

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <p>2. Name of Operator <del>Meridian Oil Inc.</del> <u>SOUTHLAND ROYALTY COMPANY</u></p> <p>3. Address &amp; Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M 1540' FNL, 990' FEL Sec. 16 T-26-N, R-2-W, NMMPM</p>	<p>5. Lease Number NM-046</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name &amp; Number Tapacitos #3</p> <p>9. API Well No. 30-039-</p> <p>10. Field and Pool Gavilan Mancos</p> <p>11. County and State Rio Arriba Co, NM</p>
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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 -	

13. Describe Proposed or Completed Operations

It is intended to cut a window, and horizontally sidetrack this well in the Gavilan Mancos formation per the attached procedure. Also attached is a schematic showing the intended location of the high angle hole.

**RECEIVED**  
MAR 15 1993  
OIL CON. DIV.  
DIST. 3

**CONFIDENTIAL**

RECEIVED  
BLM  
53 FEB -5 PM 2:50  
070 FARMINGTON, NM

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

Signed [Signature] Title Regulatory Affairs Date 2/4/93

This space for Federal or State Office use)  
APPROVED BY [Signature] Title Acting Area Manager Date 3/3/93

CONDITION OF APPROVAL, if any: SEE ATTACHMENT

*Copy For RS order & plot @*

# Meridian Oil

Operation Plan

## Tapacitos #3 Recompletion

### General Information:

Well Name:	Tapacitos #3
Location:	Section 16, T26N-R02W
County, State:	Rio Arriba County, NM
Field:	Gavilan Mancos
Formation:	Niobrara
Elevation:	7354' KB
Completed:	01-05-89

### Casing Record:

Hole size	Csg Size	Wt. / Grade	Set @	TOC
12-1/4"	9-5/8"	32.3# H-40	411'	surface
8-3/4"	5-1/2"	17.0# K-55	5372'	6300'
8-3/4"	5-1/2"	17.0# N-80	7900'	2765'
				DV @ 6267'
				DV @ 4169'

### Tubing Record:

Tubing Size	Wt. / Grade	Set @
2-7/8"	6.5# J-55	7457' (F-Nipple at 7423')

### Recompletion Outline:

Set CIBP at approximately 7000' - Squeeze cement from 7000' to TD

Mill section of 5 1/2"-17.0# casing from 6837' to 6897'

Under-ream section to 8-3/4" from 6837' to 6897'

Set balanced cement plug from 6787' - 7000'

Cement Properties:	Class 'G' w/ 0.5% D65 (Turbulence Inducer)
# of sacks:	66 sacks
Volume (cu ft):	65 cu ft
Excess Slurry:	100%
Slurry Wt.:	17 ppg
Slurry Yield:	0.99 cu ft / sack

Drill to Kick-off point at 6877' - Pick up directional tools and drill build section to 30 degrees with freshwater mud (see attached schematic)

# **Meridian Oil**

## **Operation Plan**

### **Tapacitos #3 Recompletion**

Unload the hole with gas/mist system and continue to build angle to 80 degrees

Pick up steerable assembly and drill approximately 1800' at 80 degrees for a total of 2000' of lateral

Run 2-3/8" perforated tubing to total depth

### **Other Considerations**

The wellbore will remain in the standard drilling window ( no closer than 790' from the outer boundary of Section 16)

No abnormal pressure or temperature zones are expected

No hazardous zones (H2S) are expected

Cementing vendor will provide the appropriate regulatory agency with a chronological log including the cementing rate, cementing pressure, slurry density, and slurry volume for all the cementing work performed.

