

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 | 5. Lease Number
SF-078115 |
| 2. Name of Operator
Southland Royalty | 6. If Indian, All. or
Tribe Name |
| 3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 7. Unit Agreement Name |
| 4. Location of Well, Footage, Sec., T, R, M
1650'FNL, 990'FWL Sec.20, T-31-N, R-11-W, NMPM | 8. Well Name & Number
Grenier #7 |
| | 9. API Well No.
30-045-10582 |
| | 10. Field and Pool
Aztec PC |
| | 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"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injectio |
| | <input type="checkbox"/> Other - | |

13. Describe Proposed or Completed Operations

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

RECEIVED
JUL 08 1994
OIL CON. DIST. 3

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

Signed Gregory Bradwell (HW4) Title Regulatory Affairs Date 6/30/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

JUL 30 1994

DISTRICT MANAGER

NMOOD

PERTINENT DATA SHEET

6/27/94

WELLNAME: Grenier #7	DP NUMBER: 25629																																
WELL TYPE: Aztec Pictured Cliffs	ELEVATION: GL: 6112' KB: 6121'																																
LOCATION: 1650' FNL 990' FWL SEC 20, T31N, R11W San Juan County, New Mexico Area 4	INITIAL POTENTIAL: AOF 4,078 MCF/D SICP: 687																																
OWNERSHIP: GWI: 100.0000% NRI: 83.5000%	DRILLING: SPUD DATE: 03-06-59 COMPLETED: 03-17-59 TOTAL DEPTH: 2789' PBTD: 2723'																																
CASING RECORD: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>HOLE SIZE</u></th> <th style="text-align: left;"><u>SIZE</u></th> <th style="text-align: left;"><u>WEIGHT</u></th> <th style="text-align: left;"><u>GRADE</u></th> <th style="text-align: left;"><u>DEPTH</u></th> <th style="text-align: left;"><u>EQUIP.</u></th> <th style="text-align: left;"><u>CEMENT</u></th> <th style="text-align: left;"><u>TOC</u></th> </tr> </thead> <tbody> <tr> <td>12 1/4"</td> <td>8-5/8"</td> <td>24#</td> <td>J55</td> <td>101'</td> <td>-</td> <td>100 sx</td> <td>circulate to surface</td> </tr> <tr> <td>6 3/4"</td> <td>4 1/2"</td> <td>9.5#</td> <td>J55</td> <td>2760'</td> <td></td> <td>100 sx</td> <td>2156'</td> </tr> <tr> <td>tubing</td> <td>1"</td> <td>1.7#</td> <td>J55</td> <td>2722'</td> <td></td> <td></td> <td>calc (75%)</td> </tr> </tbody> </table>		<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"	8-5/8"	24#	J55	101'	-	100 sx	circulate to surface	6 3/4"	4 1/2"	9.5#	J55	2760'		100 sx	2156'	tubing	1"	1.7#	J55	2722'			calc (75%)
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PERFORATIONS 2678'-2688';2692'-2716' w/ 4spf																																	
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WORKOVER HISTORY: NONE																																	
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Grenier #7

CURRENT

Pictured Cliffs
DPNO 25629

1650' FNL, 990' FWL,
Section 20, T-31-N, R-11-W, San Juan County, NM

Spud: 3-6-59

Completed : 3-16-59

Ojo Alamo @ 958'

Kirtland @ 1062'

Fruitland @ 2230'

Pictured Cliffs @ 2677'

Perfs 2678'-2688', 2692'-2716' w/ 4 spf

PBTD 2723'

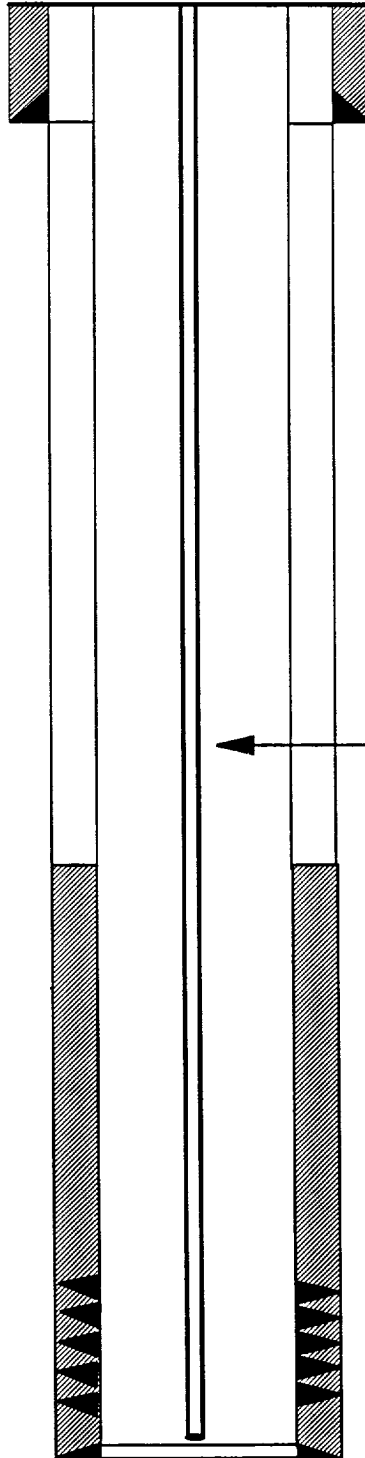
TD 2789'

