

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

3-045-28449

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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
795' FSL 1170' FWL

5. LEASE NUMBER
SF-078389-A

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
SAN JUAN 32-9 UNIT
7473

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

9. WELL NO.
221

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL 71629

11. SEC. T. R. M OR BLK.
SEC. 11 T31N R10W NMPM

12. COUNTY
SAN JUAN

13. STATE
NM

14. DISTANCE IN MILES FROM NEAREST TOWN
11 MILES N/E OF AZTEC

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.
795'

16. ACRES IN LEASE
1116.96

17. ACRES ASSIGNED TO WELL
w/ 315.96

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.
300'

19. PROPOSED DEPTH
3029'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6241' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

NOV 27 1990

24. AUTHORIZED BY:

Danny Boone
REG. DRILLING ENGR.

OIL CON. DIV. 19-90
DATE
DIST. 3

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

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-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

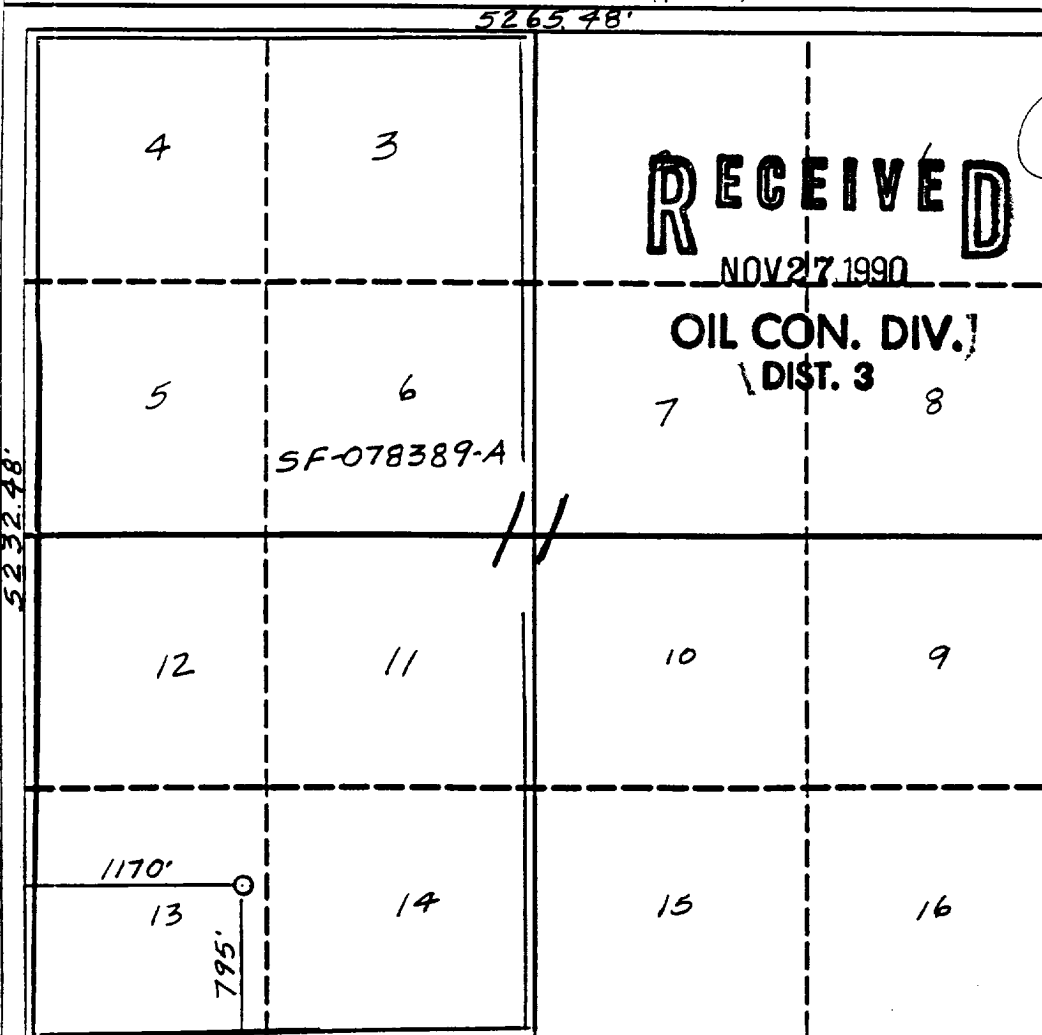
DISTRICT III
1000 Rio Bonos Rd., Aztec, NM 87410

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. 221
Unit Letter M	Section 11	Township 31 North	Range 10 West	County NMNM San Juan	
Actual Footage Location of Well: 795' feet from the South line and 1170' feet from the West line					
Ground level Elev. 6241'		Producing Formation Fruitland Coal		Pool Basin	
				Dedicated Acreage 315.96 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, forced-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.



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
Regulatory Affairs

Position
Meridian Oil Inc.

Company
10-19-90

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.

9-4-90

Date Surveyed

Signature
Professional

NEALE C. EDWARDS

6857

REGISTERED LAND SURVEYOR
Neale C. Edwards

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Well Name: 221 SAN JUAN 32-9 UNIT 795'FSL 1170'FWL
 Sec. 11 T31N R10W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6241'GL

Formation tops: Surface- Nacimiento
 Ojo Alamo- 1508
 Kirtland- 1675
 Fruitland- 2629
 Fruitland Coal Top- 2899 Intermediate TD- 2889
 Fruitland Coal Base- 3027 Total Depth- 3029
 Pictured Cliffs- 3031

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2889	Non-dispersed	8.4 - 9.1	30-60	no control
	2889 - 3029	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 2889	7"	20.0#	K-55
	6 1/4"	2839 - 3029	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3029	2 7/8"	6.5#	J-55

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 the guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1675'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and a 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 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 416 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 922 cu ft. of slurry, 110% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

5 1/2" liner - do not cement.

Map 1
San Juan 32-9 Unit #221
T31N, R10W
No New Construction
No Existing BLM Roads
Within Unit Boundaries

