

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  
860' FNL 1525' FWL, Sec. 3, T-30-N, R-8-W, NMPM

5. Lease Number  
NM-010468

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Howell J #4A

9. API Well No.  
30-045-21660

10. Field and Pool  
Blanco Mesaverde

11. County and State  
San Juan Co, NM

**RECEIVED**  
OCT 19 1998

**OIL CON. DIV.**  
**DIST. 3**

## 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"/> 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 checked="" type="checkbox"/> Other - TDT Logging |
|  | <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 run a TDT log on the subject well according to the attached procedure and wellbore diagram.

OCT 19 1998  
OCT 19 1998

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

Signed Thomas K. Herbert (BG) Title Regulatory Administrator Date 9/29/98  
TLW

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title \_\_\_\_\_ Date OCT 15 1998

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**

# BURLINGTON RESOURCES

Date: 9/23/98

## Howell J # 4A TDT Logging Procedure

### General Well Data:

**Well Name:** Howell J # 4A  
**Location:** C Sec. 3, T30N, R08W  
**County, State:** San Juan County, New Mexico  
**Formation:** Pictured Cliffs

**LAT:** 36° 50.69'  
**LONG:** 107° 39.94'

### Project Overview:

This well is part of the 1999 TDT logging program. This program consists of 18 wells in the north east quarter of the basin that will be logged with Schlumberger's cased hole TDT tool. This tool will provide useful information to be used to evaluate the Pictured Cliffs formation in areas where there is little or no modern wireline control through the PC. The results of this program will help define the PC Extension play in the future.

1. MIRU. Blow down <sup>casing</sup> ~~well~~. Kill well with 2% KCl. ND WH. NU BOP.
2. Pick up 2-3/8" tbg and tag PBTD at 5681'. TOOH (SN @ 5613'). Visually inspect.
3. RU wireline unit. Run 7" gauge ring to top of liner at 3213'. POOH with gauge ring.
4. TIH with 7" RBP. Set RBP in 7" casing at 3200'. Load hole with 50 Bbls 2% KCl. TOOH.
5. RU Schlumberger to run TDT log. Log from 3190' to 2190'. POOH.
6. TIH with retrieving tool on 2-3/8" tbg and unload hole. Engage RBP and TOOH.
7. If there is fill, TIH with 2-3/8" <sup>RBP</sup> tbg and clean out to PBTD. TOOH.
8. Run production tbg string as follows: expendable check, one joint 2-3/8" tubing, 1.78" seating nipple, and the remainder of the tubing.
9. ND BOP. NU WH. Pump off expendable check. Run broach on sandline. If well will not flow on its own, make a swab run to the seating nipple. RD and MOL. Return well to production.

Recommend:

  
Production Engineer 9-23-98

Approval:

 9/23/98  
Regional Engineer

 9-29-98  
Drilling Superintendent

Bobby Goodwin

326-9713 office

564-7096 pager

599-0992 home

## Howell J # 4A

Unit C, Sec. 3, T30N, R08W

860 FNL, 1525 FWL

San Juan County, NM

GL: 6208' KB: 6215'

SPUD: 4/18/75

### Surface Casing:

9-5/8" 36# K55

Set @ 216'

Cement: 240 sxs

Top: Circ to Surface

### Intermediate Casing:

7" 23# K55

Set @ 3344'

Cement: 165 sxs

Top: 2400' (TS)

### Tubing String:

2-3/8" 4.7# J55

Set @ 5648'

### Production Liner:

4-1/2" 10.23# K55

Set @ 3213'-5698'

Cement: 245 sxs

Top: Circ Inr top

### Formation Tops:

|                 |       |
|-----------------|-------|
| Ojo Alamo       | 0     |
| Kirtland        | 0     |
| Fruitland       | 0     |
| Pictured Cliffs | 3050' |
| Lewis           | 0     |
| Cliffhouse      | 4899' |
| Menefee         | 0     |
| Point Lookout   | 5320' |

CH Perfs:  
4904'-5129'

PL Perfs:  
5334'-5669'

TD: 5698'  
PBD: 5681'

