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DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

## State of New Mexico Energy, Minerals and Natural Resources Department

Form C-105 Revised 1-1-89

WELL API NO.

## **OIL CONSERVATION DIVISION**

| P.O. Box 1980, Hobbs, NM 88240  OIL CONSERVATION DIVISION |                                 |   |              |  |                      |               |              | IA                             | 30-025-34952                |                                     |                           |                                      |              |                    |                                       |  |
|---|---------------------------------|---|--------------|--|----------------------|---------------|--------------|--------------------------------|-----------------------------|-------------------------------------|---------------------------|--------------------------------------|--------------|--------------------|---------------------------------------|--|
| DISTRICT II<br>P.O. Drawer DD, Artesia, NM 88210          |                                 |   |              | 2040 Pacheco St.<br>Santa Fe, NM 87505       |                      |               |              |                                |                             | 5. Indicate Type of Lease STATE FEE |                           |                                      |              |                    |                                       |  |
| DISTRICT III<br>1000 Rio Brazos Rd, A                     | ztec, NM 874                    | 110   |              |  |                      | . •           |              | ,                              |                             | 6. S                                | tate Oil & G              | as Lease                             | No.          |                    | · · · · · · · · · · · · · · · · · · · |  |
| WELL CO   | OMPLETI                         | ON OF   | REC          | OMPLET                                       | ION REP              | PORT A        | ND LO        | OG .                           |                             |                                     | 4                         |                                      |              |                    | <b>1</b>                              |  |
| 1a. Type of Well:<br>OIL WELL                             |                                 | AS WELL                                       |              | DRY  | OTHER _              |               |              |                                |                             | 7. Le                               | ease Name o               | r Unit Agree                         | ement Nam    | е                  |                                       |  |
| b. Type of Completion:  NEW WORK WELL WORK                |                                 | EN  | PLUG         | : DI   | IFF<br>ESVR 0        |               |              |                                |                             | G. (                                | G. Travis                 |                                      |              |                    |                                       |  |
| 2. Name of Operator<br>Arch Petroleum In                  | C.                              |   |              |  |                      |               |              |                                |                             | 8. W                                | ell No.                   |                                      |              |                    |                                       |  |
| Address of Operator                                       |                                 |   |              |  |                      |               |              |                                |                             | _                                   | ool name or V             | Vildcat                              |              |                    |                                       |  |
| P. O. Box 10340,  | Midland, T                      | X 7970  | 2-734        | 0  |                      |               |              |                                |                             | Tea                                 | ague Pado                 | lock Bline                           | ebry         |                    | •                                     |  |
| 4. Well Location  |                                 |   |              |  |                      |               |              |                                |                             |                                     |                           |                                      |              |                    |                                       |  |
| Unit Letter   | <u> </u>                        | 1800  | Fee          | et From The _                                | So                   | outh          | L            | ine and _                      | 330                         | 0                                   | Feet Fr                   | om The                               | Ea           | st                 | Line                                  |  |
| Section   | 21                              |   | Tow          | ·  | 238                  | Range         | ;            | 37E                            |                             | IMPM                                |                           |                                      | Lea          | l                  | County                                |  |
| 10. Date Spudded 03/23/00                                 | · •                             |   |              | 12. Date Compl. (Ready to Prod.)<br>04/22/00 |                      |               |              | 13. Elevations <i>(DF</i> 3296 |                             |                                     | KB, RT, GR,               | 14. Elev. Casinghead 3297            |              |                    |                                       |  |
| 15. Total Depth<br>6000                                   | . Total Depth 16. Plug Back T.D |   |              | 17. If Multiple Compl. I<br>Many Zones?      |                      |               | low          |                                | 18. Intervals<br>Drilled By |                                     | Rotary Tools              |                                      | Cable To     | ools               |                                       |  |
| 19. Producing Interval(s<br>Blinebry 5650'-70             | •                               | •   | op, Bot      | tom, Name                                    |                      |               |              |                                |                             |                                     | 2                         | 0. Was Di                            | rectional No | Survey             | Made                                  |  |
| 21. Type Electric and Of                                  |                                 |   |              |  | ··· <u>-</u>         |               |              | <del></del>                    | ·····                       | 12                                  | 22. Was Well              | Cored                                |              |                    |                                       |  |
| . ,, = 2.55 0 0   |                                 |   |              |  |                      |               |              |                                |                             |                                     |                           |                                      | Yes          |                    |                                       |  |
| 23.   |                                 |   | CA           | SING RE                                      | CORD                 | (Repo         | rt all       | strings                        | s set i                     | n we                                | ell)                      |                                      |              |                    |                                       |  |
