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

5. **Lease Number**
SF-078439

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

7. **Unit Agreement Name**

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

RECEIVED
MAR - 3 1999
OIL CON. DIV.
DIST. 3

8. **Well Name & Number**
Johnston Federal #2A

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

9. **API Well No.**
30-045-21640

4. **Location of Well, Footage, Sec., T, R, M**
890'FNL 1740'FWL, Sec.33, T-31-N, R-9-W, NMPM
C

10. **Field and Pool**
Blanco Mesaverde

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

13. **Describe Proposed or Completed Operations**

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

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

Signed Peggy Bradfield Title Regulatory Administrator Date 2/22/99

TLW

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title Lead Petroleum Engineer Date MAR - 1 1999
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Johnston Federal #2A
Lewis Shale Payadd Procedure
C 33 31N 09W
San Juan County, NM
Latitude: 36 Deg., 51.56 Min
Longitude: 107 Deg., 47.30 Min.

Summary:
The subject well is a 1999 Lewis Shale payadd in 7" and 4-1/2" casing. This well was drilled in 1975 and was completed in the Point Lookout and Cliffhouse intervals. The Pt. Lookout interval was stimulated w/ approximately 50,000 lbs. total sand and 50,000 gal. total slickwater. The Cliffhouse interval was stimulated w/ approximately 50,000 lbs. total sand and 50,000 gal. total slickwater and placed on production. The Lewis will be perforated and fracture stimulated in one (1) stage with 136,964 total gal. of 75Q N_2 foamed "Clearfrac" fluid and 200,000 lbs. total 20/40 mesh sand. The new stimulation technique will test the viability of "Clearfrac" and a single stage stimulation within the Lewis Shale interval. The well will then be cleaned-up, tubing landed in the Mesaverde and placed on production.

Comply to all NMOCD, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. Notify BR regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job and after CBL is run. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims. Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.

- Inspect location and wellhead and install rig anchors prior to rig move.
- Construct blow pit.

1. MOL, hold safety meeting and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Set four (4) 400 BBL frac tank and fill w/ 4% KCL. Blow well down and kill well w/ 4% KCL water as necessary. ND wellhead and NU 7-1/16" 3M BOP, stripping head and blooie line. Operationally test BOP.

2. TOOH w/ approximately 173 jts. 2-3/8" Mesaverde tubing set at +/- **5385'** and stand back. Inspect tubing and replace bad tubing as necessary**.

   ****NOTE:** If existing tbg. is scaled-up, contact production engineer and a scale analysis will be run. This will determine if we will pump acid down the 2-3/8" 4.7# J-55 workstring and acid wash perforations across the Point Lookout and Cliffhouse interval.

3. RU wireline. RIH w/ 4-1/2" gauge ring and check wellbore for obstructions to PBTD @ **5565'**. POOH.**

   ****NOTE:** If obstructions are encountered, PU 3-7/8" bit and 4-1/2" 10.5# csg. scraper on 2-3/8" 4.7# J-55 workstring and CO to PBTD @ **5565'**. TOOH

4. TIH w/ CIBP, on-off tool, 4-1/2" fullbore prk and approximately 142 jts 2-3/8" 4.7# J-55 workstring and tubing set CIBP @ +/- **4420'****. Set pkr @ +/- **3145'**. Load hole down tubing w/ 25 bbls 10% Acetic Acid + 5% NH_4CL*** for perforating. RU stimulation company. Pressure test surface lines to **4800** psi. Pressure test CIBP to **3800** psi (80% of burst in 4-1/2" 10.5# csg). RD stimulation company. TOOH w/ workstring and standback.

   ** Tie into GR-Ind log.

   *** All Acid to contain the following additives/ 1000 gal:

1000 gal	10%	Acetic Acid
2 gal	MSA II	corrosion inhibitor
5%	NH_4CL	clay control

Johnston Federal #2A
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5. RU wireline company w/ packoff and pump-in tee. RIH w/ CCL** on top of perforating guns. Perforate the entire Lewis Shale interval with 3-1/8" Hollow Steel Carrier Select Fire guns w/ HSC-3125-306T charges. These are 12 gram charges with a 0.30" hole and 17.48" penetration. Shoot 48 holes top down at the following depths: **3856', 3858', 3860', 3867', 3871', 3875', 3963', 3965', 3967', 4003', 4005', 4008', 4011', 4025', 4028', 4031', 4033', 4133', 4135', 4137', 4139', 4141', 4178', 4181', 4183', 4185', 4187', 4189', 4192', 4194', 4196', 4269', 4271', 4273', 4275', 4277', 4279', 4307', 4310', 4313', 4316', 4318', 4366', 4369', 4371', 4373', 4375', 4377'**. RD wireline company.

