

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-27966
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079143
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME SAN JUAN 32-9 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 32-9 UNIT
4. LOCATION OF WELL 2040' FSL 2160' FWL	9. WELL NO. 300
14. DISTANCE IN MILES FROM NEAREST TOWN 4 MILES FROM CEDAR HILL	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. K SEC. 11 T32N R10W NMPM
15. DISTANCE FROM PROPOSED LOCATION 2040' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
	13. STATE NM
16. ACRES IN LEASE 374.400	17. ACRES ASSIGNED TO WELL 342.165/328.30 acc
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 600' COMPL., OR APPLIED FOR ON THIS LEASE.	This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3185.4.
19. PROPOSED DEPTH 3255'	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6522' GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

JUL 6 1990

24. AUTHORIZED BY: [Signature] OIL CON. DIV.
REG. DRILLING ENGR. DIST. 3

5/29/90
DATE

PERMIT NO. _____ APPROVAL DATE _____ APPROVED AS AMENDED

APPROVED BY _____ TITLE _____ DATE _____ JUN 20 1990

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

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 1-1-89

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

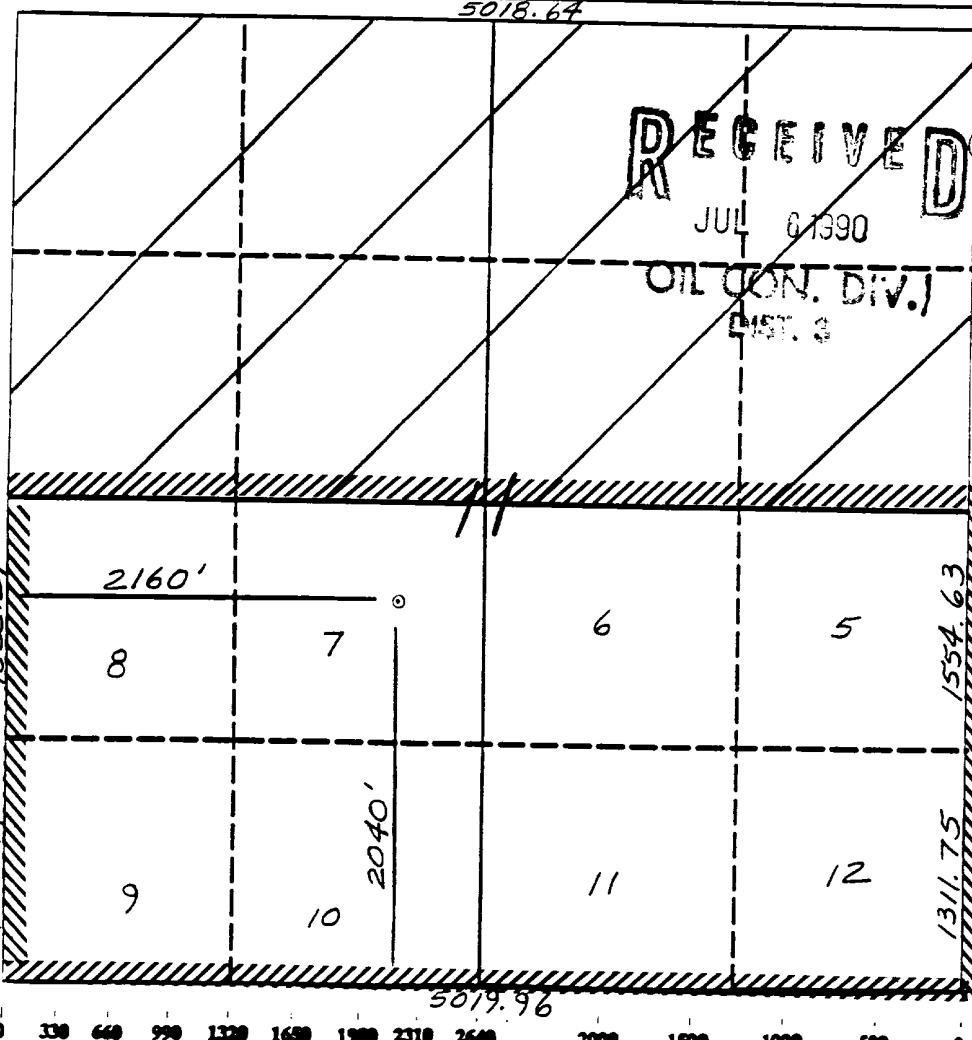
1000 Rio Brazos Rd., Aztec, NM 87410

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 (SF-079143)		Well No. 300
Unit Letter K	Section 11	Township 32 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 2040 feet from the South line and 2160 feet from the West line					
Ground level Elev. 6522'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 342.16 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
Regulatory Affairs
Position
Meridian Oil Inc.
Company
5-29-90
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.
4-7-90.

