

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  
1150' FSL, 1095' FWL, Sec. 20, T-26-N, R-4-W, NMPM

5. Lease Number  
Jic Contract 103  
6. If Indian, All. or  
Tribe Name  
Jicarilla Apache  
7. Unit Agreement Name

8. Well Name & Number  
Jicarilla 103 #18  
9. API Well No.  
30-039-25536  
10. Field and Pool  
Basin Fruitland Coal  
11. County and State  
Rio Arriba 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 checked="" 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 -	

13. Describe Proposed or Completed Operations

Attached is a revised operations plan for the subject well.

RECEIVED  
SEP 20 1995

OIL CON. DIV.  
DIST. 3

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

Signed [Signature] Title Regulatory Administrator Date 8/24/95

(This space for Federal or State Office Use) SEP 19 1995

APPROVED BY [Signature] Title 501 Date SEP 19 1995

CONDITION OF APPROVAL, if any:

OPERATIONS PLAN

Well Name: Jicarilla 103 #18  
Location: 1150' FSL, 1095' FWL Section 20, T-26-N, R-4-W  
Latitude 36° 28' 03", Longitude 107° 16' 20"  
Rio Arriba County, NM  
Formation: Basin Fruitland Coal  
Elevation: 6790' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2730'	
Ojo Alamo	2730'	3070'	aquifer
Kirtland	3070'	3222'	
Fruitland	3222'	3380'	gas
Fruitland Coal	3305'	3377'	gas
Pictured Cliffs	3380'		
Total Depth	3522'		

Logging Program: Mud logs from 3000' to Total Depth.

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-3220'	Non-dispersed	8.4-9.1	30-60	no control
3070-3522'	Formation Water	8.4		no control

**Casing Program:**

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3220'	7"	20.0#	K-55
6 1/4"	3070' - 3522'	5 1/2"	15.5#	K-55

**Tubing Program:**

0' - 3522'	2 3/8"	4.7#	J-55
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**Float Equipment:** 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3070'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

**Wellhead Equipment:** 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.