

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

CONSERVATION DIVISION

Form C-101
Revised 10-1-78

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P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

API # 30- 025- 27687

5A. Indicate Type of Lease
STATE ☒ FEDERAL ☐
5. State Oil & Gas Lease No.
E-1923

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name -
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Farm or Lease Name Merchants-A "COM"
2. Name of Operator Phillips Petroleum Company		9. Well No. 1
3. Address of Operator Room 401, 4001 Penbrook Street, Odessa, Texas 79762		10. Field and Pool, or Wildcat (Extension of) E. Gramma Ridge-Morrow-Gas
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>1980</u> FEET FROM THE <u>south</u> LINE AND <u>660</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>30</u> TWP. <u>21-S</u> RGE. <u>35-E</u> NADOM		11. County Lea
19. Proposed Depth 13,200'		19A. Formation Morrow
20. Rotary or C.T. rotary		21. Elevations (Show whether DT, RT, etc.) 3614.0' Gr(Unprepared)
21A. Kind & Status Plug. Bond blanket		21B. Drilling Contractor advise
22. Approx. Date Work will start upon approval		

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/4"	13 3/8"	61#,K-55	1,100' (Sufficient LW type w/2%CaCl2,tailed in		
	(w/250 sx Class C w/2%CaCl2,	circulate	at surface)		
12 1/4"	9 5/8"	40#,K-55	5,500' (Sufficient TLW w/10%DD,12#salt,1/4#		
	(Flocele & 3# Gilsonite	per sx, tailed	in w/200 sx Class C w/6#salt/sx.Circ @ surface)		
8 3/4"	7"	29#,N-80	11,000' (Sufficient LW type w/0.6%Halad-22A		
	(& 5# salt/sx, tailed in w/250 sx Class H w/0.4% CFR-2 & 0.4% Halad-22A)				
6'	4 1/2" liner	13.5#,P-110&N-80)	(10,900'± to TD)(Sufficient Class H w/0.6%		
	(Halad-22A, 0.4% CFR2 & 5# KCL/sx)				

Use mud additives as required for control.
BOP: Series 1500, 5000# WP - schematic attached.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/23/82
UNLESS DRILLING UNDERWAY

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.

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

Signed W. J. Mueller Title Senior Engineering Specialist Date December 16, 1981

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: HNG Oil Company - 2