Date Surveyed
Signature
Professional Surveyor
NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR
Neale C. Edwards

Well Name: 300 SAN JUAN 32-9 UNIT
 Sec. 11 T32N R10W
 BASIN FRUITLAND COAL

2040' FSL 2160' FWL
 SAN JUAN NEW MEXICO
 Elevation 6522' GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1767

Kirtland- 1809

Fruitland- 2916

Fruitland Coal Top- 3051

Fruitland Coal Base- 3253

Pictured Cliffs- 3263

Intermediate TD- 3031

Total Depth- 3255

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 contro.
	200 - 3031	Non-dispersed	8.4 - 9.1	30-60	no contro.
	3031 - 3255	Formation Water	8.4		no contro.

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 - 3031	7"	20.0#	K-55
	6 1/4"	2981 - 3255	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3255	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 @ 1809'. 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.

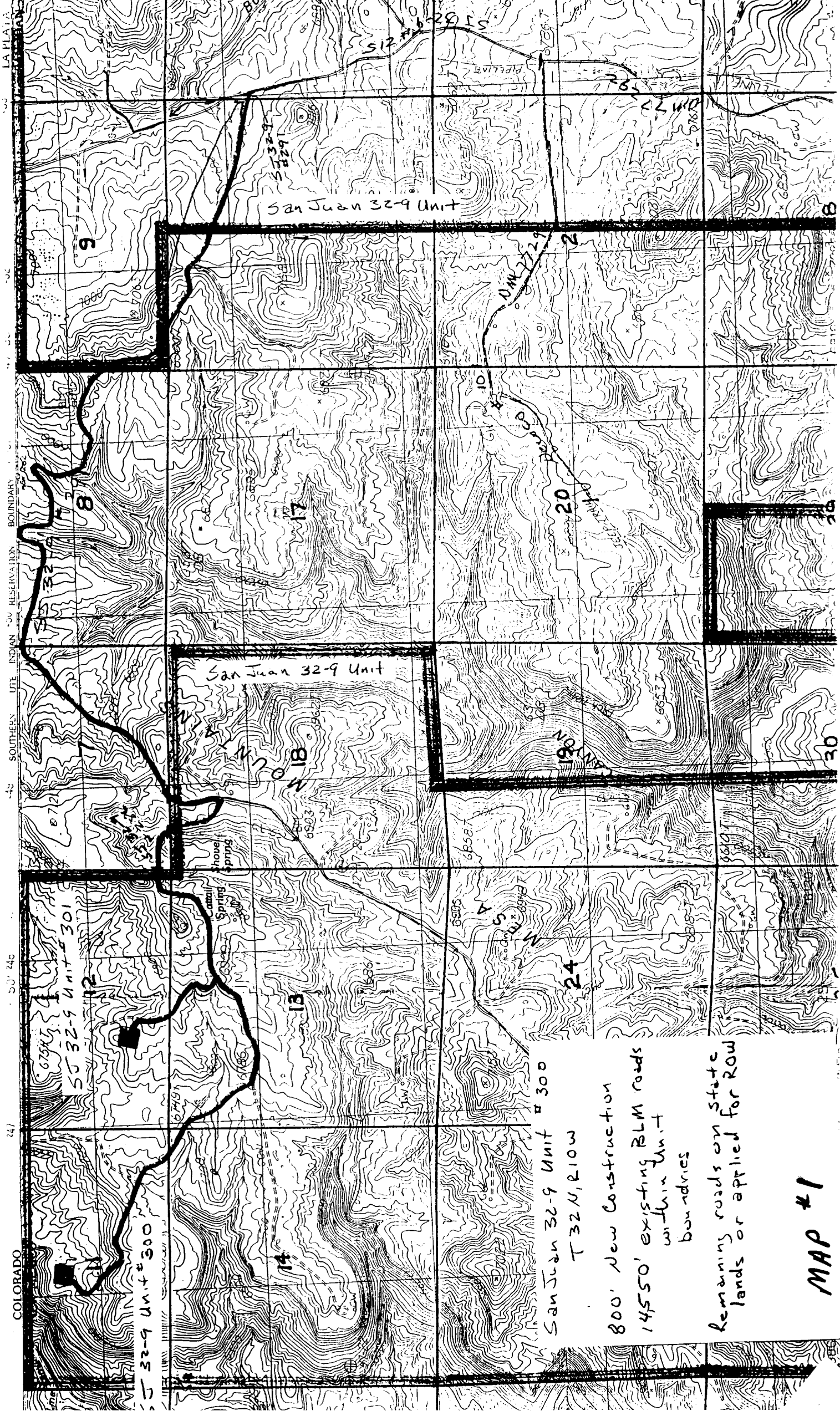
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

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 439 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. 967 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.



800' New Construction
14550' existing BLM roads
within Unit
boundaries
remaining roads on state
lands or applied for ROW

MAP #1