Section 16 will be dedicated as a standard gas spacing unit for this well

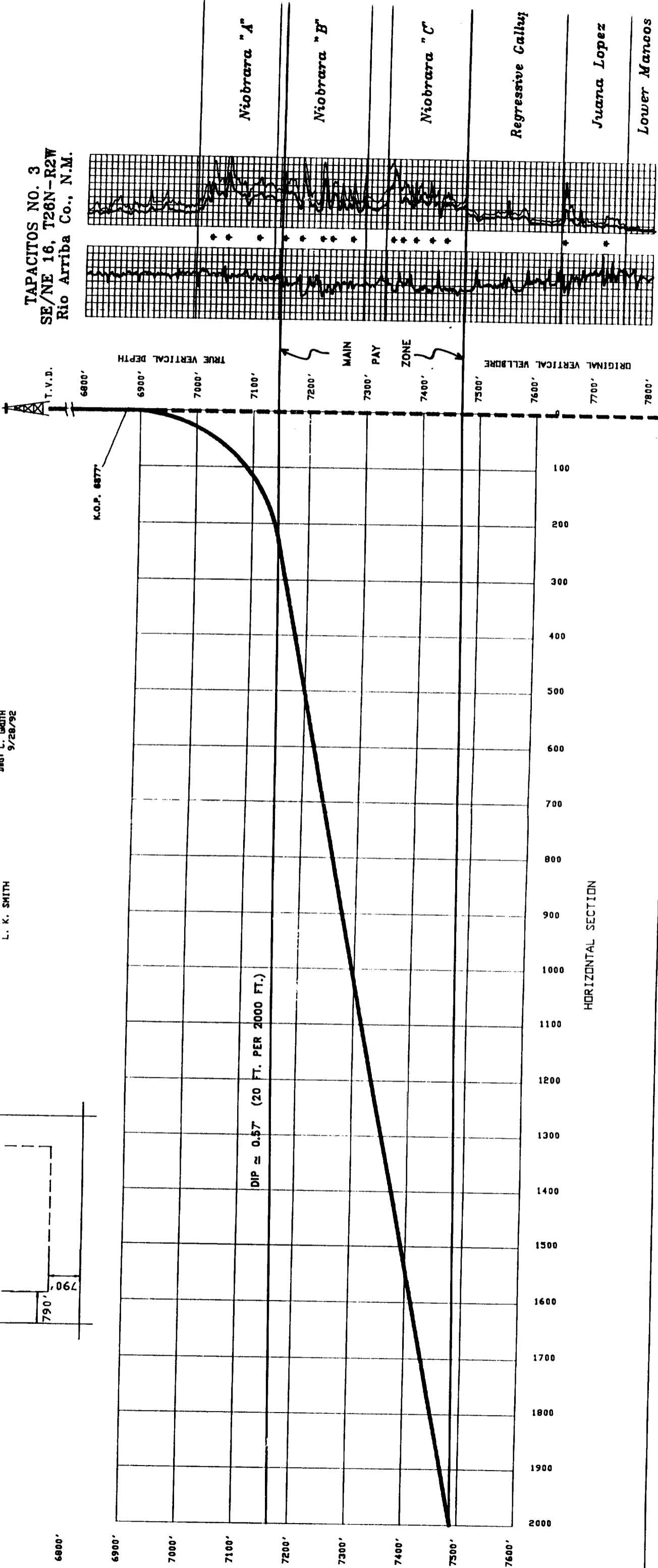
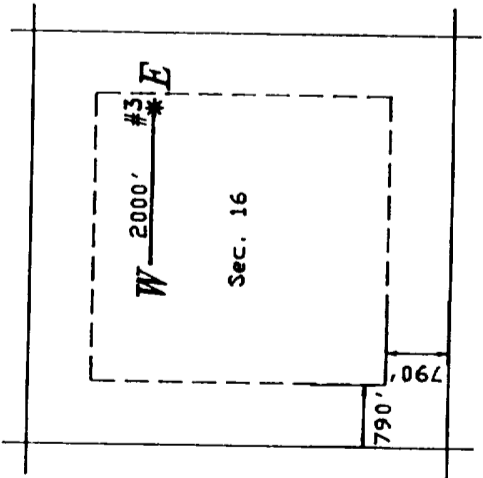
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MERIDIAN OIL

TAPACITOS NO. 3  
HIGH ANGLE NIOBRARA RECOMPLETION  
Rio Arriba County, New Mexico

J. A. SCHUBERT  
P. D. ALLAN  
L. K. SMITH

JMG, C. GROOTH  
9/28/92



6612

BLM CONDITIONS OF APPROVAL

Operator Southland Royalty Co. Well Name Tapacitos #3

Legal Location 1540 FNL, 990 FEL Sec. 16 T. 26 N. R. 2 W.

Lease Number NM-4447

The following stipulations will apply to this well unless a particular Surface Managing Agency (SMA) or private surface owner has supplied to BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between operator and fee land owner will take precedence over BLM surface stipulations unless (In reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimum Federal restoration requirements will be required.

1. Pits will be fenced during workover operation.
2. All disturbances will be kept on existing pad.
3. Appropriate BOP equipment will be used during all operations.