** Tie into GR-Ind log.

6. TIH w/ 4-1/2" fullbore pkr and 119 jts. 2-3/8" 4.7# J-55 fracstring and set @ +/- **3700'**. RU stimulation company. Pressure test surface lines to **4800** psi. Breakdown perforations @ 6-8 BPM w/ tbg. volume of 4% KCL (approximately 14 BBL). Displace w/ 300 gal. of 10% Acetic Acid + 5% NH_4CL** dropping ninety-six (96) 7/8" 1.1 SG RCN balls evenly displaced through acid. Displace acid w/ approximately 25 BBL of 2% KCL to bottom perforation. Balloff to maximum pressure of **3800** psi (80% of burst in 4-1/2" 10.5# csg). Record breakdown pressure, ball action and ISIP. Release pkr and knock ball off of perforations.

** All Acid to contain the following additives/ 1000 gal:

1000 gal	10%	Acetic Acid
2 gal	MSA II	corrosion inhibitor
5%	NH_4CL	clay control

7. TOOH w/ 4-1/2" fullbore pkr and approximately 119 jts. 2-3/8" 4.7# J-55 workstring. Stand back workstring and laydown pkr.

8. Pick-up 4-1/2" fullbore, 2 jts. 2-7/8" 6.4# N-80 **BUTTRESS**, 2-7/8" N-80 **BUTTRESS** X 3-1/2" 8rd changeover swage and 99 jts. 3-1/2" 9.3# N-80 fracstring. Set pkr @ +/- **3145'**. Load annulus w/ 88 BBL 4%KCL.

9. RU stimulation company to frac down fracstring and 4" frac valve. Hold pre-job safety meeting with all personnel on location. Pressure test surface lines to **7000** psi prior to stimulation.

10. Fracture stimulate in 0.5 to 3.0 ppg stages @ 40 BPM constant downhole rate with 136,964 gal. of 75Q N_2 foamed "Clearfrac" fluid and 200,000 lbs. 20/40 mesh sand. When sand concentration begins to drop. Call flush. Flush to top perf @ +/- **3856'**. Refer to frac schedule enclosed. Maximum bottomhole treating pressure is **3800** psi (80% of burst in 4-1/2" 10.5# csg). Estimated friction pressure is approximately **3223** psi @ **40** BPM. Maximum surface treating pressure is **6000** psi. **Leave csg. valve open and monitor annulus pressure in treating van.**

11. Record ISIP, 5, 10 and 15 shut-in pressure. Shut-in frac valve. RD stimulation company. Install flowback line above frac valve. Lay flowback line to dual-choke manifold and pit. Begin flowback after stimulation company has rigged down from frac valve. Open well to pit on accordance to flowback schedule listed in the table below. Do not shut well in during flowback. When schedule dictates a larger choke size, open ball valve upstream of adjustable choke and open adjustable choke on manifold to pre-determined size listed in table and begin flowing through adjustable choke. Close ball valve upstream of positive flow bean and change out flow bean to next larger size in table. Open ball valve upstream of positive flow bean and begin flowing. Close ball valve upstream of adjustable choke and close adjustable choke.

Johnston Federal #2A
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16/64" Choke	**From Shut-in – Until 2/3 of flush volume has been recovered (Approximately 31 BBL).**
10/64" Choke	**Approximately 2 hrs.**
12/64" Choke	**Approximately 2 hrs.**
14/64" Choke	**Approximately 2 hrs.**
16/64" Choke	**Approximately 3 hrs.**
18/64" Choke	**Approximately 3 hrs.**
20/64" Choke	**Approximately 3 hrs.**
22/64" Choke	**Approximately 3 hrs.**
24/64" Choke	**Approximately 3 hrs.**
32/64" Choke	**Approximately 3 hrs.**

12. After well cleans up and pressures allow, release pkr and TOOH laying down 99 jts. 3-1/2" 9.3# N-80, 3-1/2" 8rd X 2-7/8" N-80 **BUTTRESS** changeover swage, 2 jts. 2-7/8" 6.4# N-80 **BUTTRESS** frac string, and 4-1/2" fullbore pkr.

