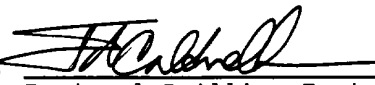


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JUL 22 1993	5. Lease Number SF-079729
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL	OIL CON. DIV. 1 DIST. 3	7. Unit Agreement Name San Juan 28-4 Unit 7459
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name San Juan 28-4 Unit 9. Well Number 226
4. Location of Well 2030' FSL, 1570' FWL Latitude 36° 39' 35", Longitude 107° 16' 36"		10. Field, Pool, Wildcat Basin Ft Coal 74629 Choza Mesa PC EXT 74960 11. Sec., Twn, Rge, Mer. K Sec 17, T-28-N, R-4-W, NMMPM
14. Distance in Miles from Nearest Town 6 miles to Gobernador, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1570'	RECEIVED BLM 93 MAY 28 PM 3:17 070 FARMINGTON, NM	
16. Acres in Lease 2560.00 ORILLING OPERATIONS AUTHORIZED AND SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".		
17. Acres Assigned to Well S/2 320 SW/4 160		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 110'		
19. Proposed Depth 4570'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7429' GR	22. Approx. Date Work will Start 2nd quarter 1993	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: 	Date 5/25/93	
Regional Drilling Engineer		

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
APPROVED AS AMENDED

Archaeological Report to be submitted
Threatened and Endangered Species Report done by Forest Service

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NSL-3275 (4)

NMOCD

JUL 20 1993
DISTRICT MANAGER

Schedule to Acquire
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
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 Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc. Lease San Juan 28-4 Unit

Unit Letter Section Township Range County
K 17 28 North 4 West NM

Actual Footage Location of Well:
2030 feet from the South line and 1570 feet from the West line

Ground level Elev. 7429' Producing Formation Fruitland Coal/Pic. Cliffs Pool Basin/Choza Mesa EXT Dedicated Acreage 320/160 Acres

- Outline the acreage dedicated to the subject well by corner point or boundary 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: unitization
If answer is "no" list the owners and their 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 communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

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

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. 4-14-93

Date Surveyed
New Mexico

Signature of Surveyor
Professional Surveyor

3257

Certificate No.

070 FARMINGTON, NM
93 MAY 28 PM 8:17
RECEIVED
BL 222
No Arriba

RECEIVED

JUL 22 1993

OIL CON. DIV
DIST. 3

SF-079729

1570'

2030'

5288.58'

5280.00'

5280.00'

OPERATIONS PLAN

Well Name: San Juan 28-4 Unit #226
Location: 2030'FSL, 1570'FWL Section 17, T-28-N, R-04-W
 Rio Arriba County, New Mexico
 Latitude 36° 39' 35", Longitude 107° 16' 36"
Formation: Basin Fruitland Coal/Choza Mesa Pictured Cliffs
Elevation: 7429'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	3765'	
Ojo Alamo	3765'	3925'	aquifer
Kirtland	3925'	4160'	
Fruitland	4160'	4310'	
Fruitland Coal Top	4235'	4390'	gas
Pictured Cliffs	4310'	4570'	gas
Total Depth	4570'		

Logging Program: Mud logs from 4100' to Total Depth.
 DIL, CNL-LDT, ML, NGT, HR Density -surface to TD.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-4570'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0 - 200'	8 5/8"	24.0#	K-40
7 7/8"	0 - 4570'	4 1/2"	10.5#	K-55

Tubing Program:

0 - 4570'	2 3/8"	4.7#	J-55
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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 - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 3925'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3925'. 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 assembly.

