

HRS OIL COMPANY  
 OWEN MESA 25 FED COR NO.1  
 W1-AA15

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 11:16:27  
 86/05/24

MEASURED IN INCL. HOLE DIRECTION DEGS. DEPTH FEET COURSE LENGTH FEET TRUE VERTICAL DEPTH FEET RECTANGULAR C L O S U R E DISTANCE FEET DIRECTION DEGS. DOG-LEG DOG/100FT

|         |      |           |        |         |         |          |         |           |      |
|---------|------|-----------|--------|---------|---------|----------|---------|-----------|------|
| 5000.00 | 2.10 | S 54.00 W | 100.00 | 5893.13 | 15.43 S | 264.66 W | 265.11' | S 86.66 W | .27  |
| 5000.00 | 2.20 | S 61.00 W | 100.00 | 5893.06 | 17.16 S | 267.99 W | 268.53' | S 86.34 W | .15  |
| 5100.00 | 2.20 | S 58.00 W | 100.00 | 5892.99 | 19.11 S | 271.29 W | 271.97' | S 85.97 W | .12  |
| 6000.00 | 2.20 | S 61.00 W | 100.00 | 6192.91 | 21.06 S | 274.60 W | 275.41' | S 85.62 W | .12  |
| 6500.00 | 2.20 | S 57.00 W | 100.00 | 6292.84 | 23.03 S | 277.89 W | 278.84' | S 85.26 W | .15  |
| 6400.00 | 2.30 | S 53.00 W | 100.00 | 6392.76 | 25.28 S | 281.11 W | 282.24' | S 84.86 W | .19  |
| 6500.00 | 2.30 | S 53.00 W | 100.00 | 6492.68 | 27.70 S | 284.31 W | 285.66' | S 84.44 W | 0.00 |
| 6600.00 | 2.30 | S 45.00 W | 100.00 | 6592.60 | 30.33 S | 287.34 W | 288.93' | S 83.97 W | .32  |
| 6700.00 | 2.50 | S 42.00 W | 100.00 | 6692.52 | 33.37 S | 290.22 W | 292.13' | S 83.44 W | .24  |
| 6800.00 | 2.40 | S 43.00 W | 100.00 | 6792.42 | 35.52 S | 293.11 W | 295.37' | S 82.90 W | .11  |
| 6900.00 | 2.40 | S 44.00 W | 100.00 | 6892.34 | 39.56 S | 295.99 W | 298.62' | S 82.39 W | .04  |
| 7000.00 | 2.30 | S 44.00 W | 100.00 | 6992.25 | 42.51 S | 298.84 W | 301.85' | S 81.90 W | .10  |
| 7100.00 | 2.10 | S 57.00 W | 100.00 | 7092.18 | 44.94 S | 301.79 W | 305.12' | S 81.53 W | .54  |
| 7200.00 | 1.80 | S 58.00 W | 100.00 | 7192.12 | 46.77 S | 304.66 W | 308.23' | S 81.27 W | .30  |
| 7300.00 | 1.50 | S 55.00 W | 100.00 | 7292.08 | 48.41 S | 307.14 W | 310.93' | S 81.04 W | .22  |
| 7400.00 | 2.00 | S 57.00 W | 100.00 | 7392.03 | 50.16 S | 309.74 W | 313.78' | S 80.80 W | .40  |
| 7500.00 | 2.40 | S 53.00 W | 100.00 | 7491.95 | 52.37 S | 312.88 W | 317.24' | S 80.50 W | .43  |
| 7600.00 | 2.60 | S 60.00 W | 100.00 | 7591.86 | 54.77 S | 316.52 W | 321.22' | S 80.18 W | .36  |
| 7700.00 | 1.70 | S 65.00 W | 100.00 | 7691.79 | 56.50 S | 319.85 W | 324.80' | S 79.98 W | .92  |
| 7800.00 | 1.60 | S 45.00 W | 100.00 | 7791.74 | 58.15 S | 322.19 W | 327.40' | S 79.77 W | .58  |
| 7900.00 | 1.50 | S 14.00 W | 100.00 | 7891.71 | 60.47 S | 323.51 W | 329.11' | S 79.41 W | .83  |
| 8000.00 | 1.30 | S 06.00 W | 100.00 | 7991.60 | 62.98 S | 323.93 W | 329.98' | S 79.02 W | .28  |
| 8100.00 | 1.50 | S 05.00 W | 100.00 | 8091.65 | 65.31 S | 324.17 W | 330.68' | S 78.61 W | .20  |
| 8200.00 | 1.50 | S 02.00 E | 100.00 | 8191.61 | 67.92 S | 324.24 W | 331.27' | S 78.17 W | .18  |
| 8300.00 | 1.30 | S 13.00 W | 100.00 | 8291.58 | 70.37 S | 324.26 W | 331.80' | S 77.76 W | .23  |