



| REFERENCE WELLPATH IDENTIFICATION |                                 |          |  |
|-----------------------------------|---------------------------------|----------|--|
| Operator                          | KERR-MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07) |
| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

| REPORT SETUP INFORMATION |   |                      |   |
|--------------------------|---|----------------------|---|
| Projection System        | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System      | WellArchitect® 4.0.0                                |
| North Reference          | True  | User                 | Precain   |
| Scale                    | 0.999957  | Report Generated     | 03/Dec/2013 at 09:16                                |
| Convergence at slot      | n/a   | Database/Source file | WellArchitectDB/HENRICKSON_FEDERAL_13N-18HZ_AWB.xml |

| WELLPATH LOCATION     |                   |          |                   |                   |                        |                 |
|-----------------------|-------------------|----------|-------------------|-------------------|------------------------|-----------------|
|                       | Local coordinates |          | Grid coordinates  |                   | Geographic coordinates |                 |
|                       | North[ft]         | East[ft] | Easting[US ft]    | Northing[US ft]   | Latitude               | Longitude       |
| Slot Location         | -1758.75          | -2413.33 | 3187895.22        | 1329683.45        | 40°14'11.119"N         | 104°49'37.106"W |
| Facility Reference Pt |                   |          | 3190294.85        | 1331460.62        | 40°14'28.500"N         | 104°49'05.988"W |
| Field Reference Pt    |                   |          | <b>3197771.84</b> | <b>1268891.29</b> | 40°04'09.600"N         | 104°47'36.000"W |

| WELLPATH DATUM           |   |  |                          |
|--------------------------|---|--|--------------------------|
| Calculation method       | Minimum curvature                       | ENSIGN 145 (4806': 4793'GL+13'KB) (RKB) to Facility Vertical Datum   | <b>4806.00ft</b>         |
| Horizontal Reference Pt  | Slot                                    | ENSIGN 145 (4806': 4793'GL+13'KB) (RKB) to Mean Sea Level  | <b>4806.00ft</b>         |
| Vertical Reference Pt    | ENSIGN 145 (4806': 4793'GL+13'KB) (RKB) | ENSIGN 145 (4806': 4793'GL+13'KB) (RKB) to Mud Line at Slot (SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07)) | <b>4806.00ft</b>         |
| MD Reference Pt          | ENSIGN 145 (4806': 4793'GL+13'KB) (RKB) | Section Origin   | <b>N 0.00, E 0.00 ft</b> |
| Field Vertical Reference | Mean Sea Level                          | Section Azimuth  | <b>179.96°</b>           |

| REFERENCE WELLPATH IDENTIFICATION |                                 |          |  |
|-----------------------------------|---------------------------------|----------|--|
| Operator                          | KERR-MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07) |
| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

