

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
| SANTA FE               |  |
| FILE                   |  |
| U.S.G.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

Form C-105  
Revised 11-1-76

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

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>B-3610                                                               |

API NO. 30-025-27087

|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  |                                                                                  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|
| 1a. TYPE OF WELL<br>b. TYPE OF COMPLETION<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/><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 <input type="checkbox"/> |  |                                                                                                                       |  | 7. Unit Agreement Name                                                                                                                                                                     |  |                                                                                  |  |
| 2. Name of Operator<br>Phillips Petroleum Company                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                       |  | 8. Farm or Lease Name<br>Mexco-A                                                                                                                                                           |  |                                                                                  |  |
| 3. Address of Operator<br>Room 401, 4001 Penbrook Street, Odessa, Texas, 79762                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                       |  | 9. Well No.<br>5                                                                                                                                                                           |  |                                                                                  |  |
| 4. Location of Well<br>UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM                                                                                                                                                                                                                                                                                          |  |                                                                                                                       |  | 10. Field and Pool, or Wildcat<br>Maljamar Gb/SA                                                                                                                                           |  |                                                                                  |  |
| THE <u>West</u> LINE OF SEC. <u>2</u> TWP. <u>17-S</u> RGE. <u>32-E</u> NMPM                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                       |  | 12. County<br>Lea                                                                                                                                                                          |  |                                                                                  |  |
| 15. Date Spudded<br>11-23-80                                                                                                                                                                                                                                                                                                                                                                                       |  | 16. Date T.D. Reached<br>12-7-80                                                                                      |  | 17. Date Compl. (Ready to Prod.)<br>2-3-81                                                                                                                                                 |  | 18. Elevations (DF, RKB, RT, GR, etc.)<br>4265 GR, 4275' RKB                     |  |
| 19. Elev. Casinghead<br>---                                                                                                                                                                                                                                                                                                                                                                                        |  | 20. Total Depth<br>4550'                                                                                              |  | 21. Plug Back T.D.<br>4540'                                                                                                                                                                |  | 22. If Multiple Compl., How Many<br>NA                                           |  |
| 23. Intervals Drilled By<br>Rotary Tools<br>Yes                                                                                                                                                                                                                                                                                                                                                                    |  | 24. Producing Interval(s), of this completion - Top, Bottom, Name<br>Grayburg-San Andres Top 3904', Bottom 4550' T.D. |  | 25. Was Directional Survey Made<br>No                                                                                                                                                      |  | 26. Type Electric and Other Logs Run<br>Schlumberger - DLL-Rxo, GR-Cal, C&L, FDC |  |
| 27. Was Well Cored<br>No                                                                                                                                                                                                                                                                                                                                                                                           |  | 28. CASING RECORD (Report all strings set in well)                                                                    |  |                                                                                                                                                                                            |  |                                                                                  |  |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                                                        |  | WEIGHT LB./FT.                                                                                                        |  | DEPTH SET                                                                                                                                                                                  |  | HOLE SIZE                                                                        |  |
| 8-5/8"                                                                                                                                                                                                                                                                                                                                                                                                             |  | 24#, K-55                                                                                                             |  | 431'                                                                                                                                                                                       |  | 12-1/4"                                                                          |  |
| 4-1/2"                                                                                                                                                                                                                                                                                                                                                                                                             |  | 11.6#, L-80                                                                                                           |  | 4549'                                                                                                                                                                                      |  | 7-7/8"                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | CEMENTING RECORD                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | 400 sxs Cl. "C" w/2% CaCl <sub>2</sub> - Circd. 125 sxs (to surface)             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | 1300 sxs. TLW w/10% DD, 10#/sx Salt; (Circd 60 sxs surface)                      |  |
| 29. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                       |  | 30. TUBING RECORD                                                                                                                                                                          |  |                                                                                  |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                               |  | TOP                                                                                                                   |  | BOTTOM                                                                                                                                                                                     |  | SACKS CEMENT                                                                     |  |
| ---                                                                                                                                                                                                                                                                                                                                                                                                                |  | ---                                                                                                                   |  | ---                                                                                                                                                                                        |  | ---                                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | SCREEN                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | 2-3/8"                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | DEPTH SET                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | 4390'                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | PACKER SET                                                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | ---                                                                              |  |
| 31. Perforation Record (Interval, size and number)<br>Perfd. 4-1/2" csg. w/2JSPF<br>4372-4382' 4184-4190'<br>4358-4368' 4145-4153'<br>4194-4196' 4096-4102'<br>42' -- 84 Shots                                                                                                                                                                                                                                     |  |                                                                                                                       |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL<br>4096 - 4382' Acidized w/2000 gals. SHFC Acid<br>4096 - 4382' Frac w/32,000 gals. refined oil and 54,000# of 20/40 sand |  |                                                                                  |  |
| 33. PRODUCTION<br>Date First Production 2-5-81<br>Production Method (Flowing, gas lift, pumping - Size and type pump) Insert Pump 2" x 1-1/4" x 20"<br>Well Status (Prod. or Shut-in) Prod.                                                                                                                                                                                                                        |  |                                                                                                                       |  |                                                                                                                                                                                            |  |                                                                                  |  |
| Date of Test 2-17-81                                                                                                                                                                                                                                                                                                                                                                                               |  | Hours Tested 24                                                                                                       |  | Choke Size ---                                                                                                                                                                             |  | Prod'n. For Test Period                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Oil - Bbl. 84                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Gas - MCF 111                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Water - Bbl. 0                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Gas - Oil Ratio 1321                                                             |  |
| Flow Tubing Press. ---                                                                                                                                                                                                                                                                                                                                                                                             |  | Casing Pressure ---                                                                                                   |  | Calculated 24-Hour Rate ---                                                                                                                                                                |  | Oil - Bbl. ---                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Gas - MCF ---                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Water - Bbl. ---                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Oil Gravity -- API (Corr.) 36.4                                                  |  |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                       |  |                                                                                                                                                                                            |  | Test Witnessed By<br>Bernie Allen                                                |  |
| 35. List of Attachments<br>Schlumberger to Furnish Logs Direct.                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  |                                                                                                                                                                                            |  |                                                                                  |  |
| 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 <u>W. J. Mueller</u>                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                       |  | TITLE <u>Sr. Engineering Specialist</u>                                                                                                                                                    |  |                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |  | DATE <u>February 23, 1981</u>                                                                                                                                                              |  |                                                                                  |  |

