

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

99 SEP 25 11 1:57

070 FARMINGTON, NM

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
2380' FSL, 905' FEL, Sec. 1, T-27-N, R-5-W, NMPM
I

5. Lease Number
SF-079491
6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 27-5 Unit
8. Well Name & Number
San Juan 27-5 U #100M
9. API Well No.
30-039-25591
10. Field and Pool
Blanco MV/Basin DK
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 new operations plan showing revised casing and cement program.

RECEIVED
OCT - 2 1996

OIL CON. DIV.
DIST. 3

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

Signed *Donna Stachurski* Title Regulatory Administrator Date 9/26/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED
SEP 27 1996
DISTRICT MANAGER

OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #100M
Location: 2380' FSL, 905' FEL, Sec 1, T-27-N, R-5-W
 Rio Arriba County, NM
 Latitude 36° 36.1, Longitude 107° 18.2
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7286' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3569'	
Ojo Alamo	3569'	3707'	aquifer
Kirtland	3707'	3990'	
Fruitland	3990'	4165'	gas
Pictured Cliffs	4165'	4292'	gas
Lewis	4292'	4739'	gas
Chacra	4297'	5822'	gas
Intermediate TD	4442'		
Upper Cliff House	5822'	5897'	gas
Massive Cliff House	5897'	5982'	gas
Menefee	5982'	6322'	gas
Massive Point Lookout	6322'	6453'	gas
Lower Point Lookout	6453'	6681'	gas
Mancos	6681'	7426'	gas
Gallup	7426'	8242'	gas
Greenhorn	8242'	8306'	gas
Graneros	8306'	8454'	gas
Dakota	8454'	8572'	gas
Encinal	8572'	8580'	
Burro Canyon	8580'		
TD (4 1/2" liner)	8569'		

Logging Program:**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-4442'	LSND	8.4-9.0	30-60	no control
4442-8569'	Gas	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
14 3/4"	0' - 200'	10 3/4"	40.5#	K-55
9 7/8"	0' - 4442'	7 5/8"	26.4#	J-55
6 3/4"	4292' - 8569'	5 1/2"	17.0#	K-55

Tubing Program:

0' - 5672'	1 1/2", 2.76# IJ
0' - 8569'	1 1/2", 2.90# EUE

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

6" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

10 3/4" x 7 5/8" x 1 1/2" x 1 1/2" x 3000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

10 3/4" surface casing - cement with 290 sx Class "B" cement with 1/4# flocele/sx and 2% calcium chloride (334 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7 5/8" intermediate casing -

first stage - Lead w/71 sx of 65/35 Class "B" Poz w/6% gel and 2% calcium chloride, 0.25 pps cellophane, 5 pps gilsonite. Tail w/100 sx Class "B" w/2% calcium chloride and 0.25 pps cellophane (216 cu.ft. of slurry, 100% excess to circulate to stage tool @ 3940'.)

Second stage - Lead w/869 sx 65/35 Class "B" poz w/6% gel, 2% calcium chloride, and 1/4# flocele/sx. Tail w/100 sx Class "B" w/2% calcium chloride (1692 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 12 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Seven bowspring centralizers spaced every other joint off bottom, with three spaced every fourth joint to the base of the Ojo Alamo at 3707'. Two turbolating centralizers at the base of the Ojo Alamo at 3707'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

5 1/2" Production Liner -

Cement to circulate liner top. Lead with 545 sx 50/50 Class "B" poz w/0.3% dispersant, 6% gel, 3 pps gilsonite and 1/4 pps flocele (714 cu.ft., 100% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.
- The pipe will be rotated and/or reciprocated, if hole conditions permit.

Special Drilling Operations (Gas/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- Deduster equipment will be utilized.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Dakota and Mesa Verde formations will be dually completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	800 psi
Pictured Cliffs	800 psi
Mesa Verde	700 psi
Dakota	2600 psi
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The south half of Section 1 is dedicated to both the Mesa Verde and Dakota in this well.
- This gas is dedicated.


Drilling Engineer

9-25-96
Date