| WELLPATH DATA (145 stations) † = interpolated/extrapolated station |                 |             |          |                |            |           |                |                 |               |                           |
|--|-----------------|-------------|----------|----------------|------------|-----------|----------------|-----------------|---------------|---------------------------|
| MD [ft]  | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude       | Longitude       | DLS [°/100ft] | Comments                  |
| 0.00†  | 0.000           | 60.850      | 0.00     | 0.00           | 0.00       | 0.00      | 40°14'11.119"N | 104°49'37.106"W | 0.00          |                           |
| 13.00  | 0.000           | 60.850      | 13.00    | 0.00           | 0.00       | 0.00      | 40°14'11.119"N | 104°49'37.106"W | 0.00          | Tie-On                    |
| 113.00   | 0.170           | 60.850      | 113.00   | -0.07          | 0.07       | 0.13      | 40°14'11.120"N | 104°49'37.104"W | 0.17          | Begin GYRO Surveys        |
| 213.00   | 0.140           | 118.540     | 213.00   | -0.09          | 0.09       | 0.37      | 40°14'11.120"N | 104°49'37.101"W | 0.15          |                           |
| 313.00   | 0.110           | 225.480     | 313.00   | 0.04           | -0.04      | 0.41      | 40°14'11.119"N | 104°49'37.101"W | 0.20          |                           |
| 413.00   | 0.230           | 233.950     | 413.00   | 0.23           | -0.22      | 0.17      | 40°14'11.117"N | 104°49'37.104"W | 0.12          |                           |
| 513.00   | 0.060           | 153.920     | 513.00   | 0.39           | -0.39      | 0.04      | 40°14'11.115"N | 104°49'37.106"W | 0.23          |                           |
| 613.00   | 0.100           | 223.580     | 613.00   | 0.50           | -0.50      | 0.00      | 40°14'11.114"N | 104°49'37.106"W | 0.10          |                           |
| 713.00   | 0.380           | 163.580     | 713.00   | 0.88           | -0.88      | 0.03      | 40°14'11.110"N | 104°49'37.106"W | 0.34          |                           |
| 813.00   | 0.450           | 202.960     | 813.00   | 1.56           | -1.56      | -0.03     | 40°14'11.104"N | 104°49'37.106"W | 0.29          |                           |
| 913.00   | 0.370           | 180.120     | 912.99   | 2.25           | -2.25      | -0.18     | 40°14'11.097"N | 104°49'37.108"W | 0.18          |                           |
| 952.00   | 0.330           | 198.740     | 951.99   | 2.48           | -2.48      | -0.22     | 40°14'11.095"N | 104°49'37.109"W | 0.31          | Tie-Into GYRO Surveys     |
| 1086.00  | 0.350           | 356.110     | 1085.99  | 2.43           | -2.44      | -0.37     | 40°14'11.095"N | 104°49'37.111"W | 0.50          | Begin BHI MWD+IFR Surveys |
| 1180.00  | 0.320           | 13.680      | 1179.99  | 1.89           | -1.89      | -0.33     | 40°14'11.100"N | 104°49'37.110"W | 0.11          |                           |
| 1461.00  | 0.270           | 316.520     | 1460.99  | 0.65           | -0.65      | -0.60     | 40°14'11.113"N | 104°49'37.114"W | 0.10          |                           |
| 1648.00  | 1.420           | 206.540     | 1647.97  | 2.40           | -2.40      | -1.94     | 40°14'11.095"N | 104°49'37.131"W | 0.82          |                           |
| 2015.00  | 0.910           | 242.130     | 2014.90  | 7.83           | -7.83      | -6.54     | 40°14'11.042"N | 104°49'37.190"W | 0.23          |                           |
| 2195.00  | 0.820           | 179.360     | 2194.88  | 9.79           | -9.79      | -7.79     | 40°14'11.022"N | 104°49'37.206"W | 0.50          |                           |
| 2375.00  | 1.180           | 111.730     | 2374.86  | 11.76          | -11.77     | -6.06     | 40°14'11.003"N | 104°49'37.184"W | 0.64          |                           |
| 2555.00  | 0.980           | 94.510      | 2554.82  | 12.57          | -12.57     | -2.80     | 40°14'10.995"N | 104°49'37.142"W | 0.21          |                           |
| 2644.00  | 2.420           | 104.140     | 2643.78  | 13.09          | -13.09     | -0.22     | 40°14'10.990"N | 104°49'37.109"W | 1.64          |                           |
