

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

API No. 30-025-26998

|                                                                                                                                                                                                                         |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-------------------------------------------------------------------------|--|-----------------------------------|--|-------------------------------------------------------------------------------|--|------------------------------------|--|----------------------------------------|--|
| 1. NO. OF COPIES RECEIVED                                                                                                                                                                                               |  | 2. DISTRIBUTION     |  | 3. SANTA FE                                                             |  | 4. FILE                           |  | 5. U.S.O.S.                                                                   |  | 6. LAND OFFICE                     |  | 7. OPERATOR                            |  |
| 10. TYPE OF WELL                                                                                                                                                                                                        |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 11. water injection                    |  |
| b. TYPE OF COMPLETION                                                                                                                                                                                                   |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 12. PMX No. 100                        |  |
| 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"/> |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| 13. Name of Operator                                                                                                                                                                                                    |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 14. East Vacuum Gb/SA Unit             |  |
| 15. Address of Operator                                                                                                                                                                                                 |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 16. East Vacuum Gb/SA Unit, Tract 3467 |  |
| 17. Room 401, 4001 Penbrook Street, Odessa, Texas 79762                                                                                                                                                                 |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 18. 002                                |  |
| 19. Location of Well                                                                                                                                                                                                    |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 20. Vacuum Gb/SA                       |  |
| 21. UNIT LETTER H LOCATED 2300 FEET FROM THE north LINE AND 1250 FEET FROM                                                                                                                                              |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 22. Lea                                |  |
| 23. THE east LINE OF SEC. 34 TWP. 17-S RGE. 35-E NMPM                                                                                                                                                                   |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 24. 11-8-80                            |  |
| 25. 11-19-81                                                                                                                                                                                                            |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 26. 3-23-81                            |  |
| 27. 3933.5' RKB, 3923' GL                                                                                                                                                                                               |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 28. ---                                |  |
| 29. 4800'                                                                                                                                                                                                               |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 30. 4715'                              |  |
| 31. NA                                                                                                                                                                                                                  |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 32. rotary                             |  |
| 33. Grayburg-San Andres, Top 4259', Bottom 4800'                                                                                                                                                                        |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 34. No                                 |  |
| 35. Schlumberger-CNL                                                                                                                                                                                                    |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 36. No                                 |  |
| 37. CASING RECORD (Report all strings set in well)                                                                                                                                                                      |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| CASING SIZE                                                                                                                                                                                                             |  | WEIGHT LB./FT.      |  | DEPTH SET                                                               |  | HOLE SIZE                         |  | CEMENTING RECORD                                                              |  |                                    |  | AMOUNT PULLED                          |  |
| 8-5/8"                                                                                                                                                                                                                  |  | 24#, K-55           |  | 358'                                                                    |  | 12-1/4"                           |  | 400 sxs C1 "H" w/2% CaCl <sub>2</sub>                                         |  |                                    |  | circd 180                              |  |
| 5-1/2"                                                                                                                                                                                                                  |  | 14#, K-55           |  | 4791'                                                                   |  | 7-7/8"                            |  | 1100 sxs TLW w/12#/sx salt, followed w/400 sxs C1 "H" w/5#/sx salt, circd 175 |  |                                    |  |                                        |  |
| 38. LINER RECORD                                                                                                                                                                                                        |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| SIZE                                                                                                                                                                                                                    |  | TOP                 |  | BOTTOM                                                                  |  | SACKS CEMENT                      |  | SCREEN                                                                        |  | SIZE                               |  | DEPTH SET                              |  |
| ---                                                                                                                                                                                                                     |  | ---                 |  | ---                                                                     |  | ---                               |  | ---                                                                           |  | *2-7/8"                            |  | 4394'                                  |  |
|                                                                                                                                                                                                                         |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | (plastic-lined)                        |  |
| 39. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                          |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| 40. Perforation Record (Interval, size and number)                                                                                                                                                                      |  |                     |  |                                                                         |  | 41. DEPTH INTERVAL                |  |                                                                               |  |                                    |  |                                        |  |
| Perfor 5-1/2" csg w/2 JSPF at:                                                                                                                                                                                          |  |                     |  |                                                                         |  | 42. AMOUNT AND KIND MATERIAL USED |  |                                                                               |  |                                    |  |                                        |  |
| 4589-4594' 4654-4657'                                                                                                                                                                                                   |  |                     |  |                                                                         |  | 4589-4665'                        |  |                                                                               |  |                                    |  |                                        |  |
| 4608-4620' 4663-4665'                                                                                                                                                                                                   |  |                     |  |                                                                         |  | w/scale inhibitor, LST agent      |  |                                                                               |  |                                    |  |                                        |  |
| 4630-4635' 27'--54 shots                                                                                                                                                                                                |  |                     |  |                                                                         |  | and ball sealers.                 |  |                                                                               |  |                                    |  |                                        |  |
| 43. PRODUCTION                                                                                                                                                                                                          |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| 44. Date First Production                                                                                                                                                                                               |  |                     |  | 45. Production Method (Flowing, gas lift, pumping - Size and type pump) |  |                                   |  |                                                                               |  | 46. Well Status (Prod. or Shut-in) |  |                                        |  |
| *3-30-81                                                                                                                                                                                                                |  |                     |  | ---                                                                     |  |                                   |  |                                                                               |  | water injection                    |  |                                        |  |
| 47. Date of Test                                                                                                                                                                                                        |  | 48. Hours Tested    |  | 49. Choke Size                                                          |  | 50. Prod'n. For Test Period       |  | 51. Oil - Bbl.                                                                |  | 52. Gas - MCF                      |  | 53. Water - Bbl.                       |  |
| ---                                                                                                                                                                                                                     |  | ---                 |  | ---                                                                     |  | ---                               |  | ---                                                                           |  | ---                                |  | ---                                    |  |
| 54. Flow Tubing Press.                                                                                                                                                                                                  |  | 55. Casing Pressure |  | 56. Calculated 24-Hour Rate                                             |  | 57. Oil - Bbl.                    |  | 58. Gas - MCF                                                                 |  | 59. Water - Bbl.                   |  | 60. Oil Gravity - API (Corr.)          |  |
| ---                                                                                                                                                                                                                     |  | ---                 |  | ---                                                                     |  | ---                               |  | ---                                                                           |  | ---                                |  | ---                                    |  |
| 61. Disposition of Gas (Sold, used for fuel, vented, etc.)                                                                                                                                                              |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | 62. Test Witnessed By                  |  |
| NA                                                                                                                                                                                                                      |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  | NA                                     |  |
| 63. List of Attachments                                                                                                                                                                                                 |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| Logs will be furnished direct by Schlumberger.                                                                                                                                                                          |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| 64. 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.                                                                                 |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |
| 65. SIGNER <i>W. J. Mueller</i> W. J. Mueller TITLE Sr. Engineering Specialist DATE April 20, 1981                                                                                                                      |  |                     |  |                                                                         |  |                                   |  |                                                                               |  |                                    |  |                                        |  |

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run in 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

|                       |                  |                      |                  |
|-----------------------|------------------|----------------------|------------------|
| Chinle (Redbeds) 228' | T. Canyon        | T. Ojo Alamo         | T. Penn. "B"     |
| Rustler 1650'         | T. Strawn        | T. Kitland-Fruitland | T. Penn. "C"     |
| Salado 1829'          | T. Atoka         | T. Fractured Cliffs  | T. Penn. "D"     |
| T. Yates 2975'        | T. Miss          | T. Cliff House       | T. Leadville     |
| T. 7 Rivers           | T. Devonian      | T. Menefee           | T. Madison       |
| T. Queen 3899'        | T. Silurian      | T. Point Lookout     | T. Elbert        |
| T. Grayburg 4259'     | T. Montoya       | T. Mancos            | T. McCracken     |
| T. San Andres 4580'   | T. Simpson       | T. Gallup            | T. Ignacio Quete |
| T. Glorieta           | T. McKee         | Base Greenhorn       | T. Granite       |
| T. Paddock            | T. Ellenburger   | T. Dakota            | T.               |
| T. Blinberry          | T. Gr. Wash      | T. Morrison          | T.               |
| T. Tubb               | T. Granite       | T. Todillo           | T.               |
| T. Drinkard           | T. Delaware Sand | T. Entrada           | T.               |
| T. Abo                | T. Bone Springs  | T. Wingate           | T.               |
| T. Wolfcamp           | T.               | T. Chinle            | T.               |
| T. Penn.              | T.               | T. Pennian           | T.               |
| T. Cisco (Bough C)    | T.               | T. Penn. "A"         | 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                                                                                                                                                   | 358  | 358                  | Surface         |      |    |                      |           |
| 358                                                                                                                                                 | 1670 | 1312                 | Redbed          |      |    |                      |           |
| 1670                                                                                                                                                | 2126 | 456                  | Redbed and Salt |      |    |                      |           |
| 2126                                                                                                                                                | 2980 | 854                  | Salt Anhy       |      |    |                      |           |
| 2980                                                                                                                                                | 3839 | 859                  | Anhy            |      |    |                      |           |
| 3839                                                                                                                                                | 4629 | 790                  | Lime and Anhy   |      |    |                      |           |
| 4629                                                                                                                                                | 4745 | 116                  | Lime and Dolo   |      |    |                      |           |
| 4745                                                                                                                                                | 4800 | 55                   | Lime and Anhy   |      |    |                      |           |
|                                                                                                                                                     | TD   |                      |                 |      |    |                      |           |
| <p>*Ran 2-7/8" tbg w/Baker Lok-Set pkr set at 4394'. Started water injection through 5-1/2" csg perfs 4589-4665' at rate of 400 BPD, "0" press.</p> |      |                      |                 |      |    |                      |           |

RECEIVED

APR 24 1968

J. L. [unclear]

## INCLINATION REPORT

OPERATOR PHILLIPS PET. CO ADDRESS 4001 Penbrook, Odessa, Texas 79762  
 LEASE NAME East Vacuum Gb/SA Unit, Tr. 3467 WELL NO. 002 FIELD Vacuum Gb/SA  
 LOCATION (Unit H) 2300' FNL and 1250' FEL, Sec. 34, T-17-S, 35-E, Lea County, New Mexico

| DEPTH | ANGLE<br>INCLINATION DEGREES | DISPLACEMENT | DISPLACEMENT<br>ACCUMULATED |
|-------|------------------------------|--------------|-----------------------------|
| 358   | 1/2                          | 3.1146       | 3.1146                      |
| 851   | 1 1/4                        | 10.7474      | 13.8620                     |
| 1372  | 1                            | 9.1175       | 22.9795                     |
| 1907  | 1 1/2                        | 14.0170      | 36.9965                     |
| 2405  | 1 1/4                        | 10.8128      | 47.8093                     |
| 2847  | 1 1/2                        | 11.6328      | 59.4421                     |
| 3345  | 1 1/2                        | 12.9952      | 72.4373                     |
| 3858  | 1 1/2                        | 13.4930      | 85.9303                     |
| 4400  | 1                            | 9.4850       | 95.4153                     |
| 4800  | 1 1/2                        | 10.4800      | 105.8953                    |

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

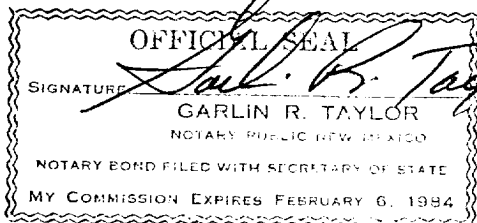
Denise Leake  
 TITLE OFFICE MANAGER

## AFFIDAVIT:

Before me, the undersigned authority, appeared DENISE LEAKE  
 known to me to be the person whose name is subscribed herebelow, who, on making  
 deposition, under oath states that he is acting for and in behalf of the operator  
 of the well identified above, and that to the best of his knowledge and belief such  
 well was not intentionally deviated from the true vertical whatsoever.

Denise Leake  
 AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 21 day of NOVEMBER, 19 80



Notary Public in and for the County  
 of Lea, State of New Mexico

SEAL