

30-045-27775

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 850'FNL 1035'FEL	5. LEASE NUMBER SF-078509 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. 278 10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. L SEC. 31 T32N R09W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 4 MILES NE OF CEDAR HILL 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 850' 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. 500' 21. ELEVATIONS (DF, FT, GR, ETC.) 6823'GL	12. COUNTY SAN JUAN 13. STATE NM 16. ACRES IN LEASE 3136.90 17. ACRES ASSIGNED TO WELL E/309.21 UNLESS OTHERWISE NOTED ARE SECTIONS 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 T32N R09W NMPM 19. PROPOSED DEPTH 3645' 20. ROTARY OR CABLE TOOLS ROTARY This section is subject to technical and procedural review pursuant to 40 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. 22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

JUL 16 1990

24. AUTHORIZED BY: [Signature]
REG. DRILLING ENGR.

OIL CON. DIV.
DIST. 3

6/7/90
DATE

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 Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-88

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

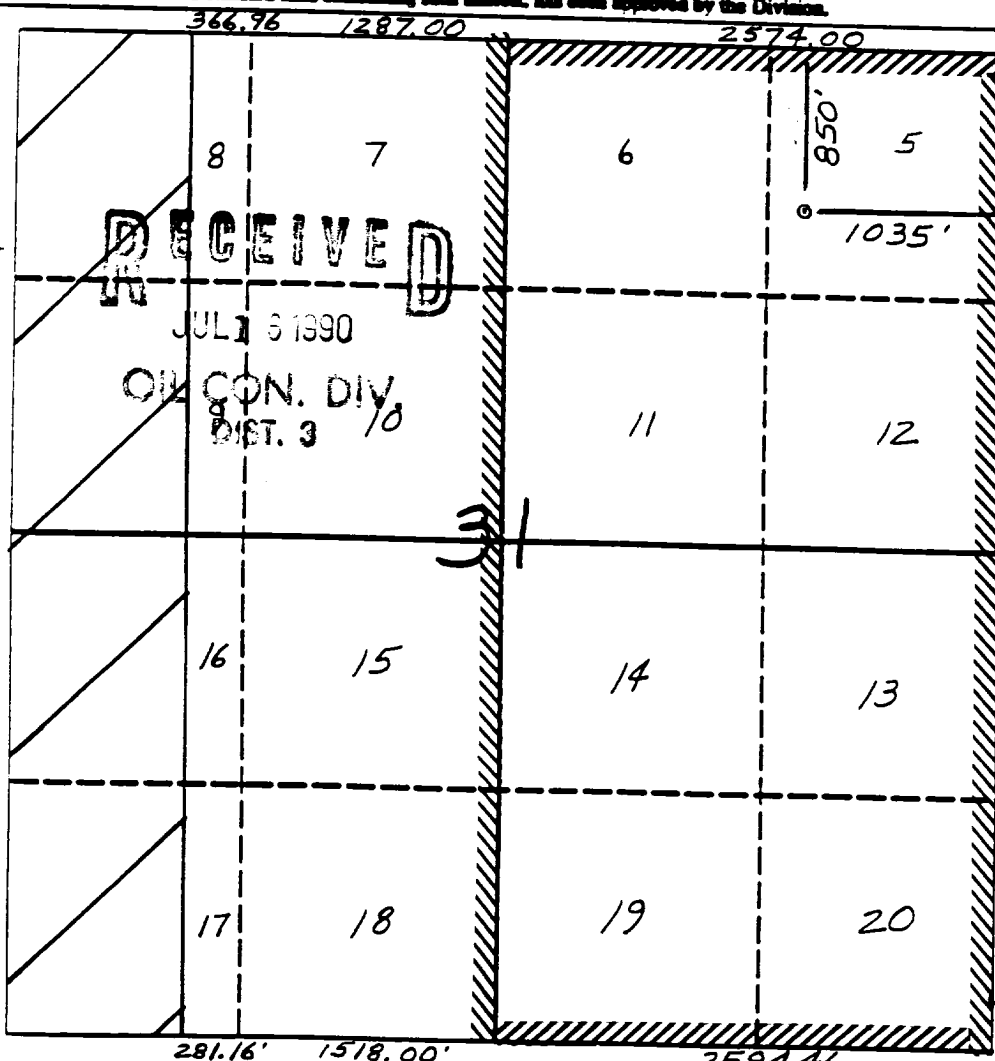
1000 Rio Brazos Rd., Aztec, NM 87410

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 (SF-078509)		Well No. 278
Unit Letter A	Section 31	Township 32 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 850 feet from the North line and 1035 feet from the East line					
Ground level Elev. 6823'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 309.21 Acres

- Outline the acreage dedicated to the subject well by colored pencil or inkline 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 allowance 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
6-7-90

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.

Date Surveyed
NEALE O. EDWARDS

Signature of Sealer
Professional Surveyor

REGISTERED LAND SURVEYOR

Certificate No.
6857

Well Name: 278 SAN JUAN 32-9 UNIT
 Sec. 31 T32N R09W
 BASIN FRUITLAND COAL

850'FNL 1035'FEL
 SAN JUAN NEW MEXICO
 Elevation 6823'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1899

Kirtland- 2131

Fruitland- 3226

Fruitland Coal Top- 3400

Fruitland Coal Base- 3642

Pictured Cliffs- 3668

Intermediate TD- 3380

Total Depth- 3645

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 - 3380	Non-dispersed	8.4 - 9.1	30-60	no control
	3380 - 3645	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 - 3380	7"	20.0#	K-55
	6 1/4"	3330 - 3645	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3645	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 @ 2131'. 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 496 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. 1077 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 # 278
T31N, R9W

NO New Construction

8500' of existing BLM
roads, all located within
Unit Boundaries

500' SESE, Sec 30, T32N, R9W
off Lease ROW

Remaining existing roads on fee,
state + approved BLM ROW

MAP #1

BLM Lands

SS 32-9 Unit #277

SJ 32-9 Unit # 278

San Juan 32-9 Unit

State Lands

BLM Lands

State Lands

BLM Lands

Fee Lands

San Juan 32-9 Unit

Existing ROW

