UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

SUNDRY NOTICES AND REPORTS ON WELLS

91 MAR 19 PM 3:19

070 FARMINGTON, N.M.

1. TYPE OF WELL GAS	5. LEASE NUMBER SF-077383-A 6. IF INDIAN,ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME KUTZ CANYON 9. WELL NO. 500
4. LOCATION OF WELL 1260'FSL 986'FWL M	10. FIELD,POOL,OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. SEC. 22 T28N R10W NMPM
14. PERMIT NO. / 15. ELEVATIONS 6088'GL	12. COUNTY SAN JUAN / 13. STATE NM

16. OTHER:

Changing operations plan to 4 1/2" longstring (see attached).

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MAR 29 1991
OIL CON. DIV.
DIST. 3

18. AUTHORIZED BY: _____ 3/18/91
REGIONAL DRILLING ENGINEER — DATE

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-5.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITION OF APPROVAL, IF ANY:

APPROVED
MAR 20 1991
Ken Townsend
FOR AREA MANAGER

NMOCD

OPERATIONS PLAN DATE: MAR 12,1991

Well Name: 500 KUTZ CANYON 1260'FSL 986'FWL
Sec. 22 T28N R10W SAN JUAN NEW MEXICO
BASIN FRUITLAND COAL Elevation 6088'GL

Formation tops: Surface- NACIMIENTO
Ojo Alamo- 1054
Kirtland- 1204
Fruitland- 1944
Fruitland Coal Top- 1995
Fruitland Coal Base- 2138 Total Depth- 2149
Pictured Cliffs- 2139

Logging Program: Mud logs from 1944 to total depth.

Mud Program:

Interval	Type	Weight	Visc.	Fl. Loss
0 - 200	Spud	8.4 - 8.9	40-50	no control
200 - 2149	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:

Hole Size	Depth Interval	Csg. Size	Weight	Grade
12 1/4"	0 - 200	8 5/8"	24.0#	K-55
7 7/8"	0 - 2149	4 1/2"	10.5#	K-55

Tubing Program: 0 - 2149 2 3/8" 4.7# J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - guide shoe on bottom. Float valve one joint off bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1204' . Stage tool @ 1204' . Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembl

Cementing:
8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - First stage: Lead with 70 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl2, 5#/sack Gilsonite, and 1/4#/sack Flocele. Tail with 130 sacks Class "B" with 2% CaCl2. Second Stage: Lead with 190 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl2, 5#/sack Gilsonite, and 1/4#/sack Flocele. Tail with 60 sacks Class "B" with 2% CaCl2. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.
for 30 minutes.

BOP and Tests:

Surface to TD - 11" 3000 psi double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi for 30 minutes.

Completion - 6" 3000 psi double gate BOP stack (Reference Figure #2.) Prior to completion operations, test rams to 3000 psi for 15 minutes.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional Information:

* The Fruitland coal formation will be completed.
* Anticipated Fruitland pore pressure is psi.
* This gas is dedicated.
* The W/2 of Section 22 is dedicated to this well.
* New casing will be utilized.
* Cementing Contractor will provide the BLM with a chronological log including the pump rate and pressure, and the slurry density and volume for all cement jobs.
* Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.