| 2735.00  | 4.260           | 102.620     | 2734.62  | 14.30          | -14.30     | 4.94      | 40°14'10.978"N | 104°49'37.042"W | 2.02          |                           |
| 2824.00  | 5.850           | 110.170     | 2823.28  | 16.59          | -16.59     | 12.43     | 40°14'10.955"N | 104°49'36.946"W | 1.93          |                           |
| 2914.00  | 6.520           | 95.130      | 2912.76  | 18.64          | -18.62     | 21.82     | 40°14'10.935"N | 104°49'36.825"W | 1.94          |                           |
| 3002.00  | 7.830           | 85.790      | 3000.07  | 18.65          | -18.63     | 32.78     | 40°14'10.935"N | 104°49'36.683"W | 1.99          |                           |
| 3092.00  | 7.870           | 83.410      | 3089.23  | 17.50          | -17.47     | 45.01     | 40°14'10.946"N | 104°49'36.526"W | 0.36          |                           |
| 3180.00  | 9.300           | 82.650      | 3176.24  | 15.91          | -15.87     | 58.05     | 40°14'10.962"N | 104°49'36.358"W | 1.63          |                           |
| 3268.00  | 10.370          | 83.480      | 3262.94  | 14.11          | -14.06     | 72.97     | 40°14'10.980"N | 104°49'36.165"W | 1.23          |                           |
| 3358.00  | 10.470          | 84.120      | 3351.46  | 12.37          | -12.31     | 89.15     | 40°14'10.997"N | 104°49'35.956"W | 0.17          |                           |
| 3447.00  | 11.700          | 86.610      | 3438.80  | 11.02          | -10.94     | 106.21    | 40°14'11.011"N | 104°49'35.737"W | 1.48          |                           |
| 3537.00  | 14.130          | 92.970      | 3526.52  | 11.06          | -10.97     | 126.29    | 40°14'11.011"N | 104°49'35.478"W | 3.12          |                           |
| 3630.00  | 15.780          | 91.900      | 3616.37  | 12.09          | -11.98     | 150.27    | 40°14'11.001"N | 104°49'35.168"W | 1.80          |                           |
| 3721.00  | 17.550          | 92.780      | 3703.54  | 13.18          | -13.06     | 176.34    | 40°14'10.990"N | 104°49'34.832"W | 1.96          |                           |
| 3811.00  | 19.580          | 93.160      | 3788.85  | 14.69          | -14.55     | 204.95    | 40°14'10.975"N | 104°49'34.463"W | 2.26          |                           |
| 3901.00  | 21.670          | 87.630      | 3873.09  | 14.86          | -14.69     | 236.62    | 40°14'10.974"N | 104°49'34.055"W | 3.17          |                           |
| 3990.00  | 21.530          | 86.490      | 3955.84  | 13.20          | -13.01     | 269.34    | 40°14'10.990"N | 104°49'33.633"W | 0.50          |                           |
| 4079.00  | 20.670          | 87.100      | 4038.87  | 11.43          | -11.22     | 301.33    | 40°14'11.008"N | 104°49'33.221"W | 1.00          |                           |
| 4169.00  | 18.660          | 88.220      | 4123.62  | 10.20          | -9.97      | 331.59    | 40°14'11.021"N | 104°49'32.830"W | 2.27          |                           |
| 4259.00  | 16.710          | 85.990      | 4209.36  | 8.86           | -8.61      | 358.89    | 40°14'11.034"N | 104°49'32.478"W | 2.29          |                           |
| 4349.00  | 17.850          | 88.710      | 4295.30  | 7.67           | -7.40      | 385.58    | 40°14'11.046"N | 104°49'32.134"W | 1.55          |                           |
| 4446.00  | 18.040          | 91.720      | 4387.58  | 7.80           | -7.51      | 415.46    | 40°14'11.045"N | 104°49'31.749"W | 0.98          |                           |
| 4536.00  | 17.640          | 90.670      | 4473.25  | 8.40           | -8.09      | 443.03    | 40°14'11.039"N | 104°49'31.394"W | 0.57          |                           |
| 4626.00  | 19.410          | 89.870      | 4558.59  | 8.55           | -8.22      | 471.62    | 40°14'11.038"N | 104°49'31.025"W | 1.99          |                           |
| 4716.00  | 20.180          | 86.600      | 4643.27  | 7.61           | -7.26      | 502.07    | 40°14'11.047"N | 104°49'30.632"W | 1.50          |                           |
| 4806.00  | 19.300          | 84.740      | 4727.98  | 5.35           | -4.98      | 532.38    | 40°14'11.070"N | 104°49'30.241"W | 1.20          |                           |

