

UNITED STATES

SUBMIT IN DUPLICATE

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                               |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------|-------|
| 1a. TYPE OF WELL:                                                                                                                                                                             |  | OIL WELL <input type="checkbox"/>                                                   | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/>                                        | Other                              |                                                             |       |
| b. TYPE OF COMPLETION:                                                                                                                                                                        |  | NEW WELL <input checked="" type="checkbox"/>                                        | WORK OVER <input type="checkbox"/>           | DEEP-EN <input type="checkbox"/>                                    | PLUG BACK <input type="checkbox"/> | DIFF. RESVR. <input type="checkbox"/>                       | Other |
| 2. NAME OF OPERATOR<br>JEROME P. McHUGH                                                                                                                                                       |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 809, Farmington, N.M.                                                                                                                                      |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State well regulations)<br>At surface 1850' FNL - 1190' FWL<br>At top prod. interval reported below<br>At total depth |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
| 14. PERMIT NO.<br>5-26-88-TA                                                                                                                                                                  |  |                                                                                     |                                              | DATE ISSUED<br>9/18/87                                              |                                    |                                                             |       |
| 15. DATE SPUDDED<br>9/30/87                                                                                                                                                                   |  | 16. DATE T.D. REACHED<br>10/16/87                                                   |                                              | 17. DATE COMPL. (Ready to prod.)<br>NA - Plan to TA                 |                                    | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>6357'GL; 6369'KB |       |
| 19. ELEV. CASINGHEAD<br>6357'GL; 6369'KB                                                                                                                                                      |  | 20. TOTAL DEPTH, MD & TVD<br>8160'                                                  |                                              | 21. PLUG, BACK T.D., MD & TVD<br>8105'                              |                                    | 22. IF MULTIPLE COMPL., HOW MANY*<br>N/A                    |       |
| 23. INTERVALS DRILLED BY<br>→                                                                                                                                                                 |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>NA |                                              | 25. WAS DIRECTIONAL SURVEY MADE<br>No                               |                                    | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>GR-CCL IES-CDL      |       |
| 27. WAS WELL CORED<br>No                                                                                                                                                                      |  | 28. CASING RECORD (Report all strings set in well)                                  |                                              |                                                                     |                                    |                                                             |       |
| Casing Size                                                                                                                                                                                   |  | Weight, lb./ft.                                                                     |                                              | Depth Set (MD)                                                      |                                    | Hole Size                                                   |       |
| 9-5/8"                                                                                                                                                                                        |  | 36#                                                                                 |                                              | 359'                                                                |                                    | 12-1/4"                                                     |       |
| 5-1/2"                                                                                                                                                                                        |  | 17# & 15.5#                                                                         |                                              | 8155'                                                               |                                    | 7-7/8"                                                      |       |
| Cementing Record                                                                                                                                                                              |  | Amount Pulled                                                                       |                                              |                                                                     |                                    |                                                             |       |
| 158 sx class B w/3% CaCl (190 cu.ft.)                                                                                                                                                         |  | -----                                                                               |                                              |                                                                     |                                    |                                                             |       |
| Total of 3147 cu.ft. in 3 stages: See attached                                                                                                                                                |  | -----                                                                               |                                              |                                                                     |                                    |                                                             |       |
| 29. LINER RECORD                                                                                                                                                                              |  |                                                                                     |                                              | 30. TUBING RECORD                                                   |                                    |                                                             |       |
| Size                                                                                                                                                                                          |  | Top (MD)                                                                            |                                              | Bottom (MD)                                                         |                                    | Sacks Cement*                                               |       |
| N/A                                                                                                                                                                                           |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
| Screen (MD)                                                                                                                                                                                   |  | Size                                                                                |                                              | Depth Set (MD)                                                      |                                    | Packer Set (MD)                                             |       |
|                                                                                                                                                                                               |  | 2-7/8"                                                                              |                                              | 8005'                                                               |                                    | 8062'                                                       |       |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                            |  |                                                                                     |                                              | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                      |                                    |                                                             |       |
| 8009' to 8022'<br>8078' to 8074'<br>8085' to 8092'<br>1 shot per ft. - total of 26 holes                                                                                                      |  |                                                                                     |                                              | Depth Interval (MD)                                                 |                                    |                                                             |       |
|                                                                                                                                                                                               |  |                                                                                     |                                              | Amount and Kind of Material Used                                    |                                    |                                                             |       |
|                                                                                                                                                                                               |  |                                                                                     |                                              | 8009' - 8022' 500 gal of 15% HCL Acid                               |                                    |                                                             |       |
|                                                                                                                                                                                               |  |                                                                                     |                                              | 8078' - 8092' 500 gal of 15% HCL Acid                               |                                    |                                                             |       |
|                                                                                                                                                                                               |  |                                                                                     |                                              | 8009' - 8092' 90,000# of 20/40 Sand & 2,299 bbls. of cross-link gel |                                    |                                                             |       |
| 33. PRODUCTION 8009-8022' 500 gal. HCLHF Acid                                                                                                                                                 |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
| Date First Production                                                                                                                                                                         |  | Production Method (Flowing, gas lift, pumping—size and type of pump)                |                                              |                                                                     |                                    | Well Status (Producing or shut-in)                          |       |
| NA                                                                                                                                                                                            |  | Swab - Unable to test due to formation water entry.                                 |                                              |                                                                     |                                    | SI                                                          |       |
| Date of Test                                                                                                                                                                                  |  | Hours Tested                                                                        |                                              | Choke Size                                                          |                                    | Prod'n. for Test Period                                     |       |
| 5-26-88                                                                                                                                                                                       |  |                                                                                     |                                              |                                                                     |                                    |                                                             |       |
| Flow, Tubing Press.                                                                                                                                                                           |  | Casing Pressure                                                                     |                                              | Calculated 24-Hour Rate                                             |                                    | Oil—BBL. Gas—MCF. Water—BBL. Gas-Oil Ratio                  |       |
|                                                                                                                                                                                               |  |                                                                                     |                                              |                                                                     |                                    | 100+ BWPD                                                   |       |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)                                                                                                                                    |  |                                                                                     |                                              |                                                                     |                                    | TEST WITNESSED BY<br>J. Hazen                               |       |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                       |  |                                                                                     |                                              |                                                                     |                                    | ACCEPTED FOR RECORD                                         |       |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED James S. Hazen TITLE Field Supt. DATE 6/23/88

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries): |     |        |                             |  | 38. GEOLOGIC MARKERS                                                                                                                                           |                                                                                                                   |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|
| FORMATION                                                                                                                                                                                                                                           | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |  | NAME                                                                                                                                                           | MEAS. DEPTH                                                                                                       | TOP<br>TRUE<br>VERT. DEPTH |
|                                                                                                                                                                                                                                                     |     |        |                             |  | Ojo Alamo<br>Kirtland<br>Fruitland<br>Pictured Cliffs<br>Lewis<br>Cliff House<br>Menefee<br>Pt. Lookout<br>Mancos<br>Gallup<br>Greenhorn<br>Graneros<br>Dakota | 2414'<br>2601'<br>2993'<br>3152'<br>3609'<br>5390'<br>5482'<br>5658'<br>5816'<br>6708'<br>7710'<br>7750'<br>7873' |                            |