

WELL NO. 5 LEASE Gallegos Canyon Unit  
 OPERATOR Benson & Montin

## SAMPLE DESCRIPTION

| REMARKS                                                       | LIME<br>OR DOL | SHALE   | ANH | SAND   | CHERT | OTHER               | PORO | STAIN | FLUOR | FROM | TO   |
|---------------------------------------------------------------|----------------|---------|-----|--------|-------|---------------------|------|-------|-------|------|------|
| Shale blue gr <sup>y</sup> tr. brn.                           |                | 100 (g) |     | tr     |       |                     |      |       |       | 1000 | 1010 |
| " " " " "                                                     |                | "       |     | "      |       |                     |      |       |       |      | 20   |
| " " " " "                                                     |                | "       |     | "      |       | tr coal             |      |       |       |      | 30   |
| " " " " "                                                     |                | "       |     | "      | "     | "                   |      |       |       |      | 40   |
| " " " " "                                                     |                | "       |     | "      | "     | "                   |      |       |       |      | 50   |
| " " " " "                                                     |                | "       |     | "      | "     | "                   |      |       |       |      | 60   |
| " " " " "                                                     |                | "       |     | "      | "     | "                   |      |       |       |      | 70   |
| " Sand: G & brn shaly &<br>carbonaceous; tr dead<br>oil stain |                | 60 (g)  |     | 40     | "     | "                   |      |       |       |      | 80   |
| " " " " " " "                                                 |                | 80 (g)  |     | 20     | "     | "                   |      |       |       |      | 90   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       | 1100 | 1100 |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       | 1100 | 1110 |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 20   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 30   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 40   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 50   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 60   |
| " Sand - gray with coal<br>specks & brn. shaly carb.<br>sand  |                | 50      |     | 50     | "     | "                   |      |       |       |      | 70   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 80   |
| Shale: brn & g (sandy)                                        |                | 80      |     | 20     | "     | "                   |      |       |       |      | 90   |
| " " " " " "                                                   |                | "       |     | "      | "     | "                   |      |       |       | 1200 | 1200 |
| " " " " " "                                                   |                | "       |     | "      | "     | "                   |      |       |       | 1200 | 1210 |
| Shale: g 7 tr brn sandy sh<br>100% cavings                    |                | 100     |     | tr     | "     | "                   |      |       |       |      | 20   |
| "                                                             |                |         |     |        |       |                     |      |       |       |      | 30   |
| "                                                             |                |         |     |        |       |                     |      |       |       |      | 40   |
| Shale: g & tr brn sandy sh                                    |                | 80      |     | 20     | "     | "                   |      |       |       |      | 50   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 60   |
| Sand: hard blue-gray with<br>specks of coal                   |                | 20      |     | 80     | "     | "                   |      |       |       |      | 70   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   |      |       |       |      | 80   |
| Shale: gray & dk brn sandy                                    |                | 80      |     | 20     | "     | "                   |      |       |       |      | 90   |
| " " " " " " &<br>blk. carbonaceous                            |                | 100     |     | tr     | "     | "                   |      |       |       |      | 1300 |
| " " " " " " "                                                 |                | 50      |     | "      | 50    | coal (bleeding gas) |      |       |       | 1300 | 06   |
| " " " " " " "                                                 |                | 70      |     | "      | 30    | coal ( " " )        |      |       |       |      | 10   |
| " " " " " " "                                                 |                | "       |     | "      | "     | " ( " " )           |      |       |       |      | 15   |
| Sand: hard dark gray (shaly)                                  |                | 80      |     | 50     | 20    | "                   | "    | "     | "     |      | 20   |
| " " " " " " "                                                 |                | "       |     | "      | "     | "                   | "    | "     | "     |      | 23   |
| Strapped drill pipe out of hole                               |                |         |     |        |       |                     |      |       |       |      |      |
| Corrected T.D. 1333 instead of 1323                           |                |         |     |        |       |                     |      |       |       |      |      |
| Drilled 6" pilot hole from 1333-36                            |                |         |     |        |       |                     |      |       |       |      |      |
| Blue gray shale                                               |                | 100     |     | tr (g) |       |                     |      |       |       | 1333 | 1336 |

brn—Brown  
 blk—Black  
 a—Grev

r—Red  
 gr—Green  
 ...

SAMPLE DESCRIPTION

M

WELL NO. 1 LEASE DELCO Canyon Unit  
 OPERATOR Horizon & North

SAMPLE DESCRIPTION

| TO   | FROM | FLUC | STAIN | OTHER | CHTR | SAND | ANM | SHALE   | TIME | REMARKS                  |
|------|------|------|-------|-------|------|------|-----|---------|------|--------------------------|
| 1010 | 1000 |      |       |       |      | tr   |     | 100 (a) |      | Shale blue gray tr. brn. |
| 1020 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1030 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1040 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1050 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1060 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1070 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1080 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1090 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1100 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1110 | 1100 |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1120 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1130 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1140 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1150 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1160 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1170 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1180 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1190 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1200 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1210 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1220 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1230 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1240 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1250 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1260 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1270 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1280 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1290 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1300 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1310 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1320 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1330 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1340 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1350 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1360 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1370 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1380 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1390 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1400 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1410 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1420 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1430 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1440 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1450 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1460 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1470 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1480 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1490 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1500 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1510 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1520 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1530 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1540 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1550 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1560 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1570 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1580 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1590 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1600 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1610 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1620 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1630 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1640 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1650 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1660 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1670 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1680 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1690 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1700 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1710 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1720 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1730 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1740 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1750 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1760 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1770 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1780 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1790 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1800 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1810 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1820 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1830 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1840 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1850 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1860 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1870 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1880 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1890 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1900 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1910 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1920 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1930 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1940 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1950 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1960 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1970 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1980 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 1990 |      |      |       |       |      | "    |     | "       |      | " " " "                  |
| 2000 |      |      |       |       |      | "    |     | "       |      | " " " "                  |

Drilled to bottom of hole  
 1933-36  
 Drilled to bottom of hole  
 1933-36

1933 1933 100 (a) tr

Red  
 Black  
 Gray

SAMPLE DESCRIPTION M