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| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

| WELLPATH DATA (145 stations) † = interpolated/extrapolated station |                 |             |          |                |            |           |                |                 |               |                 |
|--|-----------------|-------------|----------|----------------|------------|-----------|----------------|-----------------|---------------|-----------------|
| MD [ft]  | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude       | Longitude       | DLS [°/100ft] | Comments        |
| 4896.00  | 18.070          | 84.470      | 4813.24  | 2.66           | -2.27      | 561.08    | 40°14'11.097"N | 104°49'29.871"W | 1.37          |                 |
| 4986.00  | 19.720          | 82.320      | 4898.39  | -0.69          | 1.11       | 590.03    | 40°14'11.130"N | 104°49'29.498"W | 1.99          |                 |
| 5076.00  | 18.950          | 82.570      | 4983.31  | -4.59          | 5.02       | 619.57    | 40°14'11.169"N | 104°49'29.117"W | 0.86          |                 |
| 5166.00  | 16.960          | 81.790      | 5068.92  | -8.34          | 8.79       | 647.05    | 40°14'11.206"N | 104°49'28.763"W | 2.23          |                 |
| 5256.00  | 15.030          | 81.180      | 5155.43  | -11.98         | 12.45      | 671.58    | 40°14'11.242"N | 104°49'28.447"W | 2.15          |                 |
| 5346.00  | 15.730          | 83.580      | 5242.21  | -15.12         | 15.61      | 695.23    | 40°14'11.273"N | 104°49'28.142"W | 1.05          |                 |
| 5436.00  | 17.050          | 85.730      | 5328.55  | -17.45         | 17.95      | 720.52    | 40°14'11.296"N | 104°49'27.816"W | 1.61          |                 |
| 5526.00  | 15.810          | 85.490      | 5414.88  | -19.38         | 19.90      | 745.90    | 40°14'11.316"N | 104°49'27.488"W | 1.38          |                 |
| 5616.00  | 14.080          | 86.310      | 5501.83  | -21.03         | 21.57      | 769.04    | 40°14'11.332"N | 104°49'27.190"W | 1.94          |                 |
| 5706.00  | 12.580          | 85.330      | 5589.40  | -22.52         | 23.07      | 789.74    | 40°14'11.347"N | 104°49'26.923"W | 1.69          |                 |
| 5797.00  | 10.680          | 85.410      | 5678.53  | -23.99         | 24.55      | 808.02    | 40°14'11.361"N | 104°49'26.687"W | 2.09          |                 |
| 5887.00  | 9.750           | 85.400      | 5767.10  | -25.26         | 25.83      | 823.93    | 40°14'11.374"N | 104°49'26.482"W | 1.03          |                 |
| 5977.00  | 7.220           | 82.410      | 5856.11  | -26.61         | 27.19      | 837.14    | 40°14'11.388"N | 104°49'26.312"W | 2.85          |                 |
| 6067.00  | 5.180           | 74.590      | 5945.58  | -28.43         | 29.02      | 846.66    | 40°14'11.406"N | 104°49'26.189"W | 2.45          |                 |
| 6157.00  | 4.070           | 55.470      | 6035.29  | -31.31         | 31.91      | 853.21    | 40°14'11.434"N | 104°49'26.105"W | 2.09          |                 |
| 6247.00  | 3.570           | 31.220      | 6125.10  | -35.52         | 36.11      | 857.29    | 40°14'11.476"N | 104°49'26.052"W | 1.86          |                 |
| 6337.00  | 2.280           | 12.140      | 6214.98  | -39.66         | 40.26      | 859.12    | 40°14'11.517"N | 104°49'26.028"W | 1.78          |                 |
| 6427.00  | 0.910           | 309.650     | 6304.95  | -41.87         | 42.47      | 858.95    | 40°14'11.539"N | 104°49'26.031"W | 2.25          |                 |
| 6517.00  | 1.480           | 244.010     | 6394.93  | -41.82         | 42.41      | 857.35    | 40°14'11.538"N | 104°49'26.051"W | 1.53          |                 |
| 6607.00  | 3.300           | 200.560     | 6484.86  | -38.88         | 39.48      | 855.40    | 40°14'11.509"N | 104°49'26.076"W | 2.72          |                 |
| 6652.00  | 8.870           | 199.600     | 6529.58  | -34.40         | 34.99      | 853.78    | 40°14'11.465"N | 104°49'26.097"W | 12.38         |                 |
| 6697.00  | 14.380          | 203.180     | 6573.64  | -25.99         | 26.58      | 850.41    | 40°14'11.382"N | 104°49'26.141"W | 12.34         |                 |
| 6742.00  | 20.960          | 203.310     | 6616.50  | -13.45         | 14.04      | 845.02    | 40°14'11.258"N | 104°49'26.210"W | 14.62         |                 |
| 6787.00  | 26.780          | 196.520     | 6657.64  | 3.67           | -3.09      | 838.95    | 40°14'11.088"N | 104°49'26.288"W | 14.28         |                 |
| 6832.00  | 31.300          | 188.130     | 6696.99  | 24.98          | -24.40     | 834.41    | 40°14'10.878"N | 104°49'26.347"W | 13.50         |                 |
| 6877.00  | 34.340          | 179.050     | 6734.82  | 49.26          | -48.68     | 832.96    | 40°14'10.638"N | 104°49'26.366"W | 12.84         |                 |
| 6922.00  | 37.980          | 176.750     | 6771.15  | 75.79          | -75.21     | 833.96    | 40°14'10.376"N | 104°49'26.353"W | 8.63          |                 |
| 6967.00  | 40.990          | 178.610     | 6805.88  | 104.38         | -103.79    | 835.10    | 40°14'10.093"N | 104°49'26.338"W | 7.19          |                 |
| 7012.00  | 44.150          | 179.570     | 6839.02  | 134.81         | -134.23    | 835.58    | 40°14'09.792"N | 104°49'26.332"W | 7.17          |                 |
| 7057.00  | 47.160          | 178.020     | 6870.47  | 166.98         | -166.40    | 836.27    | 40°14'09.475"N | 104°49'26.323"W | 7.13          |                 |
| 7102.00  | 49.600          | 178.070     | 6900.35  | 200.60         | -200.01    | 837.41    | 40°14'09.142"N | 104°49'26.308"W | 5.42          |                 |
| 7147.00  | 52.500          | 178.610     | 6928.64  | 235.58         | -234.99    | 838.42    | 40°14'08.797"N | 104°49'26.295"W | 6.51          |                 |
| 7192.00  | 55.540          | 178.250     | 6955.07  | 271.97         | -271.39    | 839.42    | 40°14'08.437"N | 104°49'26.282"W | 6.79          |                 |
| 7238.00  | 59.340          | 177.830     | 6979.83  | 310.72         | -310.13    | 840.75    | 40°14'08.054"N | 104°49'26.265"W | 8.30          |                 |
| 7282.00  | 63.890          | 178.310     | 7000.74  | 349.39         | -348.81    | 842.05    | 40°14'07.672"N | 104°49'26.249"W | 10.39         |                 |
| 7327.00  | 67.340          | 177.520     | 7019.31  | 390.35         | -389.76    | 843.55    | 40°14'07.267"N | 104°49'26.229"W | 7.83          |                 |
| 7372.00  | 70.300          | 176.350     | 7035.57  | 432.24         | -431.65    | 845.80    | 40°14'06.853"N | 104°49'26.200"W | 7.01          |                 |
| 7417.00  | 73.410          | 177.080     | 7049.58  | 474.93         | -474.34    | 848.24    | 40°14'06.431"N | 104°49'26.169"W | 7.08          |                 |
| 7462.00  | 78.270          | 180.080     | 7060.59  | 518.53         | -517.94    | 849.31    | 40°14'06.001"N | 104°49'26.155"W | 12.59         |                 |
| 7497.00  | 82.400          | 180.860     | 7066.47  | 553.03         | -552.43    | 849.03    | 40°14'05.660"N | 104°49'26.159"W | 12.00         |                 |
| 7529.00  | 83.660          | 181.490     | 7070.35  | 584.78         | -584.19    | 848.38    | 40°14'05.346"N | 104°49'26.167"W | 4.40          |                 |
| 7551.00  | 86.260          | 182.170     | 7072.28  | 606.68         | -606.09    | 847.68    | 40°14'05.130"N | 104°49'26.176"W | 12.21         |                 |
| 7600.00†   | 87.322          | 182.015     | 7075.02  | 655.57         | -654.98    | 845.89    | 40°14'04.646"N | 104°49'26.199"W | 2.19          | 7" Casing Point |
| 7712.00  | 89.750          | 181.660     | 7077.89  | 767.47         | -766.88    | 842.30    | 40°14'03.541"N | 104°49'26.246"W | 2.19          |                 |
| 7810.00  | 90.000          | 181.060     | 7078.10  | 865.44         | -864.85    | 839.97    | 40°14'02.572"N | 104°49'26.276"W | 0.66          |                 |

