

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

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

|                                           |                              |
|-------------------------------------------|------------------------------|
| 5a. Indicate Type of Lease                |                              |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |
| E-316                                     |                              |

|                                                                                                  |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  |                                |  |
|--------------------------------------------------------------------------------------------------|--|-----------------------------------|--|------------------------------------|--|--------------------------------------------|--|------------------------------------|--|---------------------------------------|--|--------------------------------|--|
| 1a. TYPE OF WELL                                                                                 |  | OIL WELL <input type="checkbox"/> |  | GAS WELL <input type="checkbox"/>  |  | DRY <input checked="" type="checkbox"/> TA |  | OTHER _____                        |  |                                       |  |                                |  |
| b. TYPE OF COMPLETION                                                                            |  | NEW WELL <input type="checkbox"/> |  | WORK OVER <input type="checkbox"/> |  | DEEPEN <input type="checkbox"/>            |  | PLUG BACK <input type="checkbox"/> |  | DIFF. RESVR. <input type="checkbox"/> |  | OTHER Re-entry                 |  |
| 2. Name of Operator                                                                              |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | 7. Unit Agreement Name         |  |
| ARCO Oil and Gas Company                                                                         |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  |                                |  |
| Division of Atlantic Richfield Company                                                           |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | 8. Farm or Lease Name          |  |
|                                                                                                  |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | State "G" TG                   |  |
| 3. Address of Operator                                                                           |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | 9. Well No.                    |  |
| P. O. Box 1710, Hobbs, New Mexico 88240                                                          |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | 2                              |  |
| 4. Location of Well                                                                              |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | 10. Field and Pool, or Wildcat |  |
|                                                                                                  |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | EK Yates 7R Queen              |  |
| UNIT LETTER <u>D</u> LOCATED <u>330</u> FEET FROM THE <u>North</u> LINE AND <u>990</u> FEET FROM |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | 12. County                     |  |
| LINE <u>West</u> LINE OF SEC. <u>24</u> TWP. <u>18S</u> RGE. <u>33E</u> NMPM                     |  |                                   |  |                                    |  |                                            |  |                                    |  |                                       |  | <u>Lea</u>                     |  |
| 15. Date Spudded                                                                                 |  | 16. Date T.D. Reached             |  | 17. Date Compl. (Ready to Prod.)   |  | 18. Elevations (D.F., RKB, RT, GR, etc.)   |  | 19. Elev. Casinghead               |  |                                       |  |                                |  |
| 4/11/85                                                                                          |  | 4/16/85                           |  | Dry - TA                           |  | 3917' DF                                   |  |                                    |  |                                       |  |                                |  |
| 20. Total Depth                                                                                  |  | 21. Plug Back T.D.                |  | 22. If Multiple Compl., How Many   |  | 23. Intervals Drilled By                   |  | Rotary Tools                       |  | Cable Tools                           |  |                                |  |
| 4383'                                                                                            |  | 4164'                             |  |                                    |  | →                                          |  | 0-4383'                            |  |                                       |  |                                |  |
| 24. Producing Interval(s), of this completion - Top, Bottom, Name                                |  |                                   |  |                                    |  |                                            |  |                                    |  | 25. Was Directional Survey Made       |  |                                |  |
| 3541-3604', 3485-3522' Yates                                                                     |  |                                   |  |                                    |  |                                            |  |                                    |  | No                                    |  |                                |  |
| 26. Type Electric and Other Logs Run                                                             |  |                                   |  |                                    |  |                                            |  |                                    |  | 27. Was Well Cored                    |  |                                |  |
| GR-DSN & CBL                                                                                     |  |                                   |  |                                    |  |                                            |  |                                    |  | No                                    |  |                                |  |

## CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 8-5/8" OD   | 24#            | 1661'     | 11"       | 700              |               |
| 5 1/2" OD   | 15.5#          | 4383'     | 7-7/8"    | 400              |               |
|             |                |           |           |                  |               |

| LINER RECORD |     |        |              |        | TUBING RECORD |           |            |
|--------------|-----|--------|--------------|--------|---------------|-----------|------------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE          | DEPTH SET | PACKER SET |
|              |     |        |              |        |               |           |            |
|              |     |        |              |        |               |           |            |

|                                                    |                                                |                               |
|----------------------------------------------------|------------------------------------------------|-------------------------------|
| 31. Perforation Record (interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                               |
|                                                    | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED |
|                                                    | 500'                                           | Cmt sqzd w/485 sx C1 H Neat   |
|                                                    | 3541-3604'                                     | 1580 gals 15% HCL NEFE        |
|                                                    | 3485-3522'                                     | 1190 gals 15% HCL NEFE        |
|                                                    |                                                |                               |

|                                                             |
|-------------------------------------------------------------|
| 3541, 67, 69, 72, 83, 94, 3596, 3602, 3604' = 20 .50" holes |
| 3485, 3500, 02, 04, 20, 3522' = 12 .50" holes               |

|                                                                     |                 |                                |                         |
|---------------------------------------------------------------------|-----------------|--------------------------------|-------------------------|
| 33. PRODUCTION                                                      |                 | Well Status (Prod. or Shut-in) |                         |
| Date First Production                                               |                 | Shut in - TA                   |                         |
| Production Method (Flowing, gas lift, pumping - Size and type pump) |                 |                                |                         |
| Dry - TA                                                            |                 |                                |                         |
| Date of Test                                                        | Hours Tested    | Choke Size                     | Prod'n. For Test Period |
|                                                                     |                 |                                |                         |
| Flow Tubing Press.                                                  | Casing Pressure | Calculated 24-Hour Rate        | Oil - Bbl.              |
|                                                                     |                 |                                |                         |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)          |                 |                                | Test Witnessed By       |
|                                                                     |                 |                                |                         |

|                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| 35. List of Attachments                                                                                                                 |
| Logs as listed in Item 26 above                                                                                                         |
| 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

Elizabeth L. Buck

TITLE

Drig. Engr.

DATE

6/10/85

## 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 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 _____            | 1612' | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____      |
| T. Salt _____            |       | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____      |
| B. Salt _____            |       | T. Atoka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____      |
| T. Yates _____           | 3095' | T. Miss _____          | T. Cliff House _____        | T. Leadville _____      |
| T. 7 Rivers _____        | 3620' | T. Devonian _____      | T. Menefee _____            | T. Madison _____        |
| T. Queen _____           | 4313' | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____         |
| T. Grayburg _____        |       | T. Montoya _____       | T. Mancos _____             | T. McCracken _____      |
| T. San Andres _____      |       | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzite _____ |
| T. Glorieta _____        |       | T. McKee _____         | Base Greenhorn _____        | T. Granite _____        |
| T. Paddock _____         |       | T. Ellenburger _____   | T. Dakota _____             | T. _____                |
| T. Blinbry _____         |       | T. Gr. Wash _____      | T. Morrison _____           | T. _____                |
| T. Tubb _____            |       | T. Granite _____       | T. Todilto _____            | 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. Permian _____            | T. _____                |
| T. Cisco (Bough C) _____ |       | T. _____               | T. Penn. "A" _____          | T. _____                |

## OIL OR GAS SANDS OR ZONES

No. 1, from None 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 |
|-----------------------------------------------------|----|----------------------|-----------|------|----|----------------------|-----------|
| Reported previously when well was initially drilled |    |                      |           |      |    |                      |           |

RECEIVED  
JUN 14 1935

## REFERENCES

JUN 14 1985