

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

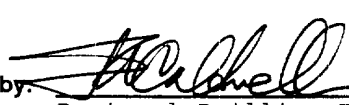
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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-25369

070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-080516B	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name San Juan 28-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7460 San Juan 28-5 Unit 9. Well Number 212	
4. Location of Well 1850' FSL, 985' FWL Latitude 36° 39' 33", Longitude 107° 21' 06"	10. Field, Pool, Wildcat Basin Ft Coal/ 716 249 6. Bianco Pic. Cliffs 321 T85920 11. Sec., Twn, Rge, Mer. L Sec 15, T-28-N, R-5-W NMPM	
14. Distance in Miles from Nearest Town 3 miles to Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 985'	17. Acres Assigned to Well 320 S/2; 160 SW/4	
16. Acres in Lease 600	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'	
19. Proposed Depth 3700'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc) 6618' GR	22. Approx. Date Work will Start 2nd quarter 1994	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by:  Regional Drilling Engineer	
		Date 12/20/93

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

APPROVED
AS AMENDED

Archaeological Report to be submitted
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

WMOCD

MAR 22 1994

DISTRICT MANAGER

Schedule to Application
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, Arama, NM 88210

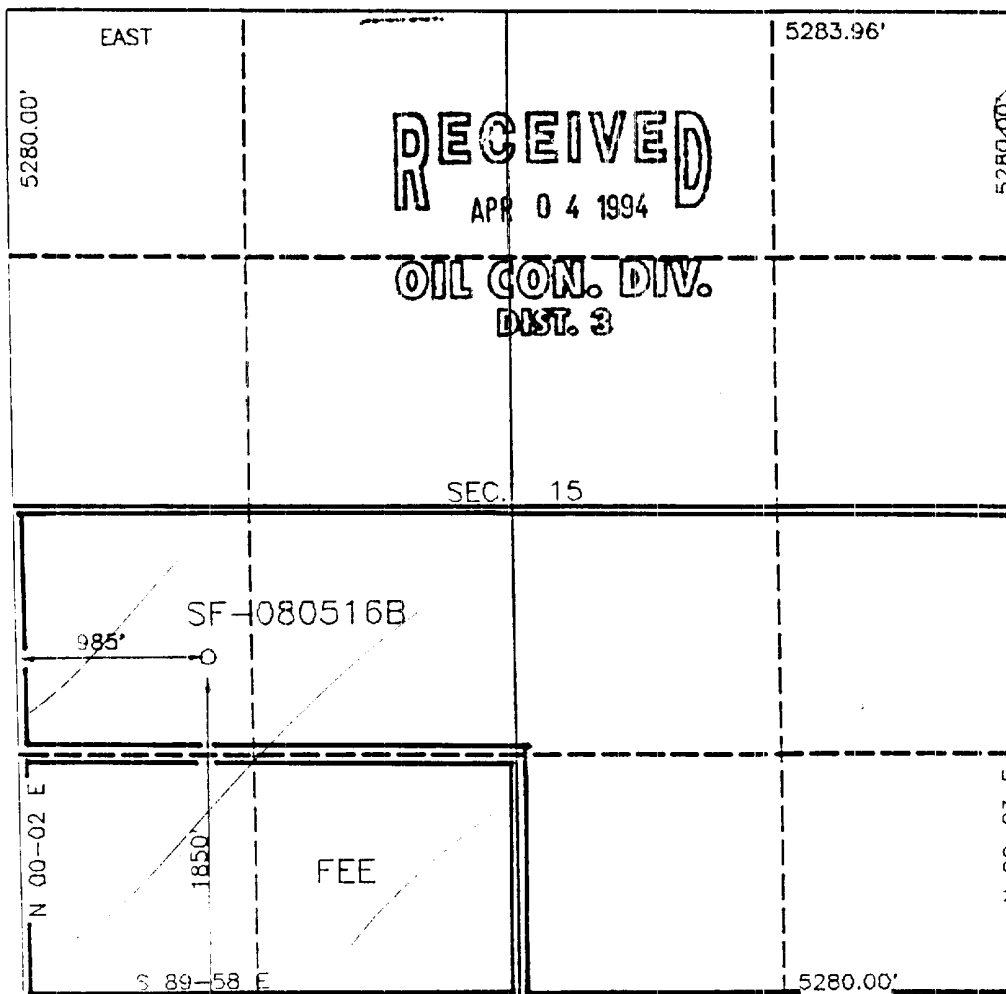
DISTRICT III
1000 Rio Benito Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MERIDIAN OIL INC.		Lease SAN JUAN 28-5		Well No. 212
Unit Letter L	Section 15	Township T.28	Range R.5 W.	County RIO ARRIBA
Actual Footage Location of Well: 1850 feet from the SOUTH line and 985 feet from the WEST line				
Ground level Elev. 6618	Producing Formation Fruitland Coal / Pic. Cliffs Basin / S. Blanco / TRACETO EXT			Dedicated Acreage: 320/160 Acres

- Outline the acreage dedicated to the subject well by colored pencil or ink 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 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 Representative

Company
Meridian Oil Inc.

