FORM SP 42 (REV. 4)

# SURVEY TABULATION SHEET

CUSTOMER Humble Oil and Refining Company

WELL NO J.A.E. Knight No. 2

FIELD Fowler (Ellen.)
Lea County, New Mexico

N / W / E / S

SHEET NO 1 of 2

SURVEY JOB NO 54-3891

SURVEY DATE August 6, 1964

Gyroscopic Multishot

| CORRECTED TIME | MEASURED DEPTH COURSE | MEASURED DEPTH TOTAL | VERTICAL DEPTH COURSE | VERTICAL DEPTH TOTAL | ANGLE OF INCLINATION | COURSE DEV. | DIRECTION OF INCLINATION OBSERVED | DIRECTION OF INCLINATION CORR | DIRECTION OF INCLINATION CORRECTED | MEASURED COURSE DISPLACEMENT NORTH | MEASURED COURSE DISPLACEMENT SOUTH | MEASURED COURSE DISPLACEMENT EAST | MEASURED COURSE DISPLACEMENT WEST | TOTAL DISPLACEMENT NORTH | TOTAL DISPLACEMENT SOUTH | TOTAL DISPLACEMENT EAST | TOTAL DISPLACEMENT WEST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | | | | | | | | | | | | | | | |
| 4-06-00 | 68 | 68 | 67.99 | 67.99 | 3/4 | | N 69 W | 0 | N 69 W | .32 | | | .83 | .32 | | | .83 |
| 09-25 | 95 | 163 | 95.00 | 162.99 | 1/4 | | S 01 E | 1W | S 02 E | | .41 | .01 | | | .09 | | .82 |
| 11-30 | 94 | 257 | 94.00 | 256.99 | 0 | | — — — | — | — — — | | | | | | .09 | | .82 |
| 13-10 | 93 | 350 | 93.00 | 349.99 | 1/4 | | S 03 E | 2W | S 05 E | | .40 | .04 | | | .49 | | .78 |
| 15-15 | 94 | 444 | 94.00 | 443.99 | 0 | | — — — | — | — — — | | | | | | .49 | | .78 |
| 16-55 | 95 | 539 | 95.00 | 538.99 | 1/4 | | S 02 W | 3W | S 01 E | | .41 | .01 | | | .90 | | .77 |
| 23-40 | 94 | 633 | 94.00 | 632.99 | 1/4 | | S 31 W | 4W | S 27 W | | .37 | | .19 | | 1.27 | | .96 |
| 25-45 | 94 | 727 | 94.00 | 726.99 | 1/4 | | S 13 W | 4W | S 09 W | | .41 | | .06 | | 1.68 | | 1.02 |
| 27-25 | 95 | 822 | 95.00 | 821.99 | 1/4 | | S 18 E | 5W | S 23 E | | .38 | .16 | | | 2.06 | | .86 |
| 29-30 | 94 | 916 | 94.00 | 915.99 | 1/4 | | S 29 E | | S 34 E | | .24 | .23 | | | 2.40 | | .63 |
| 31-10 | 94 | 1010 | 94.00 | 1009.99 | 1/4 | | S 50 E | | S 55 E | | .24 | .34 | | | 2.64 | | .29 |
| 32-55 | 91 | 1101 | 91.00 | 1100.99 | 1/4 | | S 54 E | | S 59 E | | .20 | .34 | | | 2.84 | .05 | |
| 34-30 | 94 | 1195 | 94.00 | 1194.99 | 1/4 | | S 25 E | | S 30 E | | .36 | .21 | | | 3.20 | .26 | |
| 36-10 | 92 | 1287 | 92.00 | 1286.99 | 1/2 | | S 32 E | | S 37 E | | .64 | .48 | | | 3.84 | .74 | |
| 37-55 | 94 | 1381 | 94.00 | 1380.99 | 1/2 | | S 25 E | | S 30 E | | .71 | .41 | | | 4.55 | 1.15 | |
| 39-30 | 94 | 1475 | 94.00 | 1474.99 | 1/2 | | S 43 E | 5W | S 48 E | | .55 | .61 | | | 5.10 | 1.76 | |
| 45-50 | 93 | 1568 | 93.00 | 1567.99 | 1/2 | | S 42 E | 4W | S 46 E | | .56 | .58 | | | 5.66 | 2.34 | |
| 48-20 | 93 | 1661 | 93.00 | 1660.99 | 1/2 | | S 73 E | | S 77 E | | .18 | .79 | | | 5.84 | 3.13 | |
| 50-00 | 94 | 1755 | 93.96 | 1754.95 | 1 | 3/4 | N 79 E | | N 75 E | .74 | | 2.77 | | | 5.10 | 5.90 | |
| 51-40 | 94 | 1849 | 92.87 | 1848.82 | 3 | | N 70 E | | N 66 E | 2.00 | | 4.49 | | | 3.10 | 10.39 | |
| 53-23 | 93 | 1942 | 92.83 | 1941.65 | 3 | 1/2 | N 75 E | | N 71 E | 1.85 | | 5.37 | | | 1.25 | 15.76 | |
| 55-00 | 94 | 2036 | 93.82 | 2035.47 | 3 | 1/2 | N 77 E | | N 73 E | 1.68 | | 5.49 | | .43 | | 21.25 | |
| 56-20 | 93 | 2129 | 92.85 | 2128.32 | 3 | 1/4 | N 76 E | | N 72 E | 1.63 | | 5.01 | | 2.06 | | 26.26 | |
| 58-00 | 93 | 2222 | 92.89 | 2221.21 | 2 | 3/4 | N 79 E | | N 75 E | 1.15 | | 4.31 | | 3.21 | | 30.57 | |
| 59-40 | 94 | 2316 | 92.87 | 2315.08 | 3 | | N 80 E | 4W | N 76 E | 1.19 | | 4.77 | | 4.40 | | 35.34 | |
| 5-01-20 | 93 | 2409 | 92.93 | 2408.01 | 2 | 1/4 | N 83 E | 3W | N 80 E | .63 | | 3.60 | | 5.03 | | 38.94 | |
| 07-35 | 93 | 2502 | 92.96 | 2500.97 | 1 | 3/4 | EAST | | N 87 E | .15 | | 2.84 | | 5.18 | | 41.78 | |
| 09-45 | 94 | 2596 | 93.98 | 2594.95 | 1 | 1/4 | EAST | | N 87 E | .11 | | 2.05 | | 5.29 | | 43.83 | |
| 5-11-50 | 93 | 2689 | 92.99 | 2687.94 | 1 | | EAST | 3W | N 87 E | .08 | | 1.62 | | 5.37 | | 45.45 | |
| DONE BY | CK | CK | CK | CK | CK | | CK | CK | CK | CK | CK | CK | CK | CK | CK | CK | CK |
| CK BY | DNV | DNV | DNV | DNV | DNV | | DNV | DNV | DNV | DNV | DNV | DNV | DNV | DNV | DNV | DNV | DNV |