

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 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
1100' FSL, 1030' FWL, Sec. 35, T-30-N, R-10-W, NMPM

5. Lease Number
NM-06738
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Grenier A #8M
9. API Well No.
30-045-24489
10. Field and Pool
Blanco MV/Basin DK
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 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 Injection
	<input checked="" type="checkbox"/> Other - Packer repair	

13. Describe Proposed or Completed Operations

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

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

Signed [Signature] (LWD5) Title Regulatory Affairs Date 6/13/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

JUN 19 1995
DISTRICT MANAGER

WORKOVER PROCEDURE - PACKER REPAIR

GRENIER A # 8M
Mesaverde/Dakota Duel
SW/4 Sec. 35, T30N, R10W
San Juan Co., New Mexico

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 well down 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, or WSI for inspection and necessary re-dress.
4. PU on Mesaverde tubing (19 jts, 1 1/2", IJ and 137 jts, 1 1/2", EUE landed at 4943'), and strap out of hole. Control well with 2% KCl water as needed. Visually inspect Mesaverde tubing, and replace joints that are in bad condition. Note any buildup of scale and notify Operations Engineer.
5. PU on Dakota tubing (210 jts of 1 1/2", 2.9#, EUE landed at 7140'), release packer (5 1/2" Baker Model R) at 4981', and strap out of hole. Visually inspect Dakota tubing, and replace joints that are in bad condition. Note any buildup of scale and notify Operations Engineer. Send packer to Baker to be re-dressed.
6. PU 6 3/4" bit, casing scraper (7 5/8", 26.4#), 2 3/8" workstring. CO to top of liner at 4400'. PU 7 5/8" retrievable packer, TIH and set packer at 4200'. Pressure test 7 5/8" casing to 1000 psig, and POOH. If pressure test fails, contact Operations Engineer for repair procedure.
7. PU 4 3/4" bit, casing scraper (5 1/2", 15.5#), and clean out to PBTD (7170') with air. Use string float as needed while blowing with air. Blow well clean and obtain gauges, and POOH.
8. TIH with Dakota tubing (seating nipple and pump out plug one joint off bottom, and Baker model R packer 2100' off bottom). Hydrotest Dakota tubing (below slips) run above packer. Land tubing at 7150' with packer set 5050'.
9. TIH with Mesaverde tubing (seating nipple one joint off bottom), and land at 4950'. Run tubing choke as needed.
10. ND BOP's and NU wellhead. Pump plug from Dakota tubing. Release rig.