8-5/8" 24# J55, Csg set @ 101'
Circulated 100 sx crnt to surface

1", 1.7#, J55, set @ 2722'

TOC @ 2156' (calc, 75%)

4 1/2", 9.5#, J55 Csg set @ 2760',
circ. 100 sx crnt, TOC est 2156'



PLUG & ABANDON PROCEDURE

Grenier #7
Pictured Cliffs - DPNO 25629
NW/4 Sec. 20, T31N, R11W
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 out 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. Pull 1" tubing and LD, run a 4 1/2", 9.5# gauge ring to 2650' , PU a 4 1/2" cement retainer, a 2 3/8" work string, and TIH.
5. **Plug #1 (Pictured Cliffs / Fruitland; 2180' - 2723')**: Set cement retainer at 2620'. Establish rate and squeeze PC perforations with 16 sx class B cement. Sting out of retainer and spot 38 sx cement on top of retainer. Spot drilling mud between Plug #1 and Plug #2. Pressure test 4 1/2" casing to 500 psi. POOH.
6. **Plug #2 (Ojo Alamo / Kirtland; 900' - 1112')**: Perforate 2 holes at 1112'. TIH with 4 1/2" cement retainer and set at 1062'. Establish rate into perforations with bradenhead valve open. Set plug with 50 sx class B cement outside pipe, and 21 sx inside pipe. Spot drilling mud between Plug #2 and Plug #3. Pressure test 4 1/2" casing to 500 psi. POOH.
7. **Plug #3 (Surface Casing Shoe; 150' - Surface)**: Perforate 2 holes at 150'. Establish circulation down 4 1/2" casing and out the bradenhead valve. Pump class B cement and circulate out bradenhead (\cong 40 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 and 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 the pipe and 50 ' plug length excess inside the 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: _____
Summer Operations Engineer

Approval: _____
Production Superintendent

Grenier #7

P & A

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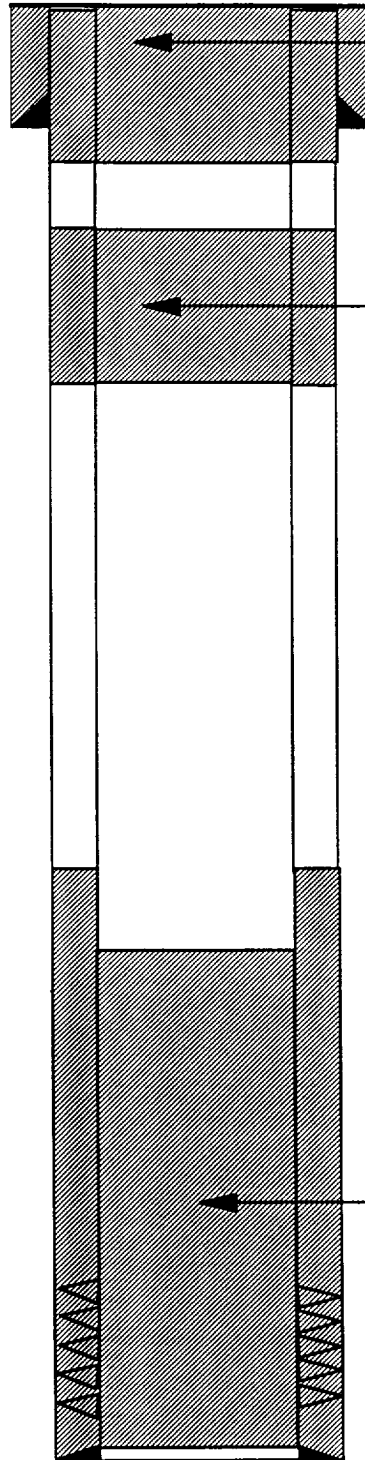
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PBTD 2723'

TD 2789'



Plug #3 -- surface - 150'

8-5/8" 24# J55, Csg set @ 101'
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Plug #2 -- 900' - 1112'
Cement Retainer @ 1062'

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