

RECEIVED

JUN 26 1990

OIL CON. DIV

DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

20-045-27932

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079320
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 1305' FSL 905' FWL	9. WELL NO. 215
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES NE OF CEDAR HILL	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 905' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. 17 SEC. 10 T32N R09W NMPM
16. ACRES IN LEASE 737.03	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 367.84	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 400' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3881'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 7060' GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN
24. AUTHORIZED BY:  REG. DRILLING ENGR.	DATE 4/26/90

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

APPROVED

JUN 18 1990

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

Submit to Appropriate
District Office
State Leases - 4 copies
For 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, Artesa, NM 88210

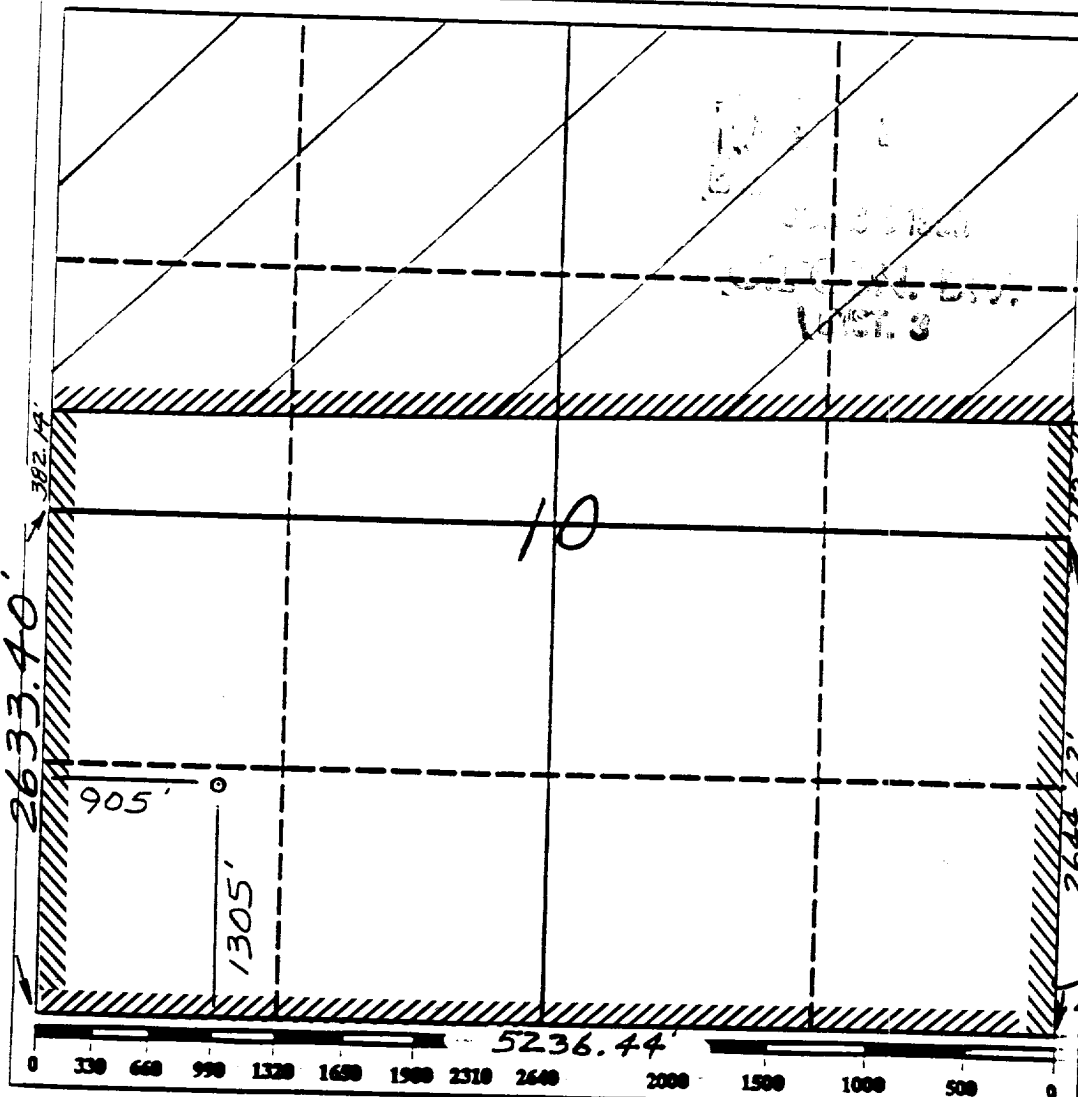
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-079320)		Well No. 215
Unit Letter M	Section 10	Township 32 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 1305 feet from the South line and 905 feet from the West line					
Ground level Elev. 7060'		Producing Formation Fruitland Coal		Pool Basin	
					Dedicated Acreage: 367.84 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 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
4-20-90

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 supervision, and that the same is true correct to the best of my knowledge and belief.

