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RECEIVED
 NEW MEXICO OIL CONSERVATION COMMISSION
FEB 8 1977
O.C.C.
ARTESIA, OFFICE

20-015-22044
 Form C-101
 Revised 1-1-65

5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Lizzie Howard "HK"
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat
12. County Eddy
14. Proposed Depth Approx. 7600'
19A. Formation Morrow
21. Rotary or C.T. Rotary
21. Elevation (Show whether DT, RT, etc.) 3428' GR
21A. Kind & Status Plug, Bond Blanket
21B. Drilling Contractor Ard Drilling Co.
22. Approx. Date Work will start 2-15-77

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
2. Name of Operator Yates Petroleum Corporation	SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>
3. Address of Operator 207 South 4th Street - Artesia, NM 88210	
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>13</u> TWP. <u>16S</u> RGF. <u>25E</u> NMPM	
23. PROPOSED CASING AND CEMENT PROGRAM	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13-3/8"	48#	Approx. 350'	Circulate	
12½-11"	8-5/8"	24#	" 1200'	Circulate	
7-7/8"	4½ or 5½"	10.5-11.6# or 15.5-17#	" 7600'	250 sacks	

Propose to drill and test the Morrow and intermediate horizons. Approx. 350' of surface casing will be set to shut-off cavings, and intermediate casing will be set at least 100' below the Artesian Water zone. If commercial pay is encountered, will run 4½" or 5½" casing, cement, perforate and stimulate as needed for production.

Mud Program: - FW, Gel & LCM to 1200', fresh water to 4100', KCL water to 6200', flosal-starch-KCL to 7300', Flosal-Drispak-KCL to TD.

BOP Program: - BOP's will be installed on 8-5/8" casing and tested, pipe rams daily, blind rams on trips.

Gas Acreage not dedicated.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 5-9-77

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.

Signed Eddie M. Malfoed Title Engineer Date 2-7-77

(This space for State Use)

APPROVED BY W. A. Grissett TITLE SUPERVISOR, DISTRICT II DATE FEB 9 1977

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
 surface behind 13 3/8 48# casing

Notify N.M.O.C.C. in sufficient
 time to witness cementing
 the 8 3/8" casing