

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

|                        |  |
|------------------------|--|
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| FILE                   |  |
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| LAND OFFICE            |  |
| OPERATOR               |  |

|                                                                        |
|------------------------------------------------------------------------|
| 5a. Indicate Type of Lease                                             |
| State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.                                           |
| E-944                                                                  |

|                       |                                              |                                              |                                 |                                    |                                       |             |
|-----------------------|----------------------------------------------|----------------------------------------------|---------------------------------|------------------------------------|---------------------------------------|-------------|
| 1. TYPE OF WELL       | OIL WELL <input type="checkbox"/>            | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/>    | OTHER _____                        |                                       |             |
| 2. TYPE OF COMPLETION | 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 _____ |

|                                                    |
|----------------------------------------------------|
| 7. Unit Agreement Name                             |
| 8. Farm or Lease Name                              |
| State 19                                           |
| 9. Well No.                                        |
| 1                                                  |
| 10. Field and Pool, or Wildcat                     |
| Undesignated <i>Kennedy</i><br>Atoka Morrow So Gas |

2. Name of Operator ARCO Oil & Gas Company  
Div of Atlantic Richfield Co.3. Address of Operator  
P. O. Box 1710, Hobbs, New Mexico 882404. Location of Well  
INIT LETTER 0 LOCATED 960 FEET FROM THE South LINE AND 2130 FEET FROM  
East LINE OF SEC. 19 TWP. 16S RGE. 34E NMPM

|            |
|------------|
| 12. County |
| Lea        |

15. Date Spudded 11/21/81  
16. Date T.D. Reached 1/15/82  
17. Date Compl. (Ready to Prod.) 3/24/82  
18. Elevations (DF, RKB, RT, GR, etc.) 4153' GR20. Total Depth 13,200'  
21. Plug Back T.D. 12,968'  
22. If Multiple Compl., How Many \_\_\_\_\_  
23. Intervals Drilled By \_\_\_\_\_ Rotary Tools 0-13,200' Cable Tools \_\_\_\_\_24. Producing Interval(s), of this completion - Top, Bottom, Name  
12,615, 17, 27, 29, 35, 37, 39, 12,640'

|                                 |
|---------------------------------|
| 19. Elev. Casinghead            |
| 25. Was Directional Survey Made |
| No                              |
| 27. Was Well Cored              |
| No                              |

25. Type Electric and Other Logs Run  
GR-DLL, FDC/CNL, RFT, CBL

| CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|------------------------------------------------|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE                                    | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 13-3/8" OD                                     | 54.5# K-55     | 418'      | 17 1/2"   | 420 sx           |               |
| 8-5/8" OD                                      | 24# K-55       | 4500'     | 11"       | 1700 sx          |               |
| 5 1/2" OD                                      | 17# L-80       | 13,105'   | 7-7/8"    | 1250 sx          |               |

| LINER RECORD |     |        |              | TUBING RECORD |           |           |            |
|--------------|-----|--------|--------------|---------------|-----------|-----------|------------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN        | SIZE      | DEPTH SET | PACKER SET |
|              |     |        |              |               | 2-3/8" OD | 12,584    | 12,584     |

| 31. Perforation Record (Interval, size and number) |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                                                 |
|----------------------------------------------------|--|------------------------------------------------|-----------------------------------------------------------------|
|                                                    |  | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED                                   |
| 12,615, 17, 27, 29, 35, 37, 39, 12,640'=16-.56"    |  | 12,615-12,640'                                 | 500 gal 15% MFBC acid, 1500 gal Methanol, 2500 gal 15% MFBC, 25 |
|                                                    |  |                                                | by vol CO <sub>2</sub>                                          |
|                                                    |  | 12,615-12,640'                                 | Frac w/35,200 gal Versagel, 150                                 |

