E & B Natural Resources Management Corp.

DIRECTIONAL DRILLING COMPANY



XTRA ENERGY CORP.
"WNF-I" ~~WELL#~~ 35 037-22795
ELEV. 58' K.B.
SURVEY BY EASTMAN
TYPE SINGLE SHOT LAMB. COORD. N 4 041 496 E 4 205 567
MAG. DEC. 14 DEGREES

DIST. CARSON
LEASE WILMINGTON
RADIUS OF CURVATURE

WELL COURSE - N 88 51' E

1/20/83

| MEASURED DEPTH | DRIFT ANGLE | DRIFT DIRECTION | VERTICAL DEPTH | SECTION | LATITUDE FEET | DEPARTURE FEET | DOG LEG/100 |
|---|---|---|---|---|---|---|---|
| 0 | 0 00 | N 0 00 E | 0.00 | 0.00 | 0.00 N | 0.00 E | 0.00 |
| 100 | 0 00 | N 0 00 E | 100.00 | 0.00 | 0.00 N | 0.00 E | 0.00 |
| 192 | 15 | N 49 00 E | 192.00 | .15 | .13 N | .15 E | .27 |
| 268 | 3 15 | S 80 00 E | 267.96 | 2.32 | .73 N | 2.31 E | 4.08 |
| 329 | 6 00 | S 82 00 E | 328.75 | 7.17 | .04 S | 7.17 E | 4.52 |
| 390 | 8 30 | N 85 00 E | 389.26 | 14.84 | .24 S | 14.85 E | 4.88 |
| 450 | 10 15 | EAST | 448.45 | 24.61 | .19 N | 24.61 E | 3.21 |
| 511 | 13 00 | S 88 00 E | 508.20 | 36.89 | .02 S | 36.90 E | 4.56 |
| 571 | 15 45 | S 86 00 E | 566.31 | 51.74 | .80 S | 51.77 E | 4.66 |
| 635 | 16 00 | S 88 00 E | 627.87 | 69.20 | 1.72 S | 69.25 E | .94 |
| 695 | 18 15 | N 87 00 E | 685.21 | 86.86 | 1.57 S | 86.91 E | 4.48 |
| 756 | 21 15 | N 89 00 E | 742.61 | 107.47 | .85 S | 107.51 E | 5.04 |
| 876 | 21 30 | N 89 00 E | 854.36 | 151.21 | .09 S | 151.24 E | .21 |
| 968 | 23 30 | N 89 00 E | 939.35 | 186.41 | .52 N | 186.44 E | 2.17 |
| 1060 | 25 15 | N 88 00 E | 1023.15 | 224.38 | 1.51 N | 224.39 E | 1.95 |
| 1154 | 28 00 | N 87 30 E | 1107.17 | 266.49 | 3.16 N | 266.48 E | 2.94 |
| 1278 | 32 15 | N 86 30 E | 1214.40 | 328.67 | 6.42 N | 328.61 E | 3.45 |
| 1432 | 36 30 | N 87 00 E | 1341.48 | 415.54 | 11.35 N | 415.40 E | 2.77 |
| 1554 | 41 15 | N 86 00 E | 1436.43 | 492.02 | 16.02 N | 491.80 E | 3.93 |
| 1677 | 46 00 | N 85 30 E | 1525.44 | 576.73 | 22.31 N | 576.40 E | 3.87 |
| 1799 | 51 15 | N 85 30 E | 1606.05 | 668.09 | 29.49 N | 667.63 E | 4.30 |
| 1931 | 51 15 | N 85 00 E | 1688.67 | 770.83 | 38.01 N | 770.22 E | .30 |
| 2053 | 49 15 | N 85 00 E | 1766.68 | 864.41 | 46.18 N | 863.66 E | 1.64 |
| 2140 | 49 00 | N 84 00 E | 1823.61 | 930.01 | 52.49 N | 929.14 E | .92 |
| 2202 | 50 00 | N 86 00 E | 1863.88 | 977.04 | 56.60 N | 976.10 E | 2.94 |
| 2231 | 50 00 | N 88 00 E | 1882.52 | 999.24 | 57.76 N | 998.28 E | 5.28 |
| 2261 | 50 15 | N 89 30 E | 1901.75 | 1022.26 | 58.26 N | 1021.30 E | 3.93 |

LOS ANGELES OIL AND GAS
LONG BEACH, CA.
JAN 20 4 40 PM '83