| CASING SIZE   | WE                              | GHT LB  | /FT.         |  | H SET                | Н             | DLE SI       |                                | <del></del>                 |                                     | ENTING RE                 |                                      | AN           | TNUO               | PULLED                                |  |
| 8-5/8   |                                 | 24#   |              | 1100   |                      |               |              |                                |                             |                                     | sks - circ 1<br>sks - TOC |                                      |              |                    |                                       |  |
| 5-1/2   |                                 | 15.50#  |              | 1  | J00                  | <u> </u>      | 1-110        | )                              | 1,                          | 300 8                               | sks - 100                 | <u>@ / 15</u>                        |              |                    |                                       |  |
|   |                                 |   |              |  |                      |               |              |                                |                             |                                     |                           |                                      |              |                    |                                       |  |
|   |                                 |   | 1.161        | ED DECC                                      | DD                   | <u> </u>      |              |                                | <u> </u>                    |                                     | T                         | DINO DI                              |              |                    |                                       |  |
|   |                                 |   |              | INER RECORD  BOTTOM SACKS CEMENT             |                      |               |              | SCREEN 2                       |                             |                                     | 25. TUBING R<br>SIZE DEPT |                                      |              | H SET PACKER SET   |                                       |  |
| SIZE  | SIZE TOP                        |   |              | BOTTOM SACKS CEM                             |                      |               | SCREEN       |                                |                             |                                     |                           |                                      | 39           | FAC                | NEN SET                               |  |
|   |                                 |   |              |  |                      |               |              |                                |                             | ,                                   |                           |                                      |              |                    |                                       |  |
| 26. Perforation record                                    | d (interval, s                  | size, and                                     | numbe        | er)  |                      |               | 27.          | ACID, S                        | нот,                        | FRA                                 | ACTURE,                   | CEMEN                                | IT, SQL      | JEEZE              | E, ETC.                               |  |
| 5650'-70' (2 SPF)   | )                               |   |              |  |                      |               | DE           | PTH INTE                       |                             |                                     | AMOUNT                    |                                      |              |                    |                                       |  |
| 5354'-74' (2 SPF  | 5                               |   |              |  |                      |               | -            | 5650-<br>5354-                 |                             | $\dashv$                            | Acdz w/ 1000              | -                                    |              |                    |                                       |  |
|   |                                 |   |              |  |                      |               | $\vdash$     | 0004                           | -                           |                                     | Acdz w/ 1000              | gais 15% H                           | CL, Frac W/  | 94,000#            | 16/30 Ottawa                          |  |
| 28.   |                                 |   | <del> </del> |  | PRODU                | JCTIO         | N            |                                |                             |                                     |                           |                                      |              | -                  |                                       |  |
| Date First Production<br>04/23/00                         |                                 | Pum   |              | tion Method (F                               |                      |               |              | and type p                     | oump)                       |                                     |                           | Well S                               | Status (Pro  | od. or S<br>ducing |                                       |  |
| Date of Test<br>05/02/00                                  | Hours T                         | rurs Tested Choke Size Prod'n For Test Period |              | Oil - BbL. Gas - 1                           |                      |               | - MCF<br>182 |                                |                             | Gas - Oil Ratio<br>3138;1           |                           |                                      |              |                    |                                       |  |
| Flow Tubing Press. Casing Pressure Calculated             |                                 |   |              | Calculated 24-<br>Hour Rate                  | - Oil - BbL.<br>  58 |               |              | Gas - MCF Wa                   |                             | Vater - BbL. Oil Gr<br>99           |                           | avity - API - <i>(Corr.)</i><br>36.6 |              |                    |                                       |  |
| 29. Disposition of Gas (                                  | (Sold, used fo                  | or fuel, ve                                   | nted, etc    | c.)  |                      |               |              |                                |                             |                                     | 1                         | inessed By<br>us Robins              |              |                    |                                       |  |
| 30. List Attachments                                      | Douglation C                    | · · · · · ·                                   |              |  |                      | <del></del> - |              |                                |                             |                                     | 1 2                       |                                      |              |                    |                                       |  |
| C-104, Sundry, E  |                                 |   | on half      | sides of this                                | form is true =       | and comple    | to to the    | host of                        | w knowle                    | ndan n                              | and heliaf                |                                      |              |                    |                                       |  |
|   |                                 |   |              |  | ionn is uue a        | та сопіріе    | is to the    | s seat of M                    | y Kilowie                   | uye a                               | nio Dellei                |                                      |              |                    | 5                                     |  |
| Signature   | thy                             | mbe   | L            | -  | Printed (            | Cathy To      | mberl        | in                             |                             | Title                               | Operation                 | n Tech                               | Da           | <sub>ite</sub> 05  | 5/02/00                               |  |

