

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28028

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079329
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 825' FSL 1125' FWL	9. WELL NO. 241
14. DISTANCE IN MILES FROM NEAREST TOWN 11 MILES E OF CEDAR HILL	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 825' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. SEC. 13 T32N R09W NMPM
16. ACRES IN LEASE 156.61	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 315.36	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 5280' COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS ROTARY
19. PROPOSED DEPTH 3646'	
21. ELEVATIONS (DF, FT, GR, ETC.) 6774' GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	

*SEE OPERATIONS PLAN

24. AUTHORIZED BY:

For Caldwell
REG. DRILLING ENGR.

RECEIVED

JUL 31 1990

6/30/90
DATE

OIL CON. DIV.

DIST. 3

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

AMCOO

JUL 27 1990
John S. Kelly
AREA MANAGER

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

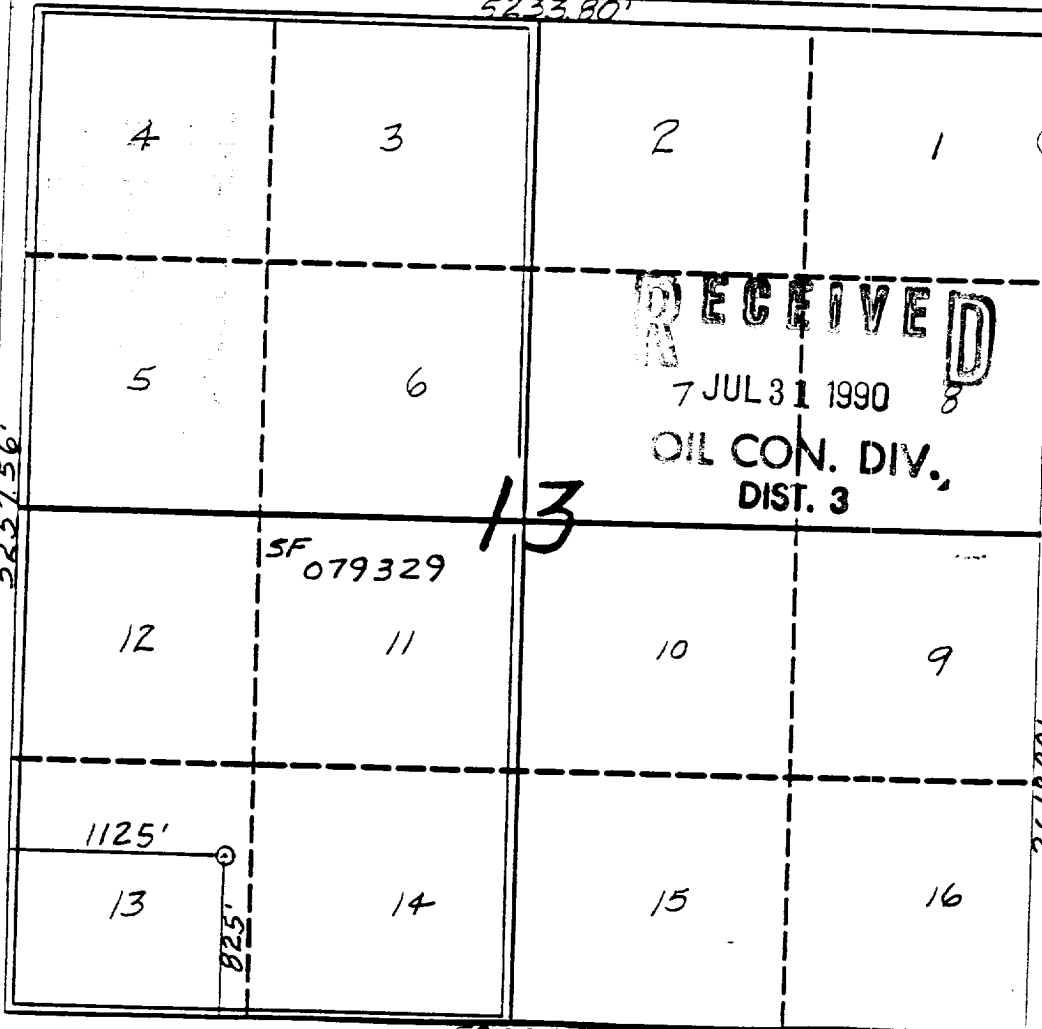
DISTRICT III
1000 Rio Brimos Rd., Aztec, NM 87410

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-079329)		Well No. 241
Unit Letter M	Section 13	Township 32 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 825 feet from the South line and 1125 feet from the West line					
Ground level Elev. 6774'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage 315.36 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 best of my knowledge and belief.

Signature
Peggy Bradford

Printed Name
Peggy Bradford

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
6-28-90

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 and correct to the best of my knowledge and belief. 4-9-90

Date Surveyed

Signature
Neale C. Edwards

Professional Seal



Certificate No.

Neale C. Edwards

Well Name: 241 SAN JUAN 32-9 UNIT
 Sec. 13 T32N R09W
 BASIN FRUITLAND COAL

825' FSL 1125' FWL
 SAN JUAN NEW MEXICO
 Elevation 6774' GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2102
 Kirtland- 2255
 Fruitland- 3144
 Fruitland Coal Top- 3375
 Fruitland Coal Base- 3645
 Pictured Cliffs- 3647

Intermediate TD- 3355
 Total Depth- 3646

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 - 3355	Non-dispersed	8.4 - 9.1	30-60	no control
	3355 - 3646	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 - 3355	7"	20.0#	K-55
	6 1/4"	3305 - 3646	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3646	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 @ 2255'. 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 492 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. 1069 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.

San Juan 32-9 Unit

BLM Lands

BLM Lands

Fee Lands

San Juan 32-9 Unit

San Juan 32-9 Unit

22

EXISTING ROAD

San Juan 32-9 Unit

550' New Construction
off Lease existing BLM Roads

Section 14, E2SE

NWSE

SWSE

15, N2SE

SESW

ESW

SWSW

2500

700

210

270

1100

2600

600

3600' of existing BLM roads,
all located with Unit boundary.
All remaining existing road are
on Fee, State or existing ROW