

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28572

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91 MAY 17 AM 7:50

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FARMINGTON DISTRICT AREA

SAN JUAN COUNTY, NEW MEXICO

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL
GAS

RECEIVED

AUG 1 1991

OIL CON. DIV

2. OPERATOR
MERIDIAN OIL INC.

DIST. 3

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

4. LOCATION OF WELL
1100' FSL 1460' FEL

5. LEASE NUMBER

SF-078438

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
SAN JUAN 32-9 UNIT

8. FARM OR LEASE NAME
SAN JUAN 32-9 UNIT 7473

9. WELL NO.
111

10. FIELD, POOL, OR WILDCAT *Blanco*
11. SEC. T. R. M OR BLK. *EXT*
0 SEC. 8 T31N R09W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
8 MILES FROM AZTEC

12. COUNTY
SAN JUAN

13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION 1100'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
155.52

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 1000'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
3633' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6631' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *Stallard*
REG. DRILLING ENGR.

5/10/91
DATE

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

APPROVED
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3

ARCH REPORT SUBMITTED 04/11/91

NMOCD

JUL 30 1991
AREA MANAGER

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

State of New Mexico
Energy, Minerals and Natural Resources Dep.

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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FARMINGTON RESOURCE AREA
BUREAU OF LAND MANAGEMENT

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

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

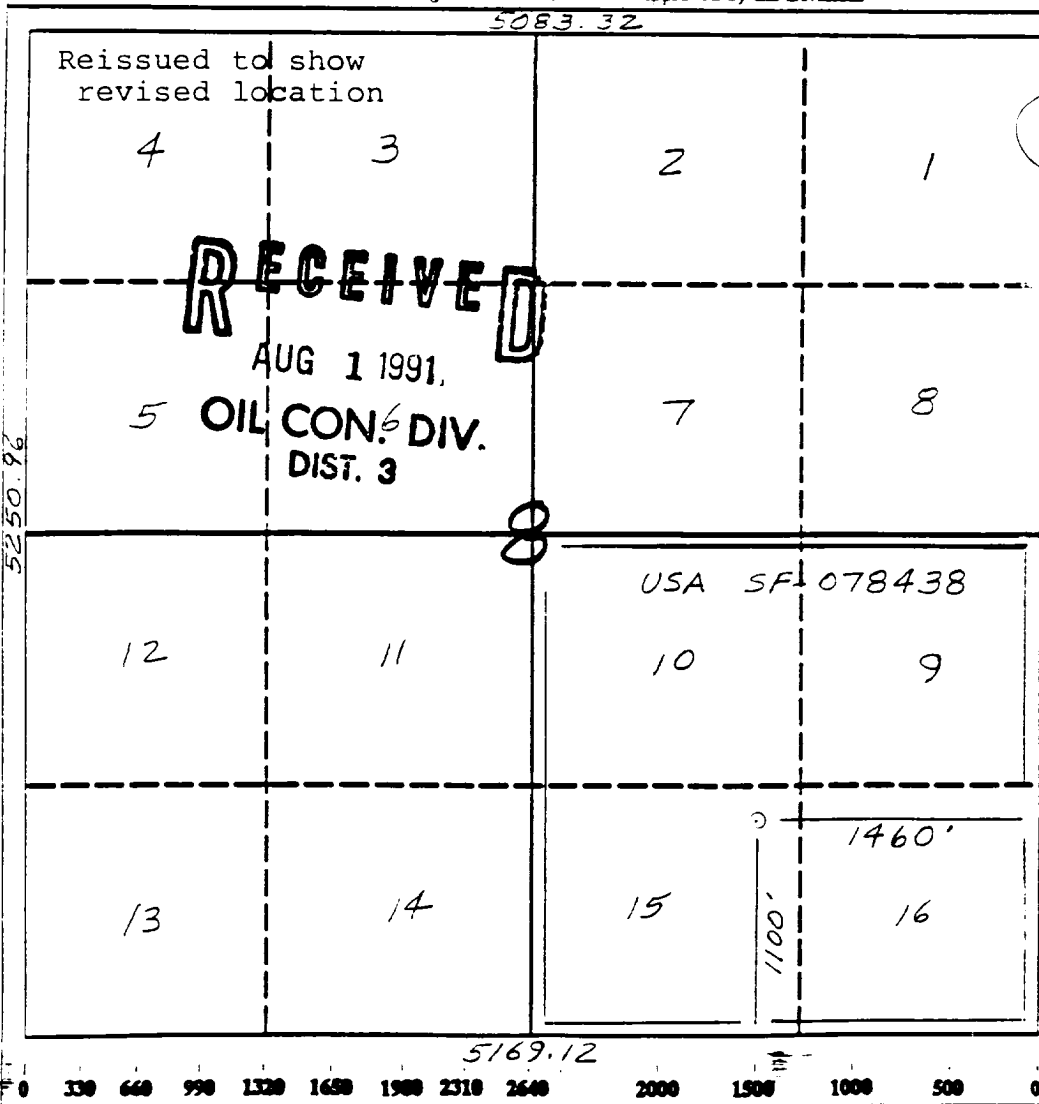
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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. 111
Unit Letter 0	Section 8	Township 31 North	Range 9 West	County San Juan
Actual Footage Location of Well: 1100 feet from the South line and 1460 feet from the East line				
Ground level Elev. 6631'	Producing Formation Pictured Cliffs	Pool Undesignated	Dedicated Acreage: 155.52 Acres	

- 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 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, 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 Bradford
Signature

Peggy Bradford

Printed Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
5-6-91

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.

3-13-91

Date Surveyed

Neale C. Edwards
Signature of Surveyor

Professional Surveyor

NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR

Neale C. Edwards

Well Name: 111 SAN JUAN 32-9 UNIT
 Sec. 8 T31N R09W
 UNDESIG PICTURED CLIFFS

1100' FSL 1460' FEL
 SAN JUAN NEW MEXICO
 Elevation 6631' GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2025
 Kirtland- 2091
 Fruitland- 3062
 Fruitland Coal Top- 3272
 Fruitland Coal Base- 32506
 Pictured Cliffs- 3509

Total Depth- 3633

Logging Program: Mud logs from 3062 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3633	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-55
	7 7/8"	0 - 3633	4 1/2"	10.5#	K-55
Tubing Program:		0 - 3633	2 3/8"	4.7#	J-55

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 - guide shoe on bottom. Float valve one joint off bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2091'. Stage tool @ 2091'. 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

Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - First stage: Lead with 300 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack Gilsonite, and 1/4#/sack Flocele. Tail with 584 sacks Class "B" with 2% CaCl₂, (1044 cu ft of slurry). Second Stage: Lead with 200 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack Gilsonite, and 1/4#/sack Flocele. Tail with 240 sacks of Class "B" cement with 2% CaCl₂, (519 cu ft of slurry, 100% excess to circ. to surface). WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

