

30-045-28212

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-078505
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SEYMOUR
4. LOCATION OF WELL 790' FNL 1235' FEL	9. WELL NO. 720
14. DISTANCE IN MILES FROM NEAREST TOWN 9 MILES FROM NAVAJO DAM	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 790'	11. SEC. T. R. M OR BLK. SEC. 23 T31N R09W NMPM
16. ACRES IN LEASE 2323.28	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL E/313.63	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. 400'	19. PROPOSED DEPTH 3300'
20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 6459' GL	22. APPROX. DATE WORK WILL START

RECEIVED

SEP 04 1990

PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

OIL CON. DIV.

24. AUTHORIZED BY:

for REG. DRILLING ENGR. 8/16/90

8/16/90
DATE

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

FOR Ken Townsend

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

Please rescind Union Texas Petroleum's APD for the Seymour #23-1 which was submitted 11/16/89 and has not been approved. UTP's location was staked 830' FNL + 1235' FEL. Meridian has restaked @ 790' FNL + 1235' FEL.

Submit to Appropriate
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

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

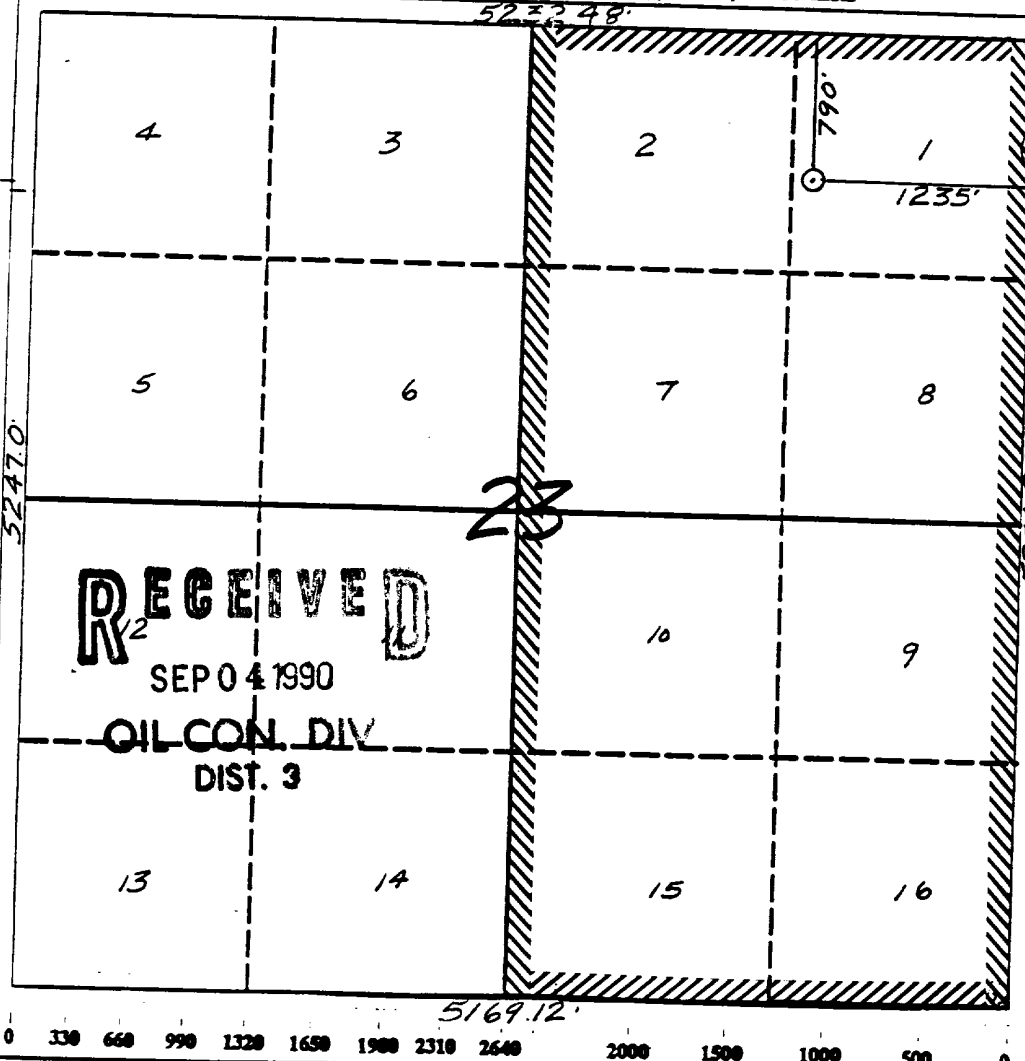
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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 Seymour (SF-078505)		Well No. 720
Unit Letter A	Section 23	Township 31 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 790 feet from the North line and 1235 feet from the East line					
Ground level Elev. 6459'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 313.63 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 _____
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, forced-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
8-16-90

Date

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.

7-2-90

Date Surveyed

Signature
Professional Surveyor



Certificate No.
Neale C. Edwards

OPERATIONS PLAN

DATE: AUG 16, 1990

Well Name: 720 SEYMOUR
 Sec. 23 T31N R09W
 BASIN FRUITLAND COAL

790' FNL 1235' FEL
 SAN JUAN NEW MEXICO
 Elevation 6459' GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1945

Kirtland- 2020

Fruitland- 2925

Fruitland Coal Top- 2955

Fruitland Coal Base- 3292

Pictured Cliffs- 3308

Intermediate TD- 2935

Total Depth- 3300

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 350	Spud	8.4 - 8.9	40-50	no contr
	350 - 2935	Non-dispersed	8.4 - 9.1	30-60	no contr
	2935 - 3300	Formation Water	8.4		no contr

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 350	9 5/8"	32.3#	H-40
	8 3/4"	0 - 2935	7"	20.0#	K-55
	6 1/4"	2885 - 3300	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3300	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 @ 2020'. 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 279 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (329 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 800 psi for 30 minutes.

7" intermediate casing - lead with 428 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. 944 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.

SEYMOUR #720
T31N,R9W
Section 23
San Juan Co., NM

SEYMOUR # 720

SAN JUAN 32-9 UNIT BOUNDARY

BLM ROW

- | | | | |
|-------------|----------------|-------------|----------------|
| Section 8: | SW/4NW/4 600' | Section 15: | NW/4NW/4 600' |
| | SE/4NW/4 1180' | | NE/4NW/4 1300' |
| | SW/4NE/4 1250' | | NE/4NE/4 2200' |
| | SE/4NE/4 1000' | | |
| Section 9: | NW/4SW/4 1300' | Section 14: | NW/4NW/4 1600' |
| | NE/4SW/4 1700' | | SE/4NW/4 1500' |
| | NW/4SE/4 600' | | SW/4NE/4 400' |
| | SE/4SE/4 1200' | | NW/4SE/4 1400' |
| | | | NE/4SE/4 700' |
| Section 10: | SW/4SW/4 1800' | | SE/4SE/4 1800' |
| | | Section 23: | NE/4NE/4 800' |

