

submitted in lieu of Form 3160-5

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

1180' FSL, 1840' FWL, Sec. 29, T-31-N, R-8-W, NMPM

5. Lease Number  
SF-078387

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Howell D #351

9. API Well No.  
30-045-26902

10. Field and Pool  
Basin Fruitland Coal

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☒ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to repair the casing of the subject well according to the attached procedure and wellbore diagram.

**RECEIVED**  
DEC - 9 1996

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

NOV 14 1996  
21 01 4-3113

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

Signed Penny Shadfield (KM6) Title Regulatory Administrator Date 12/2/96

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

CONDITION OF APPROVAL, if any:

Date \_\_\_\_\_

**APPROVED**

DEC 04 1996

**DISTRICT MANAGER**

/s/ Duane W. Spencer

NMDC

## CASING REPAIR

HOWELL D NO. 351

DPNO: 3086A

Sec. 29, T31N, R08W

San Juan County, NM

1. Test location rig anchors and prepare blow pit. Comply with all NMOCED, BLM, and BROGC safety regulations.
2. MIRU daylight PU with air package. Kill well with produced water. POOH with rods and insert pump. Send pump in to be redressed. ND wellhead, NU BOP. Drop down with tubing to tag PBTD. Strap out of hole with tubing.
3. RIH with 7" casing scraper to liner top at 3089', POOH.
4. RIH with 7" RBP and packer. Set RBP at about 3080'. Set packer just above RBP and test the plug. Load the casing and test the 7" casing to 1000 psi. If the casing will not hold pressure, then isolate the casing holes and obtain a pump-in rate.
5. Contact Operations Engineer for squeeze design. Spot sand on top of RBP and squeeze cement the casing holes according to the design.
6. Drill out cement and test casing to 1000 psi. Resqueeze if necessary. Circulate sand off of RBP. Release RBP and POOH.
7. If more than 10' of fill was found in step 2, then RIH with 4-3/4" bit and clean out with air to PBTD. POOH.
8. RIH with production tubing. Land tubing, ND BOP, NU WH. Unload well with air. RIH with insert pump and rods. Load tubing and test pump. Hang on pumpjack and turn to production. RDMO PU.

Approve:

*Kevin Midkiff* 11/26/98  
Operations Engineer

Approve:

\_\_\_\_\_  
Drilling Superintendent

Concur:

\_\_\_\_\_  
Production Superintendent

Contact:

Kevin Midkiff

Operations Engineer

326-9807 (Office)  
564-1653 (Pager)

Cliff Brock

Production Foreman

326-9818 (Office)  
326-8872 (Pager)

# Howell D No. 351

Current -- 11/26/96

DPNO: 3086a

Basin Fruitland Coal

1180' FNL, 1840' FWL

Sec. 29, T31N, R8W, San Juan Co., NM

Spud: 5/11/88

Completed : 5/25/88

12-1/4" Hole

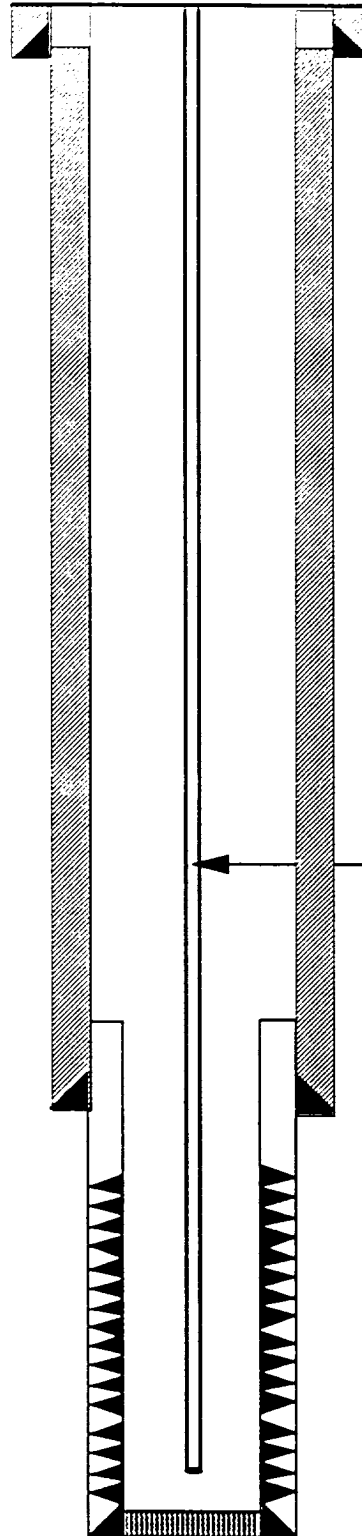
Ojo Alamo @ 2160'