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|-----------------------------------|---------------------------------|----------|--|
| Operator                          | KERR-MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07) |
| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

### WELLPATH DATA (145 stations)

| MD [ft]  | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude       | Longitude       | DLS [°/100ft] | Comments |
|----------|-----------------|-------------|----------|----------------|------------|-----------|----------------|-----------------|---------------|----------|
| 7900.00  | 90.240          | 182.360     | 7077.91  | 955.39         | -954.81    | 837.29    | 40°14'01.684"N | 104°49'26.310"W | 1.47          |          |
| 7990.00  | 91.440          | 181.160     | 7076.59  | 1045.34        | -1044.75   | 834.53    | 40°14'00.795"N | 104°49'26.346"W | 1.89          |          |
| 8080.00  | 91.320          | 179.430     | 7074.42  | 1135.30        | -1134.72   | 834.06    | 40°13'59.906"N | 104°49'26.352"W | 1.93          |          |
| 8170.00  | 91.040          | 178.520     | 7072.57  | 1225.27        | -1224.69   | 835.67    | 40°13'59.017"N | 104°49'26.331"W | 1.06          |          |
| 8260.00  | 90.700          | 177.640     | 7071.20  | 1315.21        | -1314.63   | 838.69    | 40°13'58.128"N | 104°49'26.292"W | 1.05          |          |
| 8350.00  | 90.830          | 178.130     | 7070.00  | 1405.14        | -1404.56   | 842.01    | 40°13'57.239"N | 104°49'26.250"W | 0.56          |          |
| 8440.00  | 89.100          | 177.410     | 7070.06  | 1495.07        | -1494.48   | 845.51    | 40°13'56.350"N | 104°49'26.204"W | 2.08          |          |
| 8530.00  | 88.950          | 177.650     | 7071.59  | 1584.98        | -1584.39   | 849.39    | 40°13'55.462"N | 104°49'26.155"W | 0.31          |          |
| 8620.00  | 89.130          | 177.170     | 7073.10  | 1674.88        | -1674.28   | 853.45    | 40°13'54.574"N | 104°49'26.102"W | 0.57          |          |
| 8710.00  | 89.870          | 178.320     | 7073.88  | 1764.80        | -1764.21   | 857.00    | 40°13'53.685"N | 104°49'26.057"W | 1.52          |          |
| 8800.00  | 90.360          | 177.790     | 7073.70  | 1854.75        | -1854.15   | 860.05    | 40°13'52.796"N | 104°49'26.017"W | 0.80          |          |
| 8890.00  | 90.580          | 178.570     | 7072.96  | 1944.71        | -1944.11   | 862.91    | 40°13'51.907"N | 104°49'25.980"W | 0.90          |          |
| 8980.00  | 90.490          | 181.320     | 7072.12  | 2034.69        | -2034.09   | 862.99    | 40°13'51.018"N | 104°49'25.979"W | 3.06          |          |
| 9070.00  | 90.550          | 180.640     | 7071.31  | 2124.68        | -2124.08   | 861.46    | 40°13'50.129"N | 104°49'25.999"W | 0.76          |          |
| 9160.00  | 91.290          | 180.880     | 7069.86  | 2214.66        | -2214.06   | 860.26    | 40°13'49.240"N | 104°49'26.015"W | 0.86          |          |
| 9250.00  | 91.260          | 179.980     | 7067.86  | 2304.63        | -2304.03   | 859.59    | 40°13'48.351"N | 104°49'26.023"W | 1.00          |          |
| 9340.00  | 90.520          | 179.520     | 7066.46  | 2394.62        | -2394.02   | 859.98    | 40°13'47.461"N | 104°49'26.018"W | 0.97          |          |
| 9430.00  | 89.500          | 178.520     | 7066.44  | 2484.60        | -2484.00   | 861.52    | 40°13'46.572"N | 104°49'25.999"W | 1.59          |          |
| 9520.00  | 90.210          | 178.490     | 7066.67  | 2574.57        | -2573.97   | 863.87    | 40°13'45.683"N | 104°49'25.968"W | 0.79          |          |
| 9610.00  | 91.760          | 176.990     | 7065.12  | 2664.49        | -2663.88   | 867.41    | 40°13'44.795"N | 104°49'25.923"W | 2.40          |          |
| 9700.00  | 91.570          | 176.970     | 7062.51  | 2754.33        | -2753.72   | 872.15    | 40°13'43.907"N | 104°49'25.862"W | 0.21          |          |