## **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 specific 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 25 through 29 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

| South   | eastern New N       | lexico             | Northwestern New Mexico  |                    |  |  |  |  |  |
|---|---------------------|--------------------|--------------------------|--------------------|--|--|--|--|--|
| T Anh.  | 1020 0 T Canyo      | ъ Т                | . Ojo Alamo              | T. Penn. "B"       |  |  |  |  |  |
| T. Salt   | _1133.0_T_Strawn    |                    | . Kirtiang-Fruitiang     | . Pelili. C        |  |  |  |  |  |
| B. Salt   | 2348.0 T Atoka      | T                  | . Pictured Cliffs        | . Penn. "D"        |  |  |  |  |  |
| T Votos   | 2501.0 T Miss       | T                  | Cliff House              | i. Leadville       |  |  |  |  |  |
| T 7 Rivers  | 2778.0 T Devon      | an T               | . Menefee                | l. Madison         |  |  |  |  |  |
| T Ougan   | 3002.0 T Silurian   | 1 T                | Point Lookout            | I. ΕΙΒΕΠ           |  |  |  |  |  |
| T Grayburg  | 3534.0 T Monto      | ıa T               | ī. Mancos ī              | Г. McCracken       |  |  |  |  |  |
| Can Androc  | - 3778 U. L. SIMBSI | 1/1 1              | . Gallub                 | i . Igriadio Otzto |  |  |  |  |  |
| T Glorieta  | 4926.0 T McKee      | · E                | Base Greenhorn           | i. Granite         |  |  |  |  |  |
| T. Paddock  | 4986.0 T. Ellenbi   | urger l            | . Dakota                 | l                  |  |  |  |  |  |
| T Blinebry  | 5270.0 T. Gr. Wa    | ısh ヿ              | 「. Morrison              |                    |  |  |  |  |  |
| T Tubb  | 5924.0 T Delawa     | are Sand           | Г. Todilto               | l.                 |  |  |  |  |  |
| T Drinkard  | T Rone 9            | Springs            | ſ. Entrada               |                    |  |  |  |  |  |
| T Aho   | Τ.                  |                    | . Wingate                | l                  |  |  |  |  |  |
| T Wolfcamp  | Τ.                  | <del>-</del>       | Γ. Chinle                | T                  |  |  |  |  |  |
| T Penn  | Т                   |                    | Γ. Permain               | l                  |  |  |  |  |  |
| T. Cisco (Bough C)                                      | T                   | -                  | Г. Penn. "A"             | Т                  |  |  |  |  |  |
| , -   |                     | IL OR GAS SAN      |                          |                    |  |  |  |  |  |
| No. 1, from 5308  | to 5725             |                    | No. 3, from              | to                 |  |  |  |  |  |
| No. 2, from 5118  | to 5202             |                    | No. 4, from              | to                 |  |  |  |  |  |
|   |                     | IMPORTANT W        | ATER SANDS               |                    |  |  |  |  |  |
| Include data on rat                                     | e of water inflow   | and elevation to w | hich water rose in hole. |                    |  |  |  |  |  |
| No. 1, from   | to                  | )                  | feet                     |                    |  |  |  |  |  |
| No. 2. from   | to                  | )                  | feet                     |                    |  |  |  |  |  |
| No. 3, from   | to                  | o                  | feet                     |                    |  |  |  |  |  |
| LITHOLOGY RECORD (Attach additional sheet if necessary) |                     |                    |                          |                    |  |  |  |  |  |

| From   | То     | Thickness<br>in Feet | Lithology         | Fr   | om | То | Thickness<br>in Feet | Lithology |
|--------|--------|----------------------|-------------------|------|----|----|----------------------|-----------|
| 0.0    | 1020.0 |                      | gravel, red bed   |      |    |    |                      |           |
| 1020.0 | 1130.0 |                      | anhydrite         |      |    |    |                      |           |
| 1130.0 | 2348.0 |                      | salt, anhy, shale |      |    |    |                      |           |
| 2501.0 | 2778.0 |                      | sand, anhy, sh    |      |    |    |                      |           |
| 2778.0 | 3002.0 |                      | sand, anhy, dol   |      |    |    |                      |           |
| 3002.0 | 4926.0 |                      | dol, anhy         |      |    |    |                      |           |
| 4926.0 | 5924.0 |                      | dol, anhy         |      |    |    |                      |           |
|        |        |                      |                   |      |    |    |                      |           |
|        |        |                      |                   | - [] |    |    |                      |           |
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|        |        |                      |                   |      |    |    |                      | Leo/      |
| 4      |        |                      |                   |      |    |    |                      | Apple Of  |
|        |        | }                    |                   |      | 4  |    |                      | 100       |
|        |        |                      |                   |      | 7  |    |                      |           |