

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 05 1990

OIL CON. DIV.
DIST. 3

SUNDRY NOTICES AND REPORTS ON WELLS

1. TYPE OF WELL GAS		5. LEASE NUMBER SF-078772	
2. OPERATOR MERIDIAN OIL INC.		6. IF INDIAN, ALL. OR TRIBE NAME	
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499		7. UNIT AGREEMENT NAME ROSA UNIT	
4. LOCATION OF WELL 1770'FSL 1110'FWL		8. FARM OR LEASE NAME ROSA UNIT	
		9. WELL NO. 237	
		10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	
		11. SEC. T. R. M OR BLK. SEC. 4 THIN ROCK NMPM	
14. PERMIT NO.	15. ELEVATIONS 6489'GL	12. COUNTY RIO ARRIBA	13. STATE NM
16. OTHER: REVISION			
17. Describe proposed or completed operations			

Attached is a revised operations plan and BOPE diagrams.

Meridian Oil Incorporated conducted a resurvey to verify the correct location of the stake as reported in the Northwest Pipeline APD. The location of the stake has not moved, only the footages have been corrected.

NWPL Survey	1710'FSL	1190'FWL
MOI Survey	1770'FSL	1110'FWL

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AUG 28 1990

OIL CON. DIV
DIST. 3

18. AUTHORIZED BY: [Signature]
REGULATORY AFFAIRS

DATE

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

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(This space for Federal or State office use)

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

Well Name: 237 ROSA UNIT
 Sec. 4 T31N R06W
 BASIN FRUITLAND COAL

1770'FSL 1110'FWL
 RIO ARriba NEW MEXICO
 Elevation 6489'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2395

Kirtland- 2525

Fruitland- 2970

Fruitland Coal Top- 3115

Fruitland Coal Base- 3246

Pictured Cliffs- 3260

Intermediate TD- 3095

Total Depth- 3252

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 300	Spud	8.4 - 8.9	40-50	no control
	300 - 3095	Non-dispersed	8.4 - 9.1	30-60	no control
	3095 - 3252	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 300	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3095	7"	20.0#	K-55
	6 1/4"	3045 - 3252	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3252	2 7/8"	6.5#	J-55

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 the guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2525'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and a 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 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 239 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (282 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 452 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 992 cu ft. of slurry, 110% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

5 1/2" liner - do not cement.

BOP and Tests:

Surface to intermediate TD - 11" 2000 psi(minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi for 30 minutes.

Intermediate TD to TD - 7 1/16" 2000 psi(minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 2500 psi for 30 minutes; all pipe rams and casing to 2500 psi for 30 minutes each.

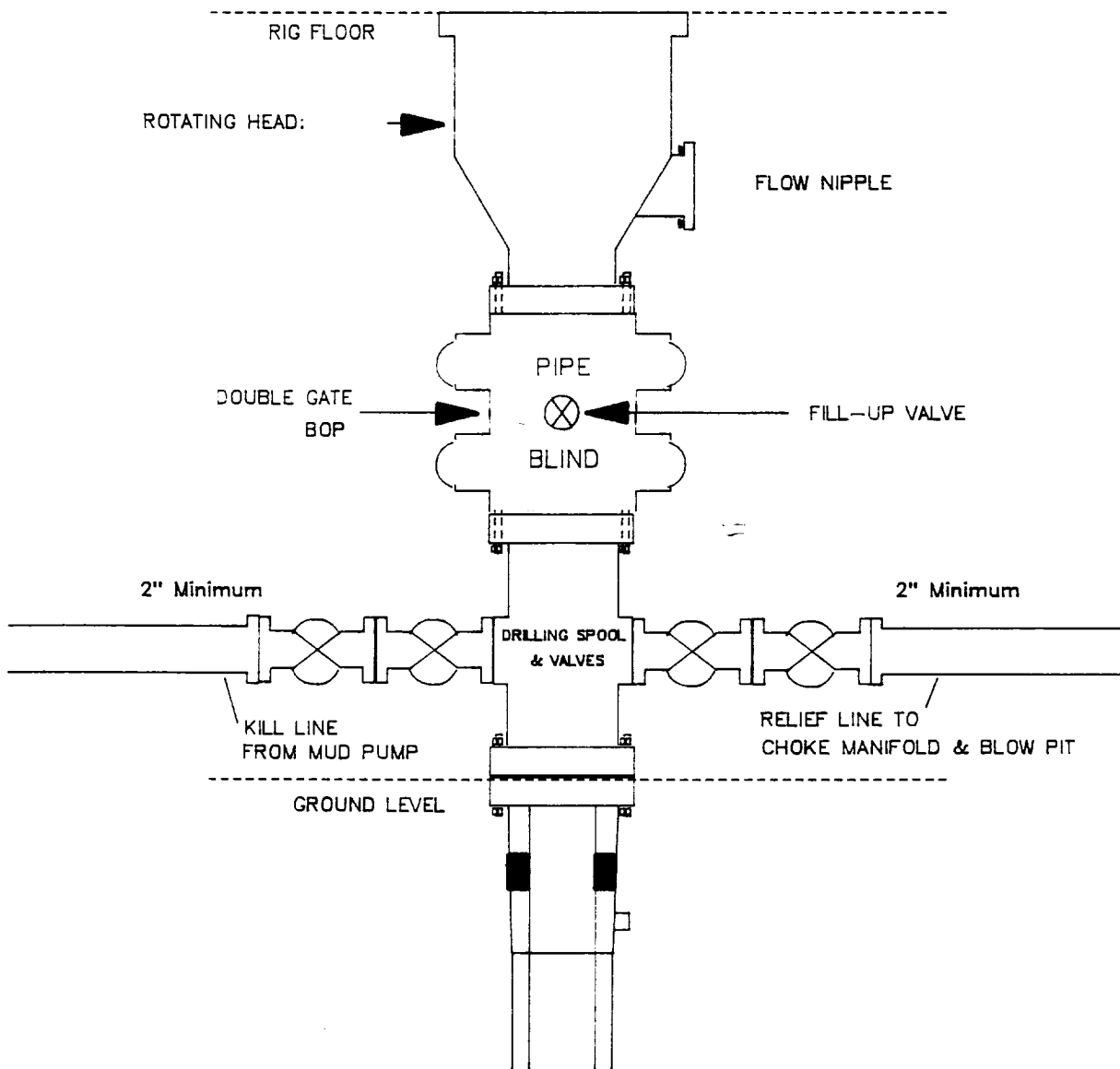
From surface to TD - choke manifold (Reference Figure #3).

