

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-20962

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078174A
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 KESSLER COM
4. LOCATION OF WELL 1100'N 1385'E	9. WELL NO. 500
14. DISTANCE IN MILES FROM NEAREST TOWN 3 MILES SE OF AZTEC	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. B SEC. 24 T30N R11W NMPM
15. DISTANCE FROM PROPOSED LOCATION 1100' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
16. ACRES IN LEASE 20.772	13. STATE NM
17. ACRES ASSIGNED TO WELL E/314.78	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2735'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6280'GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

not warrant that the BLM has no legal or equitable right or title to this lease.

24. AUTHORIZED BY: *[Signature]* JUL 5 1990
REG. DRILLING ENGR

2/15/90
DATE

PERMIT **RECEIVED** OIL CON. DIV.
DIST. 3

APPROVED BY: MAR 16 1990
OIL CON. DIV.

APPROVED
AS AMENDED

NOTE: THIS FORM IS ISSUED IN LIEU OF US BLM FORM 316 AREA MANAGER

HALL 2-104 FOR CA 7 *[Signature]* 2/15/90

RECEIVED

RECEIVED
JAN 10 1961

RECEIVED
JAN 10 1961
U.S. AIR FORCE
HQ USAF
WASH DC

Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

FEB 16 1990

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

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

BUREAU OF LAND MANAGEMENT
FARMINGTON REGIONAL OFFICE

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

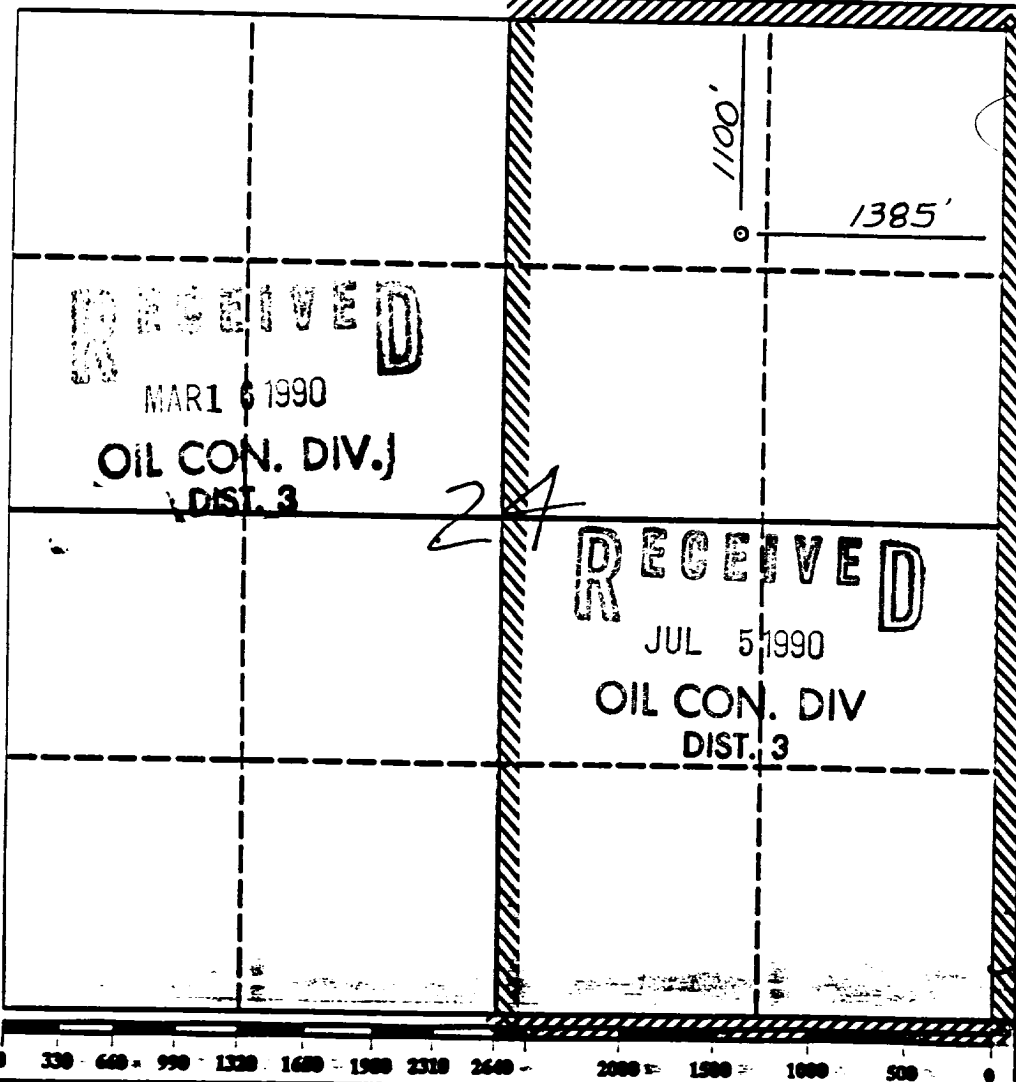
DISTRICT III
1000 Rio Brizos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Kessler Com		Well No. 500
Unit Letter B	Section 24	Township 30 North	Range 11 West	County San Juan	
Actual Footage Location of Well: 1100' feet from the North line and 1385' feet from the East line					
Ground level Elev. 6280'		Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	
Dedicated Acreage: 314.78 Acres					

- Outline the acreage dedicated to the subject well by colored pencil or inkline marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 Communitization Agreement will be Obtained
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 Bradfield

Printed Name Peggy Bradfield

Position Regulatory Affairs

Company Meridian Oil Inc.

Date 1-10-90

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 my supervision, and that the same is true and correct to the best of my knowledge and belief. 12-15-89

Date Surveyed 12-15-89

Signature of Surveyor Neale C. Edwards

Professional Surveyor 857

REGISTERED LAND SURVEYOR

6857

Well Name: 500 KESSLER COM 1100'N 1385'E
Sec. 24 T30N R11W SAN JUAN NEW MEXICO
BASIN FRUITLAND COAL Elevation 6280'GL

Formation tops: Surface- NACIMIENTO
Ojo Alamo- 1398
Kirtland- 1497
Fruitland- 2384
Fruitland Coal Top- 2552
Fruitland Coal Base- 2732
Total Depth- 2735
Pictured Cliffs- 2742

Logging Program: Mud logs from 2384 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2735	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-40
	7 7/8"	0 - 2735	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2735	2 3/8"	4.7#	J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.

Three centralizers run every other joint above shoe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembl

Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 434 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. 956 cu ft. of slurry, 100% excess to circulate to surface. Run temperature survey at 8 hours. WOC 12 hours.

Kessler Com # 500
1100' FNL, 1385' FEL
Sec. 24, T30N, R11W
No New Construction
Map #1

