

New Mexico  
Institute of Mining and Technology  
STATE BUREAU OF MINES AND MINERAL RESOURCES  
Socorro, New Mexico

CASING RECORD  
Diam. in/Bottom  
10 1914

ELEVATION: 4442

IP: 5,000,000

CO<sub>2</sub> 460 lbs. pressure

COUNTY: Harding

FIELD: Bueyeros

COMPANY:

LEASE: Carbonic Chemicals Corp.

LOCATION: 920 from S Line

920 from W Line

SEC: 20 T. 19N R. 30E

COMMENCED: 11-7-38

COMPLETED: 12-4-38

REMARKS: Carbon Dioxide Well

| FORMATION                        | BOTTOM, FEET | FORMATION                           | BOTTOM, FEET |
|----------------------------------|--------------|-------------------------------------|--------------|
| Surface                          | 100          | Broken sand                         | 755          |
| Shale and red rock               | 110          |                                     | 760          |
| Hard sandy lime gray             | 130          | shale and red rock and lime         | 800          |
| Red sand hard                    | 135          | Real sandy and shale GAS            | 813          |
| Red sand hard                    | 150          | Real sandy & shale & red rock       | 838          |
| Sandy lime                       | 161          | Broken sand and shale               | 865          |
| Hard sand                        | 191          | Sandy lime and chat                 | 905          |
| Sandy lime                       | 195          | Hard lime gray                      | 964          |
| Red and green shale              | 200          | Red rock                            | 970          |
| Shale                            | 205          | Red rock and chert                  | 990          |
| Broken sand and shale            | 220          | Lime and shale                      | 1025         |
| Green shale and red bed          | 225          | Green shale and red rock            | 1048         |
| Blue shale                       | 235          | Red and green shale                 | 1080         |
| Sandy shale                      | 250          | Red and green and sand              | 1095         |
| Shale and red bed                | 265          | Red and green shale                 | 1105         |
| Sandy lime and shale             | 275          | Green red shale                     | 1110         |
| Red rock                         | 290          | Lime gray                           | 1132         |
| Sandy red rock                   | 305          | Black lime and dolomite             | 1141         |
| Sandy lime                       | 320          | Anhydrite gyp                       | 1190         |
| Black lime                       | 341          | Lime                                | 1216         |
| Broken lime and sand             | 355          | Show of gas                         | 1218         |
| Sandy shale                      | 360          | Shale and lime                      | 1228         |
| Brown shale                      | 378          | Shale green and red                 | 1240         |
| Lime                             | 390          | Lime, shale and chert               | 1265         |
| Lime                             | 400          | White and gray lime                 | 1295         |
| Red rock                         | 436          | Gray lime and broken lime           | 1315         |
| Green shale and sand             | 450          | Lime brown                          | 1350         |
| Sand lime hard                   | 510          | Shale green                         | 1365         |
| Sandy lime                       | 515          | Lime gray                           | 1380         |
| First noticed gas in green shale |              | Gray lime, some green and red shale | 1405         |
| and some red rock                | 518          | Blue lime and chert                 | 1415         |
| More red rock                    | 525          | Lime, shale and chert               | 1445         |
| Lime hard                        | 560          | Hard lime with green shale breaks   | 1450         |
| Green shale and red rock         | 587          | Hard lime and shale                 | 1462         |
| Green shale                      | 613          | Chat                                | 1468         |
| Sandy lime                       | 643          | Lime white hard                     | 1488         |
| Lime sandy and some green shale  | 663          | Hard lime                           | 1515         |
| Green shale and red bed          | 694          | Shale green and red                 | 1520         |
| Green shale and red bed          | 709          | Lime and chert                      | 1530         |
| Broken lime                      | 720          | Hard sandy lime and some shale      | 1559         |
| Broken sand & pyrites of Iron    | 745          | Lime few shale breaks               | 1595         |
| Green shale                      | 750          | Lime and shale breaks               | 1600         |
|                                  |              | Some red rock showing up            | 1608         |

| FORMATION                                     | BOTTOM, FEET |
|-----------------------------------------------|--------------|
| Lime white                                    | 1618         |
| Little red sand & red rock                    | 1665         |
| Red and sandy hard show gas                   | 1673 1698    |
| Red rock and shale                            | 1715         |
| Shale green and red                           | 1725         |
| Red shale                                     | 1730         |
| Red sandy shale hard show gas                 | 1750         |
| Red shale lime shells                         | 1755         |
| Red sand and lime shells                      | 1770         |
| Red sand and lime shells and some green shale | 1809         |
| Shale blue & red some lime shells             | 1840         |
| Red and blue shale and some shells            | 1865         |
| Shale red & green                             | 1870         |
| Red sandy shale hard                          | 1885         |
| Lime white hard                               | 1895         |
| Sandy red rock and lime shells                | 1916         |
| Red sand & green shale some lime              | 1995         |
| Some lime showing up                          | 2000         |
| Red shale & hard lime shells                  | 2049         |
| Granite wash                                  | 2069         |
| Granite wash                                  | 2073         |
| Granite wash and green shale                  | 2081         |
| Granite                                       | 2088 T.D.    |

Note: Oil Conservation Commission,  
Santa Fe, New Mexico, 7-27-44. Completed in  
Third Zone (Permian or Upper Permian).  
Test made 7-3-39. Surface Pressure 335.  
Water in Hole 2,337,000.