Date
3-25-94

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 3-25-94
Name of Surveyor C. EDWARDS

Signature of Surveyor [Signature]
Professional Surveyor

License No. 6857

Cartilage No. 6857

0 440 990 1320 1660 1980 2310 2640 2980 3300 3600 3900 4200

OPERATIONS PLAN

Well Name: San Juan 28-5 Unit #212
Location: 1850' FSL, 985' FWL Section 15, T-28-N, R-5-W
 Rio Arriba County, New Mexico
 Latitude 36° 39' 33", Longitude 107° 21' 06"
Formation: Basin Fruitland Coal/S. Blanco Pictured Cliffs
Elevation: 6618' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2945'	
Ojo Alamo	2945'	3015'	aquifer
Kirtland	3015'	3306'	
Fruitland	3306'	3550'	
Fruitland Coal Top	3390'	3544'	gas
Pictured Cliffs	3550'		gas
Total Depth	3700'		

Logging Program: Mud logs from 2900' to Total Depth
 DIL-GR-SP - surface to Total Depth
 GL-GR-SP-CAL/Dens-Neut-GR-CAL - 2900' to Total Depth

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-3700'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program:

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0 - 200'	8 5/8"	24.0#	K-40
7 7/8"	0 - 3700'	4 1/2"	10.5#	K-55

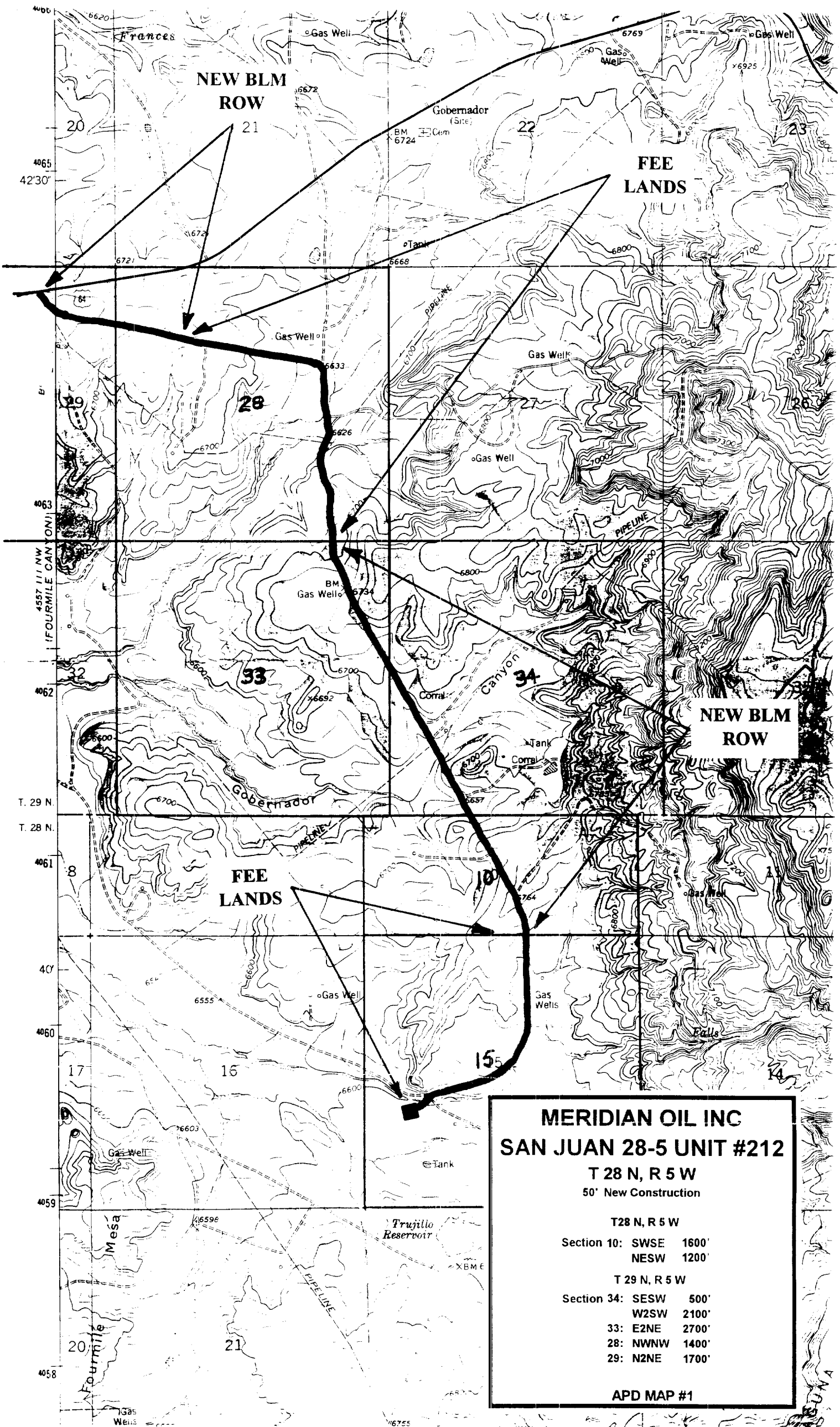
Tubing Program:

0 - 3700'	2 3/8"	4.7#	J-55
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Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 3015'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3015'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.



MERIDIAN OIL INC
SAN JUAN 28-5 UNIT #212
T 28 N, R 5 W
50' New Construction

T 28 N, R 5 W
Section 10: SWSE 1600'
NESW 1200'

T 29 N, R 5 W
Section 34: SESW 500'
W2SW 2100'
33: E2NE 2700'
28: NWNW 1400'
29: N2NE 1700'

APD MAP #1