

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-078505	
2. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR Union Texas Petroleum Corp. <i>Morden Oil Inc</i>		7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR <i>4283 Farmington NM 87499</i> P.O. Box 2120 Houston, TX 77252-2120		8. FARM OR LEASE NAME <i>Semour</i>	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <i>940 1090 FNL & 1815 FEL, Unit B</i> At proposed prod. zone		9. WELL NO. <i>2 718</i>	
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <i>14 miles East Aztec, NM</i>		10. FIELD AND POOL, OR WILDCAT Basin FRT Coal	
11. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. Also to nearest drlg. unit line, if any) <i>1090</i>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <i>Sec. 14-31N-9W</i>	
12. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <i>1800</i>		12. COUNTY OR PARISH San Juan	
13. ELEVATIONS (Show whether DF, RT, GR, etc.) <i>6475 GR</i>		13. STATE NM	
14. NO. OF ACRES IN LEASE <i>2348.80</i>		17. NO. OF ACRES ASSIGNED TO THIS WELL <i>315.02</i>	
15. PROPOSED DEPTH <i>3450</i>		20. ROTARY OR CABLE TOOLS <i>Rotary</i>	
21. APPROX. DATE WORK WILL START* <i>5-1-89</i>			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36#	350	210
8 3/4	7	23#	3450	275

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

We propose to drill to 3450 in the Fruitland Coal formation according to 8 point drilling plan & surface use plan.

RECEIVED
AUG 13 1990
OIL CON. DIV
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

21. SIGNED *Sam White* TITLE Reg. Permit Coord. DATE 11-16-89
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY TITLE
CONDITIONS OF APPROVAL, IF ANY:

N400D

*See Instructions On Reverse Side

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

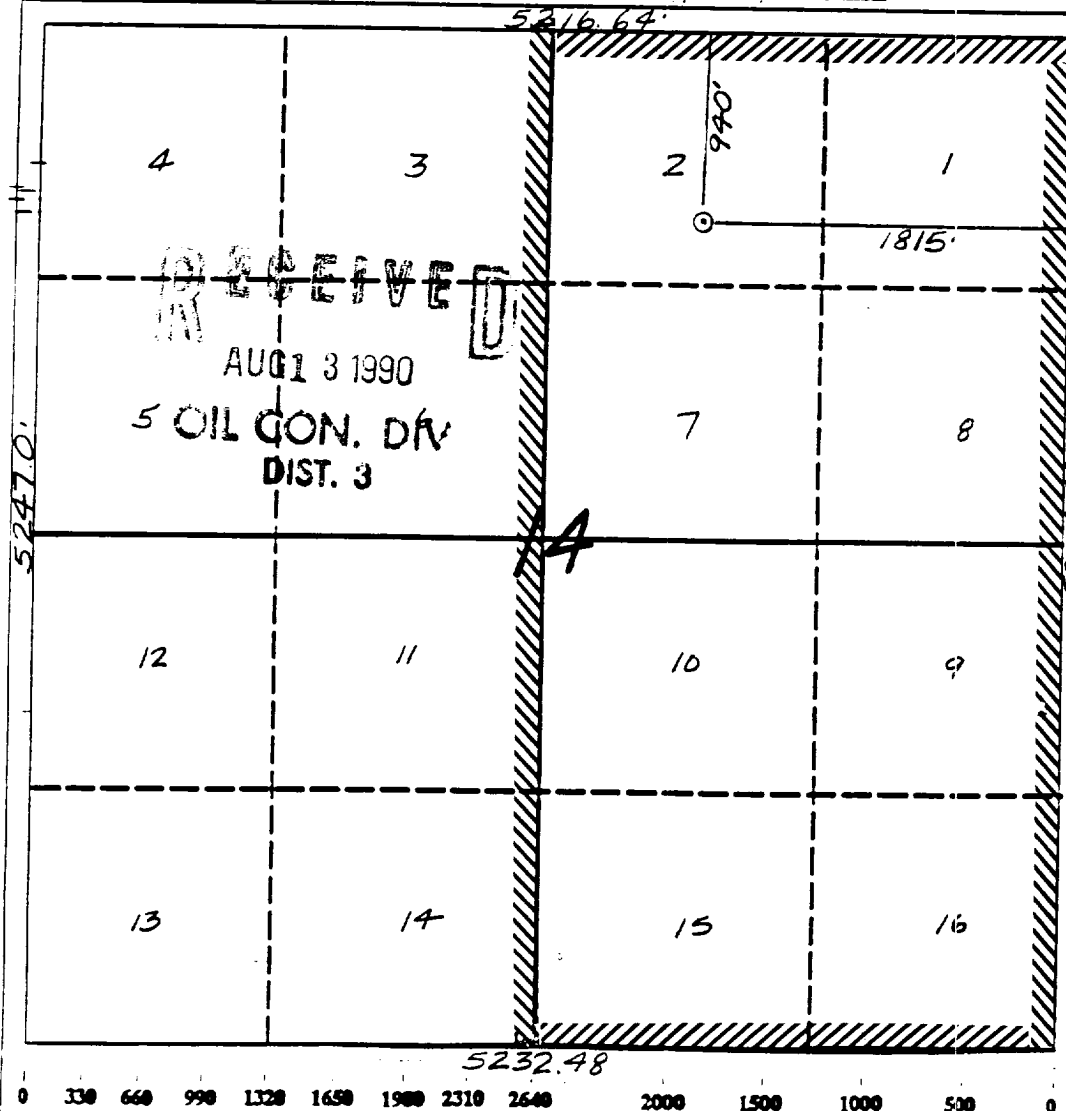
All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Seymour (SF-078505)		Well No. # 718
Unit Letter B	Section 14	Township 31 North	Range 9 West	County NMPM San Juan	
Actual Footage Location of Well: 940 feet from the North line and 1815 feet from the East line					
Ground level Elev. 6472'		Producing Formation Basin Fruitland Coal Basin		Dedicated Acreage: 314.95 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or lacquer 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, 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

