

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

1730'FSL, 1520'FEL, Sec.31, T-29-N, R-9-W, NMPM

5. Lease Number

SF-080781

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Cain #15M

9. API Well No.
30-045-25328

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 in the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAR 13 1995
OIL CON. DIV.
DIST. 3

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

Signed *Penny Bradfield* (ROS3) Title Regulatory Affairs Date 3/3/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

MAR 07 1995

MANAGER

PERTINENT DATA SHEET

WELLNAME: Cain #15M	<table style="width: 100%;"> <tr> <td style="width: 50%;">DP NUMBER:</td> <td style="width: 50%; text-align: center;">MV 7758</td> <td style="width: 50%; text-align: center;">DK 7757</td> </tr> <tr> <td>PROP. NUMBER:</td> <td style="text-align: center;">0020291</td> <td style="text-align: center;">0020291</td> </tr> </table>	DP NUMBER:	MV 7758	DK 7757	PROP. NUMBER:	0020291	0020291																																																			
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WELL TYPE: Blanco Mesaverde/Basin Dakota	ELEVATION: GL: 5783' KB: 5795'																																																									
LOCATION: 1730' FSL 1520' FEL SE Sec. 31. T29N, R9W San Juan County, New Mexico	INITIAL POTENTIAL: AOF 4,707 MCF/D (MV) AOF 2,877 MCF/D (DK) SICP: Sept., 1991 362 PSIG (MV) SICP: March, 1992 372 PSIG (DK)																																																									
OWNERSHIP: MV/DK GWI: 25.000000% NRI: 20.500000%	DRILLING: SPUD DATE: 03-11-82 COMPLETED: 04-17-82 TOTAL DEPTH: 6725' PBTD: 6680' COTD: 6680'																																																									
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>24.0#</td> <td>K-55</td> <td>242'</td> <td>-</td> <td>189 cf (160 sx)</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>5-1/2"</td> <td>15.5#</td> <td>K-55</td> <td>6724'</td> <td>3rd stg, DV @ 2412'</td> <td>804 cf (550 sx)</td> <td>300' (TS)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2nd stg, DV @ 4819'</td> <td>1102 cf (750 sx)</td> <td>2412' (75%)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Float Collar @ 6680'</td> <td>573 cf (395 sx)</td> <td>4245' (75%)</td> </tr> <tr> <td>Tubing (MV)</td> <td>1-1/2"</td> <td>2.76#</td> <td>J-55</td> <td>4542'</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tubing (DK)</td> <td>1-1/2"</td> <td>2.9#</td> <td>J-55</td> <td>6639'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-left: 40px;">(MV) Ran 1 jt 1-1/2", Seating Nipple @ 4516', 131 jts 1-1/2", 2.76#, J, J-55, tbg set at 4542'</p> <p style="margin-left: 40px;">(DK) Ran 1jt 1-1/2", Seating Nipple @ 6607', 194 jts 1-1/2", 2.9#, EUE, J-55, 10rd, tbg set at 6639', Guiberson Uni VI packer @ 4703'</p>			HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12-1/4"	8-5/8"	24.0#	K-55	242'	-	189 cf (160 sx)	surface	7-7/8"	5-1/2"	15.5#	K-55	6724'	3rd stg, DV @ 2412'	804 cf (550 sx)	300' (TS)						2nd stg, DV @ 4819'	1102 cf (750 sx)	2412' (75%)						Float Collar @ 6680'	573 cf (395 sx)	4245' (75%)	Tubing (MV)	1-1/2"	2.76#	J-55	4542'				Tubing (DK)	1-1/2"	2.9#	J-55	6639'			
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PERFORATIONS (DK) 6489', 6543', 6548', 6553', 6558', 6601', 6603', 6605', 6607', 6617', 6643', 6651', 6653', 6688', 6690', 6692', 6695', Total 17 holes. (MV) 3958', 3962', 4035', 4054', 4140', 4146', 4151', 4157', 4162', 4191', 4196', 4303', 4335', 4340', 4345', 4360', 4382', 4388', 4394', 4399', 4404', 4409', 4414', 4419', 4424', 4436', 4443', 4473', 4483', 4518', 4539', 4444', 4474', 4590', Total 34 holes.																																																										
STIMULATION: (DK) Frac w/128,341 gal. of 30# gel wtr. and 57,975# of 20/40 sand. (MV) Frac w/221,812 gal. fresh wtr. and 168,000# 20/40 sand.																																																										
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Cain #15M
Blanco Mesaverde/Basin Dakota Dual
SE Section 31, T-29-N, R-9-W
San Juan County, New Mexico

Recommended Packer Repair Procedure

1. Comply with all NMOCD, BLM and Meridian safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig.
2. MOL and RU workover rig. Conduct safety meeting for all personnel on location. Blow well down. ND wellhead and NU 7-1/16" 3000 psi (6" 900 series) BOP with flow tee. Test and record operation of BOP rams. Kill well with 1% KCL water only if necessary. Have christmas tree serviced at A-1 Machine.
3. PU additional joints of 1-1/2" tbg and RIH with Mesaverde tbg and CO to the Guiberson Uni VI packer at 4703' with nitrogen. TOOH with Mesaverde tubing (132 jts 1-1/2", 2.76#, J-55, tbg set @ 4542', SN @ 4516'). Visually inspect tbg and replace any bad joints. TOOH with Dakota tubing (195 jts 1-1/2", 2.9#, J-55, tbg set @ 6639', SN @ 6607') and Guiberson Uni VI packer at 4703' (To release find neutral point, turn 1/4 turn to the right and PU). Visually inspect tbg and replace any bad joints. Redress Guiberson Uni VI packer. PU 2-3/8" workstring and RIH with 5-1/2" casing scraper or gauge ring to PBTD at 6680'. TOOH.
4. PU 5-1/2" RBP and 5-1/2" Fullbore packer, TIH and set RBP at 6389' (100' above DK perfs). Pressure test RBP to 750 psig with 1% KCL water.. Set 5-1/2" Fullbore packer at 4690' (100' below MV perfs). Pressure test 5-1/2" casing to 750 psig. Reset 5-1/2" Fullbore packer at 3858' (100' above MV perfs) and pressure test backside to 750 psig, and POOH. If pressure test fails, isolate leak and design cement squeeze job as appropriate. Spot 10' of sand on top of RBP before pumping cement.
5. If pressure test passes, TOH with packer. TIH with retrieving tool on 2-3/8" tbg blowing down with nitrogen. Retrieve RBP and TOH. Blow well clean and obtain gauges, and POOH.
6. TIH with Dakota tubing with seating nipple and pump-out plug one joint off bottom. Hydrotest 1-1/2" tubing above slips, from one joint below Guiberson Uni VI packer to surface. Land tubing near bottom DK perfs at 6680'. TIH with Mesaverde tubing with a seating nipple and pump out plug one joint off bottom. Run perforated orange-peeled sub on bottom. Land 1-1/2" tubing near bottom MV perfs at 4590'.
7. ND BOP and NU wellhead. Record final gauges. Return well to production.

Recommended: 

Approved: _____

Cain #15M

CURRENT

Blanco Mesaverde/Basin Dakota Dual

SE Section 31. T-29-N, R-9-W, San Juan County, NM

Today's Date: 2/17/95

Spud: 03/11/82

Completed: 4/17/82

Ojo Alamo @ 825'

Fruitland @ 1790'

Pictured Cliffs @ 2062'

Chacra @ 3025'

Mesaverde @ 3623'

Gallup @ 5532'

Greenhorn @ 6311'
Graneros @ 6375'

Dakota @ 6497'

