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|-----------|---------------|---------|--------|------|-------|
| WELL NAME | STATE 22-16 | | | | |
| WELL API | 05-123-29025 | | | | |
| STATE | Colorado | County | WELD | | |
| Vendor | Vuaghn Energy | | | | |
| MD | TVD | EW | NS | INC | AZIM |
| 0 | 0 | 0 | 0 | 0 | 35.3 |
| 15 | 15 | 0 | 0 | 0 | 35.3 |
| 150 | 149.99 | 0.68 | 0.96 | 1 | 35.3 |
| 181 | 180.99 | 0.97 | 1.42 | 1 | 29 |
| 212 | 211.98 | 1.21 | 1.9 | 1 | 23.7 |
| 243 | 242.98 | 1.45 | 2.36 | 0.9 | 32.1 |
| 274 | 273.97 | 1.77 | 2.78 | 1.1 | 42 |
| 305 | 304.97 | 2.1 | 3.24 | 1 | 27.9 |
| 336 | 335.97 | 2.22 | 3.73 | 0.9 | 358.7 |
| 367 | 366.96 | 2.17 | 4.32 | 1.3 | 351.7 |
| 400 | 399.95 | 1.95 | 5.06 | 1.4 | 336.2 |
| 431 | 430.94 | 1.52 | 5.81 | 1.8 | 325.7 |
| 462 | 461.92 | 0.93 | 6.68 | 2.1 | 326 |
| 493 | 492.9 | 0.25 | 7.72 | 2.5 | 327.8 |
| 524 | 523.86 | -0.53 | 8.93 | 2.8 | 326.4 |
| 555 | 554.82 | -1.42 | 10.25 | 3.1 | 326 |
| 586 | 585.77 | -2.37 | 11.76 | 3.5 | 328.9 |
| 617 | 616.71 | -3.42 | 13.43 | 3.8 | 327.4 |
| 648 | 647.63 | -4.59 | 15.22 | 4.1 | 326 |
| 679 | 678.55 | -5.91 | 17.13 | 4.5 | 324.6 |
| 710 | 709.45 | -7.31 | 19.11 | 4.5 | 325 |
| 741 | 740.35 | -8.79 | 21.15 | 4.8 | 323.2 |
| 772 | 771.23 | -10.46 | 23.27 | 5.2 | 320.4 |
| 803 | 802.1 | -12.23 | 25.49 | 5.3 | 322.5 |
| 834 | 832.97 | -14 | 27.74 | 5.3 | 321.1 |
| 849 | 847.91 | -14.84 | 28.81 | 5.1 | 322.9 |
| 941 | 939.55 | -19.78 | 35.22 | 5 | 321.8 |
| 1030 | 1028.2 | -24.47 | 41.49 | 5.1 | 324.6 |
| 1121 | 1118.88 | -28.99 | 47.62 | 4.5 | 322.5 |
| 1212 | 1209.57 | -34.07 | 53.27 | 5.1 | 314.1 |
| 1302 | 1299.19 | -39.15 | 59.76 | 5.5 | 329.2 |
| 1393 | 1389.65 | -44.84 | 67.74 | 6.9 | 320.8 |
| 1482 | 1477.77 | -53.59 | 76.54 | 9.2 | 310.9 |
| 1571 | 1565.47 | -65.17 | 86.31 | 10.4 | 309.5 |
| 1661 | 1653.95 | -77.72 | 96.99 | 10.7 | 311.3 |
| 1752 | 1743.49 | -89.98 | 107.69 | 9.9 | 310.9 |
| 1841 | 1831.15 | -101.92 | 117.36 | 10 | 307.1 |
| 1931 | 1919.78 | -113.9 | 127.37 | 10 | 312.7 |
| 2021 | 2008.44 | -125.17 | 137.98 | 9.8 | 313.8 |
| 2111 | 2097.02 | -136.74 | 148.93 | 10.6 | 313.1 |
| 2202 | 2186.47 | -149.21 | 160.1 | 10.6 | 310.6 |
| 2292 | 2275.02 | -161.17 | 170.85 | 10 | 313.4 |

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|------|---------|---------|--------|------|--------|
| 2382 | 2363.65 | -173.28 | 180.66 | 10 | 304.6 |
| 2473 | 2453.19 | -187 | 189.4 | 10.6 | 300.5 |
| 2563 | 2541.61 | -201.27 | 198.22 | 10.9 | 302.9 |
| 2654 | 2631.06 | -214.78 | 208.07 | 10.3 | 309.5 |
| 2744 | 2719.6 | -226.12 | 219.48 | 10.4 | 320.8 |
| 2834 | 2808.07 | -237.41 | 231.54 | 10.8 | 313.1 |
| 2925 | 2897.55 | -249.52 | 242.87 | 10.2 | 313.1 |