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 of Seal of
Professional Surveyor



Certificate No. 6857

Neale C. Edwards

Well Name: 718 SEYMOUR
 Sec. 14 T31N R09W
 BASIN FRUITLAND COAL

940'FNL 1815'FEL
 SAN JUAN NEW MEXICO
 Elevation 6472'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2020

Kirtland- 2051

Fruitland- 2899

Fruitland Coal Top- 3137

Fruitland Coal Base- 3303

Pictured Cliffs- 3309

Intermediate TD- 3117

Total Depth- 3305

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 control
	350 - 3117	Non-dispersed	8.4 - 9.1	30-60	no control
	3117 - 3305	Formation Water	8.4		no control

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 - 3117	7"	20.0#	K-55
	6 1/4"	3067 - 3305	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3305	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 @ 2051'. 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.

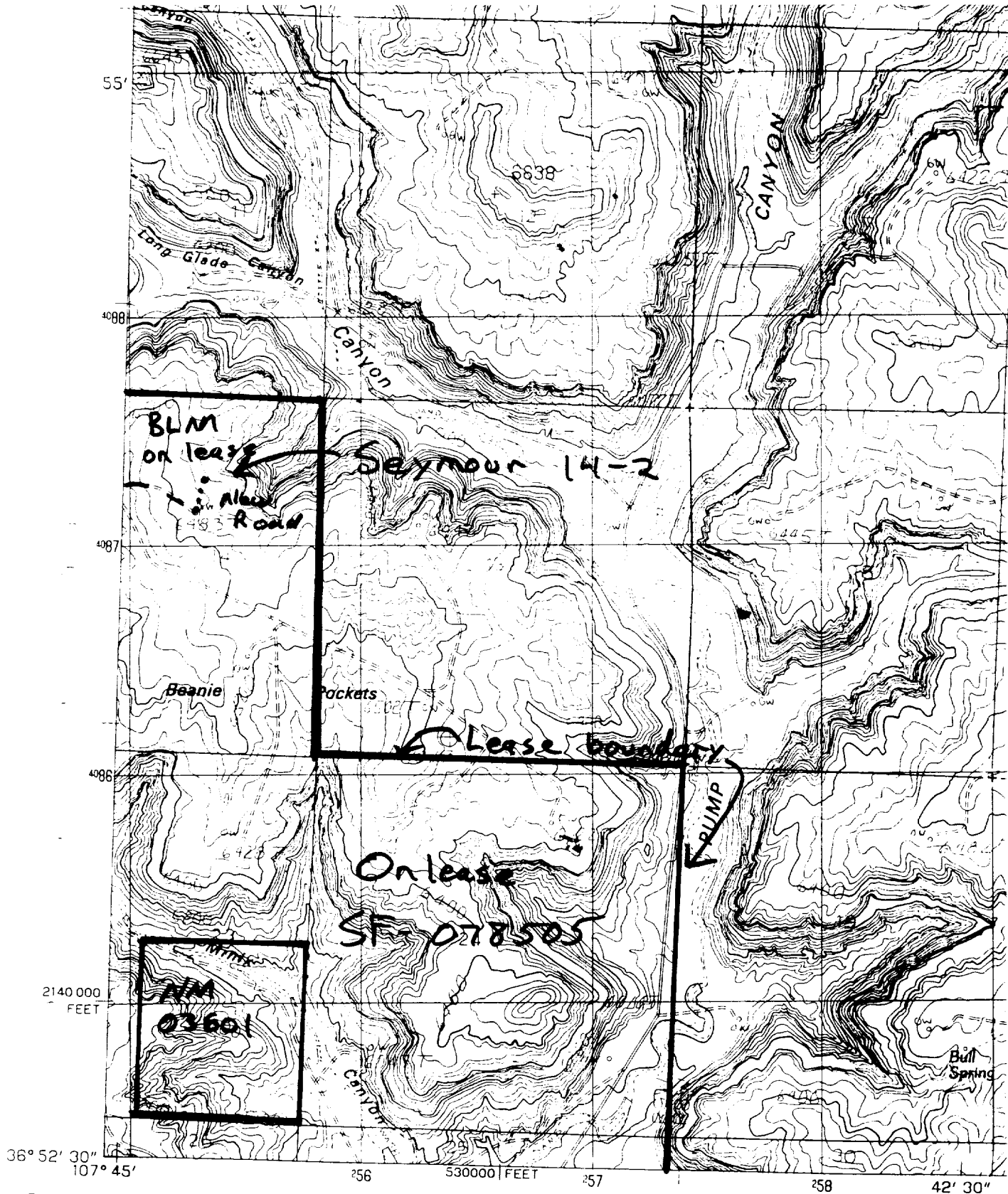
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

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 600 psi for 30 minutes.

7" intermediate casing - lead with 457 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. 1002 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.



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
 CONTROL BY USGS, NOS/NOAA
 COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1981
 FIELD CHECKED 1981 MAP EDITED 1985
 PROJECTION TRANSVERSE MERCATOR
 GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 13
 10,000-FOOT STATE GRID TICKS NEW MEXICO, WEST ZONE
 COLORADO, SOUTH ZONE

UTM GRID DECLINATION 1°37' WEST
 1985 MAGNETIC NORTH DECLINATION 12' EAST
 VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
 HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM
 To place on the predicted North American Datum of 1983,
 move the projection lines as shown by dashed corner ticks
 (2 meters north and 55 meters east)

There may be private inholdings within the boundaries of any
 Federal and State Reservations shown on this map
 All marginal data and lettering generated and positioned by
 automated type placement procedures

NORTH

585

PROVISIONAL MAP
 Produced from original
 manuscript drawings. Informa-
 tion shown as of date of
 field check.