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NEW MEXICO OIL CONSERVATION COMMISSION

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NOV 14 1980

O. C. D.
ARTESIA, OFFICE

30-015-22739

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.	
LG 5175	
7. Unit Agreement Name	
8. Farm or Lease Name	
NM 16 State	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Und. West Malaga Atoka	
12. County	
Eddy	
19. Proposed Depth	19A. Formation
PBTD 11,900' Atoka	
20. Rotary or C.T.	
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond
3033' GR	Blanket Active
21B. Drilling Contractor	22. Approx. Date Work will start
-	11-20-80

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	
2. Name of Operator	
HNG Oil Company	
3. Address of Operator	
P.O. Box 2267, Midland, Texas 79702	
4. Location of Well	
UNIT LETTER B	LOCATED 660 FEET FROM THE North LINE
AND 1980 FEET FROM THE East	LINE OF SEC. 16 TWP. 24S RGE. 28E NMPM
21. Elevations (Show whether DF, RT, etc.)	
3033' GR	
21A. Kind & Status Plug. Bond	
Blanket Active	
21B. Drilling Contractor	
-	
22. Approx. Date Work will start	
11-20-80	

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"	54.5 & 48	620'	650	Circ.
12-1/2"	9-5/8"	36	2450'	1700	Circ.
8-1/2"	7"	23	10267'	1350	

WORKOVER PROCEDURE TO PLUG BACK FROM MORROW FORMATION

1. Rig up HOWCO and load the tubing with fresh water. Establish an injection rate. Squeeze the Morrow Perforations with 100 sacks Class H cement containing 1/4 # Flocele/sack. Displace the cement to 11,900' with 5 1/2 bbls treated fresh water followed by 750 gals 10% Acetic acid inhibited for 48 hours at 175°. Finish the displacement with 62 bbls 1% KCL water. Shut in and allow cement to set.
2. Pressure up on the tubing to 2500 PSI to test the squeeze.
3. Rig up a lubricator with packoff and perforate the Atoka with a decentralized 1-11/16" Hyper Dome II Gun (.25 hole) as follows:
11,370 to 11,376 7 holes 1 shot/foot
11,462 to 11,468 7 holes 1 shot/foot
4. Break down the Atoka with the spot acid. Flow well and attempt to clean up.

APPROVAL VAND
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 2-17-81
(over)

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 Betty A. Gildon Title Regulatory Clerk Date 11-13-80
(This space for State Use)

APPROVED BY W.A. Gueset TITLE SUPERVISOR, DISTRICT II DATE NOV 17 1980
CONDITIONS OF APPROVAL, IF ANY:

5. Acidize the Atoka with 4000 Gals Morrow Flow BC Acid. Run 500 scf N₂ in the acid and flush. Drop 21-7/8" ball sealers and attempt to ball out.
6. Flow well to test.