# UNITED STATES

| DEPARTMENT | OF   | THE  | INTERIOR |
|------------|------|------|----------|
| BUREAU OF  | T.AT | ID M | NAGEMENT |

|  |  | 5.                             | Lease Number                                  |
|--|--|--------------------------------|---|
| L. <b>Type of Well</b><br>GAS  |  | 6.                             | SF-078439<br>If Indian, All. or<br>Tribe Name |
|  |  | 7.                             | Unit Agreement Nam                            |
| 2. Name of Operator  |  | , •                            | onic Agreement Nam                            |
| RESOURCES OIL  | & GAS COMPANY  |                                |   |
| . Address & Phone No. of Opera   | utor   | 8.                             | Well Name & Number                            |
| PO Box 4289, Farmington, NM  |  | 9.                             |   |
| . Location of Well, Footage, S   | Sec., T, R, M  | 10.                            | 30-045-28124<br>Field and Pool                |
| 2255'FSL, 1065'FWL, Sec.33,  | T-31-N, R-9-W, NMPM  |                                | Basin Fruitland Co                            |
| -  |  | 11.                            | County and State<br>San Juan Co, NM           |
| 2. CHECK APPROPRIATE BOX TO IN   | DICATE NATION OF MOREON  | DEBORM OFFI                    | Dama.   |
| Type of Submission   | Type of Act  |                                | DATA  |
| $_{\mathtt{X}}^{\mathtt{X}}$ Notice of Intent  | _X_ Abandonment  | _ Change of Pla                | ans   |
| Subsequent Report  | Recompletion<br>Plugging Back  | _ New Construct                |   |
| Subsequent Report  | Plugging Back<br>Casing Repair   | Non-Routine I<br>Water Shut of | 3   |
|  |  |                                |   |
| Final Abandonment  |  |                                |   |
| Final Abandonment  | Altering CasingOther -   |                                |   |
|  | Altering Casing<br>Other -   |                                |   |
| 3. Describe Proposed or Comp   | Altering CasingOther -   | Conversion to                  | Injection                                     |
|  | Altering Casing Other -  leted Operations  d abandon the subject we lbore diagram.   | Conversion to                  | Injection                                     |
| 3. Describe Proposed or Comp  It is intended to plug an                                    | Altering Casing Other -  leted Operations  d abandon the subject we  | Conversion to                  | Injection                                     |
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### PLUG AND ABANDONMENT PROCEDURE

1-30-97

#### Johnston Federal #28

Basin Fruitland Coal 2255' FSL, 1065'FWL NW Sec. 33, T31N, 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.

- Install and test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and BROGC 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 2-3/8" tubing (101 joints, 3169'); visually inspect the tubing. If necessary, PU 2" workstring. Round-trip 7" wireline gauge ring to 2627'.
- 4. Plug #1 (Fruitland Coal perforations and 5" liner top, 3136'- 2620'): PU 7" cement retainer and RIH; set 2670'. RIH with tubing and stinger. Pressure test tubing to 1000#. Establish rate into Fruitland Coal perforations. Mix and pump 87 sxs Class B cement, squeeze 77 sxs cement below retainer into Fruitland Coal perforations and leave 10 sxs cement above retainer to cover Fruitland Coal top and 5" liner top. POH to 2062'.
- 5. Plug #2 (Kirtland and Ojo Alamo tops. 2062' 1931'): Mix 34 sxs Class B cement and spot balanced piug inside casing over Ojo Alamo top. POH to 432'.
- 6. Plug #3 (Surface): Establish circulation out casing valve. Mix and pump approximately 81 sxs Class B cement inside casing from 432' to surface, circulate good cement out casing valve. POH and LD tubing. 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: 2/8/97
Operations Engineer

Approval: Drilling Superintendent

## Johnston Federal #28

Proposed P&A DPNO 24507A

Basin Fruitland Coal NW Section 33, T-31-N, R-9-W, San Juan County, NM

Long: / Lat:

Today's Date: 1/30/97 Spud: 7/11/90 Completed, 12/27/90 Elevation: 6362' (GL) Logs. CNL, CBL-GR Workovers: None

12-1/4" Hole

Cement Circulated to Surface

9-5/8" 34#&36# Csg set @ 382' Omt w/ 81 sxs (Circulated to Surface)

Plug #3 432" - Surface Cmt with 81 sxs Class B

Plug #2 2062' -1931' Cmt w/34 sxs Class B

Plug #1 3136' - 2620' Cmt with 87 sxs Class B. 77 sxs below retainer and 10 sxs above.

Ojo Alamo @ 1981'

Kirtland @ 2012'

Cmt Retainer @ 2670'

5" Liner Top @ 2720' Cmt circulated liner top, (CBL)

7" 23#, K-55 Casing @ 2939' Cemented with 420 sxs (Circulated)

Fruitland Coal Perforations: 2982' - 3080' 3114' - 3136'

8-3/4" hole

Fruitland Coal @ 2955'

Pictured Cliffs @ 3210'

6-1/4" Hole PBTD 3196

TD 3240'

5" 18# S-95 liner set @ 3239' Cmt w/100 sxs

## Johnston Federal #28

Current -- 4/28/97 DPNO 24507A

Basin Fruitland Coal

NW Section 33, T-31-N, R-9-W, San Juan County, NM

Long: / Lat:

Today's Date: 1/30/97 Spud: 7/11/90 Completed: 12/27/90 Elevation, 33321 (GL) Logs: CNL, CBL-GR Workovers None

Cament Circulated to Surface 9-5/8" 34#&36# Csg set @ 382' Cmt w/ 81 sxs (Circulated to Surface) 12-1/4" Hole

Ojo Alamo @ 1981'

Kirtland @ 2012

2-3/8" Tubing (101 jts, EUE, 4.6#) Set at 3169

8-3/4" hole

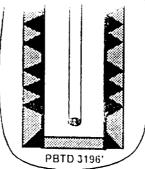
6-1/4" Hole

5" Liner Top @ 2720' Cmt circulated liner top. (CBL)

7" 23#, K-55 Casing @ 2939' Cemented with 420 sxs (Circulated)

Fruitland Coal Perforations: 2982' - 3080' 3114' - 3136'

Fruitland Coal @ 2955'



5" 18# S-95 liner set @ 3239' Cmt w/100 sxs

Pictured Cliffs @ 3210'

TD 3240'