

NEW MEXICO PH. CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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O. C. C.
ARTESIA, OFFICE

5A. Indicate Type of Lease

STATE	<input checked="" type="checkbox"/>	FEE	<input type="checkbox"/>
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5. State Oil & Gas Lease No.

L-5035

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work						7. Unit Agreement Name Catclaw Draw			
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>						8. Farm or Lease Name Catclaw Draw llt.			
2. Name of Operator Hanagan Petroleum Corporation ✓						9. Well No. 11			
3. Address of Operator P.O. Box 1737, Roswell, N.M. 88201						10. Field and Pool, or Wildcat Catclaw Draw Strawn			
4. Location of Well UNIT LETTER L LOCATED 330 FEET FROM THE West LINE AND 330 WEST South FEET FROM THE Line OF SEC. 36 TWP. 21S RGE. 25E NMPM									
						12. County Eddy			
19. Proposed Depth NPB 10796						19A. Formation Strawn		20. Rotary or C.T.	
21. Elevations (Show whether DF, RT, etc.) 3704 KB		21A. Kind & Status Plug. Bond		21B. Drilling Contractor		22. Approx. Date Work will start 10 days			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20"	16"	65	159	130	Circ.
14 3/4 & 12 1/2"	9 5/8"	36 & 40	2260	850	Circ.
8 1/2 & 7 7/8"	5 1/2"	17 & 20	11170	570	8700

Proposed Workover: Presently producing Morrow from perms. 10935-74 w/Baker Loc-Set pkr. @10796', Morrow unable to buck pipeline pressure plus steep bottom hole pressure decline. In the future, before abandonment, believe some additional gas can be recovered from this zone with compressor, so we do not want to squeeze and abandon this zone now. Propose to set a blanking plug in top of pkr @ 10796 and test Strawn lime zone by perforating (and treating) Strawn lime. Tentative perforations would be 9566-78 & test after treating w/3000 to 5000 gals. acid. Should Strawn be productive, produce this zone w/Morrow blanked off. Work to be commenced as soon as workover unit available.

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 Herb C. Flanagan Title Vice President Date 2/17/78

(This space for State Use)

APPROVED BY W. G. Smith TITLE SUPERVISOR, DISTRICT II DATE FEB 21 1978

CONDITIONS OF APPROVAL, IF ANY: