

30-045-28036

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL 1b. TYPE OF WELL GAS 2. OPERATOR MERIDIAN OIL INC. 3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499 4. LOCATION OF WELL 1005'FSL 890'FWL	5. LEASE NUMBER SF-078504 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 9. WELL NO. 289 10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. SEC. 23 T32N R10W NMPM 12. COUNTY SAN JUAN 13. STATE NM 14. DISTANCE IN MILES FROM NEAREST TOWN 3 MILES NE OF CEDAR HILL 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 890' 16. ACRES IN LEASE 2430.36 17. ACRES ASSIGNED TO WELL W/ 300.90 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 250' 19. PROPOSED DEPTH 3725' 20. ROTARY OR CABLE TOOLS ROTARY 21. ELEVATIONS (DF, FT, GR, ETC.) 6936'GL 22. APPROX. DATE WORK WILL START
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23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS

RECEIVED

24. AUTHORIZED BY:

[Signature]
REG. DRILLING ENGR.

JUL 31 1990

OIL CON. DIV.
DIST. 3

6/30/90
DATE

PERMIT NO. _____

APPROVAL DATE _____

APPROVED
AS AMENDED

APPROVED BY _____ TITLE _____

DATE _____

JUL 27 1990
[Signature]
AREA MANAGER

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

NMOC'D

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

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 (SF-078504) San Juan 02-9 Unit		Well No. 289
Unit Letter M	Section 23	Township 32 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 1005 feet from the South line and 890 feet from the West line					
Ground level Elev. 6936'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 300.90 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or highlighter marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. 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 correct to the best of my knowledge and belief.

Signature
Peggy Bradfield

Printed Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
6-28-90

Date

SURVEYOR CERTIFICATION

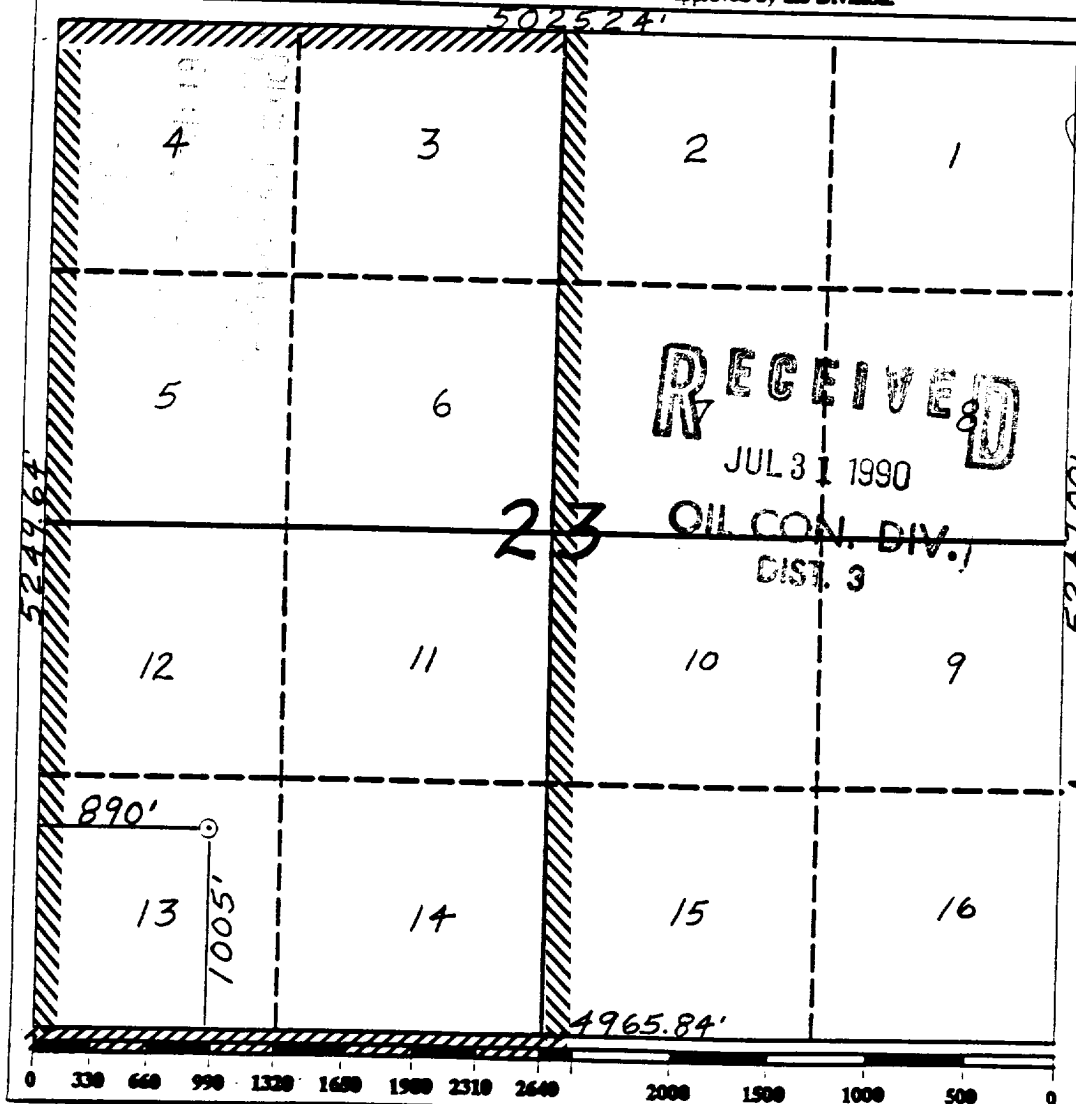
I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
3-30-90

Signature
Neale C. Edwards



Certificate No.
Neale C. Edwards



Well Name: 289 SAN JUAN 32-9 UNIT
 Sec. 23 T32N R10W
 BASIN FRUITLAND COAL

1005'FSL 890'FWL
 SAN JUAN NEW MEXICO
 Elevation 6936'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 1938
 Kirtland- 1979
 Fruitland- 3335
 Fruitland Coal Top- 3493
 Fruitland Coal Base- 3721
 Pictured Cliffs- 3741

Intermediate TD- 3473
 Total Depth- 3725

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 - 3473	Non-dispersed	8.4 - 9.1	30-60	no control
	3473 - 3725	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 - 3473	7"	20.0#	K-55
	6 1/4"	3423 - 3725	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3725	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 @ 1979'. 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 512 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. 1106 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.

San Juan 32-9 Unit #289
T32N, R10W

No New Construction
20400' existing BLM roads
located within
Unit boundaries

MAP #1

