### UNITED STATES

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Sundry Not	ices and Reports on Well	s	
		5.	Lease Number
1. Type of Well GAS		6.	
		7.	Unit Agreement Name
2. Name of Operator  RIPLINGTON			
RESOURCES	& GAS COMPANY	Q	Well Name & Number
3. Address & Phone No. of Opera			Cleveland #220
PO Box 4289, Farmington, NM			API Well No. 30-045-272 <del>93</del> 29
4. Location of Well, Footage, S 850'FNL, 1470'FEL, Sec.21, T			Field and Pool Basin Fruitland Coa County and State San Juan Co, NM
12. CHECK APPROPRIATE BOX TO IN			DATA
Type of Submission _X_ Notice of Intent	Type of Act Abandonment Recompletion	cion Change of Pla New Construct	
Subsequent Report	Plugging Back	Non-Routine   Water Shut o	Fracturing
Final Abandonment	_X_ Altering Casing _X_ Other - Stimulate	_ Conversion to	o Injection
13. Describe Proposed or Comp	leted Operations		
	cement 4 1/2" casing in rocedure and wellbore di ted and fracture treated	agram. The Frui	
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14. I hereby certify that the signed flagry Shuahued	foregoing is true and o		ator_Date 10/29/97

#### CLEVELAND #220 FRTC Workover Procedure B 21 27 9

San Juan County, N.M. Lat-Long: 36.565491 - 107.789261

**PROJECT SUMMARY:** Run and cmt 4-1/2"csg inside 7" csg in this FRTC well that was drilled and completed open hole in 1989. The FRTC will then be perfed and foam fraced.

- Comply to all NMOCD, BLM, and MOI rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 BOP w/flow tee and stripping head. NU blooie line and 2-7/8" relief line.
- 2. TOH w/2-3/8" tbg and 7" A-1 PKR. TIH w/6-1/4" bit on 2-3/8" tbg and C.O. w/air/mist to new TD 2140'. Run an advanced integrated data processed GSL neutron log from 2140' to 1800' and correlate to CBL log. Hot-shot log to Mike Pippin 326-9848 to pick perfs.
- 3. Run 4-1/2" 10.5# K-55 csg to 2140' w/4' sub (shoe jt) w/notched collar on bottom. Land csg in tbg head. Top of donut cut to 4-1/2" 8rd **Notify P&M.**
- 4. Cement w/123 sx 65-35 Cl "G" POZ (226 cf) w/6% gel, 2% CaCl2, 1/4 pps cellophane, and 5#/sx Gilsonite. Tail w/51 sx Cl "B" (60.2 cf) w/2% CaCl2 w/5 pps Gilsonite. This is 100% excess for the open hole and 0% excess in the new csg. WOC overnight.
- 5. Run GR-CCL and coorelate to neutron log. Pressure test csg to 3800 psi. Perf about 40' of FRTC w/2 spf from ~1952' to ~2116' as per Mike Pippin (326-9848). Perf using 3-1/8" hollow steel carrier guns loaded w/Owen 3125306P HSC 12 gm. charges phased at 180 degrees. Average perf dia. = 0.30". Average penetration is 17.48" in Concrete.
- 6. TIH w/4-1/2" pkr and tbg tester on 2-3/8" tbg and set @ 1700'. Pressure test tbg to 4700 psi. Break down and attempt to balloff FRTC perfs w/2000 gal 15% HCL and 150% excess perf balls. Max pressure = 4550 psi. Lower pkr to 2130' to knock off balls.
- 7. Spot and fill 3-400 bbl. frac tanks w/1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel and one tank is for breakdown water. Usable gel water required for frac is 466 bbls.
- 8. Install MB isolation tool. Frac FRTC down 4-1/2" csg w/64,000 gals. of 70 quality foam using 30# gel as the base fluid and 130,000# 20/40 Arizona sand. Pump at 55 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, and sand concentration with computer van. Sand to be tagged w/ 3 tracers. Max. pressure is 3800 psi and estimated treating pressure is 2600 psi. Treat per the following schedule:

	Foam Vol.	Gel Vol.	Sand Vol.
<u>Stage</u>	<u>(Gals.)</u>	<u>(Gals.)</u>	<u>(lbs.)</u>
Pad	14,000	4,200	
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	20,000	6,000	60,000
4.0 ppg	10,000	3,000	40,000
Flush	(1,293)	(388)	0
Totals	64,000	19,200	130,000#

Shut well in after frac for six hours in an attempt to allow the 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# GVW-3 (Enzyme Breaker mix on fly)

\* 1.0# B - 5 (Breaker mix on fly)

\* 5.0 gal Fracfoam I (Foamer mix on fly)

\* 0.38# FracCide 20 (Bacteriacide mix on full tank)

- 9. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
- 10. Remove MB isolation tool. TIH w/notched collar on 2-3/8" tbg and C.O. to 2130'. Monitor gas and water returns and take pitot gauges when possible.
- 11. When wellbore is sufficently clean, TOH and run after frac gamma-ray log from 2130'-1600'.
- 12. Install KTH attachment spool (to hang 2-3/8" tbg). TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom and again cleanout to 2130'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 2050' KB. <u>Take final water and gas samples and rates.</u>

13. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:\_

Production Engineer

Team Leader

Approve:

Approve:

Drilling Superintendent

**VENDORS**:

 Wireline:
 Blue Jet
 325-5584

 Fracturing:
 BJ
 327-6662

 RA Tagging:
 Pro-Technics
 326-7133

 Cmt
 BJ
 327-6662

**PMP** 

#### Pertinent Data Sheet - CLEVELAND #220 FRTC

Location: 850' FNL & 1470' FEL, Unit B, Section 21, T27N, R09W, San Juan County, New Mexico

Field: Basin Fruitland Coal Elevation: 6218' GL TD: 2098' 10' KB PBTD: 2098'

10 KB <u>PB1D.</u> 2090

**Lease:** Fed: NM-011393

**GWI:** 100% **NRI:** 85.00% **Prop#:** 012632901

Initial Potential: Pitot = 40 MCF/D

#### Casing Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	<u>Cement</u>	Cement (Top)
12-1/4"	9-5/8"	32.3# H-40	239'	177 cf.	Circ 8 Bbl Cmt
8-3/4"	7"	20# K-55	1934'	531 cf.	920' - CBL

#### Tubing Record:

Tbg. Size	Wt. & Grade	Depth Set	
2-3/8"	4.7# J-55	1992'	61 Jts
	A-1 PKR @	1892'	

## **Formation Tops:**

Ojo Alamo: 1210' Kirtland Shale: 1340' Fruitland: 1860'

Logging Record: CBL

Stimulation: Open Hole Natural

Workover History: 12/11/90: Perf 2 holes @ 900' & sq w/250 cf cmt & circ out bradenhead. Drill cmt &

CO to 2098' & pressure test to 750 psi - OK. Reran tbg.

7/2/94: Ran A-1 pkr on 2-3-8" tbg & set @ 1892'. Complete temp. aband.

<u>Production history:</u> Well was never 1st delivered to pipeline. Currently TA status. SIBHP = 501 psi. Line pressure = 129 psi.

pressure – 125 psi.

Pipeline: EPNG

## **CLEVELAND #220 FRTC**

UNIT B SECTION 21 T27N R9W SAN JUAN COUNTY, NEW MEXICO

