

# BURLINGTON RESOURCES

SAN JUAN DIVISION

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.

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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

**Whitley # 1**  
**Pertinent Data Sheet**

**API #:** 300450653100

**Location:** 1650 ' FNL & 990 ' FWL, Unit E, Section 17, T27N, R09W, San Juan County, New Mexico

**Latitude:** 36 ° - 34.64 '      **Longitude:** 107 ° - 48.99 '

**Field:** Fulcher Kutz PC

**Elevation:** 6,383 ' GL  
6,393 ' KB

**TD:** 2,412 '

**PBTD:** 2,410 '

**DP #:** 85705

**Lease:** 020293T

**GWI:** 25 %

**NRI:** 21 %

**Prop#:** 0-020293

**Spud Date:** 6/1/50

**Compl Date:** 6/30/50

**Initial Potential:** 460 Mcfd

**Original SIP:** ? psi

**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> |
|------------------------|-----------------------|------------------------------|------------------------|---------------------|---------------------|
| 12 1/4                 | 8 5/8                 | 24 J-55                      | 92                     | 35                  | circ to surf        |
| 7 7/8                  | 5 1/2                 | 14 J-55                      | 2,297                  | 95                  | 1738' @ 75% eff.    |
| 4 3/4                  | 3 1/2                 | 6.9 J-55                     | 2,412                  | 115                 | 741' @ 75% eff.     |

**Tubing Record:**

| <u>Tbg. Size</u> | <u>Wt. &amp; Grade</u> | <u>Depth Set</u> | <u># Joints</u> | <u>Comments</u> |
|------------------|------------------------|------------------|-----------------|-----------------|
| 1"               | 1.7 Line Pipe          | 2,348'           | 118 est         |                 |

**Formation Tops:**

Ojo Alamo: 1,364' All Tops are Estimated  
Kirtland Shale: 1,513'  
Fruitland: 2,064'  
Pictured Cliffs: 2,303'

**Logging Record:**

**Original Stimulation:** Original: SOH w/245 qts SNG, Restim: Perf'd 2306-10, 2319-25, 2330-56 w/2 SPF, SWF w/30,870 gal wtr, 8,920# 10/20 & 19,940# 20/40 sd, Post Workover gauge: 1673 Mcfd

**Workover History:** 5/4/66: 3-1/2 Restim (see above Stimulation)

**Production History:** 5/98 PC capacity: 30 MCF/D. 5/98 PC cum: 1,232 MMCF.

**Pipeline:** WFS

File: Q:\area\pcteam\1998\welldata\restim\RSTMPERT

# Whitley # 1

Section 17 E, T-27 -N R-09 -W  
San Juan, New Mexico

## Fulcher Kutz Pictured Cliffs Field Wellbore Schematic

