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NEW MEXICO OIL CONSERVATION COMMISSION

MAY 28 1980

O. C. D.
ARTESIA OFFICE

30-015-22529
Form C-101
Revised 1-1-65

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 b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		DRILL ☐ DEEPEN ☐ PLUG BACK ☒		SINGLE ZONE ☐ MULTIPLE ZONE ☐	
2. Name of Operator HNG Oil Company				7. Unit Agreement Name	
3. Address of Operator Box 2267, Midland, Texas 79702				8. Farm or Lease Name Woods 9 Com.	
4. Location of Well UNIT LETTER B LOCATED 990 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 9 TWP. 24S RGE. 28E NADP.				9. Well No. 2	
				10. Field and Pool, or Wildcat Und. West Malaga Atoka	
				12. County Eddy	
19. Proposed Depth 11,700'		19A. Formation Atoka		20. Rotary or C.T. -	
21. Elevations (Show whether D/E, RT, etc.) 2997' GR		21A. Kind & Status Plug. Bond Blanket Active		22. Approx. Date Work will start 6-15-80	

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#	666'	650	Circ.
12-1/4"	9-5/8"	36#	2465'	1600	Circ.
8-1/8"	7"	23#	10248'	1300	5000'
6-1/8"	4-1/2" Liner	13.5#	12739'	425	TOP: 10109'

WORKOVER PROCEDURE TO PLUG BACK FROM MORROW FORMATION

Move in frac tank and fill it with fresh water.

Rig up Halliburton and pump into well via tubing with 125 barrels of fresh water.

Mix and pump 75 sacks of Class H cement, 1/4# sx flocele. Mix at 15.6#/gal slurry volume 1.18 cu ft/sx. Wash pump and lines out to the tree. Displace the cement with 4.5 bbls of fresh water, 12 barrels of (10% MSA acid containing enough inhibitor for 180°F for 96 hours) and 65.5 barrels of fresh water. Shut down for six hours to allow the cement to set up. Pressure up on the cement squeeze to 3000 psi. Morrow perms 12,450' to 12,554'.

Rig up W.L. Company and perforate the Atoka zone with 2-9/16" tubing gun DC T&B, hole size .41" at 11,372', 11,373', 11,378', 11,379'. (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 Betty A. Gildon Title Regulatory Clerk Date May 23, 1980

(This space for State Use)

APPROVED BY W.A. Gussert TITLE SUPERVISOR, DISTRICT II DATE MAY 29 1980

CONDITIONS OF APPROVAL, IF ANY:

There could be 1000 pound differential pressure after perforating; will test the wireline lubricator to 3000 psi, but not thru the choke line. Rig down W.L. Company.

Rig up treating company and displace spot into formation. Then flow well to the pit for production. Allow the zone to clean up for 1-2 days so a good check can be obtained prior to perforating the top zone. (We may want to treat this zone with acid before opening up the upper zone of Porosity.)

Rig up W.L. Company and perforate with 2-9/16" tubing gun DC TAB at 11,280', 11,282', 11,284', 11,286', then rig down W.L. Company.

Rig up treating company and acidize the Atoka zones with 6000 gallons of 10% Morrow Flo BC or MS acid.

Rig the well up to flow the acid water back and check for production. Clean well up and obtain four-point, if sufficient production is established.