

# BURLINGTON RESOURCES

SAN JUAN DIVISION

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OIL CON. DIV.  
DIST. 3

July 31, 1998

New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Att: Mr. Roy Johnson

Dear Mr. Johnson:

This is an application for variance to Rule 107 Section J. We intend to workover and drill additional hole in the following wells in the Pictured Cliffs formation, run 3 1/2" casing and cement, and run no tubing.

Pipkin #4	NE Section 18, T-27-N, R-10-W	30-045-06556
Huerfanito Unit #49	NE Section 35, T-27-N, R-9-W	30-045-06155
Huerfanito Unit #25	SE Section 4, T-26-N, R-9-W	30-045-05998
Huerfanito Unit #24	SW Section 4, T-26-N, R-9-W	30-045-06030
Huerfano Unit #47	NE Section 9, T-26-N, R-9-W	30-045-05971
McConnell #2	SE Section 13, T-26-N, R-9-W	30-045-05816
McConnell #3	NE Section 13, T-26-N, R-9-W	30-045-05854

In addition, we intend to workover the following Pictured Cliffs wells which currently have 3 1/2" casing. We will stimulate and fracture treat these wells, and will run no tubing back in the wells.

Summit B #5	NW Section 33, T-29-N, R-11-W	30-045-60273
Whitley #1	NW Section 17, T-27-N, R-9-W	30-045-06531
Aztec #6	SE Section 14, T-28-N, R-11-W	30-045-07393
Mangum #3	SE Section 28, T-29-N, R-11-W	30-045-07810
Atlantic C #8	NE Section 31, T-31-N, R-10-W	30-045-20137
Florance #8	✓ NW Section 20, T-30-N, R-9-W	30-045-20462
Pierce #9	NW Section 7, T-30-N, R-9-W	30-045-20475
Sunray B #7	SW Section 15, T-30-N, R-10-W	30-045-20846
Sunray A #5	SE Section 10, T-30-N, R-10-W	30-045-20894
Summit #7	SE Section 34, T-29-N, R-11-W	30-045-21530

These tubingless completions are desirable as they allow Burlington to economically produce reserves from the tight, low pressure Pictured Cliffs formation. Significant cost savings are realized using this method. The 3 1/2" casing string will allow the wells to produce at a higher rate than can be realized through smaller tubulars, and also carry less risk during any subsequent workover operations.

Mr. Roy Johnson  
New Mexico Oil Conservation Division  
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All the listed wells meet the following criteria:

- are in proven fields
- are less than 5000' total depth
- do not have corrosive or pressure problems
- are not dual completions
- will not produce any liquids or condensate (dry gas only)

Attached is a pertinent data sheet and wellbore schematic for each well. Please let me know if you require any additional information for these wells.

Sincerely,

BURLINGTON RESOURCES



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD - Aztec District Office

**McConnell # 3**  
**Pertinent Data Sheet**

**RECEIVED**  
AUG 3 1998

**OIL CON. DIV.**  
**DIST. 3**

**API #:** 300450585400

**Location:** 1753 ' FNL & 1850 ' FEL, Unit G, Section 13, T26N, R09W, San Juan County, New Mexico

**Latitude:** 36 ° - 29.42 '      **Longitude:** 107 ° - 44.27 '

**Field:** Ballard PC

**Elevation:** 6,276 ' GL  
6,286 ' KB

**TD:** 2,062 '  
**PBTD:** 2,052 '

**Spud Date:** 3/12/56

**Compl Date:** 3/21/56

**DP #:** 51020A  
**Lease:** NM 4113 U300

**Initial Potential:** 1124 Mcfd

**Original SIP:** 650 psi

**GWI:** 67.5 %  
**NRI:** 50.709375 %  
**Prop#:** 12615800

**Casing Record:**

<u>Hole Size (In.)</u>	<u>Csg Size (In.)</u>	<u>Wt. (#'s) &amp; Grade</u>	<u>Depth Set (Ft.)</u>	<u>Cement (Sx.)</u>	<u>Cement (Top)</u>
13 3/4	9 5/8	25.4 J-55	133	100	circ to surf
8 3/4	5 1/2	15.5 J-55	1,991	150	1140' (TS)
4 3/4	openhole		1,991 -2,062		

**Tubing Record:**

<u>Tbg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u># Joints</u>	<u>Comments</u>
1 1/4"	2.3 J-55	2,044 '	97	

**Formation Tops:**

Ojo Alamo: 1,204 ' All Tops are estimated  
Kirtland Shale: 1,311 '  
Fruitland: 1,703 '  
Pictured Cliffs: 1,998 '

**Logging Record:**

**Original Stimulation:** SWF w/ 36,374 gal wtr and 60,000# sd

**Workover History:** None

**Production History:** 5/98 PC capacity: 4.0 MCF/D. 5/98 PC cum: 1019.0 MMCF.

**Pipeline:** EPNG

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# McConnell # 3

Section 13 G, T-26 -N R-09 -W  
San Juan, New Mexico

## Ballard Pictured Cliffs Field Wellbore Schematic

Cmt Top  
circ to surf @ Surf (circ)

### CURRENT

Elevation 6,276' GL 6,286' KB

### PROPOSED

9 5/8" 25.4# J-55 Casing  
Set @ 133'  
Cmt'd w/ 100 sx

1 1/4" 2.3# J-55  
Set @ 2,044'  
97 Jts.

5 1/2" 15.5# J-55 Casing  
Set @ 1,991'  
Cmt'd w/ 150 sx

SWF w/ 36,374 gal wtr and  
60,000# sd

Top of Ojo Alamo @ 1,204'

Top of Kirtland @ 1,311'

Top of Fruitland @ 1,703'

Top of Pictured Cliffs @ 1,998'

3 1/2" 9.2# J-55  
Casing Set @ 2,148'  
Cmt to Surf.

Perf & Foam Frac  
1,991 - 2,144'  
Frac with 150,000#  
20/40 sand

PBTD @ 2,052'  
TD @ 2,062'

PBTD @ ≈ 2,144'  
TD @ ≈ 2,148'

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**

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

850' FNL 1800' FWL, Sec. 20, T-30-N, R-9-W, NMPM

Lease Number  
SF-07816-A

If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Florance #8

API Well No.  
30-045-20462

10. Field and Pool

Blanco Pictured Cliffs

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

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Restimulate

13. Describe Proposed or Completed Operations

It is intended to restimulate the Pictured Cliffs formation of the subject well in the following manner:

Move in rig up. Pull 1 1/4" tubing. Clean out the plug back total depth at 2824'. Acidize and foam fracture treat the Pictured Cliffs zone. Clean out and return well to production.

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

Signed John W. Spencer (MDWPC) Title Regulatory Administrator Date 7/31/98

TLW

This space for Federal or State Office use)

APPROVED BY /S/ Duane W. Spencer Title

Date

AUG 1, 1998

CONDITION OF APPROVAL, if any:

NMOCD

**Florance # 8**  
**Pertinent Data Sheet**

**API #:** 300452046200

**Location:** 850 ' FNL & 1800 ' FWL, Unit C, Section 20, T30N, R09W, San Juan County, New Mexico

**Latitude:** 36 ° - 48.12 '      **Longitude:** 107 ° - 48.34 '

**Field:** Blanco PC

**Elevation:** 6,078 ' GL  
6,088 ' KB

**TD:** 2,834 '

**PBTD:** 2,824 '

**DP #:** 52275A

**Lease:** NM 105300

**GWI:** 100 %

**NRI:** 81.5 %

**Prop#:** 72249500

**Spud Date:** 4/20/69

**Compl Date:** 6/30/69

**Initial Potential:** 1750 Mcfd

**Original SIP:** 698 psi

**Casing Record:**

<u>Hole Size (In.)</u>	<u>Csq Size (In.)</u>	<u>Wt. (#'s) &amp; Grade</u>	<u>Depth Set (Ft.)</u>	<u>Cement (Sx.)</u>	<u>Cement (Top)</u>
12 1/4	8 5/8	24 K-55	230	190	circ to surf
6 3/4	2 7/8	6.4 J-55	2,834	215	1756' @ 75% eff.

**Tubing Record:**

<u>Tbg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u># Joints</u>	<u>Comments</u>
1 1/4"	2.3 IJ	2,758 '	86	

**Formation Tops:**

Ojo Alamo: 1,512 '  
Kirtland Shale: 1,628 '  
Fruitland: 2,451 '  
Pictured Cliffs: 2,770 '

**Logging Record:** IEL,DENS,TS

**Original Stimulation:** Perf'd 2771-83' w/2 SPF, SWF w/ 30,000 gal wtr and 7,500# 10/20 sand

**Workover History:**

**Production History:** 5/98 PC capacity: 34.0 MCF/D. 5/98 PC cum: 902.0 MMCF.

**Pipeline:** EPNG

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# Florance # 8

Section 20 C, T-30 -N R-09 -W  
San Juan, New Mexico

## Blanco Pictured Cliffs Field Wellbore Schematic

