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NEW MEXICO OIL CONSERVATION COMMISSION

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.	
L - 3552	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work		7. Unit Agreement Name	
Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name	
SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Pogo State	
Name of Operator		9. Well No.	
Holly Energy, Inc.		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
Box 726, Artesia, New Mexico 88210		Wildcat	
4. Location of Well		12. County	
UNIT LETTER <u>7</u> LOCATED 1980' FEET FROM THE North LINE		Lea	
AND 660' FEET FROM THE East LINE OF SEC. 19 TWP. 16-S RGE. 33-E NADPM			
18. Proposed Depth		19A. Formation	
10,800'		Wolfcamp	
20. Rotary or C.T.		Rotary	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Blanket		Sept. 1, 1979	
21B. Drilling Contractor			
McVay			

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#	965'	945	Circulate
12 1/4"	8 5/8"	28#	4450'	2240	Circulate
7 7/8"	5 1/2"	17# & 20#	10,800'		Cement w/sulfate resistant cement to cover all productive zones.

We propose to commence drilling this well on Sept. 1, 1979. The 13 3/8" casing will be set at approximately 965' with 595 sx of Class C 50/50 Lite Poz - 3% with 2% CaCl and 350 sx of Class C 2% CaCl. and circulate to surface. After waiting 18 hours we will drill to approximately 4450' and set 8 5/8" casing using 1840 sx of Class C 4% Gel with 2% CaCl. and followed by 400 sx of Class C 2% CaCl. and circulate; after waiting 18 hours test pipe to 1500#. Drill out to approximately 10,800' and set 5 1/2" 17# and 20# casing and cement to cover all productive zones.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON 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 Robert Loyd Title Production Foreman Date 8-7-79

(This space for State Use)

APPROVED BY John W. Runyon TITLE Geologist DATE AUG 13 1979

CONDITIONS OF APPROVAL, IF ANY: