

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-27901
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
790' FSL 955' FWL

5. LEASE NUMBER
SF-078507

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.
293

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
M SEC. 25 T32N R10W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
3 MILES NE OF CEDAR HILL

12. COUNTY 13. STATE
SAN JUAN NM

15. DISTANCE FROM
PROPOSED LOCATION 790'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
2408.26 W/ 299.64

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 600'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
3150' ROTARY

This action is subject to technical and
procedural review pursuant to 43 CFR 3163.5
and appeal pursuant to 43 CFR 3163.4.

21. ELEVATIONS (DF, FT, GR, ETC.)
6309' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY:

Danny Boone for JWC
REG. DRILLING ENGR.

OIL CON. DIV
DIST. 2

5-8-90
DATE

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE APPROVED

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

JUN 18 1990
Ken Townsend
AREA MANAGER

Submit to Appropriate:
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

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, Artesa, NM 88210

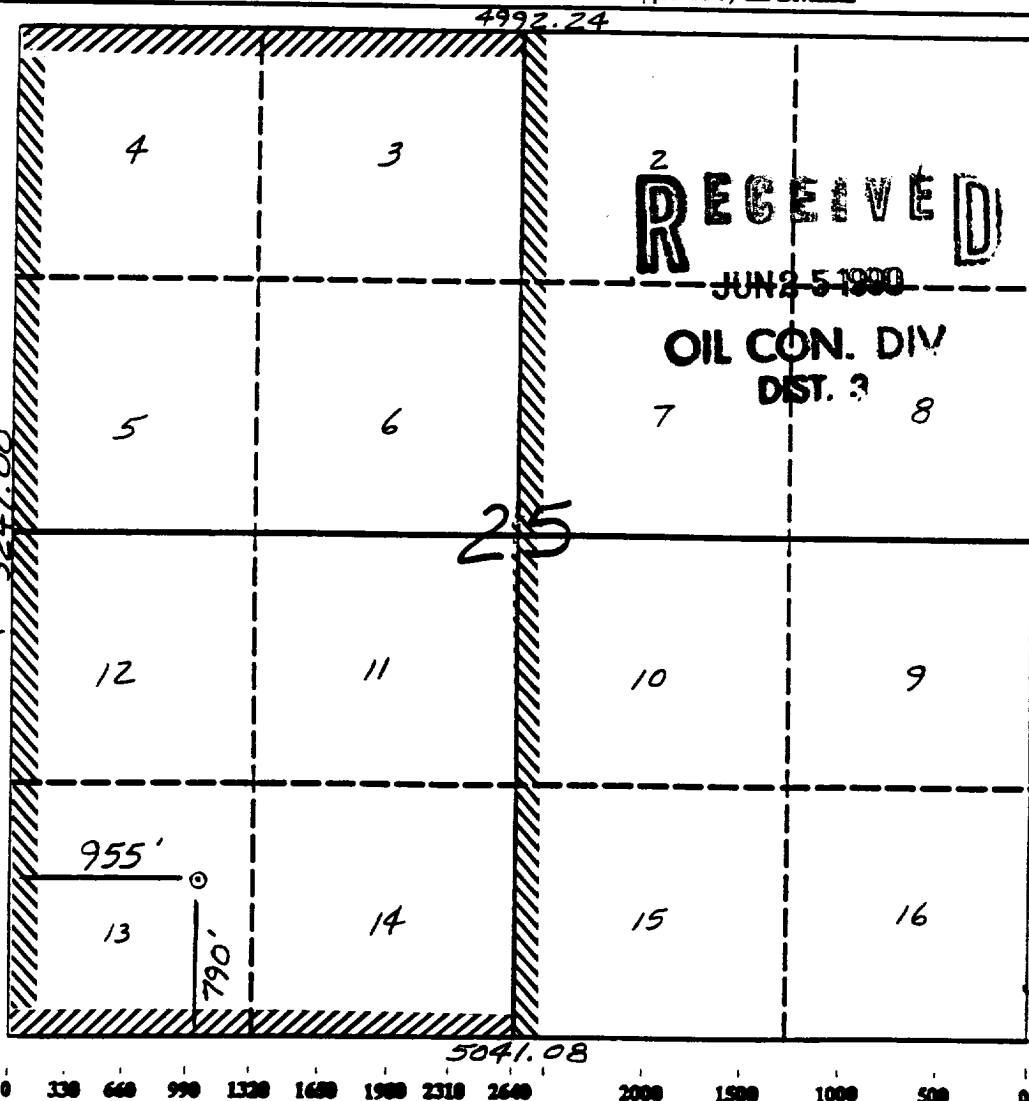
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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 (SF-078507)		Well No. 293
Unit Letter M	Section 25	Township 32 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 955 feet from the West line					
Ground level Elev. 6309'		Producing Formation Fruitland Coal		Pool Basin	
Dedicated Acreage: 299.64 Acres					

1. Outline the acreage dedicated to the subject well by colored pencil or machine 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 complete to the best of my knowledge and belief.

Signature
Peggy Bradfield

Printed Name
Peggy Bradfield

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
5-8-90

Signature
Peggy Bradfield

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Company
Meridian Oil Inc.

Well Name: 293 SAN JUAN 32-9 UNIT
 Sec. 25 T32N R10W
 BASIN FRUITLAND COAL

790' FSL 955' FWL
 SAN JUAN NEW MEXICO
 Elevation 6309' GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1539

Kirtland- 1649

Fruitland- 2697

Fruitland Coal Top- 2891

Fruitland Coal Base- 3147

Pictured Cliffs- 3158

Intermediate TD- 2871

Total Depth- 3150

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 400	Spud	8.4 - 8.9	40-50	no control
	400 - 2871	Non-dispersed	8.4 - 9.1	30-60	no control
	2871 - 3150	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 400	9 5/8"	32.3#	H-40
	8 3/4"	0 - 2871	7"	20.0#	K-55
	6 1/4"	2821 - 3150	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3150	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 and four centralizers run every other joint across Ojo Alamo. Run insert float one joint above the guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1649'. 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 319 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (376 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 418 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. 927 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.

27

26

25

34

35

36

3

2

1

San Juan 32-9 Unit

San Juan 32-9 Unit

DITCH

BLM Lands

Applied
for ROW
Scott #5.R

San Juan 32-9 Unit #293
T31N, R10W (MAP #1)

400' New Construction
8400' of existing BLM
roads, all located within
Unit Boundaries

7400' E2E2 Section 24, T32N, R10W
existing BLM roads off Lease

All remaining existing roads
located on Fee, state,
applied for ROW

Fee Lands

Stepher
Spring

Miller
Spring

6021 10

6404

6298

6387

6707

6297