

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 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

790'FSL, 790'FEL, Sec.13, T-31-N, R-12-W, NMPM

5. Lease Number

SF-078115

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Grenier #12

9. API Well No.

30-045-10673

10. Field and Pool

Basin Dakota

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

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Bradenhead repair

13. Describe Proposed or Completed Operations

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

RECEIVED
MAR 2 7 1995

OIL CON. DIV.
DIST. 3

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

Signed [Signature] (LWD4) Title Regulatory Affairs Date 3/13/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date

APPROVED

MAR 20 1995

[Signature]
DISTRICT MANAGER

NMOCD

WORKOVER PROCEDURE - BRADENHEAD REPAIR

GRENIER # 12

Dakota

SE/4 Sec. 13, T31N, R12W

San Juan Co., New Mexico

DPNO 25634

1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location.
2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 2% KCl water.
3. Blow down tubing (225 jts of 2 3/8", 4.7#, EUE set at 7041') to atmospheric tank. Control well with 2% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine for inspection.
4. PU on tubing and strap out of hole. Visually inspect tubing, and replace joints that are in bad condition. Note any buildup of scale, and notify Operations Engineer.
5. RU wireline unit. Run gauge ring (4 1/2", 11.6 ppf) to PBTD of 7305'. PU 4 1/2" RBP and TIH. Set RBP at 6900'. Pressure test casing to 1000 psig. Spot one sack of sand on top of RBP. POOH.
6. Run CBL (with 1000 psig pressure) to determine TOC. Estimated TOC is 3500' per temperature survey. Contact Operations Engineer for design of squeeze cement.
7. Perforate 4 squeeze holes 20' above TOC. TIH with 4 1/2" fullbore packer and set 250' above perforations. Pressure up casing/tubing annulus to 500 psig. Establish rate into perforations with bradenhead valve open. Max pressure 1000 psig.
8. Mix and pump cement. (If cement circulates to surface, go immediately to tail slurry.) Displace cement to packer. Close bradenhead valve and squeeze 2 to 3 bbl of cement into perforations. Hold squeeze pressure and WOC 12 hours (overnite).
9. Release packer and POOH. TIH with 3 7/8" bit and drill out cement. Pressure test casing to 1000 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.
10. TIH with retrieving tool and retrieve RBP. POOH and LD RBP. TIH with 3 7/8" bit and CO to PBTD with air. Blow well clean and gauge production. POOH.
11. TIH with production tubing (seating nipple with pump-out plug one joint off bottom). Land tubing at 7285'.

12. ND BOP's and NU wellhead. Pump plug from tubing. Obtain final gauge.
13. Release rig.

Recommend: _____
Operations Engineer

Approve: PJB
Drilling Superintendent

Contacts:	Cement	Halliburton	325-3575
	Downhole Tools	Baker	325-0216
	Wireline	Basin	327-5244
	Operations Engineer	Larry Dillon	326-9714

PERTINENT DATA SHEET

3/7/95

WELLNAME: Grenier #12	DP NUMBER: 25634																																
WELL TYPE: Basin Dakota	ELEVATION: GL: 6087' KB:																																
LOCATION: 790' FSL, 790' FEL Sec. 13, T31N, R12W San Juan County, New Mexico	INITIAL POTENTIAL: AOF 3,209 Mcf/d INITIAL SICP: 1,936 psig 8/23/62 CURRENT SICP: 789 psig 6/7/90																																
OWNERSHIP: GWI: 25.0000% NRI: 20.8750% SJBT: 75.0000%	DRILLING: SPUD DATE: 07-15-62 COMPLETED: 08-12-62 TOTAL DEPTH: 7320' PBTD: 7305'																																
CASING RECORD: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">HOLE SIZE</th> <th style="text-align: left;">SIZE</th> <th style="text-align: left;">WEIGHT</th> <th style="text-align: left;">GRADE</th> <th style="text-align: left;">DEPTH</th> <th style="text-align: left;">EQUIP.</th> <th style="text-align: left;">CEMENT</th> <th style="text-align: left;">TOC</th> </tr> </thead> <tbody> <tr> <td>12 1/4"</td> <td>8 5/8"</td> <td>24#</td> <td>J55</td> <td>314'</td> <td>-</td> <td>240 sx</td> <td>Circ. Surface</td> </tr> <tr> <td>7 7/8"</td> <td>4 1/2"</td> <td>11.6# & 9.5#</td> <td>J55</td> <td>7320'</td> <td>Stage Collar @ 5233</td> <td>Stg. 250 sx Stg. 500 sx</td> <td>TS 6000' TS 3500'</td> </tr> <tr> <td>Tubing</td> <td>2 3/8"</td> <td>4.7#</td> <td>J55</td> <td>7041'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="text-align: center;">Ran 225 jts. 2 3/8" tubing</p>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12 1/4"	8 5/8"	24#	J55	314'	-	240 sx	Circ. Surface	7 7/8"	4 1/2"	11.6# & 9.5#	J55	7320'	Stage Collar @ 5233	Stg. 250 sx Stg. 500 sx	TS 6000' TS 3500'	Tubing	2 3/8"	4.7#	J55	7041'			
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PERFORATIONS 7068' - 84'; 7156' - 90'; 7292' - 98' w/4 spf																																	
STIMULATION: 71,000 gal water & 46,000# 20/40 sand & 14,000# 10/20 sand																																	
WORKOVER HISTORY: Dec-85 Kill well, change out both casing valves.																																	
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Grenier #12

CURRENT - 2-16-95

Basin Dakota
DPNO 25634

790' FSL, 790' FEL,
Section 13, T-31-N, R-12-W, San Juan County, NM

Spud: 7-15-62

Completed : 8-12-62

Ojo Alamo @ 978'

Kirtland @ 1022'

Fruitland @ 2148'

Pictured Cliffs @ 2640'

Mesa Verde @ 3713'

Massive Cliff House @ 4227'

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Graneros @ 7010'

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8 5/8" 24#, J55 Csg set @ 314'
Circulated 240 sxs cmt to surface

TOC @ 3500' (TS)

2 3/8", 4.7#, J55 set @ 7041'

Stage Tool set @ 5233'

Stg 1 TOC @ 6000' (TS)

Perfs @ 7068' - 84'; 7156' - 90';
7292' - 98' w/4 spf

4 1/2", 9.5# & 11.6#, J55 Csg set @ 7320',
cmt. 1st stg w/250 sxs cmt, 2nd stg 500 sxs cmt

PBTD 7305'

TD 7320'