

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28746

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22 JUL 92 PM 1:17

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

BLM

1a. TYPE OF WORK DRILL	1b. TYPE OF WELL GAS	2. OPERATOR MERIDIAN OIL INC. 14538	3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	4. LOCATION OF WELL 790'FNL 1850'FEL	5. LEASE NUMBER SF-078580	6. IF INDIAN, ALL. OR TRIBE NAME	7. UNIT AGREEMENT NAME	8. FARM OR LEASE NAME HOWELL A 7119	9. WELL NO. 303	10. FIELD, POOL, OR WILDCAT BASIN 71639 FRUITLAND COAL	11. SEC. T. R. M OR BLK. SEC. 8 T30N R08W NMPM	12. COUNTY SAN JUAN	13. STATE NM	14. DISTANCE IN MILES FROM NEAREST TOWN 10 MI NE OF BLANCO	15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 320.00	17. ACRES ASSIGNED TO WELL 320.00	18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1070' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3108'	20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6349'GL	22. APPROX. DATE WORK WILL START 7/20/92	23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN	24. AUTHORIZED BY:  REG. DRILLING ENGR.
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PERMIT NO. _____ APPROVAL DATE _____ **APPROVED AS AMENDED**

APPROVED BY _____ TITLE _____ DATE _____ AUG 06 1992

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. **ARFA MANAGER**

ARCH REPORT SUBMITTED 07/10/92
WILDLIFE REPORT SUBMITTED 06-25-92

NMOCD

Submit to Appropriate
District Office
State Lands - 4 copies
Fee Lands - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED
FPM
Form C-282
Revised 1-1-89

DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

DISTRICT II
P.O. Denver DD, Azusa, NM 88210

DISTRICT III
1000 Rio Arriba Rd., Azusa, NM 87430

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

51 JUL 23 PM 1:17

11/17/92

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Howell A		Well No. 303	
Unit Letter B	Section 8	Township 30 North	Range 8 West	County San Juan		
Actual Footage Location of Well: 790 feet from the North line and 1850 feet from the East line			Dedicated Acreage 320 Acres			
Ground level Elev. 6349'			Producing Formation Fruitland Coal Basin			

- Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, unitization, forced-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 side of this form if necessary.)

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

5285.94

OPERATOR CERTIFICATION

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

Signature
Peggy Bradfield

Printed Name
Peggy Bradfield

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
7-17-92

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field 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
6-15-92
Signature
C. Edwards

Professional Surveyor
3337

California Not

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AUG 10 1992
OIL CON. DIV.
DIST. 3

USA SF-078580

OPERATIONS PLAN

Well Name: Howell A #303
Location: 790'FNL, 1850'FEL Section 8, T-30-N, R-8-W
 San Juan County, New Mexico
Formation: Basin Fruitland Coal
Elevation: 6349'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1929'	aquifer
Ojo Alamo	1929'	2119'	aquifer
Kirtland	2119'	2829'	shale
Fruitland	2829'	2895'	gas
Fruitland Coal Top	2895'	3106'	gas & salt water
Pictured Cliffs	3116'		gas
Total Depth	3108'		

Logging Program: Mud logs from intermediate to Total Depth.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2875'	Non-dispersed	8.4-9.1	30-60	no control
2875-3108'	Formation Water	8.4		no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	K-40
8 3/4"	0' - 2875'	7"	20.0#	K-55
6 1/4"	2725' - 3108'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 3108'	2 3/8"	4.7#	J-55
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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 guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2119'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and 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 160 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (189 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600#/30 minutes.

7" intermediate casing - lead w/422 sacks 65/35 Class "B" Pozmix with 6% gel, 2% calcium chloride, and 1/4#/sack flocele. Tail with 100 sacks Class "B" neat or 2% calcium chloride (864 cu.ft., 100% excess to circulate to surface).

