

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM MAIL ROOM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL

1b. TYPE OF WELL  
GAS SINGLE ZONE

2. OPERATOR  
MERIDIAN OIL INC.

3. ADDRESS & PHONE NO. OF OPERATOR  
P O BOX 4289  
FARMINGTON, NM 87499

4. LOCATION OF WELL  
980'S 1920'W

5. LEASE NUMBER  
NM-03541

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
HANCOCK

9. WELL NO.  
713

10. FIELD, POOL, OR WILDCAT  
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.  
N SEC. 30 T28N R09W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN  
15 MILES BLANCO

12. COUNTY  
SAN JUAN

13. STATE  
NM

15. DISTANCE FROM  
PROPOSED LOCATION 980'  
TO NEAREST PROPERTY  
OR LEASE LINE.

16. ACRES IN LEASE  
622.74

17. ACRES ASSIGNED TO WELL  
0.00  
S/302.74

18. DISTANCE FROM  
PROPOSED LOCATION  
TO NEAREST WELL DR. 2640'  
COMPL., OR APPLIED  
FOR ON THIS LEASE.

19. PROPOSED DEPTH  
2356'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)  
6265'GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

"Approval of this action does  
not warrant that the applicant  
holds legal or equitable rights  
or title to this lease."

24. AUTHORIZED BY: *John B. [Signature]*  
REGULATORY AFFAIRS

DATE

APPROVED  
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. MAR 28 1989

AREA MANAGER

# OPERATIONS PLAN

DATE: MAR 15, 1989

Well Name: 713 HANCOCK  
 Sec. 30 T28N R09W  
 BASIN FRUITLAND COAL

980'S 1920'W  
 SAN JUAN NEW MEXICO  
 Elevation 6265'GL

Formation tops: Surface- NACIMIENTO  
 Ojo Alamo- 1290  
 Kirtland- 1479  
 Fruitland- 2083  
 Fruitland Coal Top- 2232  
 Fruitland Coal Base- 2355  
 Intermediate TD- 2212  
 Total Depth- 2356  
 Pictured Cliffs- 2357

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 2212	7"	20.0#	K-55
	6 1/4"	2162 - 2356	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2356	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

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.

5 1/2" production liner - 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 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 82 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. 277 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The S/2 of Section 30 is dedicated to this well.

All distances must be from the outer boundaries of the Section.

Operator <b>Meridian Oil Inc.</b>		Lease <b>Hancock</b>		(NM-03541)		Well No. <b>713</b>
Unit Letter <b>N</b>	Section <b>30</b>	Township <b>28 North</b>	Range <b>9 West</b>	County <b>San Juan</b>		
Actual Footage Location of Wells <div style="display: flex; justify-content: space-between;"> <span>980 feet from the South line and</span> <span>1920 feet from the West line</span> </div>						
Ground Level Elev. <b>6265'</b>	Producing Formation <b>Fruitland Coal</b>		Pool <b>Basin</b>		Dedicated Acreage: <b>302.74</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

#### CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*[Signature]*  
Name  
Regulatory Affairs

Position  
Meridian Oil Inc.

Company  
**3-15-89**

Date

I hereby certify that the information shown on this plat was obtained from notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**11-28-88**

Registered Professional Engineer and/or Land Surveyor

**Neale C. Edwards**

Certificate No.  
**6857**