Recommend: 
Operations Engineer

Approve: 
Drilling Superintendent

Contacts: Wireline
Operations Engineer

Petro 326-6669
Larry Dillon 326-9714

PERTINENT DATA SHEET

4/27/95

WELLNAME: Grenier A #8M					DP NUMBER: 25676 (DK) 25677 (MV) PROP. NUMBER: 0020236A DK / MV																															
WELL TYPE: Basin Dakota Blanco Mesaverde					ELEVATION: GL: 6089' KB: 6101'																															
LOCATION: 1100' FSL, 1030' FWL Sec. 35, T30N, R10W San Juan County, New Mexico					<table style="width: 100%;"> <tr> <td rowspan="4" style="vertical-align: top;">INITIAL POTENTIAL:</td> <td style="text-align: center;">AOF</td> <td style="text-align: center;"><u>DK</u></td> <td style="text-align: center;"><u>MV</u></td> </tr> <tr> <td></td> <td style="text-align: center;">346</td> <td style="text-align: center;">2362</td> </tr> <tr> <td></td> <td style="text-align: center;">2/13/81</td> <td style="text-align: center;">2/6/81</td> </tr> <tr> <td></td> <td style="text-align: center;">1209</td> <td style="text-align: center;">1002</td> </tr> <tr> <td rowspan="2" style="vertical-align: top;">INITIAL SITP:</td> <td></td> <td style="text-align: center;">8/13/81</td> <td style="text-align: center;">10/31/81</td> </tr> <tr> <td></td> <td style="text-align: center;">393</td> <td style="text-align: center;">416</td> </tr> <tr> <td rowspan="2" style="vertical-align: top;">CURRENT SITP:</td> <td></td> <td style="text-align: center;">4/28/92</td> <td style="text-align: center;">5/15/91</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>					INITIAL POTENTIAL:	AOF	<u>DK</u>	<u>MV</u>		346	2362		2/13/81	2/6/81		1209	1002	INITIAL SITP:		8/13/81	10/31/81		393	416	CURRENT SITP:		4/28/92	5/15/91			
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CASING RECORD:																																				
<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>																													
13 3/4"	10 3/4"	32.75#	H40	228'		135 sx	Circ to surf.																													
9 7/8"	7 5/8"	26.40#	K55	4566'	DV tool @ 2690'	2nd Stage: 405 sx.	1450' (TS)																													
Liner	5 1/2"	15.5#	K55	4400'-7190'	Liner hanger @ 4422	1st Stage: 112 sx.	3800' (CBL)																													
						265 sx	4690'																													
					CIBP Model "R" set @ 4981'																															
Tubing	MV 1 1/2"	2.76# / 2.9#	V55/CSR55	4943'	Squeeze 100 sx cmt. @ liner top																															
	DK 1 1/2"	2.9#	V55 EUE	7140'	Gas anchor. 19 Jts. IJ. 137Jts. EUE																															
					1 jt., sn., 65 jts., pkr, 1 jt., 10' blast, 16' sub, 40' blast, 26' jt., 10' blast, 98' jt., 16' sub, 10' jt., 40' blast, 16' sub, 20' blast, 32' jt., 20' blast, 230' jt., 59' blast, 4618' jt.																															
FORMATION TOPS:																																				
	Cjo Alamo		1405'		Cliffhouse	4132'																														
	Kirtland		1464'		Menefee	4334'																														
	Fruitland		2302'		Point Lookout	4885'																														
	Pictured Cliffs		2570'		Gallup	6090'																														
	Lewis		2804'		Greenhorn	6821'																														
	Huerfano Bentonite		3300'		Graneros	6888'																														
	Chacra		3360'		Dakota	7010'																														
LOGGING: Ind / Density Log, GR, CBL and CCL																																				
PERFORATIONS																																				
	Cliffhouse	4282', 4288', 4308', 4315', 4322', 4330', 4570', 4577', 4622', 4629' (Total of 10 holes)																																		
	Pt. Lookout	4730', 4854', 4890', 4897', 4904', 4919', 4947' (Total of 7 Holes)																																		
	Dakota	6941', 6946', 7018', 7025', 7030', 7036', 7068', 7080', 7123', 7147', 7166' (Total of 11 Holes)																																		
STIMULATION:																																				
	Cliffhouse	111,000 gal. water & \$6,000# 20/40 sand																																		
	Pt Lookout	247,630 gal. water & 215,000# 20/40 sand																																		
	Dakota	73,400 gal. 30# gel & 59,800 20/40 sand.																																		
WORKOVER HISTORY: None.																																				
PRODUCTION HISTORY:																																				
		<u>Gas</u>	<u>Oil</u>			<u>Gas</u>	<u>Oil</u>																													
		<u>Dakota</u>				<u>Dakota</u>																														
Cumulative as of 1995:	447.0 MMcf	4.9 Mbo		2- 95	101 Mcf	0 bo																														
Current:	3.5 MMcf	43 bo																																		
		<u>Mesaverde</u>				<u>Mesaverde</u>																														
Cumulative as of 1995:	476.9 MMcf	6.2 Mbo		10- 93	101 Mcf	0 bo																														
Current:	0 Mcf	0 bo																																		
PIPELINE: Sunterra Gas Gathering Co.																																				