| 9790.00  | 90.180          | 176.840     | 7061.14  | 2844.19        | -2843.57   | 877.01    | 40°13'43.019"N | 104°49'25.799"W | 1.55          |          |
| 9880.00  | 89.870          | 178.390     | 7061.10  | 2934.11        | -2933.49   | 880.76    | 40°13'42.130"N | 104°49'25.751"W | 1.76          |          |
| 9970.00  | 89.410          | 178.860     | 7061.66  | 3024.08        | -3023.47   | 882.92    | 40°13'41.241"N | 104°49'25.723"W | 0.73          |          |
| 10060.00 | 88.750          | 180.250     | 7063.11  | 3114.06        | -3113.45   | 883.62    | 40°13'40.352"N | 104°49'25.714"W | 1.71          |          |
| 10150.00 | 88.820          | 180.940     | 7065.02  | 3204.04        | -3203.42   | 882.68    | 40°13'39.463"N | 104°49'25.726"W | 0.77          |          |
| 10241.00 | 89.220          | 181.110     | 7066.57  | 3295.01        | -3294.39   | 881.05    | 40°13'38.564"N | 104°49'25.747"W | 0.48          |          |
| 10331.00 | 89.810          | 180.720     | 7067.33  | 3384.99        | -3384.38   | 879.62    | 40°13'37.675"N | 104°49'25.766"W | 0.79          |          |
| 10511.00 | 89.440          | 179.690     | 7068.51  | 3564.98        | -3564.37   | 878.97    | 40°13'35.896"N | 104°49'25.774"W | 0.61          |          |
| 10690.00 | 90.490          | 179.340     | 7068.62  | 3743.98        | -3743.36   | 880.49    | 40°13'34.127"N | 104°49'25.755"W | 0.62          |          |
| 10870.00 | 89.660          | 178.570     | 7068.39  | 3923.95        | -3923.33   | 883.77    | 40°13'32.349"N | 104°49'25.712"W | 0.63          |          |
| 11050.00 | 89.130          | 179.140     | 7070.29  | 4103.90        | -4103.28   | 887.37    | 40°13'30.571"N | 104°49'25.666"W | 0.43          |          |
| 11230.00 | 88.760          | 179.770     | 7073.60  | 4283.86        | -4283.24   | 889.08    | 40°13'28.792"N | 104°49'25.644"W | 0.41          |          |
| 11410.00 | 89.660          | 178.680     | 7076.08  | 4463.83        | -4463.20   | 891.51    | 40°13'27.014"N | 104°49'25.613"W | 0.79          |          |
| 11590.00 | 89.720          | 178.240     | 7077.06  | 4643.76        | -4643.14   | 896.35    | 40°13'25.236"N | 104°49'25.550"W | 0.25          |          |
| 11770.00 | 90.300          | 178.820     | 7077.02  | 4823.70        | -4823.07   | 900.97    | 40°13'23.458"N | 104°49'25.491"W | 0.46          |          |
| 11860.00 | 89.010          | 179.550     | 7077.57  | 4913.69        | -4913.06   | 902.25    | 40°13'22.568"N | 104°49'25.475"W | 1.65          |          |
| 11950.00 | 89.230          | 180.260     | 7078.95  | 5003.68        | -5003.05   | 902.40    | 40°13'21.679"N | 104°49'25.473"W | 0.83          |          |
| 12041.00 | 89.350          | 181.440     | 7080.08  | 5094.66        | -5094.03   | 901.05    | 40°13'20.780"N | 104°49'25.490"W | 1.30          |          |
| 12131.00 | 89.750          | 181.220     | 7080.78  | 5184.63        | -5184.00   | 898.96    | 40°13'19.891"N | 104°49'25.517"W | 0.51          |          |
| 12221.00 | 90.800          | 180.900     | 7080.35  | 5274.61        | -5273.99   | 897.29    | 40°13'19.002"N | 104°49'25.539"W | 1.22          |          |
| 12311.00 | 90.330          | 181.350     | 7079.46  | 5364.59        | -5363.96   | 895.53    | 40°13'18.113"N | 104°49'25.561"W | 0.72          |          |
| 12401.00 | 89.190          | 181.960     | 7079.84  | 5454.55        | -5453.92   | 892.93    | 40°13'17.224"N | 104°49'25.595"W | 1.44          |          |
| 12491.00 | 89.530          | 181.400     | 7080.85  | 5544.50        | -5543.88   | 890.29    | 40°13'16.335"N | 104°49'25.629"W | 0.73          |          |
| 12581.00 | 90.330          | 181.840     | 7080.96  | 5634.46        | -5633.84   | 887.75    | 40°13'15.446"N | 104°49'25.662"W | 1.01          |          |