## 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 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 |                   |  |
|-------------------------|-------|------------------|-------------------------|-------------------|--|
| Rustler                 | 1215' | T. Canyon        | T. Ojo Alamo            | T. Penn. "B"      |  |
| <del>F. Anhy</del>      |       | T. Strawn        | T. Kirtland-Fruitland   | T. Penn. "C"      |  |
| Salado                  | 1394' | T. Atoka         | T. Pictured Cliffs      | T. Penn. "D"      |  |
| B. Salt                 |       | T. Miss          | T. Cliff House          | T. Leadville      |  |
| T. Yates                | 2493' | T. Devonian      | T. Menefee              | T. Madison        |  |
| T. 7 Rivers             | 2826' | T. Silurian      | T. Point Lookout        | T. Elbert         |  |
| T. Queen                | 3454' | T. Montoya       | T. Mancos               | T. McCracken      |  |
| T. Grayburg             | 3904' | T. Simpson       | T. Gallup               | T. Ignacio Qtzite |  |
| T. San Andres           | 4238' | T. McKee         | Base Greenhorn          | T. Granite        |  |
| T. Glorieta             |       | T. Ellenburger   | T. Dakota               | T.                |  |
| T. Paddock              |       | T. Gr. Wash      | T. Morrison             | T.                |  |
| T. Blinberry            |       | T. Granite       | T. Todilto              | T.                |  |
| T. Tubb                 |       | T. Delaware Sand | T. Entrada              | T.                |  |
| T. Drinkard             |       | T. Bone Springs  | T. Wingate              | T.                |  |
| T. Abo                  |       | T.               | T. Chinle               | T.                |  |
| T. Wolfcamp             |       | T.               | T. Permian              | T.                |  |
| T. Penn.                |       | T.               | T. Penn. "A"            | T.                |  |
| T. Cisco (Bough C)      |       | T.               |                         |                   |  |

## OIL OR GAS SANDS OR ZONES

|                         |                         |
|-------------------------|-------------------------|
| No. 1, from.....to..... | No. 4, from.....to..... |
| No. 2, from.....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.....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    | 2202 | 2202                 | Redbed      |      |    |                      |           |
| 2202 | 2668 | 466                  | Salt/Anhy.  |      |    |                      |           |
| 2668 | 4378 | 1710                 | Anhy.       |      |    |                      |           |
| 4378 | 4522 | 144                  | Anhy./Dolo. |      |    |                      |           |
| 4522 | 4550 | 28                   | Dolo.       |      |    |                      |           |
|      | T.D. |                      |             |      |    |                      |           |

APR 23 1981