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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FCC ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work
a. Type of Well
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☒ GAS WELL ☐ OTHER ☐
SINGLE ZONE ☐ MULTIPLE ZONE ☐
Name of Operator

7. Unit Agreement Name
8. Form or Lease Name
George Etz

HCW Exploration, Inc.
Address of Operator
P.O. Box 10585 Midland, TX 79702
Location of Well
UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE
1650 FEET FROM THE West LINE OF SEC. 27 TWP. 23S REC. 36E NW/4PM

9. Well No.
5
10. Field and Pool, or Wildcat
Langlie-Mattix

12. County
Lea

19. Proposed Depth
4000'
19A. Formation
Seven Rivers-Queen
20. Rotary or C.T.
Rotary
21. Elevations (State whether DF, RI, etc.)
3412.8 GR
21A. Kind & Status Plug. Bond
Blanket
21B. Drilling Contractor
To be determined
22. Approx. Date Work will start
Dec. 15, 1984

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8 5/8"	24#	450'	200	Surface
7 7/8"	4 1/2"	10.50#	4000'	900	Surface

Propose to drill 11" hole to 450' and run 8 5/8" casing. Will cement with sufficient cement volume to circulate cement to surface. Nipple up 10" 3000 psi BOP with pipe rams and blind rams. Drill 7 7/8" hole to approximately 2700' using brine water. Will drill with mud from 2700' to 4000' TD. Run open hole logs and if well looks productive, run 4 1/2" casing. Will try to circulate cement to surface on 4 1/2" casing. Will attempt to complete well as Seven Rivers-Queen oil well.

Permit Expires 6 Months From Approval
Date 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.

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

Signed John Welch Title Production Superintendent Date 11-19-84
(This space for State Use)

ORIGINAL SIGNED BY JERRY SEITZMAN

PROVED BY DISTRICT SUPERVISOR TITLE DATE DEC 10 1984
NOTATIONS OF APPROVAL, IF ANY: