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U.S.G.S.	
LAND OFFICE	
OPERATOR	

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

5A. Indicate Type of Lease

STATE ☐FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☐DEEPEN ☐PLUG BACK ☒

b. Type of Well

OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☒MULTIPLE ZONE ☐

2. Name of Operator

NORTH AMERICAN ROYALTIES, INC.

3. Address of Operator

306 W. WALL-SUITE 1400-MIDLAND, TEXAS 79701

4. Location of Well

UNIT LETTER J

LOCATED 1980

FEET FROM THE

SOUTH

LINE

AND 1980

FEET FROM THE

EAST

LINE OF SEC. 11

TWP. 16-S

RCE. 36-E

NMPM

7. Unit Agreement Name

8. Farm or Lease Name

HUDGENS

9. Well No.

1

10. Field and Pool, or Wildcat
Wildcat Wolfcamp
~~NORTH LOVINGTON ATOKA~~

12. County

LEA

19. Proposed Depth

10,285'

19A. Formation

WOLFCAMP

20. Rotary or C.T.

21. Elevations (Show whether DF, KT, etc.)

3883.0' (GR)

21A. Kind & Status Plug. Bond

1-WELL

21B. Drilling Contractor

22. Approx. Date Work will start

12-15-90

23.

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#	428'	375	SURFACE
12-1/4"	8-5/8"	32# & 24#	4,451'	1675	SURFACE
7-7/8"	5-1/2"	20# & 17#	11,994'	1225	5900'

PLAN THE FOLLOWING WORK (CURRENT ZONE IS DEPLETED AND NON-COMMERCIAL):

- (1) PLUG WELL BACK BY PLACING CIBP AT 10,500'.
- (2) PERFORATE WOLFCAMP FROM 10,285'-10,292'.
- (3) ACIDIZE WOLFCAMP WITH 250 GAL. ACID.
- (4) PUT WELL ON PUMP IF NECESSARY.

* WILL USE 6" 900 SERIES DOUBLE RAM MANUAL BOP.

(This space for State Use)

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 Kenn Widmer Title PETROLEUM ENGINEER Date 11-26-90APPROVED BY JOHN L. JOHNSON TITLE STATE ENGINEER DATE NOV 26 1990

CONDITIONS OF APPROVAL, IF ANY:

Approved by James O. Williams From Approval
 State Drilling Underway.
 C. O. JOHNSON