

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

|                        |  |
|------------------------|--|
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|                                |                                         |
|--------------------------------|-----------------------------------------|
| 5a. Indicate Type of Lease     |                                         |
| State <input type="checkbox"/> | Fee <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |                                         |
|                                |                                         |

|                                                                                                                                                                                                                                                                                                                                                          |  |                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|
| 1a. TYPE OF WELL                                                                                                                                                                                                                                                                                                                                         |  | 7. Unit Agreement Name               |  |
| b. TYPE OF COMPLETION<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____ |  | 8. Farm or Lease Name<br><b>Cady</b> |  |

|                                                                                  |  |                                                            |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------|--|
| 2. Name of Operator<br><b>Harper Oil Company</b>                                 |  | 9. Well No.<br><b>1</b>                                    |  |
| 3. Address of Operator<br><b>904 Hightower Bldg., Oklahoma City, Okla. 73102</b> |  | 10. Field and Pool, or Wildcat<br><b>W. Milnesand Penn</b> |  |

|                                                                                                   |  |                                |  |
|---------------------------------------------------------------------------------------------------|--|--------------------------------|--|
| 4. Location of Well                                                                               |  |                                |  |
| UNIT LETTER <b>F</b> LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM |  | 12. County<br><b>Roosevelt</b> |  |
| THE <b>West</b> LINE OF SEC. <b>19</b> TWP. <b>8S</b> RGE. <b>34E</b> NMPM                        |  |                                |  |

|                                    |                                         |                                                   |                                                                     |                                      |
|------------------------------------|-----------------------------------------|---------------------------------------------------|---------------------------------------------------------------------|--------------------------------------|
| 15. Date Spudded<br><b>12-6-81</b> | 16. Date T.D. Reached<br><b>1-14-82</b> | 17. Date Compl. (Ready to Prod.)<br><b>4-1-82</b> | 18. Elevations (DF, RKB, RT, GR, etc.)<br><b>4341' RKB; 4319 GR</b> | 19. Elev. Casinghead<br><b>4341'</b> |
| 20. Total Depth<br><b>9446'</b>    | 21. Plug Back T.D.<br><b>N/A</b>        | 22. If Multiple Compl., How Many<br>_____         | 23. Intervals Drilled By<br><b>0-9446'</b>                          | Rotary Tools<br>_____                |

|                                                                                                     |  |                                              |
|-----------------------------------------------------------------------------------------------------|--|----------------------------------------------|
| 24. Producing Interval(s), of this completion - Top, Bottom, Name<br><b>Bough "B" - 9192'-9208'</b> |  | 25. Was Directional Survey Made<br><b>No</b> |
|-----------------------------------------------------------------------------------------------------|--|----------------------------------------------|

|                                                                                             |                                 |
|---------------------------------------------------------------------------------------------|---------------------------------|
| 26. Type Electric and Other Logs Run<br><b>Compensated Neutron, Dual Laterlog &amp; CBL</b> | 27. Was Well Cored<br><b>No</b> |
|---------------------------------------------------------------------------------------------|---------------------------------|

| 28. CASING RECORD (Report all strings set in well) |                         |              |                |                  |               |
|----------------------------------------------------|-------------------------|--------------|----------------|------------------|---------------|
| CASING SIZE                                        | WEIGHT LB./FT.          | DEPTH SET    | HOLE SIZE      | CEMENTING RECORD | AMOUNT PULLED |
| <b>13 3/8"</b>                                     | <b>68#</b>              | <b>372'</b>  | <b>17 1/2"</b> | <b>475 sks</b>   | <b>None</b>   |
| <b>8 5/8"</b>                                      | <b>32#</b>              | <b>3903'</b> | <b>12 1/4"</b> | <b>1660 sks</b>  | <b>None</b>   |
| <b>5 1/2"</b>                                      | <b>15 1/2 &amp; 17#</b> | <b>9446'</b> | <b>7 7/8"</b>  | <b>1300 sks</b>  | <b>None</b>   |

| 29. LINER RECORD |     |        |              |        | 30. TUBING RECORD |              |             |
|------------------|-----|--------|--------------|--------|-------------------|--------------|-------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET    | PACKER SET  |
| <b>None</b>      |     |        |              |        | <b>2 7/8"</b>     | <b>9445'</b> | <b>None</b> |

|                                                                                    |                                                |                               |
|------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------|
| 31. Perforation Record (Interval, size and number)<br><b>9192'-9208', 23 holes</b> | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                               |
|                                                                                    | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED |
|                                                                                    | <b>9192'-9208'</b>                             | <b>2000 gals. 20% NE Acid</b> |
|                                                                                    |                                                |                               |

| 33. PRODUCTION                          |                             |                                                                                                                |                                  |                          |                            |                                                    |                          |
|-----------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------------------------|--------------------------|
| Date First Production<br><b>3-26-82</b> |                             | Production Method (Flowing, gas lift, pumping - Size and type pump)<br><b>Pumping - 1 1/2" x 20' RHBC Pump</b> |                                  |                          |                            | Well Status (Prod. or Shut-in)<br><b>Producing</b> |                          |
| Date of Test<br><b>4-27-82</b>          | Hours Tested<br><b>24</b>   | Choke Size<br>_____                                                                                            | Prod'n. For Test Period<br>_____ | Oil - Bbl.<br><b>22</b>  | Gas - MCF<br><b>None</b>   | Water - Bbl.<br><b>220</b>                         | Gas - Oil Ratio<br>_____ |
| Flow Tubing Press.<br>_____             | Casing Pressure<br><b>0</b> | Calculated 24-Hour Rate<br>_____                                                                               | Oil - Bbl.<br><b>22</b>          | Gas - MCF<br><b>None</b> | Water - Bbl.<br><b>220</b> | Oil Gravity - API (Corr.)<br><b>42°</b>            |                          |

|                                                                                    |                                         |
|------------------------------------------------------------------------------------|-----------------------------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br><b>None produced</b> | Test Witnessed By<br><b>Dan Needham</b> |
|------------------------------------------------------------------------------------|-----------------------------------------|

|                                                                                      |
|--------------------------------------------------------------------------------------|
| 35. List of Attachments<br><b>Logs listed above in Sec. 26 &amp; Deviation Tests</b> |
|--------------------------------------------------------------------------------------|

|                                                                                                                                         |                                 |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------|
| 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 <b>[Signature]</b>                                                                                                               | TITLE <b>Production Manager</b> | DATE <b>5-6-82</b> |

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 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 quadruplicate 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 <u>1888'</u>            | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt <u>2137'</u>            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____                   | T. Atoka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates <u>2510'</u>           | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____               | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen <u>3234'</u>           | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____               | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| T. San Andres <u>3764'</u>      | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta <u>5170'</u>        | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____                | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinebry _____               | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb <u>6642'</u>            | T. Granite _____       | T. Todilto _____            | T. _____               |
| T. Drinkard _____               | T. Delaware Sand _____ | T. Entrada _____            | T. _____               |
| T. Abo <u>7502'</u>             | T. Bone Springs _____  | T. Wingate _____            | T. _____               |
| T. Wolfcamp <u>8518'</u>        | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn. _____                  | T. _____               | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) <u>9222'</u> | T. _____               | T. Penn. "A" _____          | T. _____               |

## OIL OR GAS SANDS OR ZONES

|                                        |                            |
|----------------------------------------|----------------------------|
| No. 1, from <u>9144</u> to <u>9446</u> | No. 4, from _____ to _____ |
| No. 2, from <u>4570</u> to <u>4602</u> | 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 _____ to _____ feet. | _____ |
| No. 2, from _____ 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    | 372  | 372                  | Surface         | 9225 | 9378 | 153                  | Lm        |
| 372  | 2345 | 1973                 | Redbed          | 9378 | 9446 | 68                   | Lm & sh   |
| 2345 | 3395 | 1050                 | Salt, Anhy & Lm |      | TD   |                      |           |
| 3395 | 3774 | 379                  | Sh & lm         |      |      |                      |           |
| 3774 | 3903 | 129                  | Dolo            |      |      |                      |           |
| 3903 | 4944 | 1041                 | Sd & dolo       |      |      |                      |           |
| 4944 | 6350 | 1406                 | Dolo & lm       |      |      |                      |           |
| 6350 | 7270 | 920                  | Dolo, sd & anhy |      |      |                      |           |
| 7270 | 7505 | 235                  | Anhy & dolo     |      |      |                      |           |
| 7505 | 7663 | 158                  | Sh              |      |      |                      |           |
| 7663 | 8095 | 432                  | Sh & lm         |      |      |                      |           |
| 8095 | 8177 | 82                   | Sh & dolo       |      |      |                      |           |
| 8177 | 8601 | 424                  | Dolo            |      |      |                      |           |
| 8601 | 9225 | 624                  | Lm & sh         |      |      |                      |           |

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