

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
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

API NO. (assigned by OCD on New Wells)

30-025-30985

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-1357

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

Mitchell "16" State

2. Name of Operator

Meridian Oil Inc.

8. Well No.

3

3. Address of Operator

21 Desta Dr., Midland, TX 79705

9. Pool name or Wildcat

Young (Wolfcamp)

4. Well Location

Unit Letter G : 1650' Feet From The North Line and 2310' Feet From The East Line

Section 16

Township 18 South

Range 32 East

NMPM

Lea

County

10. Proposed Depth

11,000'

11. Formation

Wolfcamp

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

8787' GR.

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

16. Approx. Date Work will start

27 Aug 1990

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	350'	350 sx	Surface
12 1/4"	8 5/8"	24#	2,900'	1200 sx	Surface
7 7/8"	5 1/2"	15.5# & 17#	11,000'	2100 sx	2700'

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @350'. Cmt w/350 sx Class C--circulate. Drill 12 1/4" hole to 2900'. Set 8 5/8" csg @2900'. Lead w/1000 sx Lite C and tail w/200 sx Class C--circulate. Drill to TD to test the Middle & Lower Wolfcamp. If commercial, run 5 1/2" csg to 11,000'. Cmt w/sufficient volume to bring above all prospective zones. Est. TOC @2700'. Perf. and stimulate the Wolfcamp for production.

MUD PROGRAM: 0-350' spud mud; 350'-2,900' brine; 2,900'-10,700' cut brine and sweeps (chlorides 30,000+ ppm). 10,700'-TD cut brine and Drispac. MW 9.0-9.2 (solids must be less than 5% w/VIS 32-36).

BOP PROGRAM: 13 5/8"-2M annular BOP to be installed on 13 3/8" csg. 10"-3M stack to be installed on 8 5/8" and left on for remainder of drilling. Stack to consist of annular BOP, blind ram BOP, and one pipe ram BOP. After setting BOP's on 8 5/8" csg, test using an independent tester.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Estella M. Alvarado TITLE Production Analyst DATE 16 August 1990

TYPE OR PRINT NAME Estella M. Alvarado

TELEPHONE NO. 915/686-5636

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE AUG 20 1990

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.