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 1705 psi.
- * This gas is dedicated.
- * The S/2 of Section 4 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.

MERIDIAN OIL INC.
Drilling Rig
BOP Configuration

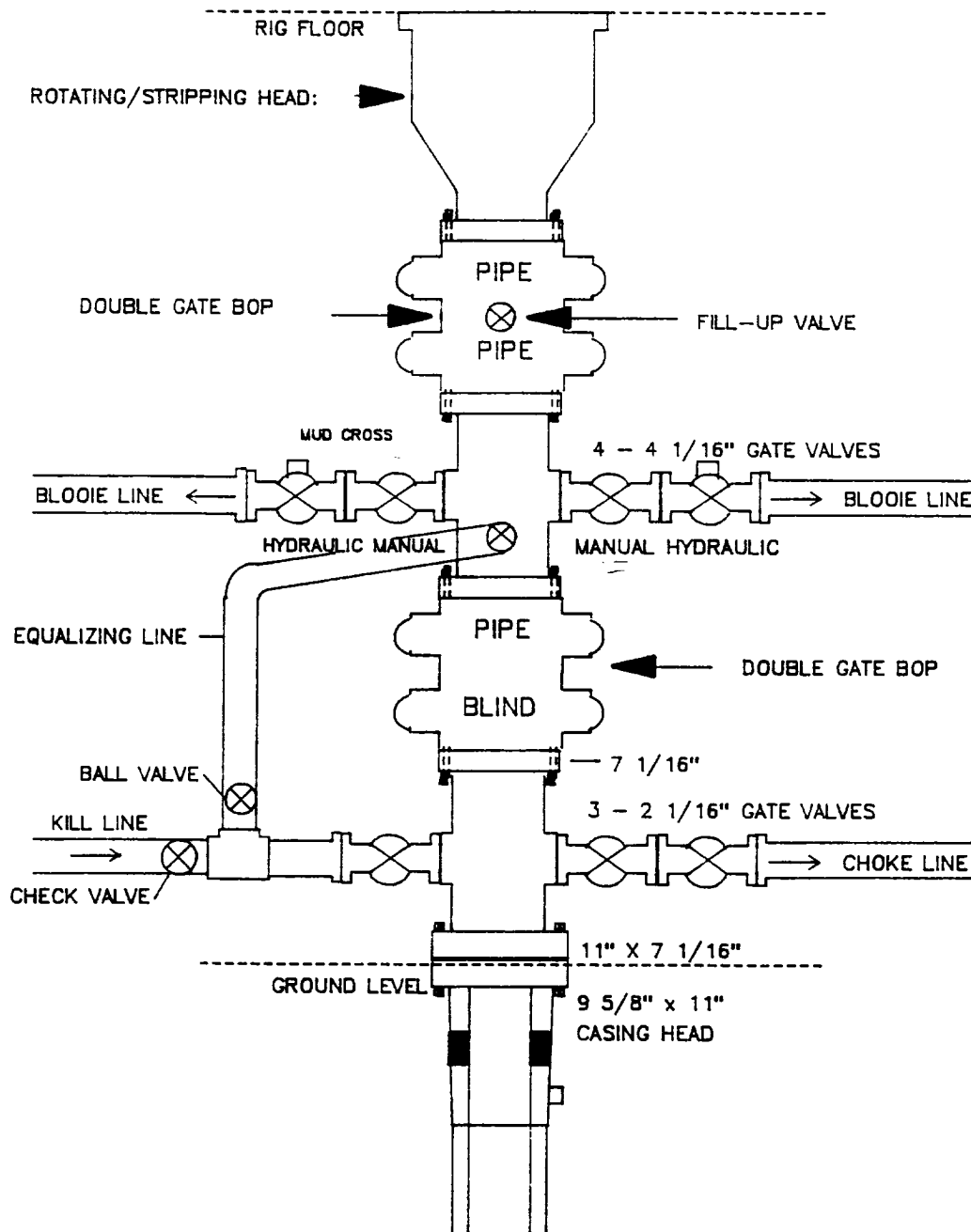


Minimum BOP installation for a typical Fruitland Coal well from surface to Intermediate casing point. 11" Bore (10" Nominal), 2000psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A Schaffer Type 50 equivalent rotating head to be installed on the top of BOP. All equipment is 2000psi working pressure/or greater.

Figure #1

AMS/02-05-90

MERIDIAN OIL INC.
Completion Rig
BOP Configuration



Minimum BOP installation for a typical open-hole Fruitland Coal well from intermediate TD to TD. 7 1/16" Bore (6" Nominal), 2000psi working pressure/ or greater double stack double gate BOP equipped with three pipe and one blind ram.

Figure #2

AMS/02-05-90