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Form O-105  
Revised 10-76

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State ☒ Fee ☐  
5. State Oil & Gas Lease No.  
K-6844

*Bureau of Mineral*

1a. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ DRY ☐  
b. TYPE OF COMPLETION  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐  
2. Name of Operator  
HOLLY ENERGY, INC.  
3. Address of Operator  
2001 BRYAN TOWER, SUITE 2680, DALLAS, TEXAS 75201

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O.C.C.  
ARTESIA, OFFICE

7. Unit Agreement Name  
8. Farm or Lease Name  
LULA  
9. Well No.  
2  
10. Field and Pool, or Wildcat  
Buffalo Valley Penn

4. Location of Well  
UNIT LETTER D LOCATED 990 FEET FROM THE North LINE AND 990 FEET FROM  
THE West LINE OF SEC. 7 TWP. 15-S RGE. 28-E NMPM

11. County  
Chaves

15. Date Spudded 3-22-77 16. Date T.D. Reached 4-15-77 17. Date Compl. (Ready to Prod.) 5-26-77 18. Elevations (DF, RKB, RT, GR, etc.) GR 3690.7 RKB 3707.7 19. Elev. Casinghead  
20. Total Depth 8790 21. Plug Back T.D. 8692 22. If Multiple Compl., How Many  
23. Intervals Drilled By Rotary Tools Cable Tools  
0-TD  
24. Producing Interval(s), of this completion - Top, Bottom, Name  
8424 - 8546 Atoka  
25. Was Directional Survey Made  
No  
26. Type Electric and Other Logs Run  
CNL - FDC Dual Ind. - Laterolog  
27. Was Well Cored  
No

| 28. CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|----------------------------------------------------|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE                                        | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 13 3/8                                             | 48 #/ft.       | 380       | 17 1/2    | 570 sx.          | none          |
| 8 5/8                                              | 28 #/ft.       | 1643      | 12 1/4    | 1100 sx.         | none          |
| 4 1/2                                              | 11.60 #/ft.    | 8790      | 7 7/8     | 390 sx.          | none          |

| 29. LINER RECORD |     |        |              | 30. TUBING RECORD |       |           |
|------------------|-----|--------|--------------|-------------------|-------|-----------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN            | SIZE  | DEPTH SET |
| none             |     |        |              |                   | 2 3/8 | 8410      |
|                  |     |        |              |                   |       | 8410      |

31. Perforation Record (Interval, size and number)  
8538 to 8546 - 8494 to 8504 w/2 TJPF  
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
none

33. PRODUCTION  
Date First Production 5-03-77 Production Method (Flowing, gas lift, pumping - Size and type pump) flow Well Status (Prod. or Shut-in) shut-in  
Date of Test 5-03-77 Hours Tested 3 Choke Size 10/64 Prod'n. Per Test Period Oil - Bbl. Gas - MCF Water - bbl. Gas - Oil Ratio  
833/day 0  
Flow Tubing Press. 1140 Casing Pressure 0 Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - bbl. Oil Gravity - API (Corr.)  
833 -

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By Bob Loyd

35. List of Attachments  
DIL & CNL-FDC log, 4 point test

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE OPERATIONS MANAGER DATE June 1, 1977

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than \_\_\_\_\_ days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

|                           |                        |                             |                         |
|---------------------------|------------------------|-----------------------------|-------------------------|
| T. Anhy _____             | T. Canyon <u>7395</u>  | T. Ojo Alamo _____          | T. Penn. "B" _____      |
| T. Salt _____             | T. Strawn <u>7934</u>  | T. Kirtland-Fruitland _____ | T. Penn. "C" _____      |
| B. Salt _____             | T. Atoka <u>8323</u>   | T. Pictured Cliffs _____    | T. Penn. "D" _____      |
| T. Yates _____            | T. Miss <u>8755</u>    | T. Cliff House _____        | T. Leadville _____      |
| T. 7 Rivers <u>370</u>    | T. Devonian _____      | T. Menefee _____            | T. Madison _____        |
| T. Queen <u>1030</u>      | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____         |
| T. Grayburg _____         | T. Montoya _____       | T. Mancos _____             | T. McCracken _____      |
| T. San Andres <u>1647</u> | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzite _____ |
| T. Glorieta <u>2670</u>   | T. McKee _____         | Base Greenhorn _____        | T. Granite _____        |
| T. Paddock _____          | T. Ellenburger _____   | T. Dakota _____             | T. _____                |
| T. Blinberry _____        | T. Gr. Wash _____      | T. Morrison _____           | T. _____                |
| T. Tubb <u>4408</u>       | T. Granite _____       | T. Todilto _____            | T. _____                |
| T. Drinkard _____         | T. Delaware Sand _____ | T. Entrada _____            | T. _____                |
| T. Abe <u>5186</u>        | T. Bone Springs _____  | T. Wingate _____            | T. _____                |
| T. Wolfcamp <u>6300</u>   | T. _____               | T. Chinle _____             | T. _____                |
| T. Penn. <u>7070</u>      | T. _____               | T. Permian _____            | T. _____                |
| T. Cisco (Bough C) _____  | T. _____               | T. Penn. "A" _____          | T. _____                |

## OIL OR GAS SANDS OR ZONES

|                                        |                            |
|----------------------------------------|----------------------------|
| No. 1, from <u>8490</u> to <u>8550</u> | No. 4, from _____ to _____ |
| No. 2, from <u>none</u> to _____       | No. 5, from _____ to _____ |
| No. 3, from _____ to _____             | No. 6, from _____ to _____ |

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

|                                                             |
|-------------------------------------------------------------|
| No. 1, from <u>0</u> to <u>165'</u> feet. <u>no in flow</u> |
| No. 2, from <u>none</u> to _____ feet. _____                |
| No. 3, from _____ to _____ feet. _____                      |
| No. 4, from _____ to _____ feet. _____                      |

## FORMATION RECORD (Attach additional sheets if necessary)

| From | To   | Thickness<br>in Feet | Formation       | From | To | Thickness<br>in Feet | Formation |
|------|------|----------------------|-----------------|------|----|----------------------|-----------|
| 0    | 2410 | 2410                 | Lime - dolomite |      |    |                      |           |
| 2410 | 3005 | 595                  | Shale-lime-sand |      |    |                      |           |
| 3005 | 3088 | 83                   | Lime            |      |    |                      |           |
| 3088 | 4408 | 1320                 | Lime-shale      |      |    |                      |           |
| 4408 | 4550 | 142                  | Shale           |      |    |                      |           |
| 4550 | 4835 | 285                  | Shale-lime      |      |    |                      |           |
| 4835 | 5180 | 345                  | Lime-shale      |      |    |                      |           |
| 5180 | 5570 | 390                  | Shale-lime-sand |      |    |                      |           |
| 5570 | 6410 | 840                  | Lime            |      |    |                      |           |
| 6410 | 7015 | 605                  | Shale-lime      |      |    |                      |           |
| 7015 | 7275 | 260                  | Lime-shale      |      |    |                      |           |
| 7275 | 7520 | 245                  | Shale           |      |    |                      |           |
| 7520 | 7630 | 110                  | Lime            |      |    |                      |           |
| 7630 | 8315 | 685                  | Shale-lime      |      |    |                      |           |
| 8315 | 8668 | 353                  | Shale-sand      |      |    |                      |           |
| 8668 | TD   | 122                  | Lime-shale      |      |    |                      |           |