| REFERENCE WELLPATH IDENTIFICATION |                                 |          |  |
|-----------------------------------|---------------------------------|----------|--|
| Operator                          | KERR-MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07) |
| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

| WELLPATH DATA (145 stations) |                 |             |          |                |            |           |                |                 |               |                          |
|------------------------------|-----------------|-------------|----------|----------------|------------|-----------|----------------|-----------------|---------------|--------------------------|
| MD [ft]                      | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude       | Longitude       | DLS [°/100ft] | Comments                 |
| 12671.00                     | 89.220          | 181.660     | 7081.31  | 5724.41        | -5723.80   | 885.00    | 40°13'14.557"N | 104°49'25.697"W | 1.25          |                          |
| 12761.00                     | 90.330          | 181.570     | 7081.66  | 5814.38        | -5813.76   | 882.46    | 40°13'13.668"N | 104°49'25.730"W | 1.24          |                          |
| 12851.00                     | 91.500          | 181.580     | 7080.23  | 5904.33        | -5903.71   | 879.99    | 40°13'12.779"N | 104°49'25.762"W | 1.30          |                          |
| 12941.00                     | 92.310          | 181.310     | 7077.23  | 5994.25        | -5993.63   | 877.72    | 40°13'11.890"N | 104°49'25.791"W | 0.95          |                          |
| 13031.00                     | 92.460          | 181.460     | 7073.49  | 6084.14        | -6083.53   | 875.55    | 40°13'11.002"N | 104°49'25.819"W | 0.24          |                          |
| 13121.00                     | 90.330          | 181.480     | 7071.30  | 6174.08        | -6173.47   | 873.24    | 40°13'10.113"N | 104°49'25.849"W | 2.37          |                          |
| 13211.00                     | 89.220          | 180.130     | 7071.65  | 6264.06        | -6263.46   | 871.97    | 40°13'09.224"N | 104°49'25.865"W | 1.94          |                          |
| 13301.00                     | 88.790          | 179.610     | 7073.21  | 6354.05        | -6353.44   | 872.18    | 40°13'08.335"N | 104°49'25.863"W | 0.75          |                          |
| 13379.00                     | 89.070          | 180.200     | 7074.67  | 6432.03        | -6431.43   | 872.31    | 40°13'07.564"N | 104°49'25.861"W | 0.84          | Last BHI MWD+IFR Surveys |
| 13433.00                     | 89.070          | 180.200     | 7075.55  | 6486.03        | -6485.42   | 872.12    | 40°13'07.030"N | 104°49'25.864"W | 0.00          | Projection to Bit        |

| HOLE & CASING SECTIONS - Ref Wellbore: HENRICKSON FEDERAL 13N-18HZ AWB Ref Wellpath: HENRICKSON FEDERAL 13N-18HZ AWP |               |             |               |                |              |                |                |              |              |
|--|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| String/Diameter  | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
| 13.5in Open Hole   | 13.00         | 1026.00     | 1013.00       | 13.00          | 1025.99      | 0.00           | 0.00           | -2.65        | -0.33        |
| 9.625in Casing Surface   | 13.00         | 1019.00     | 1006.00       | 13.00          | 1018.99      | 0.00           | 0.00           | -2.65        | -0.32        |
| 8.75in Open Hole   | 1026.00       | 7610.00     | 6584.00       | 1025.99        | 7075.47      | -2.65          | -0.33          | -664.97      | 845.54       |
| 7in Casing Intermediate  | 13.00         | 7600.00     | 7587.00       | 13.00          | 7075.02      | 0.00           | 0.00           | -654.98      | 845.89       |
| 6.125in Open Hole  | 7600.00       | 13433.00    | 5833.00       | 7075.02        | 7075.55      | -654.98        | 845.89         | -6485.42     | 872.12       |

| REFERENCE WELLPATH IDENTIFICATION |                                 |          |  |
|-----------------------------------|---------------------------------|----------|--|
| Operator                          | KERR-MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07) |
| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

