

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

CHALK BLUFF
B 50

OIL CONSERVATION DIVISION

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

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

JUL 27 1993

API NO. (assigned by OCD on New Wells) 30-015-27592
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-2071-28
7. Lease Name or Unit Agreement Name Chalk Bluff "31" State
8. Well No. 1
9. Pool name or Wildcat Illinois Camp Morrow North

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>					
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>					
2. Name of Operator Mewbourne Oil Company					
3. Address of Operator P.O. Box 5270 Hobbs, New Mexico 88241					
4. Well Location Unit Letter <u>0</u> : <u>2310</u> Feet From The <u>East</u> Line and <u>660</u> Feet From The <u>South</u> Line Section <u>31</u> Township <u>17S</u> Range <u>28E</u> NMPM Eddy County					
10. Proposed Depth 10,400'		11. Formation Morrow		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3678' GR		14. Kind & Status Plug Bond Blanket on File		15. Drilling Contractor WEK Drilg. Co.	
16. Approx. Date Work will start August 1, 1993					
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#	400'	350	Circulated
12-1/2"	9-5/8"	36#	2600'	800	Tie back into surface
8-3/4"	5-1/2"	17#	10400'	800	6,000'

BOP PROGRAM: Hydril annular preventor (bag-type preventor) 900 series on surface casing to intermediate casing point.
Schaffer LWS or equivalent (double-ram hydraulic) 900 series w/Hydril 900 series from intermediate casing to total depth. Rotating head, PVT system, flow monitors, and mud-gas separators from top of Wolfcamp formation to T.D.

MUD PROGRAM: 0 - 400' Fresh water w/spud mud, paper for LCM as needed.
400 - 2,600' Brine water w/paper for LCM as needed and lime for pH.
2,600 - 9,500' Cut brine w/paper for LCM and lime for pH.
9,500 - 10,400' Cut brine w/Drispac, starch, salt gel, soda ash, and caustic soda. Wt. 9.2-9.8 ppg, WL 10 cc's or less, Vis. 30-34.

GAS IS NOT DEDICATED

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 Bill Pierce TITLE Drilling Superintendent DATE July 22, 1993
TYPE OR PRINT NAME Bill Pierce TELEPHONE NO. _____

(This space for State Use)

APPROVED BY Mark Gehlert TITLE GEOLOGIST DATE 7-27-93
CONDITIONS OF APPROVAL, IF ANY:

PERMIT EXPIRES 180 DAYS
UNLESS DRILLING UNDERWAY