

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY</p> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M 1650' FSL 1650' FEL, Sec. 30, T-27-N, R-10-W, NMPM</p>	<p>5. Lease Number SF-077384</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name Huerfano Unit</p> <p>8. Well Name & Number Huerfano Unit #118</p> <p>9. API Well No. 30-045-21322</p> <p>10. Field and Pool Basin Fruitland Coal</p> <p>11. County and State San Juan Co, NM</p>
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12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input checked="" 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 plugback the Dakota formation and recomplete in the Fruitland Coal 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 *Regulatory Administrator* (PMP) Title Regulatory Administrator Date 2/16/99
TLW

(This space for Federal or State Office use)

APPROVED BY */s/ Duane W. Spencer* Title Regulatory Administrator Date MAR - 9 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.

NMOC

District I
PO Box 1930, Hobbs, NM 88241-1930

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-1
Revised February 21, 1993
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-21322	Pool Code 71599/71629	Pool Name Basin Dakota/Basin Fruitland Coal
Property Code 7141	Property Name HUERFANO UNIT COM	Well Number 118
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 5981'

10 Surface Location



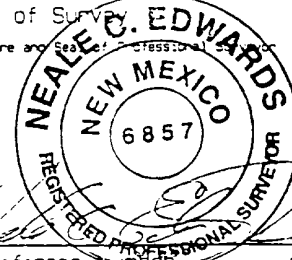
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	30	27N	10W		1650	SOUTH	1650	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres DK: E/320 FTC: S/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

15 *NOT RESURVEYED* PREPARED FROM A PLAT BY RUSSELL H. MCNEACE DATED 2-8-60 RECEIVED MAR 10 1999 OIL CON. DIV. DIST. 3 30 1650' 1650'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2-25-99 Date 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. FEBRUARY 18, 1999 Date of Survey  Signature and Seal of Professional Surveyor  Certificate Number 6857
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HOLD C104 FOR NSL 

HUERFANO UNIT #118 FRTC
Recompletion Procedure
J 30 27 10
San Juan County, N.M.
Lat-Long: 36-32.61" - 107-55.97"

PROJECT SUMMARY: Plugback this 1973 vintage Dakota well that has been plagued by casing leaks in the Cliffhouse to the FRTC and foam frac.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. If necessary, kill well w/water.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 6087' and pressure test tbg to 3000 psi. TOH w/2-3/8" tbg (6119') and Baker Loc-set pkr (4340').
3. Run 4-1/2" csg scraper on 2-3/8" tbg to 6074'. TOH. Run 4-1/2" cmt retainer on 2-3/8" tbg and set @ 6074'. Sq DK perms w/35 sx cl "G" cmt. This will fill inside the pipe from 6310' to 6074' w/100% excess cmt. Sting out of ret and spot 5 sx cmt on top of cmt ret @ 6074'. Reverse out cmt.
4. PU to 5206' (50' below top of Gallup). Spot 12 sx cmt. This will cover inside 4-1/2" csg 50' above and below top of Gallup.
5. PU to 3247' (50' below top of MV). Spot 12 sx cmt. This will cover inside 4-1/2" csg 50' above and below top of MV. TOH.
6. MI Blue Jet. Set 4-1/2" CIBP @ 1900' on wireline. Pressure test 4-1/2" csg and CIBP to 1000 psi. Run CBL from 1900' (stg tool @ 1916') to top of cmt in 4-1/2" csg and an advanced integrated data processed GSL neutron log 1900'-1300' and correlate to attached open hole log. Pressure csg to 1000 psi if necessary to see bond. Hot-shot logs to Mike Pippin (326-9848) so perms can be picked.
7. TIH w/2-3/8" tbg open ended and spot 170 gal 15% HCL acid 1636'-1390'
All acid on this well to contain the following additives per 1000 gal:

2 gal	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	Surfactant
0.5 gal	Clay Master-5C	clay control
8. Using GSL log, Perf about 50' of FRTC w/2 spf from about 1636' to 1390'. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees. Average perf dia. = 0.48". Average penetration is 18" in Berea.
9. Fill 3 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 538 bbls.
10. TIH w/4-1/2" pkr on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental frac string (run 2 jts 2-3/8" N-80 on top of pkr) and set 200' above top perf. W/ 500 psi on annulus, breakdown and attempt to balloff FRTC perms w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #7.

HUERANO UNIT #118 FRTC - RECOMPLETE TO FRTC WELL

Max. pressure is 4550 psi. Lower pkr to 1640' to knock off perf balls. Reset pkr 50' above top perf.

11. Frac FRTC down frac string w/75,000 gals. of 70 quality foam using 20# gel as the base fluid and 150,000# 20/40 Arizona sand. Pump at 40 BPM. Monitor bottom hole and surface treating pressures, rate, foam quality, and sand concentration with computer van. Sand to be tagged w/ 3 RA isotope tracers. Max. pressure is 6000 psi and estimated treating pressure is 4036 psi. Pipe friction @ 40 BPM is 3206 psi. Treat per the following schedule:

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	15,000	5,000	---
1.0 ppg	10,000	3,000	10,000
2.0 ppg	20,000	6,000	40,000
3.0 ppg	20,000	6,000	60,000
4.0 ppg	10,000	3,000	40,000
Flush	(328)	(98)	0
Totals	75,000	22,500	150,000#

Treat frac fluid w/the following additives per 1000 gallons:

- * 20# J-48 (Guar Gel mix in full tank - 16,000 gal)
- * 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
- * 1.0# GWW-3 (Enzyme Breaker mix on fly)
- * 1.0# B - 5 (Breaker mix on fly)
- * 3.0 gal Fracfoam I (Foamer mix on fly)
- * 0.38# FracCide 20 (Bacteriacide mix on full tank)

12. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible.** TOH w/pkr.
13. TIH w/notched collar on 2-3/8" tbg and C.O. to 1700' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.**
14. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log and perf eff log from 1700'-1300'.
15. TIH w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 1700'. When wellbore is sufficiently clean, land tbg @ 1620' KB. **Take final water and gas rates.**
16. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended: *[Signature]* 1/29/99
Production Engineer

Approved: *[Signature]* 2/1/99
Drilling Superintendent

Approved: *[Signature]* 2/1/99
Team Leader

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133

PMP

HUERFANO UNIT #118 FRTC

UNIT J SECTION 30 T27N R10W
SAN JUAN COUNTY, NEW MEXICO

