

| STATE           |                  | COUNTY                                     |     | ELEVATION      |      | COMPANY         |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
|-----------------|------------------|--------------------------------------------|-----|----------------|------|-----------------|------------|-----------|-------|------|------|-----|------|-----|-------|------|------|------|-----------|----------------------|
| New Mexico      |                  | Lea                                        |     |                |      | Barn-y Cockburn |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| KIND OF SAMPLES |                  | LOCATION                                   |     | FARM           |      | WELL NO.        |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
|                 |                  | 1650 N + E Lines<br>Sec. 32 - T17-S - R33E |     | Cockburn-state |      | 5               |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| DEPTH           | LIME OR DOLOMITE |                                            |     |                |      | ANH.<br>%       | SALT.<br>% | POT.<br>% | SHALE |      |      |     | SAND |     |       |      | BENT |      | GHT.<br>% | NOTES                |
|                 | %                | COL.                                       | TEX | POR            | SAT. |                 |            |           | GRAY  | BLK. | GRN. | RED | GRAY | RED | LITH. | SAT. | %    | COL. |           |                      |
| 3545-60         | 10               | LB                                         |     |                |      | 90              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 75              | T                | B                                          |     |                |      | 90              |            |           | 10    |      |      |     |      |     |       |      |      |      |           |                      |
| 90              | 20               | LB                                         |     |                |      | 80              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 3605            | 60               | ✓                                          |     |                |      | 40              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 20              | 30               | ✓                                          |     |                |      | 70              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 35              | 40               | ✓                                          |     |                |      | 60              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 50              | 20               | ✓                                          |     |                |      | 80              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 65              | 25               | ✓                                          |     |                |      | 75              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 80              | 10               | ✓                                          |     |                |      | 50              |            |           |       |      |      |     |      | 40  |       |      |      |      |           | Red Sand             |
| 95              | 25               | ✓                                          |     |                |      | 45              |            |           |       |      |      |     |      | 30  |       |      |      |      |           |                      |
| 3710            | 50               | LB                                         |     |                |      | 40              |            |           |       |      |      |     |      | 10  |       |      |      |      |           |                      |
| 25              | 65               | LB                                         |     |                |      | 35              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 40              | 40               | ✓                                          |     |                |      | 60              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 55              | 30               | ✓                                          |     |                |      | 70              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 70              | 20               | ✓                                          |     |                |      | 50              |            |           | 10    |      |      | 20  |      |     |       |      |      |      |           |                      |
| 85              | 35               | ✓                                          |     |                |      | 65              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 3800            | 40               | LB                                         |     |                |      | 60              |            |           | T     |      |      |     |      |     |       |      |      |      |           |                      |
| 15              | 70               | ✓                                          |     |                |      | 30              |            |           |       |      |      |     |      |     |       |      |      |      |           |                      |
| 30              | 40               | ✓                                          |     |                |      | 40              |            |           |       |      |      | 20  |      |     |       |      |      |      |           |                      |
| 45              | 80               | LB                                         |     |                |      | 15              |            |           |       |      |      |     |      | 5   |       |      |      |      |           |                      |
| 60              | 10               | ✓                                          |     |                |      | 30              |            |           |       |      |      |     |      | 60  |       |      |      |      |           |                      |
| 75              | 30               | ✓                                          |     |                |      | 60              |            |           |       |      |      |     |      | 10  |       |      |      |      |           |                      |
| 90              | 80               | ✓                                          |     |                |      | 20              |            |           | T     |      |      |     |      |     |       |      |      |      |           | Edy dolo.            |
| 3905            | 65               | LB                                         |     |                |      | 25              |            |           |       |      |      |     |      | T   |       |      |      |      |           |                      |
| 3912-22         | 10               | R                                          |     |                |      | 80              |            |           |       |      |      |     |      | 10  |       |      |      |      |           |                      |
| 36              |                  |                                            |     |                |      | 60              |            |           |       |      |      |     |      | 40  |       |      |      |      |           |                      |
| 45              | 100              | LB                                         | X   |                |      | T               | T          |           |       |      |      |     |      |     |       |      | T    | R    |           |                      |
| 56              | 10               | B                                          |     |                |      | 60              |            |           |       |      |      |     |      | 30  |       |      |      |      |           |                      |
| 67              | 55               | LB                                         |     |                |      |                 |            |           |       |      |      |     |      | 20  |       |      | 5    | R    |           |                      |
| 77              | 40               | T                                          |     |                |      | T               |            |           |       |      |      |     |      | 5   | 5     |      | 15   | R    |           |                      |
| 86              | 70               | LB                                         |     |                |      | T               | T          |           |       |      |      |     |      | 20  |       |      | 10   | ✓    |           | Edy dolo.<br>Dolites |
| 97              | 75               | LB                                         |     |                |      |                 |            |           |       |      |      |     |      | 10  |       |      | 15   | ✓    |           | 5th Dol. Dol         |
| 4005            |                  |                                            |     |                |      | 40              |            |           |       |      |      |     |      | 60  |       |      |      |      |           |                      |
| 15              | 40               | LB                                         | X   |                |      | 30              |            |           |       |      |      |     |      | 10  | 10    |      | 10   | B    |           |                      |
| 29              | 65               | T                                          | ✓   |                |      | 10              |            |           |       |      |      |     |      | 15  |       |      | 10   | ✓    |           |                      |
| 40              | 60               | ✓                                          | ✓   |                |      |                 |            |           |       |      |      |     |      | 10  |       |      | 30   | LB   |           |                      |
| 55              | ✓                | ✓                                          |     |                |      | T               |            |           |       |      |      |     |      | T   |       |      | 15   | ✓    |           |                      |

