

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)

30-025-31959

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

VB-0374

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

Bighorn "30" State

2. Name of Operator

Mitchell Energy Corporation

8. Well No.

2

3. Address of Operator

P.O. Box 4000, The Woodlands, TX 77387-4000

9. Pool name or Wildcat

East Red Tank (Bone Spring)

4. Well Location

Unit Letter F : 2310 Feet From The North Line and 1650 Feet From The West Line

Section 30 Township 22S Range 33E NMPM Lea County

10. Proposed Depth

10,750

11. Formation

Bone Spring

12. Rotary or C.T.

Rotary

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

3730 GR

14. Kind & Status Plug. Bond

Blanket on File

15. Drilling Contractor

16. Approx. Date Work will start

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"	54.5#	500'	Premium	Surface
12-1/4"	8-5/8"	32#	4800'	Lite + Premium	Surface
7-7/8"	5-1/2"	17#	TD	Lite+50/50 Poz	7500'

Mitchell proposes to drill to a depth sufficient to test the Bone Spring formation for oil. If productive, 5½" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with State of New Mexico regulations. Blowout preventer schematic attached as Exhibits 1 & 1A.

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

George Mullen

TITLE Regulatory Affairs Specialist DATE 4-22-93

TYPE OR PRINT NAME

George Mullen

(713)377-5855
TELEPHONE NO.

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY

TITLE

DATE

APR 26 1993

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.