

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

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
990' FSL, 990' FEL, Sec.16, T-26-N, R-10-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-05829

5. Lease Number

6. State Oil&Gas Lease #
B-11512-6-NM

7. Lease Name/Unit Name
Huerfano Unit

8. Well No.
#117

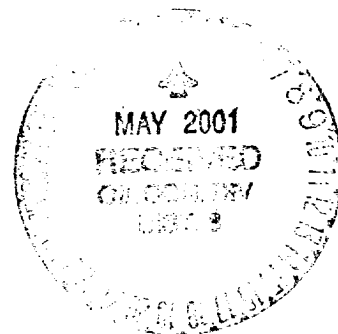
9. Pool Name or Wildcat
Basin Dakota

10. Elevation:

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

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



SIGNATURE *James Case* Regulatory Supervisor May 2, 2001

TLW

(This space for State Use)

ORIGINAL SIGNED BY James Case

DEPUTY OIL & GAS INSPECTOR James Case

MAY - 3 2001

Approved by _____ Title _____ Date _____

PLUG AND ABANDONMENT PROCEDURE

4/30/01

Huerfano Unit 117

AIN 5041001

Basin Dakota

990' FSL & 990' FEL, Section 16, T26N, R10W

San Juan County, New Mexico API 30-045-05829

Long: 36° 29.01' / Lat: 107° 53.72'

Project Summary: The Huerfano Unit 117 was spud in 1960 as a Dakota well. The well last produced in 1996. Cumulative production is 2,834 MMCF and 41 MSTB. This well on the BLM demand list to either return to production or P&A. It is not economical to attempt to return to this well to production. Production Operations recommends that this well be plugged and abandoned.

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. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and/or test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Burlington safety rules and regulations. ND wellhead and NU BOP, test BOP.
2. Pull seal assembly from Model D packer at 6605', straight pickup. TOH and tally 210 joints 2-3/8" tubing, 6611'. Visually inspect tubing, if necessary LD and PU workstring. Round-trip 5-1/2" gauge ring or casing scraper to 6572', or as deep as possible.
3. **Plug #1 (Dakota perforations and top, 6572' – 6465'):** Set 5-1/2" wireline CIBP or CR at 6572'. TIH with open ended tubing and tag CIBP. Load casing with water and establish circulation. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as necessary. Mix 18 sxs cement and spot a balanced plug inside casing above the CIBP to isolate Dakota perforations. PUH to 5713'.
4. **Plug #2 (Gallup top, 5610' – 5510'):** Mix 17 sxs cement and spot a balanced plug inside casing to cover the Gallup top. TOH with tubing.
5. **Plug #3 (Mesaverde top, 3578' – 3478'):** Perforate 3 HSC squeeze holes at 3578'. If casing tested, then establish rate into squeeze holes. Set a 5-1/2" retainer at 3528'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix 60 sxs cement, squeeze 43 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover Mesaverde top. TOH with tubing.
6. **Plug #4 (Chacra top, 3025' – 2925'):** Perforate 3 HSC squeeze holes at 3025'. If casing tested, then establish rate into squeeze holes. Set a 5-1/2" retainer at 2975'. Establish rate into squeeze holes. Mix 60 sxs cement, squeeze 43 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover the Chacra top. TOH with tubing.
7. **Plug #5 (Pictured Cliffs and Fruitland tops, 2145' - 1805'):** Perforate 3 HSC squeeze holes at 2145'. If casing tested, then establish rate into squeeze holes. Set a 5-1/2" retainer at 2085'. Establish rate into squeeze holes. Mix 191 sxs cement, squeeze 146 sxs cement outside 5-1/2" casing and leave 45 sxs cement inside casing to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.
8. **Plug #6 (Kirtland and Ojo Alamo tops, 1300' – 1055'):** Perforate 3 HSC squeeze holes at 1300'. If casing tested, then establish rate into squeeze holes. Set a 5-1/2" retainer at 1250'. Establish rate into squeeze holes. Mix 138 sxs cement, squeeze 105 sxs cement outside 5-1/2" casing and leave 33 sxs cement inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.

