

30-045-27779

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 1850'FNL 1295'FEL	5. LEASE NUMBER NM-01594 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. 213 10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. H SEC. 14 T31N R10W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 4 MILES E. OF CEDAR HILL	12. COUNTY SAN JUAN 13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 1295' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 861.59 E/315.52 This action is subject to technical and precedential review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.1
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 3152' ROTARY DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
21. ELEVATIONS (DF, FT, GR, ETC.) 6360'GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

MAY 04 1990

24. AUTHORIZED BY: *St. Calme*
REG. DRILLING ENGR.

OIL CON. DIV.
DIST. 3

4/2/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

**APPROVED
AS AMENDED**

APPROVED BY _____ TITLE _____

DATE APR 30 1990
Ken Townsend

FOR AREA MANAGER

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

ok
(C)

BLM

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 San Juan 32-9 Unit (NM-01594)		Well No. 213
Unit Letter H	Section 14	Township 31-North	Range 10-West	County NMPM	San Juan
Actual Footage Location of Well:					
1850 feet from the North		line and	1295 feet from the East	line	
Ground level Elev. 6360'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage 315.52 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hectare 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 commutation, 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 commutation, 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
Regulatory Affairs

Position
Meridian Oil Inc.

Company
3-29-90

Date

SURVEYOR CERTIFICATION

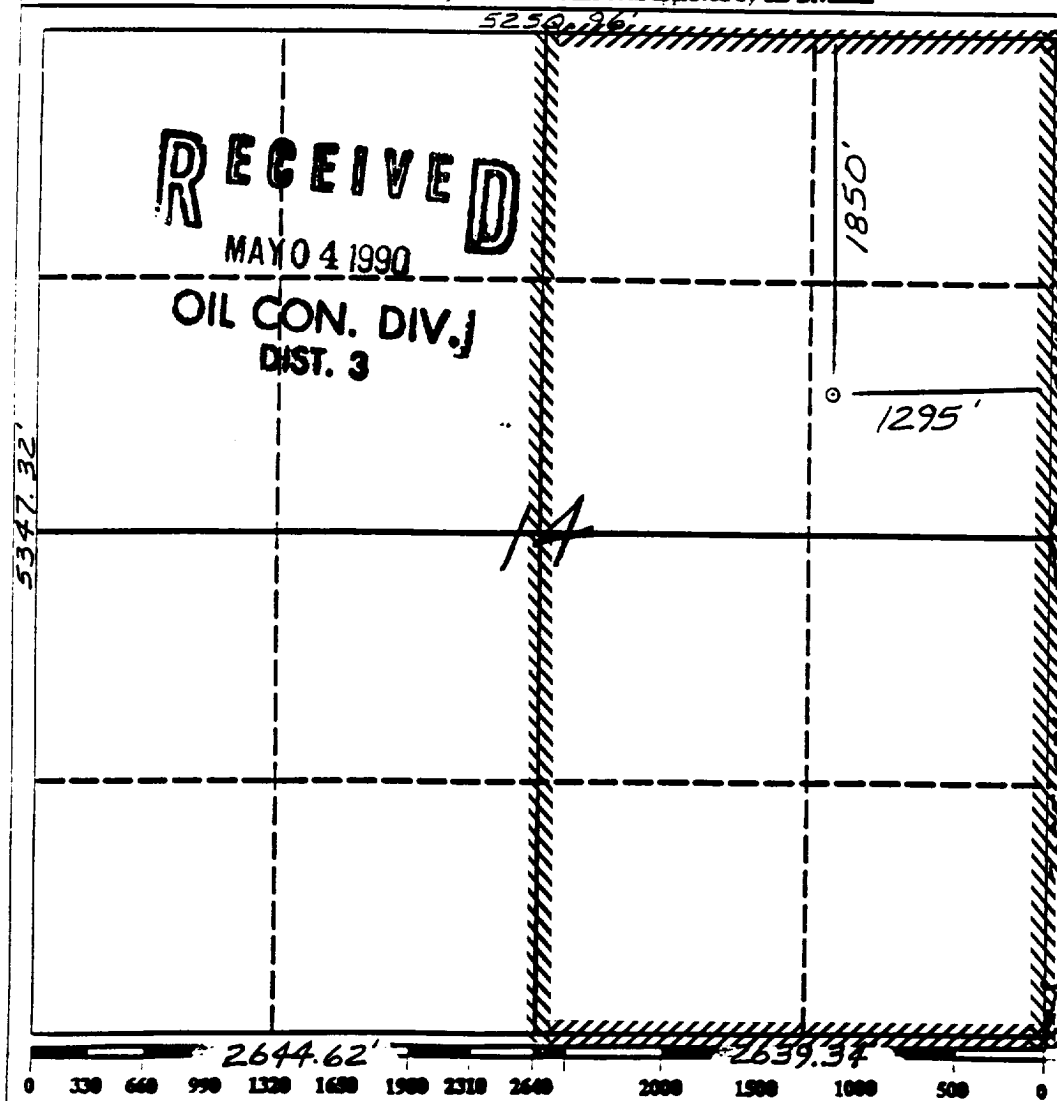
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Neal C. Edwards

Signature of Sealed Professional Surveyor
857

REGISTERED LAND SURVEYOR
6857

Certificate No.
6857



[illegible]

Well Name: 213 SAN JUAN 32-9 UNIT
 Sec. 14 T31N R10W
 BASIN FRUITLAND COAL

1850'FNL 1295'FEL
 SAN JUAN NEW MEXICO
 Elevation 6360'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 1605
 Kirtland- 1720
 Fruitland- 2795
 Fruitland Coal Top- 2982
 Fruitland Coal Base- 3150
 Intermediate TD- 2962
 Total Depth- 3152
 Pictured Cliffs- 3158

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 - 2962	Non-dispersed	8.4 - 9.1	30-60	no control
	2962 - 3152	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 - 2962	7"	20.0#	K-55
	6 1/4"	2912 - 3152	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3152	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

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.

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 428 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. 945 cu ft. of slurry, 110% excess to circulate to surface. WOC 12 hours.

5 1/2" liner - do not cement.

SAN JUAN 32-9 UNIT #213

1850' FNL 1295' FEL

Sec. 14 T31N R10W

SAN JUAN CO., NM

On lease, Fee and Existing
ROW

NM 71449

NM 71365

NM 01594

New Construction

150'

150' NEW

CONSTRUCTION

MAP #1