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NEW MEXICO OIL CONSERVATION COMMISSION

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APR 10 1981

O. C. D.
ARTESIA, OFFICE

30-015-23745

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. E-7815
7. Unit Agreement Name
8. Firm or Lease Name Angell State
9. Well No. 4
10. Field and Pool, or Wildcat Millman Seven Rivers East
12. County Eddy
19. Proposed Depth 1200'
19A. Formation Seven Rivers
20. Rotary or C.T. C. T.
21A. Kind & Status Plug. Bond Statewide active
21B. Drilling Contractor Jenkins Bros. Drlg Co
22. Approx. Date Work will start 4/16/81

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
Name of Operator Harlan Oil Company
Address of Operator P. O. Box 668, Artesia, N. M. 88210
Location of Well UNIT LETTER <u>P</u> LOCATED <u>988</u> FEET FROM THE <u>South</u> LINE NO. <u>330</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>21</u> TWP. <u>19 S</u> RSE. <u>28 E</u> NMPM
Elevations (Show whether DP, RT, etc.) 3433 GL

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12"	8 5/8"	24#	340'	100	Circ.
7 7/8"	4 1/2"	10.50#	1200'	300	circ.

We propose to drill to 1200' to test the Seven Rivers formation. We will drill a 12" hole to 340' and set 8 5/8" 24# casing, reduce hole to 7 7/8" and drill on to 1200'. We will set 4 1/2" 10.50# production casing and cement with approximately 300 sx. We do not anticipate gas at this depth and will not set up a blowout preventer program at this time.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10-14-81
UNLESS DRILLING UNDERWAY

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.

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

Signed Norothy Hammond Title Secretary Date 4/9/81

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE APR 14 1981

CONDITIONS OF APPROVAL, IF ANY: