

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

660' FNL, 660' FWL, Sec. 19, T-28-N, R-10-W, NMPM

5. Lease Number
SF-065546A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Brink #2

9. API Well No.
30-045-07381

10. Field and Pool
Basin Fruitland Coal/
Fulcher Kutz Pict. Cliff

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 - Pay add

13. Describe Proposed or Completed Operations

It is intended to add pay to the Fruitland Coal formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
DEC 13 1997

OIL CON. DIV.
DIST. 8

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

Signed Duane W. Spencer (PMPOps) Title Regulatory Administrator Date 11/24/97

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title _____ Date DEC - 8 1997

CONDITION OF APPROVAL, if any:

NMOC

BRINK #2 FRTC
~~Pay Add~~ Recompletion Procedure
D 19 28 10
San Juan County, N.M.
Lat-Long: 36-39.19 - 107-56.60

PROJECT SUMMARY: Add additional FRTC pay and frac.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 psi BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 1-1/4" tbg @ 1838' and test tbg to 3000 psi. TOH w/1-1/4" tbg. Run 3-1/2" 7.7# csg scraper on 1-1/4" tbg to 1895'. C.O. to 1895' w/air/mist, if necessary. TOH.
3. Run 3-1/2" ret BP on 1-1/4" tbg and set @ 1700'. Load hole w/1% KCL water. TOH. Adapt 3-1/2" csg to accommodate MB isolation tool (WSI). MI Basin. Run a CBL from 1700' to top of cmt and correlate to attached open hole log. Pressure to 1000 psi if necessary to show bonding. Hot-shot log to Mike Pippin (326-9848) so perfs can be picked below top of cmt. Run 3-1/2" AD-1 pkr on 2 jts 1-1/4" tbg to protect wellhead and pressure test 3-1/2" csg to 2500 psi. TOH. TIH w/retrieving tool on 1-1/4" tbg and retrieve BP @ 1700'. TOH.
4. TIH w/1-1/4" tbg open ended and spot 130 gal 15% HCL acid across proposed FRTC perfs @ 1894'-1562'. TOH.
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
5. Perf FRTC w/4 spf @ 1894'-84', 1888'-84', 1796'-94', 1674'-72', 1620'-18', 1514'-12'. Total 88 holes. Perf w/2-1/2" Retrievable tbg gun 11 gr RTG-2500-302 Owen charges phased at 180 degrees which make a 0.34" hole & 14.6" of penetration in concrete. If unable to get to PBTD 1895', run 1-1/4" tbg and C.O. to 1895' w/air/mist.
6. 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 718 bbls.
7. TIH w/3-1/2" AD-1 pkr w/1.43" ID sliding sleeve on 1-1/4" tbg and set @ 1810'. W/1000 psi on backside, breakdown FRTC perfs w/2000 gal. 15% HCL acid. Use same acid additives as in step #4. Max. pressure is 3000 psi. TOH.
9. Install MB isolation tool. Frac FRTC down 3-1/2" csg w/100,000 gals. of 70 quality foam using 30# gel as the base fluid and 200,000# 20/40 Arizona sand. Pump at 45 BPM. Monitor bottomhole 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 2500 psi and estimated treating pressure is 1900 psi. Treat per the following schedule:

BRINK #2 FRTC - PAYADD TO FRTC WELL

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	20,000	6,000	---
1.0 opg	20,000	6,000	20,000
2.0 opg	20,000	6,000	40,000
3.0 ppg	20,000	6,000	60,000
4.0 ppg	20,000	6,000	80,000
Flush	(576)	(173)	0
Totals	100,000	30,000	200,000#

Shut well in for 4 hours to allow gel to break.

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

- * 30# 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 (Bactericide mix on full tank)

10. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible.**
11. TIH w/notched collar on 1-1/4" tbg and C.O. to 1895' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.**
12. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log and perf eff log from 1895'-1500'.
13. TIH w/1-1/4" 2.4# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 1895'. When wellbore is sufficiently clean, land tbg @ 1850' KB. **Take final water and gas samples and rates.**
14. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:  11/20/97
Production Engineer

Approved:  11/23/97
Drilling Superintendent

Approved: 
Team Leader

VENDORS:

Pkr & RBP	Baker	325-0216
Wireline:	Basin	327-5244
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133
Csg Adapter	WSI	327-4502

PMP

Pertinent Data Sheet - BRINK #2 FRTC

D 19 28 10

Location: 660' FNL & 660' FWL, Unit D, Section 19, T28N, R10W, San Juan County, New Mexico

Field: Basin Fruitland Coal

Elevation: 5890' GL
KB=N/A

TD: 2030'
PBTD: 1895'
Lease#: Fed. SF-065546A
DP #: 6555B
GWl: 25.00%
NRI: 20.34%
Prop#: 0020250A1

Spud Date: 4/3/36

Completion Date: 5/15/36
100% SRC TRUST

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
N/A	12-1/2"	50# Chester	69'	6 sx	N/A
e 7-7/8"	6-5/8"	e20# N/A	1909'	40 sx	1551'@75% Eff.
4-3/4"	3-1/2"	7.7# N/A	2030"	200 sx	454'@ 75% Eff.

Tubing Record:

1-1/4"	2.4# J-55 EUE	1870'	61 Jt
	S.N. @	1838'	

Formation Tops:

Ojo Alamo:	740'
Kirtland Shale:	927
Fruitland:	1624
Pictured Cliffs:	1897'

Logging Record: GRN (53), GRN (65), GRN (92), After Frac GR (92)

Stimulation: 1936: TD 2065'.

Workover History: 9/9/53: C.O. to 2065' w/4-3/4" bit. Shot open hole (1980'-2025') w/190 qts.

3/26/65: Ran 3-1/2" 7.7# csg to 2030'. Sq holes in Fruitland w/20 sx cmt. Cmt'd csg w/200 sx cmt. Perfed PC 1897'-1934 w/2 spf & fraced w/20,000# sand in water.

11/7/92: Set CIBP @ 1895'. Pressure test csg & BP to 3100 psi-OK. Perfed FRTC w/2 spf @ 1726'-40', 1770'-72', 1784'-88' & fraced w/50,000# sand in 70Q foam. ATP=1950 psi. ATR=30 bpm.

Production History: PC 1st delivered 5/36. PC cum = 1,712 MMCF. FRTC 1st delivered 9/9/93. FRTC cum = 5 MMCF. Current FRTC capacity = 0 MCF/D. See attached FRTC production curve.

Pipeline: Williams Field Service

BRINK #2 PC

UNIT D SECTION 19 T28N R10W
SAN JUAN COUNTY, NEW MEXICO

