

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 <b>BURLINGTON RESOURCES</b> OIL &amp; GAS COMPANY</p> <hr/> <p>3. Address &amp; 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 990' FSL 1650' FWL, Sec.2, T-26-N, R-9-W, NMPM, San Juan County</p>	<p>API # (assigned by OCD) 30-045-06004</p> <p>5. Lease Number</p> <p>6. State Oil&amp;Gas Lease # B-11122-2-NM</p> <p>7. Lease Name/Unit Name  Huerfanito Unit</p> <p>8. Well No. 17</p> <p>9. Pool Name or Wildcat Ballard Pictured Cliff</p> <p>10. Elevation:</p>
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Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" 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 type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure.

**RECEIVED**  
JAN 19 1999  
OIL CON. DIV.  
DIST. 3

SIGNATURE  (KLM1) Regulatory Administrator January 15, 1999

TLW

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR DIST. #3 Date JAN 21 1999

## PLUG AND ABANDONMENT PROCEDURE

01/11/99

### Huerfanito Unit #17

Ballard Pictured Cliffs

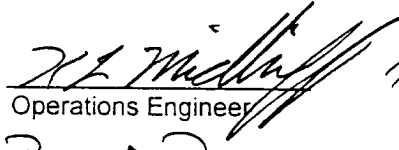
990' FSL and 1650' FWL, Sec. 2, T26N, R9W

San Juan County, New Mexico

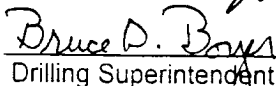
Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Burlington safety rules and regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 52 joints 2.9# 1-1/2" EUE tubing (1725'); visually inspect the tubing. If necessary LD tubing and PU workstring.
4. **Plug #1 (Pictured Cliffs open hole interval and Fruitland top, 2043' - 1700')**: Set 5-1/2" wireline cement retainer at 1750'. TIH with tubing and sting into retainer. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Sting into retainer then mix and pump 54 sxs Class B cement, squeeze 48 sxs below retainer into open hole to isolate PC interval and to cover Fruitland top; then spot 6 sxs above retainer. POH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 1400' - 1145')**: Perforate 3 HSC squeeze holes at 1400'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 1350'. Establish rate under retainer into squeeze holes. Mix 111 sxs Class B cement, squeeze 75 sxs cement outside 5-1/2" casing and leave 36 sxs cement inside casing to cover Ojo Alamo interval. POH and LD tubing.
6. **Plug #3 (8-5/8" Casing Shoe at 102')** Perforate 3 HSC squeeze holes at 152'. Establish circulation out bradenhead valve. Mix and pump approximately 50 sxs Class B cement down 5-1/2" casing from 152' to surface, circulate good cement out bradenhead valve. Shut in well and WOC.
7. ND BOP and cut off well head below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Recommended:

 1/11/99  
Operations Engineer

Approval:

  
Drilling Superintendent

1-12-99