Kirtland @ 2250'

8-3/4" Hole

Fruitland @ 3045'

9-1/2" underreamed hole



9-5/8" 36# K55 Surface Casing  
set @ 234". Cmt 126 cf to surface.

2 3/8", 4.7# J-55 Tubing set @ 4849'.

5 1/2" liner top @ 3089'

7" 20# K55 Csg. at 3131' w/ 620 CF  
TOC=21.1' (TS)

Pre-Perforated Liner (4 SPF)  
3186'-3231', 3254'-3299', 3322'-3367'

5-1/2", 15 50#, J-55 liner set @  
3089'-3368'

PBD @ 3368'

TD @ 3370"

<b>WELLNAME:</b> Howell D No. 351		<b>DP NUMBER:</b> 3086A <b>PROP. NUMBER:</b> 71056811	
<b>WELL TYPE:</b> Basin Fruitland Coal		<b>ELEVATION:</b> KB 3531' GL 3518'	
<b>LOCATION:</b> 1180' FNL 1840' FWL Unit N, Sec. 29, T31N, R8W San Juan County, NM Long./Lat.: 107.700653 - 36.864975		<b>INITIAL POTENTIAL:</b> 1103 MCFD Test  <b>INITIAL SITP:</b> Psig <b>LAST AVAILABLE SITP:</b> Psig	
<b>OWNERSHIP:</b> GWI: 32.4950% NRI: 73.3900% SJBT: 0.0000%		<b>DRILLING:</b> SPOD DATE: 5/11/88 CCPLETED: 5/25/88 TOTAL DEPTH: 3370' PBD: 3368'	
<b>CASING RECORD:</b>			
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>
12-1/4"	9-5/8"	36#	K55
8-3/4"	7"	20#	K55
9-1/2" (underream)	5-1/2"	15.5#	k55
		<u>DEPTH</u>	<u>EQUIP.</u>
		234'	Casing
		3131'	Casing
		3089'-3368'	Liner
			<u>CEMENT</u>
			126 CF
			620 CF
			None
			<u>TOC</u>
			Circ to Surface
			210' (TS)
			None
Tubing from bottom up: 4' sub, SN, 94 jts 3-1/2" 9.2# J55, 8 jts. 2-7/8" 6.5# J55, set at approx. 3338' (no tally)			
Rods: 1-1/2" pump, 133 7/8" rods, 8' pony rod			
<b>FORMATION TOPS:</b>			
Cjo Alamo		2160'	
Kirtland		2250'	
Fruitland		3045'	
<b>LOGGING:</b> Temp. survey			
<b>PERFORATIONS</b> Pre-drilled liner (4 SPF): 3186'-3231', 3254'-3299', 3322'-3367'			
<b>STIMULATION:</b> 9/95 Recavitate			
<b>WORKOVER HISTORY:</b>			
9/95		Pull liner, under-ream, recavitate, run liner	
3/96		Run Progressive cavity pump	
9/96		Pull PCP, run insert pump (1-1/2")	
<b>PRODUCTION HISTORY:</b>			
Cumulative as of 1996:		6100 MMCF 221 MBW	
Gross EUR:		13,367 MMCF	
Current as of 11/96:		500 MCFD 130 BWD	
Remaining:		7,267 MMCF	
<b>PIPELINE:</b> MOI			