

30-045-28747

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-081098
1b. TYPE OF WELL GAS	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 RIDDLE COM.
4. LOCATION OF WELL 830'FNL 790'FEL	9. WELL NO. 202
14. DISTANCE IN MILES FROM NEAREST TOWN 6 MI NAVAJO DAM P.O.	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. SEC. 10 T30N R09W NMPM
16. ACRES IN LEASE	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 850' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2775'
21. ELEVATIONS (DF, FT, GR, ETC.) 6004'GL	20. ROTARY OR CABLE TOOLS ROTARY
22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>[Signature]</u> REG. DRILLING ENGR.	DATE <u>7/20/92</u>

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

**APPROVED
AS AMENDED**

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. AUG 08 1992

ARCH REPORT SUBMITTED 07/10/92

WILDLIFE REPORT SUBMITTED 07-14-92

APPEA MANAGER

NMOCD

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-182
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Grande Rd., Alamo, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Riddle Com		Well No. 202
Line Letter A	Section 10	Township 30 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 830 feet from the North line and 790 feet from the East line.					
Ground level Elev. 6004'		Producing Formation Fruitland Coal		Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or inkline marks 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 communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation NM-80135
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 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 interest, has been approved by the Division.

5239.08

OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Affairs
Position

Meridian Oil Inc.
Company

7-17-92
Date

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.
6-20-92

Date Surveyed
New Mexico
Professional Surveyor
3337

[Signature]
Catherine Mc
Commission No.

OPERATIONS PLAN

Well Name: Riddle Com #202
Location: 830'FNL, 790'FEL Section 10, T-30-N, R-9-W
 San Juan County, New Mexico
Formation: Basin Fruitland Coal
Elevation: 6004'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1532'	aquifer
Ojo Alamo	1532'	1627'	aquifer
Kirtland	1627'	2434'	shale
Fruitland	2434'	2442'	gas
Fruitland Coal Top	2442'	2773'	gas & salt water
Pictured Cliffs	2784'		gas
Total Depth	2775'		

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
200-2422'	Non-dispersed	8.4-9.1	30-60	no control
2422-2775'	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' - 2422'	7"	20.0#	K-55
6 1/4"	2272' - 2775'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 2775'	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 @ 1627'. 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/345 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 (728 cu.ft., 100% excess to circulate to surface).

