

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

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY</p> <hr/> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1050' FNL 900' FWL, Sec. 32, T-30-N, R-6-W, NMPM, Rio Arriba County</p>	<p>API # (assigned by OCD) 30-039-22313</p> <p>5. Lease Number</p> <p>6. State Oil&Gas Lease # E-347-23</p> <p>7. Lease Name/Unit Name San Juan 30-6 Unit</p> <p>8. Well No. 14A</p> <p>9. Pool Name or Wildcat Blanco Mesaverde</p> <p>10. Elevation:</p>
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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 -	

13. Describe Proposed or Completed Operations

It is intended to add the Lewis to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
DEC 22 1998
OIL CON. DIV.
DIST. 12

SIGNATURE  (BLG) Regulatory Administrator December 21, 1998

TLW

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date JAN - 4 1999

San Juan 30-6 Unit # 14A
Burlington Resources Oil & Gas
Lewis Payadd
Unit D - Sec 32 - T30N - R06W
Lat: 36° 45.86'
Long: 107° 29.35'

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- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Hold Safety Meetings.** Place fire safety equipment in strategic locations.
 - Spot and fill 4 frac tanks with 4% KCl water.
 - Use drill gas for all operations.
 - **(1) 4-1/2" CIBP** required for 4-1/2" 10.5# K-55 pipe.
 - **(1) 4-1/2" Model 'EA' Retreivamatic Packer**
 - **3400' 3-1/2" 9.3# N-80 Frac string**
 - **4 jts 2-7/8" 6.5# N-80 tubing**
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The well is completed in the Blanco Mesaverde (CH/MN/PL) and is currently producing 100 MCFD. Cumulative production is 621 MMCF with remaining reserves of 532 MMCF. The Lewis will be stimulated in one stage with a 70 Quality foam, ClearFRAC and 200K#. 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.

NOTE: Cliffhouse/Menefee perms open 5608' – 5908'
Point Lookout perms open 5984' - 6366'

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 6356' (212 joints, SN @ 6323') and LD. Visually inspect tubing, replacing any bad joints.
3. RU wireline unit. Run 4-1/2" gauge ring to 5350'. Wireline set 4-1/2" CIBP at 5340' to isolate the open Mesaverde perms. POOH. TIH w/2-3/8" tbg and 4-1/2" pkr, set at 5320', pressure test to 3000 psi. Spot 500 gal 15% HCl and load hole with 2% KCl. TOOH. Test to 1000 psi from surface. With hole loaded and 1000 psi, run CBL from 5320' to liner top @ 4049'. Send logs in to B. Goodwin.

Lewis:

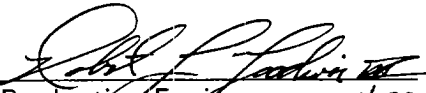
4. RU wireline under packoff. Perforate at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.29" hole, 16.64" penetration), 1 SPF @ 180 degree phasing.

4555', 4565', 4575', 4610', 4620', 4635', 4712', 4757', 4810', 4825',
4845', 4895', 4905', 4960', 4970', 4985', 5015', 5030', 5060', 5075',
5220', 5235', 5250' (23 total holes, 695' gross interval)

5. TIH with 4-1/2" pkr on 2-3/8" tbg set at 4400'.
6. RU stimulation company. Test surface lines to 4500 psi. **Max surface pressure = 3350 psi at 5 BPM. Max static pressure = 3000 psi.** Break down first stage w/ 1000 gallons 15% HCl and 50 7/8" 1.3 SG ball sealers. Release pressure, RD stimulation company. Lower pkr to 5270' to knock off perf balls. TOOH.
7. TIH with 4-1/2" pkr on 4 jts 2-7/8" 6.5# N80 tbg and 3-1/2" 9.3# N80 frac string. Set pkr at 4070'. RU flowback equipment so that flowback can commence within 30 min after shutdown.
8. RU stimulation company. Test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate the first stage w/ 200,000# 20/40 Arizona sand in 70 Quality foam with ClearFRAC at 40 BPM. (Estimated pressure drop due to friction in the wellbore is 4019 psi at 40 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)*
9. 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.
10. RD flowback equipment. TOOH.
11. TIH w/3-7/8" bit on 2-3/8" tbg and clean out to CIBP at 5340'. Pull above perms and obtain pitot gauge for the Lewis.
12. Drill up CIBP (minimum mist rate of 12 BPH), clean out to PBTD (6463'). Clean up to minimal water and trace to no sand. Obtain combined pitot gauge.
13. 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 @ 6356'.
14. 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.
15. After frac log will be run after rig moves off location.

San Juan 30-6 Unit # 14A
Burlington Resources Oil & Gas
12/14/98

Recommend:


Production Engineer 12-14-98

Approved:


Basin Opportunities Team Leader

Approved:

Drilling Superintendent

Vendors:

Wireline	Black Warrior	326-6669
Stimulation	Dowell	325-5096
RA Tagging	Pro-Technics	326-7133

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

San Juan 30-6 Unit # 14A

Blanco Mesaverde Payadd

Unit D, Section 32, T30N, R06W

Rio Arriba County, NM

Elevation: 6868' GL

LAT: 36 45.86'

LONG: 107 29.35'

date spud: 05-24-80