13. TIH w/ 3-7/8" flat mill on 2-3/8" 4.7# J-55 workstring and clean-up to CIBP @ +/- **4420'** with air/mist. When well is sufficiently clean, gauge the Upper Lewis interval for one (1) hour. Obtain an accurate pitot gauge for the Upper Lewis interval.

14. Drill out CIBP @ +/- **4420**' w/ 3-7/8" flat mill on 2-3/8" workstring. Use minimum mist rate of 10-12 BPH. CO to PBTD @ **5565'****. TOOH w/ 2-3/8" 4.7# J-55 workstring and stand back. Lay down 3-7/8" flat mill.

****NOTE:** If tbg. was scaled-up, acid wash the existing Cliffhouse and Point Lookout perforations w/ treatment specified by service company.

15. Broach in tubing on sandline. TIH w/ one joint of 2-3/8" 4.7# J-55 tubing w/ expendable check, seating nipple, then remaining 2-3/8" production tubing. Land tubing @ **5349'**.

16. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain a 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, RD and MOL.

Approve: _____ 2/1/99
Team Leader

Approve: _____ 2/13/99
Drilling Superintendent

Recommend: Steve Campbell 2/1/99
Production Engineer

VENDORS:

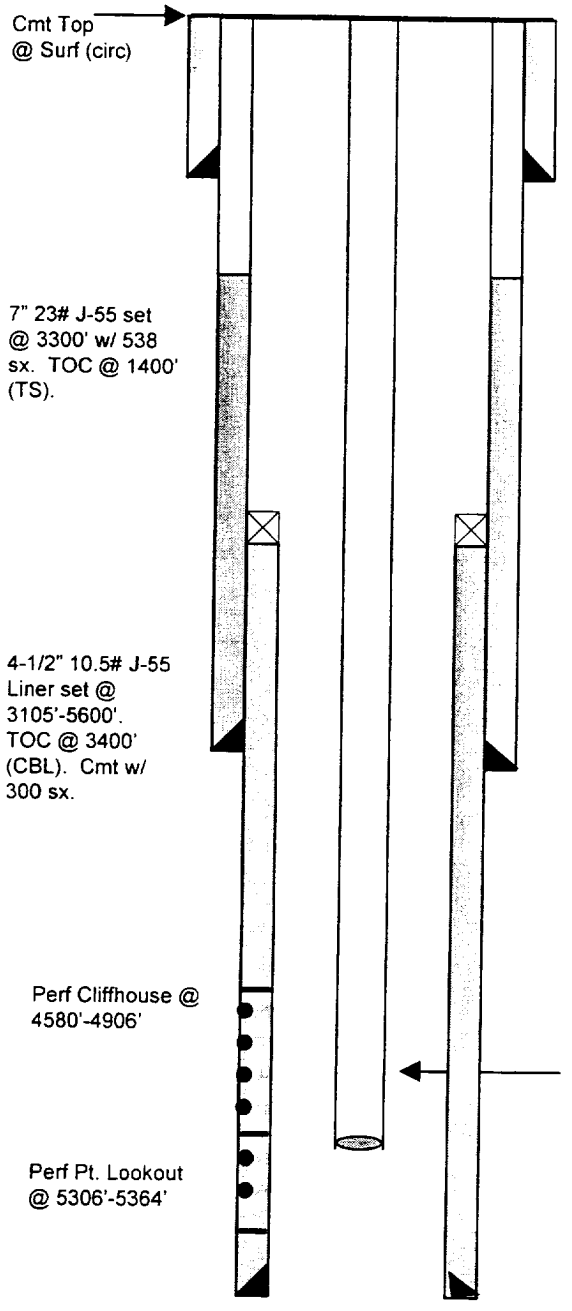
Wireline:	Schlumberger	325-5006
Stimulation:	Dowell	325-5096
Packer:	Arrow Completion Systems	326-5141
Bridge Plug:	Arrow Completion Systems	326-5141
Flat Mill:	Arrow Completion Systems	326-5141

Steve Campbell	Home 325-8218	Office 326-9546	Pager 564-1902
Glen Christiansen	Home 327-5089	Office 326-9733	Pager 324-7562
Hans Dube	Home 564-9401	Office 326-9555	

Johnston Federal #2A

Unit C, Section 33, T31N, R09W
San Juan County, NM

Current Schematic



Formation Tops at:

Ojo Alamo	N/A
Pictured Cliffs	N/A
H. Bentonite	3768'
Cliffhouse	4574'
Menefee	4909'
Pt. Lookout	5238'

Proposed Schematic