| TARGETS  |         |          |            |           |                   |                    |                |                 |         |
|--|---------|----------|------------|-----------|-------------------|--------------------|----------------|-----------------|---------|
| Name   | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude       | Longitude       | Shape   |
| SEC.07-T3N-R66W HARD LINES (460' SET BACKS)                                  |         | 4806.00  | 60.13      | 0.25      | 3187895.01        | 1329743.58         | 40°14'11.713"N | 104°49'37.103"W | polygon |
| SEC.07-T3N-R66W SECTION LINES  |         | 4806.00  | 60.13      | 0.25      | 3187895.01        | 1329743.58         | 40°14'11.713"N | 104°49'37.103"W | polygon |
| SEC.18-T3N-R66W HARD LINES (460' SET BACKS)                                  |         | 4806.00  | 60.13      | 0.25      | 3187895.01        | 1329743.58         | 40°14'11.713"N | 104°49'37.103"W | polygon |
| SEC.18-T3N-R66W SECTION LINES  |         | 4806.00  | -11524.81  | 2754.38   | 3190736.85        | 1318180.40         | 40°12'17.230"N | 104°49'01.607"W | polygon |
| HENRICKSON FEDERAL 13N-18HZ BHL ON PLAT (460' FSL & 957' FWL, SEC.18) REV-2  |         | 7056.00  | -6525.34   | 145.47    | 3188090.20        | 1323159.69         | 40°13'06.636"N | 104°49'35.231"W | point   |
| HENRICKSON FEDERAL 13N-18HZ BHL ON PLAT (460' FSL & 1684' FWL, SEC.18) REV-5 |         | 7076.00  | -6510.05   | 872.40    | 3188816.96        | 1323180.50         | 40°13'06.787"N | 104°49'25.860"W | point   |
| HENRICKSON FEDERAL 13N-18HZ BHL ON PLAT (460' FSL & 957' FWL, SEC.18) REV-1  |         | 7076.00  | -6525.34   | 145.45    | 3188090.18        | 1323159.69         | 40°13'06.636"N | 104°49'35.231"W | point   |
| HENRICKSON FEDERAL 13N-18HZ LANDBOX  |         | 7076.00  | 0.00       | 0.00      | 3187895.22        | 1329683.45         | 40°14'11.119"N | 104°49'37.106"W | polygon |
| HENRICKSON FEDERAL 13N-18HZ BHL (460' FSL & 1684' FWL, SEC.18) REV-4         |         | 7146.00  | -6525.34   | 872.47    | 3188817.14        | 1323165.21         | 40°13'06.636"N | 104°49'25.859"W | point   |
| HENRICKSON FEDERAL 13N-18HZ BHL ON PLAT (460' FSL & 1684' FWL, SEC.18) REV-4 |         | 7146.00  | -6510.05   | 872.40    | 3188816.96        | 1323180.50         | 40°13'06.787"N | 104°49'25.860"W | point   |
| HENRICKSON FEDERAL 13N-18HZ BHL ON PLAT (460' FSL & 957' FWL, SEC.18) REV-3  |         | 7146.00  | -6525.34   | 145.47    | 3188090.20        | 1323159.69         | 40°13'06.636"N | 104°49'35.231"W | point   |

| WELLPATH COMPOSITION - Ref Wellbore: HENRICKSON FEDERAL 13N-18HZ AWB    Ref Wellpath: HENRICKSON FEDERAL 13N-18HZ AWP |             |                                      |  |                                 |
|---|-------------|--------------------------------------|--|---------------------------------|
| Start MD [ft]   | End MD [ft] | Positional Uncertainty Model         | Log Name/Comment                             | Wellbore                        |
| 13.00   | 952.00      | Generic gyro - continuous (Standard) | MS ENERGY SERVICES GYRO SURVEYS <113-952>    | HENRICKSON FEDERAL 13N-18HZ AWB |
| 952.00  | 7551.00     | NaviTrak (MAGCORR,IFR)               | BHI MWD+IFR SURVEYS 8 3/4" HOLE <1086-7551>  | HENRICKSON FEDERAL 13N-18HZ AWB |
| 7551.00   | 13379.00    | NaviTrak (MAGCORR,IFR)               | BHI MWD+IFR SURVEYS 6 1/8" HOLE <7712-13379> | HENRICKSON FEDERAL 13N-18HZ AWB |
| 13379.00  | 13433.00    | Blind Drilling (std)                 | Projection to bit                            | HENRICKSON FEDERAL 13N-18HZ AWB |

| REFERENCE WELLPATH IDENTIFICATION |                                 |          |  |
|-----------------------------------|---------------------------------|----------|--|
| Operator                          | KERR-MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#26 HENRICKSON FEDERAL 13N-18HZ (1706' FSL & 814' FWL, SEC.07) |
| Area                              | COLORADO                        | Well     | HENRICKSON FEDERAL 13N-18HZ  |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | HENRICKSON FEDERAL 13N-18HZ AWB                                    |
| Facility                          | SEC.07-T3N-R66W                 |          |  |

| WELLPATH COMMENTS |                    |                |             |                           |  |
|-------------------|--------------------|----------------|-------------|---------------------------|--|
| MD<br>[ft]        | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Comment                   |  |
| 13.00             | 0.000              | 60.850         | 13.00       | Tie-On                    |  |
| 113.00            | 0.170              | 60.850         | 113.00      | Begin GYRO Surveys        |  |
| 952.00            | 0.330              | 198.740        | 951.99      | Tie-Into GYRO Surveys     |  |
| 1086.00           | 0.350              | 356.110        | 1085.99     | Begin BHI MWD+IFR Surveys |  |
| 7600.00           | 87.322             | 182.015        | 7075.02     | 7" Casing Point           |  |
| 13379.00          | 89.070             | 180.200        | 7074.67     | Last BHI MWD+IFR Surveys  |  |
| 13433.00          | 89.070             | 180.200        | 7075.55     | Projection to Bit         |  |