| 3015 | 2986 | -261.74 | 254.16 | 11.1 | 312.4 |
| 3105 | 3074.24 | -274.78 | 266.14 | 11.6 | 312.7 |
| 3196 | 3163.4 | -287.46 | 279.19 | 11.5 | 319 |
| 3286 | 3251.73 | -298.42 | 292.5 | 10.6 | 322.2 |
| 3376 | 3340.26 | -308.41 | 305.22 | 10.1 | 321.5 |
| 3467 | 3429.85 | -318.23 | 317.79 | 10.1 | 322.5 |
| 3557 | 3518.59 | -327.19 | 329.83 | 9.1 | 324.3 |
| 3647 | 3607.43 | -336.68 | 340.66 | 9.4 | 313.4 |
| 3738 | 3697.08 | -349.05 | 350.12 | 10.4 | 302 |
| 3828 | 3785.69 | -362.24 | 358.78 | 9.8 | 304.6 |
| 3919 | 3875.56 | -373.82 | 367.05 | 8.2 | 306.7 |
| 4009 | 3964.42 | -384.32 | 376.69 | 10.1 | 317.28 |
| 4098 | 4052.15 | -394.47 | 387.73 | 9.3 | 317.6 |
| 4189 | 4141.92 | -405.36 | 397.89 | 9.6 | 308.5 |
| 4278 | 4229.54 | -417.73 | 407.4 | 10.6 | 306.7 |
| 4369 | 4319.15 | -430.4 | 416.84 | 9.4 | 306.7 |
| 4459 | 4407.64 | -443.28 | 426.99 | 11.6 | 309.5 |
| 4549 | 4495.91 | -456.55 | 438.48 | 10.9 | 312.4 |
| 4640 | 4585.47 | -467.99 | 449.81 | 9.5 | 317.3 |
| 4731 | 4675.41 | -477.12 | 460.2 | 8 | 320.4 |
| 4821 | 4764.33 | -486.31 | 470.66 | 9.8 | 317.3 |
| 4911 | 4852.98 | -495.95 | 482.81 | 10.1 | 325.7 |
| 5002 | 4942.4 | -506.05 | 496.34 | 11.3 | 321.1 |
| 5092 | 5030.67 | -517.03 | 510.04 | 11.2 | 321.5 |
| 5182 | 5119.07 | -527.8 | 523.01 | 10.4 | 319 |
| 5273 | 5208.55 | -538.44 | 535.73 | 10.6 | 321.1 |
| 5363 | 5297.13 | -548.55 | 548.04 | 9.8 | 320.1 |
| 5453 | 5385.97 | -557.68 | 559.17 | 8.6 | 321.2 |
| 5544 | 5476.23 | -564.49 | 568.4 | 5.9 | 327.1 |
| 5634 | 5565.87 | -568.66 | 575.31 | 4.4 | 331.3 |
| 5725 | 5656.73 | -570.93 | 579.58 | 1.7 | 333.8 |
| 5815 | 5746.71 | -571.73 | 580.89 | 0.3 | 298.3 |
| 5950 | 5881.71 | -572.73 | 581.52 | 0.7 | 303.6 |
| 6085 | 6016.7 | -574.18 | 582.29 | 0.7 | 292.3 |
| 6220 | 6151.69 | -575.22 | 582.98 | 0.4 | 323.9 |
| 6356 | 6287.68 | -576.34 | 583.8 | 0.8 | 297.2 |
| 6492 | 6423.67 | -577.89 | 584.31 | 0.6 | 276.2 |
| 6627 | 6558.67 | -579.22 | 583.84 | 0.7 | 229 |
| 6763 | 6694.66 | -580.18 | 582.81 | 0.5 | 214.6 |
| 6898 | 6829.65 | -580.69 | 581.64 | 0.6 | 194.2 |

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|------|---------|---------|--------|-----|-------|
| 7034 | 6965.64 | -581.08 | 579.54 | 1.2 | 188.9 |
| 7169 | 7100.61 | -581.04 | 577.24 | 0.8 | 164 |
| 7305 | 7236.6 | -580.96 | 575.15 | 1 | 188.6 |
| 7440 | 7371.57 | -581.81 | 572.61 | 1.3 | 206.2 |
| 7576 | 7507.54 | -582.49 | 569.81 | 1.2 | 179.8 |
| 7716 | 7647.52 | -582.11 | 567.44 | 0.8 | 157.7 |
| 7848 | 7779.51 | -581.25 | 565.82 | 0.8 | 146.1 |
| 7983 | 7914.49 | -579.94 | 564.52 | 0.8 | 123.6 |
| 8119 | 8050.48 | -578.46 | 563.79 | 0.6 | 106.7 |
| 8160 | 8091.48 | -578.08 | 563.69 | 0.5 | 99.3 |
| 8210 | 8141.48 | -577.65 | 563.62 | 0.5 | 99.3 |