

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 MAR 24 1993	5. Lease Number SF 078386
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL <i>Oil CON. DIV.</i> <i>145-28</i> DIST. 3	7. Unit Agreement Name San Juan 32-9 Unit <i>7473</i>	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 32-9 Unit	9. Well Number 5R
4. Location of Well 945' FSL, 1485' FWL Latitude 36° 53' 36", Longitude 107° 46' 15"	10. Field, Pool, Wildcat <i>2234</i> Blanco Mesa Verde	11. Sec., Twn, Rge, Mer. Sec 15, T31N, R9W NMPM
14. Distance in Miles from Nearest Town 6 miles from Cedar Hill, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 945'	17. Acres Assigned to Well 315.36 <i>W/2</i>	RECEIVED BLM MAR 22 1993
16. Acres in Lease <i>126-44-10-4</i>	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 800'	22. Approx. Date Work will Start 2nd quarter 1993	
19. Proposed Depth 6126'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6492' GR	24. Authorized by: <i>[Signature]</i> Regional Drilling Engineer	Date <i>3/3/93</i>

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

**APPROVED
AS AMENDED**

Archaeological Report submitted 12-12-92
Threatened and Endangered Species Report submitted 12-29-92

MAILED

MAR 22 1993
DISTRICT MANAGER

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 Brazos 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 32-9 Unit			Well No. 5212.68		
U.S. Letter N	Section 15	Township 31 North	Range 9 West	County NMPM San Juan				
Actual Footage Location of Well: 945 feet from the South line and 1485 feet from the West line								
Ground level Elev. 6492'		Producing Formation Mesa Verde		Pool Blanco		Dedicated Acreage 315.36 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

5212.68			
4	3	2	1
USA NMSF 078386		RECEIVED MAR 24 1993 OIL CON. DIV. DIST. 3	
5	6		
15			
12	11	10	9
#5			
1485'	945'	13	14
5239.08'		15	16

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
2-8-93

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.

Date Surveyed 10-22-92

Signature C. Edwards

Professional Surveyor
6337

Certificate No. 6857

NEW BLM
ROW

EXISTING
R-O-W

MERIDIAN OIL INC
SAN JUAN 32-9 UNIT #5R

T 31 N, R 09 W
800' New Construction

Section 15: E2SW
 SENW
 NENW
 NWNW
Section 10: SWSW
Section 09: SESE

1600'
1400'
100'
1300'
1300'
1100'

OPERATIONS PLAN

Well Name: San Juan 32-9 Unit #5R
Location: 945'FSL, 1485'FWL Section 15, T-31-N, R-09-W
 San Juan County, New Mexico
 Latitude 36° 53' 36", Longitude 107° 46' 15"
Formation: Blanco Mesa Verde
Elevation: 6492'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2075'	
Ojo Alamo	2075'	2270'	aquifer
Kirtland	2270'	2904'	
Fruitland	2904'	3338'	gas
Pictured Cliffs	3338'	3554'	gas
Lewis	3554'	4119'	
Intermediate TD	3754'		
Chacra	4119'	4871'	
Mesa Verde	4871'		gas & oil
Upper Cliff House	4871'	5166'	
Massive Cliff House	5166'	5252'	
Menefee	5252'	5576'	
Massive Point Lookout	5576'	5664'	
Lower Point Lookout	5664'		
Total Depth	6126'		

Logging Program:

Openhole Wireline Logging -
 Surface to Total Depth : CNL/GR
 Intermediate TD to Total Depth : DIL/LDT/Temp
 Mud Logs/Coring/DST -
 Mud logs - Intermediate TD to Total Depth
 Coring - none
 DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-3754'	Weighted	8.4-9.1	30-60	no control
3754-6126'	Gas/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3754'	7"	20.0#	K-55
6 1/4"	3604' - 6126'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6126' 2 3/8" 4.7# J-55