole(s) while tripping out of hole. Engineering will provide squeeze design if required.
5. With hole loaded and 1000 psi, run CBL from 4900' to 3400'. Send logs into engineering for evaluation.

First Stage:

6. RU wireline under packoff. Perforate first stage at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.29" hole, 16.64" penetration), 1 SPF @ 180 degree phasing.

4405', 4410', 4415', 4440', 4445', 4450', 4465', 4475', 4485', 4500', 4510',
4535', 4540', 4565', 4575', 4580', 4610', 4620', 4640', 4650', 4670', 4680',
4705', 4710', 4720', 4725', 4740', 4745'

(28 total holes, 340' gross interval)

7. TIH with 4-1/2" pkr on 1750' 2-7/8" 6.5# N-80 tbg and 3-1/2" 9.3# N-80 frac string, set at 4250' (Note: 4-1/2" liner set at 3306').
8. RU stimulation company. Pressure test surface lines to 5700 psi. **Max surface pressure = 4700 psi at 5 BPM. Max static pressure = 3000 psi.** Break down first stage w/ 1000 gallons 15% HCl and 50 RCN 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Release pkr and TIH knocking balls below bottom perf. Reset pkr at 4300'.
9. RU flowback equipment so that flowback can commence within 30 min after shutdown.
10. RU stimulation company. Pressure test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the first stage w/ 150,000# 20/40 Arizona sand in 65,734 gal 70 Quality foam with 25# Linear gel at 30 BPM. See attached frac schedule for details. Frac will be tagged with radioactive tracers (0.4 mCi Ir-192, 0.3 mCi Sb-124, and 0.3 mCi Sc-46). (2 frac tanks needed)
11. Shut well in after frac and record ISIP. RD stimulation company. Install flowback line above frac valve. 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, shut well in and remove obstruction from choke and return to flowback. Continue increasing choke size and cleaning well up until fluid returns are low enough to allow the start of the second stage. Take pitot gauges when possible.
12. RD flowback equipment. TOOH.
13. RU wireline unit. Wireline set 4-1/2" CIBP at 4390' to isolate the first stage from the second. POOH. RD wireline unit. Pressure test CIBP to 1000 psi from surface.

Second Stage:

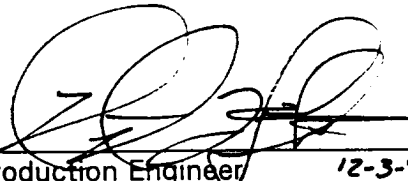
14. Under packoff, perforate second stage at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.29" hole, 16.64" penetration), 1 SPF @ 180 degree phasing.

3890', 3902', 3910', 3925', 3935', 3960', 3970', 3985', 3995', 4055', 4065',
4080', 4090', 4105', 4115', 4155', 4175', 4190', 4205', 4235', 4245', 4255',
4275', 4305', 4315', 4330', 4345', 4355'

(28 total holes, 465' gross interval)

15. TIH with 4-1/2" pkr on 2-3/8" tbg set at 3740'. Pressure test CIBP to 3000 psi.
16. RU stimulation company. Pressure test surface lines to 5700 psi. **Max surface pressure = 4700 psi at 5 BPM. Max static pressure = 3000 psi.** Break down second stage w/1000 gallons 15% HCL and 50 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Release pkr and TIH knocking balls below bottom perf. TOOH.
17. TIH with 4-1/2" pkr on 1500' 2-7/8" 6.5# N-80 tbg and 3-1/2" 9.3# N-80 frac string, set at **3800'**. RU flowback equipment so that flowback can commence within 30 min after shutdown.
18. RU stimulation company. Pressure test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the second stage w/ 150,000# 20/40 Arizona sand in 66,091 gal 70 Quality foam with 25# Linear gel at 30 BPM. See attached frac schedule for details. Frac will be tagged with radioactive tracers (0.4 mCi Ir-192, 0.3 mCi Sb-124, and 0.3 mCi Sc-46). (2 frac tanks needed)
19. Shut well in after frac and record ISIP. RD stimulation company. Install flowback line above frac valve. 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, shut well in and remove obstruction from choke and return to flowback. Continue increasing choke size and cleaning well up until fluid returns are negligible. Take pitot gauges when possible.
20. RD flowback equipment. TOOH.
21. TIH w/ 3-7/8" bit on 2-3/8" tubing and clean out to CIBP at 4390'. Pull above perfs and obtain pitot gauge on upper Lewis interval. Drill up CIBP (minimum mist rate of 12 BPH), clean out to 4790'. Clean up to minimal water and trace to no sand. Obtain pitot gauge on the entire Lewis interval.
22. Drill up CIBP (minimum mist rate of 12 BPH) at 4790', clean out to PBTD (5769'). Clean up to minimal water and trace to no sand. TOOH.
23. When wellbore is sufficiently clean, TOOH and run after frac gamma-ray log (4760'-3850') and perf efficiency log (5750'-3850')
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 @ 5745'.
25. 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.

San Juan 30-6 Unit #9A
Burlington Resources Oil & Gas
12/03/97

Recommended: 
Production Engineer 12-3-97

Concur: 
Basin Opportunities Team Leader 12/5/97

Approved: 
Drilling Superintendent 12/10/97

Vendors:

Wireline	Basin	327-5244
Stimulation	Dowell	325-5096
RA Tagging	Pro-Technics	326-7133

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

Pertinent Data Sheet - San Juan 30-6 Unit # 9A

P 30 T30N R07W

Location: 545' FSL & 510' FEL, Unit P, Section 30, T30N, R07W, Rio Arriba County, New Mexico

Field: Blanco Mesaverde

Elevation: 6289' GL
6297' KB

TD: 5787'

PBTD: 5769'

Spud Date: 05/28/79

DP #: 69734

GWl: 38.05% **NRI:** 31.04%

Prop#: 0023422

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>
13-3/4"	9-5/8"	36# K-40	217'	224 cf	Circ Cmt
8-3/4"	7"	20# K-55	3447'	148 cf	2300' (TS)
6-1/4"	4-1/2"	10.5# K-55	3306'-5787'	438 cf	3310'

Tubing Record:

2-3/8"	4.7# J-55	5716'	182 Jts
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Formation Tops:

Ojo Alamo:	1920' (est)	Huerfanito Bentonite	3853'
Kirtland Shale:	2080' (est)	Cliff House	4921'
Fruitland:	2730' (est)	Menefee	4978'
Pictured Cliffs:	3000' (est)	Point Lookout	5331'
Lewis	3120' (est)		

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

Stimulation:

Point Lookout: Perf 5349'-5743', Frac with 169K gal water and 84K# sand
Menefee\ Cliffhouse: Perf 4799'-5236', Frac with 114K gal water and 57K# sand

Workover History: Flow controllers (Fisher), 3 stage separator installed Feb 1997

Production History: Mesaverde in this well has an EUR of 4.040 BCF, CUM 2.621 BCF, REM 1.419 BCF and is producing at 250 MCFD.

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

San Juan 30-6 Unit #9A

Blanco Mesaverde Payadd

Unit P, Section 30, T30N, R07W

Rio Arriba County, NM

Elevation: +6289' GL

LAT: 36 48.66716'

LONG: 107 36.2778'

date spud: 06-04-79

