

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  
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 - Fish Mesaverde tubing	

13. Describe Proposed or Completed Operations

It is intended to fish the Mesaverde tubing in the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
JAN 12 1996

OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (ROS3) Title Regulatory Administrator Date 12/19/95

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

**APPROVED**

JAN 08 1996

[Signature]  
DISTRICT MANAGER

NMOCD

# PERTINENT DATA SHEET

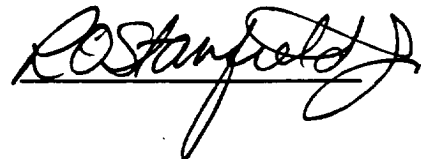
<b>WELLNAME:</b> Cain #15M	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><b>DP NUMBER:</b></td> <td style="width: 25%; text-align: center;">MV 7758</td> <td style="width: 25%; text-align: center;">DK 7757</td> </tr> <tr> <td><b>PROP. NUMBER:</b></td> <td style="text-align: center;">0020291</td> <td style="text-align: center;">0020291</td> </tr> </table>	<b>DP NUMBER:</b>	MV 7758	DK 7757	<b>PROP. NUMBER:</b>	0020291	0020291																																																		
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<b>LOCATION:</b> 1730' FSL 1520' FEL SE Sec. 31, T29N, R9W San Juan County, New Mexico	<b>INITIAL POTENTIAL:</b> AOF 4.707 MCF/D (MV) AOF 2.877 MCF/D (DK)  <b>SICP:</b> Sept. 1991 362 PSIG (MV) <b>SICP:</b> March, 1992 372 PSIG (DK)																																																								
<b>OWNERSHIP:</b> MV/DK GWI: 25.000000% NRI: 20.500000% SJBT GWI: 75.000000% SJBT NRI: 61.500000%	<b>DRILLING:</b> SPUD DATE: 03-11-82 COMPLETED: 04-17-82 TOTAL DEPTH: 6725' PBTD: 6680' COTD: 6680'																																																								
<b>CASING RECORD:</b> <table style="width: 100%; border: none;"> <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>65'</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tubing (DK)</td> <td>1-1/2"</td> <td>2.3#</td> <td>J-55</td> <td>6635'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="text-align: center;">(MV) Ran 2 jts 1-1/2", 2.3#, J-55, tbg set at 65'</p> <p style="text-align: center;">(DK) Ran 1 jt 1-1/2", Seating Nipple @ 6603', 214 jts 1-1/2", 2.3#, EUE, J-55, 10rd, tbg set at 6635'. Model "R" Production packer @ 4677'.</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	65'				Tubing (DK)	1-1/2"	2.3#	J-55	6635'			
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<b>PERFORATIONS</b> (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.																																																									
<b>STIMULATION:</b> (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.																																																									
<b>WORKOVER HISTORY:</b> May/June 1995: MIRU, ND WH, NU BOP, TIH, tag fill, TOOH, TIH w/tbg to 3688'. Attempt to circ. Tbg plugged, TIH to 3708'. Circ well w/N2. Blow well & CO. TOOH w/MV tbg. Release pkr, TOOH w/182 jts 1-1/2" tbg & 5-1/2" pkr. TIH w/5-1/2" csg scraper. TIH w/RBP & pkr. Set RBP @ 6472', set pkr @ 6423'. PT RBP to 1100#/10 min, OK. Reset pkr @ 4607'. Load hole w/wtr. PT to 790#/10 min, OK. Reset pkr @ 3924'. Load hole between csg & tbg to surface. PT to 755#/10 min, OK. TIH, release RBP. SD for wknd. TIH w/215 jts 1-1/2", 2.3#, J-55 tbg & Model "R" pkr, landed DK tbg @ 6635'. Set pkr @ 4677'. SDON. TIH w/132 jts 1-1/2", 2.3#, J-55 tbg. Changeover broke off. Tbg dropped to top of pkr @ 4677'. TOOH. TIH w/2 jts 1-1/2", 2.3#, J-55, MV tbg, landed @ 85'. ND BOP, NU WH, RD. Rig released.																																																									
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12/13/95

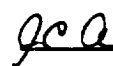
**Cain #15M  
Blanco Mesaverde/Basin Dakota Dual  
SE Section 31, T-29-N, R-9-W  
Fishing Procedure**

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. Blow well down. NU 7-1/16" 3000 psi (6" 900 series) BOP with flow tee and stripping head. Test and record operation of BOP rams. Kill well with 1% KCL water only if necessary.
3. TOH with 2 joints of 1-1/2", 2.3#, J-55 Mesaverde tubing (Approximately 65'); visually inspect tubing and replace bad joints as necessary. PU and RIH with freepoint tool in the Dakota tubing. Locate freepoint, and chemically cut Dakota tubing 10' above freepoint (Model R retrievable packer set at 4677'). POH with wireline. TOH with Dakota tubing (1-1/2", 2.3#, J-55). Visually inspect tubing.
4. PU 2-3/8" workstring. TIH with overshot/grapple and fishing assembly, and attempt to catch 1-1/2" IJ tubing. TOH with fish. Fish DK and MV tubing as necessary.
5. After recovering fish, TIH with overshot and release Model "R" production packer (Release Model "R" packer by lifting up on tubing the length of the packer. Then lower the tubing slightly, the J-pin engages the J-slot assuring complete release and preventing accidental resetting) and TOH with packer and remaining 1-1/2" Dakota tubing.
6. Clean out to PBTD at 6680' with gas or air. Blow well clean and obtain gauges, and POOH.
7. 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 Model "R" 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'.
8. ND BOP and NU wellhead. Pump off pump-out plugs and record final gauges. Return well to production.

Recommended:



Approved:

 12/18/95

# Cain #15M

## CURRENT

Blanco Mesaverde/Basin Dakota Dual

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

Today's Date: 12/13/95

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'