Date Surveyed
1-8-90

Signature of Surveyor
Ned C. Edwards

Professional Surveyor
857

Registration No.
6857

Well Name: 215 SAN JUAN 32-9 UNIT
 Sec. 10 T32N R09W
 BASIN FRUITLAND COAL

1305'FSL 905'FWL
 SAN JUAN NEW MEXICO
 Elevation 7060'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2230
 Kirtland- 2265
 Fruitland- 3480
 Fruitland Coal Top- 3645
 Fruitland Coal Base- 3881
 Intermediate TD- 3625
 Total Depth- 3881
 Pictured Cliffs- 3881

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 - 3625	Non-dispersed	8.4 - 9.1	30-60	no control
	3625 - 3881	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 - 3625	7"	20.0#	K-55
	6 1/4"	3575 - 3881	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3881	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.

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.

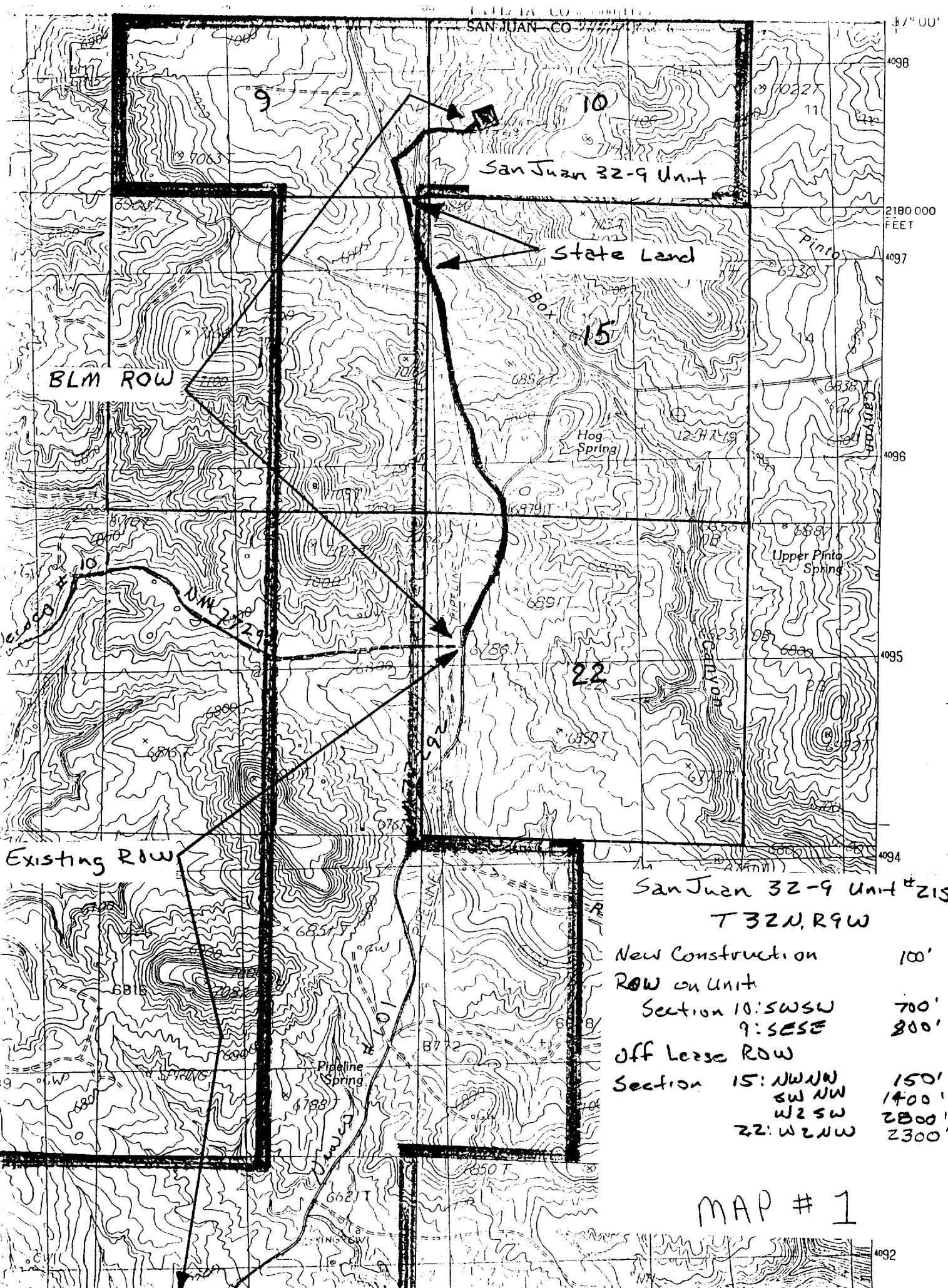
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

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 536 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. 1154 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 #215
T32N, R9W

New Construction	100'
ROW on Unit	
Section 10: SWSW	700'
9: SESE	800'
Off Lease ROW	
Section 15: NWNW	150'
SW NW	1400'
W2 SW	2800'
22: W2NW	2300'

MAP # 1