

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
Southland Royalty

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1700'FNL, 1600'FWL Sec.34, T-30-N, R-10-W, NMPM

5. Lease Number
SF-077282
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Grenier A #2
9. API Well No.
30-045-09015
10. Field and Pool
Pic.Cliffs
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 |
|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" 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 type="checkbox"/> Other - |
| | <input checked="" 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 Injectio |

13. Describe Proposed or Completed Operations

It is intended to plug & abandon this well per the attached procedure and wellbore diagram.

RECEIVED
MAY 27 1994

OIL CON. DIV.
DIST. 3

RECEIVED
MAY 27 1994
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (LWD) Title Regulatory Affairs Date 5/20/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

MAY 23 1994

DISTRICT MANAGER

NMOCD

PLUG & ABANDON PROCEDURE

Grenier A # 2
Pictured Cliffs DPNO 25651
NW/4 Sec. 34, T30N, R10W
San Juan Co., New Mexico

1. Install and test location rig anchors. Prepare blow pit (for cement washout only).
 2. MOL and RU daylight pulling unit. RU atmospheric blow tank. NU relief line to atmospheric tank. Comply to all NMOCD, BLM, and MOI regulations. Conduct safety meeting for all personnel on location.
 3. Blow down well and kill with water as necessary. ND wellhead and NU BOPs. Test operation of BOPs.
 4. PU on 1 1/2" production tubing, release Baker R-3 packer, and POOH. Run 5 1/2" gauge ring to 2440'. PU 5 1/2" cement retainer and TIH.
 5. **Plug # 1 (Pictured Cliffs/Fruitland; 2507' to 2110'):** Set cement retainer at 2410'. Establish rate and squeeze PC perforations with 25 sx class B cement. Sting out of retainer and spot 40 sx cement on top of retainer. Spot drilling mud between Plug # 1 and Plug # 2. Pressure test 5 1/2" casing to 500 psi and TOH.
 6. **Plug # 2 (Kirtland/Ojo Alamo; 1350' to 1110'):** Perforate 2 holes at 1350'. TIH with 5 1/2" cement retainer and set at 1300'. Establish rate into perforations with bradenhead valve open. Set plug with 70 sx class B cement outside pipe and 35 sx inside pipe. Spot drilling mud between Plug # 2 and Plug # 3.
 7. **Plug # 3 (Surface Casing Shoe; 150' to Surface):** Perforate 2 holes at 150'. Establish circulation down 5 1/2" casing and out bradenhead valve. Pump cement and circulate out bradenhead (\approx 45 sx).
 8. Cut off wellhead below surface casing flange and install dry hole marker to BLM specifications. Release rig and restore location.
- * Cement volumes are calculated from 50' above to 50' below formation tops.
 - * Surface plug volume is calculated from 50' below casing shoe to surface.
 - * All cement volumes are calculated with 100% volume excess outside pipe and 50 foot plug length excess inside pipe.
 - * Plugs spotted on top of cement retainers will fill minimum of 50' inside pipe.
 - * Drilling mud will be mixed to 8.4 ppg weight and 40 viscosity.

Recommended: 
Operations Engineer

Approval: _____
Production Superintendent

**1700' FNL, 1600' FWL,
Section 34, T-30-N, R-10-W, San Juan County, NM**

Spud: 03-22-56

Completed : 04-10-56