9. **Plug #7 (9-5/8" surface casing, 390' - Surface):** Perforate 3 HSC holes at 390' and establish circulation out bradenhead. Mix and pump approximately 160 sxs cement down the 5-1/2" casing, circulate good cement to surface. Shut in well and WOC.
10. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended:

Michetti 5-1-1
Operations Engineer

Approval:

Bruce J. Boyer 5-1-01
Drilling Superintendent

Contacts: Operations Engineer

Joe Michetti
Pager: 564-7187
Office: 326-9764

Sundry Required: YES/NO

Approved:

Gregory Cole 5-1-01
Regulatory Approval

Huerfano Unit #117

Current

AIN 5041001

Basin Dakota

SE, Section 16 T-26-N, R-10-W, San Juan County, NM

API #30-045-05829

Lat: 36° 29.01' / Long: 107° 53.72'

Today's Date: 4/30/01

Spud: 12/20/60

Completed: 1/23/61

Elevation: 6582' GL
6502' KB

13-3/8" hole

Casing Leak
Squeezed,
unknown interval.

Ojo Alamo @ 1105'

Kirtland @ 1250'

Fruitland @ 1855'

Pictured Cliffs @ 2085'

Chacra @ 2975'

Mesaverde @ 3528'

Gallup @ 5560'

Dakota @ 6515'

9-5/8" 32.5#, J-55 Casing set @ 340'
Cmt w/350 sxs (Circulated to Surface)

Well History

Apr '64: Repair Casing Leak: TOH with tubing. Ran inspection log. Set BP at 6552' and FBP at 910'. Pump into hole 4 bpm at 2000#. Sqz'd with 100 sxs, P/T okay. Drilled out BP and cleaned out. Set Baker Packer Model "D" at 6605'. Landed 210 jts 2-3/8" tubing at 6611'.

2-3/8" Tubing set at 6611'
(210 joints with a Model D set at 6605')

TOC @ 4939' (Calc, 75%)

DV Tool @ 5381'
Cmt with 80 sxs (149 cf)

TOC @ 5428' (Calc, 75%)

Model D Packer @ 6605'

Dakota Perforations:
6622'-6654'

5-1/2" 17#/15.5#, J-55 Casing set @ 6785'
Cement with 330 sxs (457 cf)

8-3/4" hole

PBTD 6710'

TD 6789'

Huerfano Unit #117

Proposed P&A

AIN 5041001

Basin Dakota

SE, Section 16 T-26-N, R-10-W, San Juan County, NM

API #30-045-05829

Lat: 36° 29.01' / Long: 107° 53.72'

Today's Date: 4/30/01

Spud: 12/20/60

Completed: 1/23/61

Elevation: 6582' GL
6502' KB

13-3/8" hole

Ojo Alamo @ 1105'

Kirtland @ 1250'

Fruitland @ 1855'

Pictured Cliffs @ 2085'

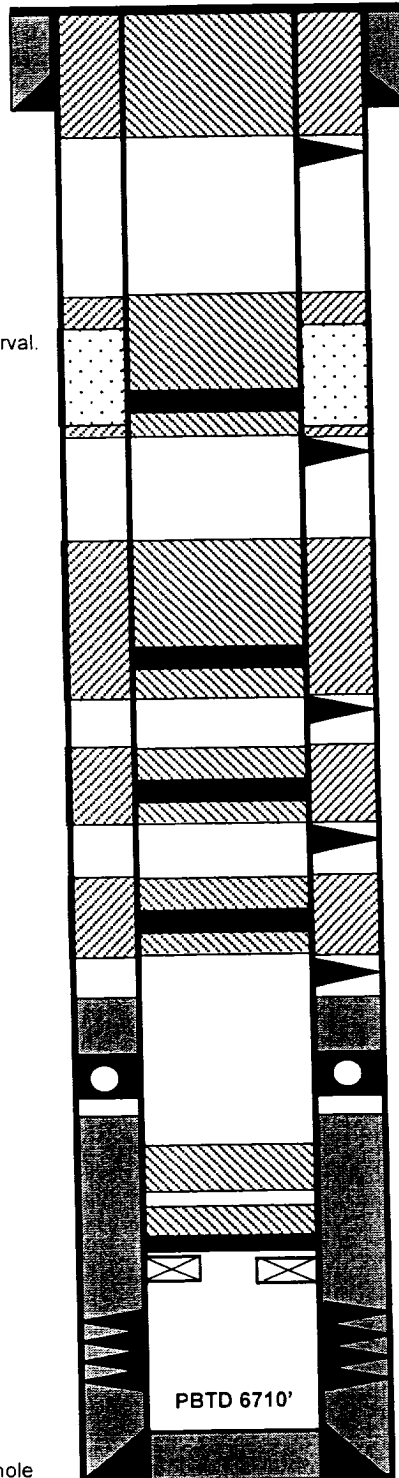
Chacra @ 2975'

Mesaverde @ 3528'

Gallup @ 5560'

Dakota @ 6515'

Casing Leak
Squeezed,
unknown interval.



8-3/4" hole

TD 6789'