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NEW MEXICO OIL CONSERVATION COMMISSION

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JAN 09 1981

O. C. D.

ARTESIA, OFFICE

30-015-23618

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☒

FEE ☐

5. State Oil & Gas Lease No.

St 647 TR-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name
c. Name of Operator Holly Energy Inc.		9. Well No. 1
3. Address of Operator P.O. Box 726 Artesia, New Mexico 88210		10. Field and Pool, or Within
4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>1830</u> FEET FROM THE <u>South</u> LINE AND <u>510'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>14</u> TWP. <u>18S</u> RGE. <u>28E</u> NMPM		11. County Eddy
1. Proposed Depth 9990'		19A. Formation Upper Penn
21A. Kind & Status Plug Back Blanket		20. Rotary or C.T. Rotary
21. Elevation (show letter D, K, etc.) 3573.1		22. Approx. Date Work will start soon as possible after approval.

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#	500'	432	Circ. surface
11	8 5/8	32#	3100'	1170	Circ. surface
7 7/8	5 1/2	17#	9900'		cement w/sulfate to cover all production zones.

Set 13 3/8" casing at approximately 500' with 432 sacks Class C 2% calcium and circulated to surface. After waiting 18 hours will drill out with 11" bit to depth of about 3100' and set 8 5/8" casing with 970 sacks 50/50 pos cement followed by 200 sacks Class C 2% cacl. cement. After waiting 18 hours casing will be tested to 1500# PSI and held for 30 minutes. Drill out to approximately 9900' and set 5 1/2" 17# casing and cement to cover all production zones.

Gas is not dedicated:

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 7-21-81
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.

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

Signed Robert Loyd Title Dist. Superintendent Date 1-9-81

(This space for State Use)

APPROVED BY W. A. Gwalt TITLE SUPERVISOR DISTRICT II DATE JAN 21 1981

CONDITIONS OF APPROVAL, IF ANY:

Set surface casing to top of salt @ approx. 300'