|                       |                                                                     |                                                 |                         |
|-----------------------|---------------------------------------------------------------------|-------------------------------------------------|-------------------------|
| 33. PRODUCTION        |                                                                     | w/30% CO <sub>2</sub> & 45,000# Bauxite pellets |                         |
| Date First Production | Production Method (Flowing, gas lift, pumping - Size and type pump) | well Status (Prod. or Shut-in)                  |                         |
| 3/25/82               | Flowing                                                             | Shut-In WOPLC                                   |                         |
| Date of Test          | Hours Tested                                                        | Choke Size                                      | Prod'n. For Test Period |
| 3/31/82               | 4-pt                                                                | Various                                         |                         |
| Flow Tubing Press.    | Casing Pressure                                                     | Calculated 24-Hour Rate                         | Oil - Bbl.              |
| 2820#                 | pkf                                                                 |                                                 | 24                      |
|                       |                                                                     | Gas - MCF                                       | 2,088                   |
|                       |                                                                     | Water - Bbl.                                    | 0                       |
|                       |                                                                     | Gas - Oil Ratio                                 | 87,000:1                |
|                       |                                                                     | Oil Gravity - API (Corr.)                       | 48°                     |

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Shut-In WOPLCTest Witnessed By  
Larry Henson35. List of Attachments  
Logs as listed in item 26 above, DST & Inclination Report.

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

*Jennita Schmidt*

TITLE

Dist. Drlg. Supt.

DATE 4/19/82

## 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 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 _____             | T. Canyon _____         | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____             | T. Strawn _____ 11,984' | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____             | T. Atoka _____ 12,182'  | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____            | T. Miss _____ 13,076'   | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____         | T. Devonian _____       | T. Menefee _____            | T. Madison _____       |
| T. Queen _____            | T. Silurian _____       | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____         | T. Montoya _____        | T. Mancos _____             | T. McCracken _____     |
| T. San Andres _____ 4506' | T. Simpson _____        | T. Gallup _____             | T. Ignacio Grite _____ |
| T. Glorieta _____ 5963'   | T. McKee _____          | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____          | T. Ellenburger _____    | T. Dakota _____             | T. _____               |
| T. Blinbry _____          | T. Gr. Wash _____       | T. Morrison _____           | T. _____               |
| T. Tubb _____ 7173'       | T. Granite _____        | T. Todillo _____            | T. _____               |
| T. Drinkard _____         | T. Delaware Sand _____  | T. Entrada _____            | T. _____               |
| T. Abo _____ 7930'        | T. Bone Springs _____   | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____ 10,533  | T. Seaman _____ 11,330  | T. Chinle _____             | T. _____               |
| T. Penn. _____            | T. Morrow _____ 12,704  | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____  | T. _____                | T. Penn. "A" _____          | T. _____               |

## OIL OR GAS SANDS OR ZONES

|                                          |                            |
|------------------------------------------|----------------------------|
| No. 1, from _____ 12,615 to _____ 12,640 | 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 | None Encountered |
| 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 |
|-------|-------|----------------------|---------------------|------|----|----------------------|-----------|
|       | 418   | 418                  | Surface & Red Bed   |      |    |                      |           |
| 418   | 1372  | 954                  | Red Bed             |      |    |                      |           |
| 1372  | 1807  | 435                  | Red Bed & Anhy      |      |    |                      |           |
| 1807  | 3104  | 1297                 | Anhy & Salt         |      |    |                      |           |
| 3104  | 4316  | 1212                 | Anhy                |      |    |                      |           |
| 4316  | 5070  | 754                  | Anhy & Lime         |      |    |                      |           |
| 5070  | 11348 | 6278                 | Lime & Shale        |      |    |                      |           |
| 11348 | 11541 | 193                  | Lime, Shale & Chert |      |    |                      |           |
| 11541 | 11700 | 159                  | Lime & Shale        |      |    |                      |           |
| 11700 | 11851 | 151                  | Lime, Shale & Chert |      |    |                      |           |
| 11851 | 12197 | 346                  | Lime & Shale        |      |    |                      |           |
| 12197 | 12214 | 17                   | Lime, Shale & Chert |      |    |                      |           |
| 12214 | 12247 | 33                   | Lime & Shale        |      |    |                      |           |
| 12247 | 12295 | 48                   | Shale               |      |    |                      |           |
| 12295 | 13200 | 905                  | Lime & Shale        |      |    |                      |           |

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