

|                                 |                            |           |                                                              |                                     |
|---------------------------------|----------------------------|-----------|--------------------------------------------------------------|-------------------------------------|
| STATE<br><b>N.M.</b>            | COUNTY<br><b>San</b>       | ELEVATION | DESC. BY<br><b>VILAS P. SHELDON,<br/>ARTESIA, NEW MEXICO</b> | COM. Y<br><b>Casper Drilling Co</b> |
| KIND OF SAMPLES<br><b>Rocky</b> | LOCATION<br><b>C NW NE</b> | <b>N</b>  | <b>T 22</b>                                                  | <b>R 35</b>                         |
|                                 |                            |           | FARM<br><b>Randel 560</b>                                    | WELL NO.<br><b>2</b>                |

| DEPTH   | DOLO |   | LIME                | SALT | ANHY | SHALE |      |      |     | SAND |      |             | CHT | NOTES |
|---------|------|---|---------------------|------|------|-------|------|------|-----|------|------|-------------|-----|-------|
|         | %    | % | DESCRIPTION         | %    | %    | RED   | GRY. | GRN. | BLK | RED  | GRY. | DESCRIPTION | %   |       |
| 3700-0  |      |   |                     | 100  |      |       |      |      |     |      |      |             |     |       |
| 3700-10 |      |   |                     | 90   | 10   |       |      |      |     |      |      |             |     |       |
| 3700-20 |      |   |                     | 100  |      |       |      |      |     |      |      |             |     |       |
| 3700-30 | 10   |   | tan granular        |      | 90   |       |      |      |     |      |      |             |     |       |
| 3700-40 | 20   |   | " "                 |      | 10   |       |      |      |     |      |      |             |     |       |
| 3700-50 | 30   |   | tan granular porous |      | 30   |       |      |      |     |      |      |             |     |       |
| 3700-60 | 20   |   | " "                 |      | 20   |       |      |      |     |      |      |             |     |       |
| 3700-70 | 10   |   | tan " "             |      | 20   |       |      |      |     |      |      |             |     |       |
| 3700-80 | 20   |   | tan aridation       |      | 10   |       |      |      |     |      |      |             |     |       |
| 3700-90 | 100  |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3701-0  | 60   |   | " "                 |      | 40   |       |      |      |     |      |      |             |     |       |
| 3701-10 | 90   |   | " " granular        |      | 10   |       |      |      |     |      |      |             |     |       |
| 3701-20 | 100  |   | tan mix.            |      |      |       |      |      |     |      |      |             |     |       |
| 3701-30 | 100  |   | buff mix.           |      |      |       |      |      |     |      |      |             |     |       |
| 3701-40 | 78   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3701-50 | 85   |   | " "                 |      | 10   |       |      |      |     |      |      |             |     |       |
| 3701-60 | 70   |   | " "                 |      | 10   |       |      |      |     |      |      |             |     |       |
| 3701-70 | 70   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3701-80 | 60   |   | tan " "             |      |      |       |      |      |     |      |      |             |     |       |
| 3701-90 | 100  |   | buff " "            |      |      |       |      |      |     |      |      |             |     |       |
| 3702-0  | 30   |   | " sandy             |      |      |       |      |      |     |      |      |             |     |       |
| 3702-10 | 80   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3702-20 | 60   |   | buff " "            |      |      |       |      |      |     |      |      |             |     |       |
| 3702-30 | 75   |   | caliche f.          |      |      |       |      |      |     |      |      |             |     |       |
| 3702-40 | 95   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3702-50 | 100  |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3702-60 | 95   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3702-70 | 60   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3702-80 | 75   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3702-90 | 95   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3703-0  | 85   |   | " "                 |      |      |       |      |      |     |      |      |             |     |       |
| 3703-10 | 100  |   | whitish.            |      |      |       |      |      |     |      |      |             |     |       |