**PERTINENT DATA SHEET**  
9/16/98

|   |             |               |              |                                       |  |               |                 |
|---|-------------|---------------|--------------|---------------------------------------|--|---------------|-----------------|
| <b>WELLNAME:</b> Howell J # 4A  |             |               |              |                                       | <b>DP NUMBER:</b> 50525A   |               |                 |
|   |             |               |              |                                       | <b>PROP. NUMBER:</b>   |               |                 |
| <b>WELL TYPE:</b> Blanco Mesaverde  |             |               |              |                                       | <b>ELEVATION:</b> DF 6215'<br>GL 6208'   |               |                 |
| <b>LOCATION:</b> 860 FNL, 1525 FWL<br>Unit C, Sec. 3. T30N, R08W<br>San Juan County, NM |             |               |              |                                       | <b>INITIAL POTENTIAL:</b> 2,145 MCFD   |               |                 |
|   |             |               |              |                                       | <b>INITIAL SITP:</b> 641 psi   |               |                 |
| <b>OWNERSHIP:</b> <u>MV</u><br>GW: 100.00%<br>NRI: 85.50%<br>SJBT: 0.00%                |             |               |              |                                       | <b>DRILLING:</b> <b>SPUD DATE:</b> 4/18/75<br><b>COMPLETED:</b> 9/19/75<br><b>TOTAL DEPTH:</b> 5698'<br><b>PBTD:</b> 5681' |               |                 |
| <b>CASING RECORD:</b>   |             |               |              |                                       |  |               |                 |
| <u>HOLE SIZE</u>  | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>DEPTH</u>                          | <u>EQUIP.</u>  | <u>CEMENT</u> | <u>TOC</u>      |
| 12-1/4"   | 9-5/8"      | 36#           | K55          | 216'                                  | Casing   | 240 sxs       | Circ to Surface |
| 8-3/4"  | 7"          | 23#           | K55          | 3344'                                 | Casing   | 165 sxs       | 2400' (TS)      |
| 6-1/4"  | 4-1/2"      | 10.23#        | K55          | 3213'-5698'                           | Casing   | 245 sxs       | Circ Inr top    |
|   | 2-3/8"      | 4.7#          | J55          | 5648'                                 | Tubing   | SN @ 5613'    |                 |
| <b>FORMATION TOPS:</b>  |             |               |              |                                       |  |               |                 |
| Ojo Alamo   |             |               |              | Menefee                               |  |               |                 |
| Kirtland  |             |               |              | Point Lookout 5320'                   |  |               |                 |
| Fruitland Coal  |             |               |              | Mancos                                |  |               |                 |
| Pictured Cliffs 3050'   |             |               |              | Gallup                                |  |               |                 |
| Lewis   |             |               |              | Greenhorn                             |  |               |                 |
| Huerfanito Bentonite  |             |               |              | Graneros                              |  |               |                 |
| Cliffhouse 4899'  |             |               |              |                                       |  |               |                 |
| <b>LOGGING:</b> GR/Density Neutron/Induction/Sidewall Neutron/Temperature Survey        |             |               |              |                                       |  |               |                 |
| <b>PERFORATIONS</b> PL 5334'-5669'  |             |               |              |                                       |  |               |                 |
| CH/MN 4904'-5129'   |             |               |              |                                       |  |               |                 |
| <b>STIMULATION:</b> PL Frac w/ 148K gal. water, 85K # sand                              |             |               |              |                                       |  |               |                 |
| CH/MN Frac w/ 95K gal. water, 60K # sand  |             |               |              |                                       |  |               |                 |
| <b>WORKOVERS:</b> None  |             |               |              |                                       |  |               |                 |
| <b>PRODUCTION:</b> <u>MV</u>  |             |               |              | <b>RESERVE INFORMATION:</b> <u>MV</u> |  |               |                 |
| Cumulative  | 3,553       | MMCF          |              |                                       | Gross EUR  | 4,137         | MMCF            |
| Current   | 350         | MCFD          |              |                                       | Gross Remaining Reserves   | 584           | MMCF            |
| <b>PIPELINE:</b> El Paso Natural Gas  |             |               |              |                                       |  |               |                 |