

30-045-28233

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078513
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 2245' FSL 790' FWL	9. WELL NO. 273
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES NE OF CEDAR HILL	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 19 T32N R09W NMPM
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
	13. STATE NM
16. ACRES IN LEASE	17. ACRES ASSIGNED TO WELL 206.48
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 450' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3435'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6616' GL	22. APPROX. DATE WORK WILL START

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *For Caldwell*

REG. DRILLING ENGR.

RECEIVED

JUL 31 1990

7/2/90
DATE

OIL CON. DIV.

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

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-

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

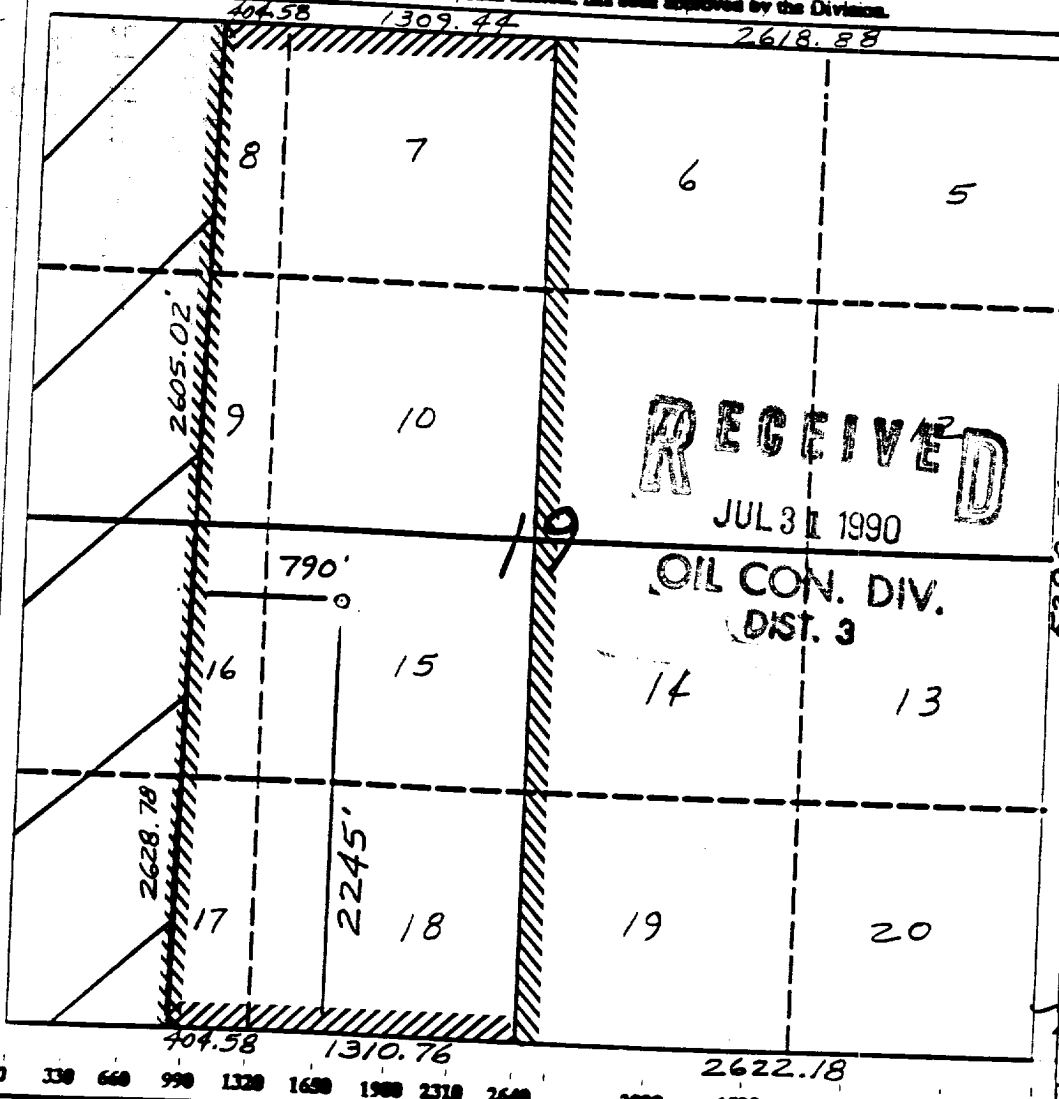
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-073513)		Well No. 273
Unit Letter K	Section 19	Township 32 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 2245 feet from the South line and 790 feet from the West line					
Ground level Elev. 6616'		Producing Formation Fruitland Coal		Pool Basin	
					Dedicated Acreage: 206.48 Ac

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 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 allowable 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 info contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

6-27-90

Date

SURVEYOR CERTIFICATION

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

3-JUL-90
Date Surveyed

Neale C. Edwards
Signature of Surveyor

Neale C. Edwards

Professional Surveyor

REGISTERED LAND SURVEYOR

6857

Certificate No.

6857

Well Name: 273 SAN JUAN 32-9 UNIT
 Sec. 19 T32N R09W
 BASIN FRUITLAND COAL

2245'FSL 790'FWL
 SAN JUAN NEW MEXICO
 Elevation 6616'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1908

Kirtland- 2007

Fruitland- 2984

Fruitland Coal Top- 3172

Fruitland Coal Base- 3433

Pictured Cliffs- 3438

Intermediate TD- 3152

Total Depth- 3435

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 500	Spud	8.4 - 8.9	40-50	no control
	500 - 3152	Non-dispersed	8.4 - 9.1	30-60	no control
	3152 - 3435	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 500	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3152	7"	20.0#	K-55
	6 1/4"	3102 - 3435	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3435	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 @ 2007'. 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 399 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (470 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 467 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. 1020 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.