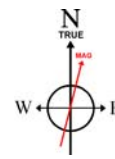
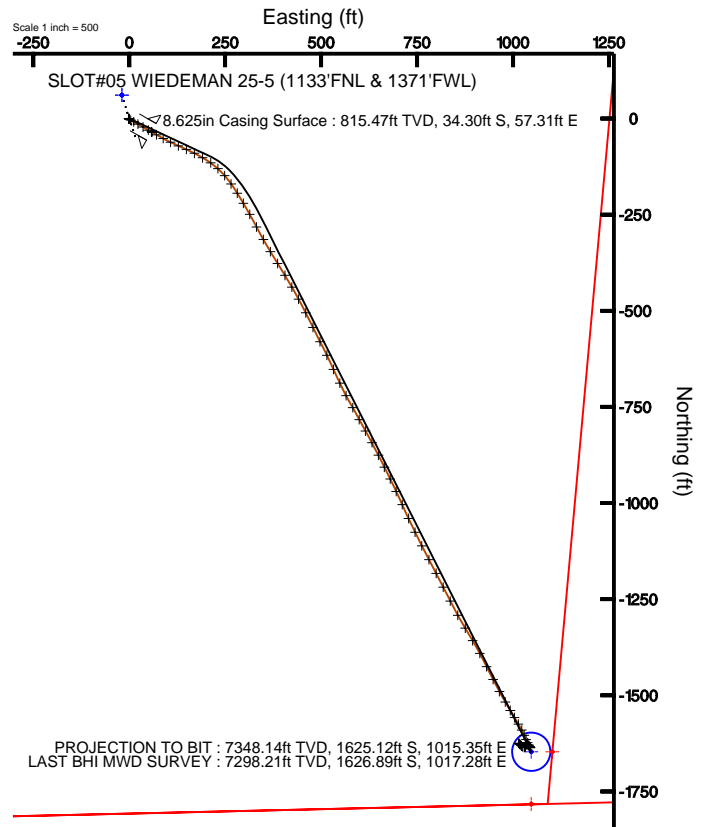
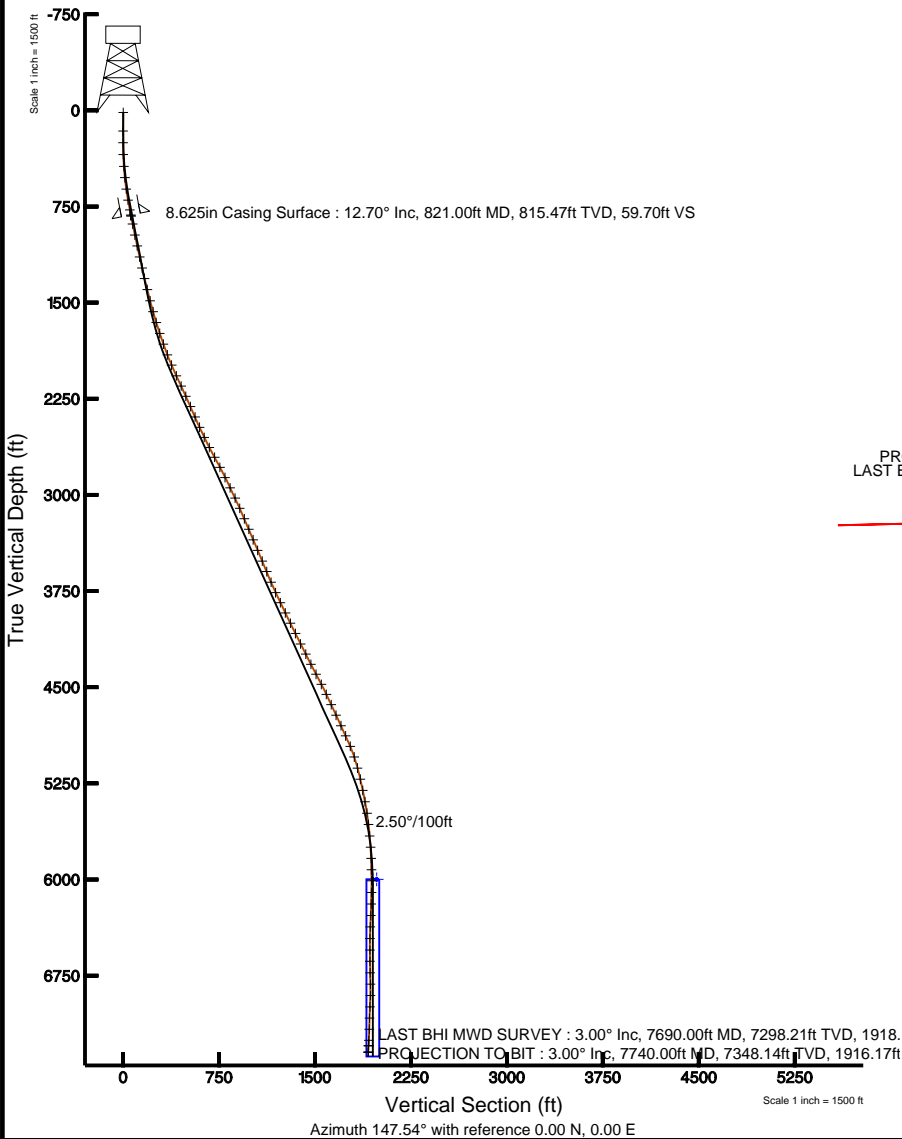


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#05 WIEDEMAN 25-5 (1133'FNL & 1371'FWL)  
 Field: WELD COUNTY (KERR MCGEE) Well: WIEDEMAN 25-5  
 Facility: SEC.05-T5N-R66W Wellbore: WIEDEMAN 25-5 PWB



|  |  |
|--|--|
| Plot reference wellpath is WIEDEMAN 25-5 (REV-A.0) PWP         |  |
| True vertical depths are referenced to XTREME 6 (RKB)          | Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet |
| Measured depths are referenced to XTREME 6 (RKB)               | North Reference: True north  |
| XTREME 6 (RKB) to Mean Sea Level: 4769 feet                    | Scale: True distance   |
| Mean Sea Level to Mud line (Facility: SEC.05-T5N-R66W): 0 feet | Depths are in feet   |
| Coordinates are in feet referenced to Slot                     | Created by: cookdamm on 1/14/2011  |



BGGM (1945.0 to 2012.0) Dip: 67.10° Field: 53228.9 nT  
 Magnetic North is 8.93 degrees East of True North (at 11/19/2010)

To correct azimuth from Magnetic to True add 8.93 degrees  
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 8.93 = 98.93



# Actual Wellpath Report

WIEDEMAN 25-5 awp

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |  |          |  |
|----------|--|----------|--|
| Operator | <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b> | Slot     | <b>SLOT#05 WIEDEMAN 25-5 (1133'FNL &amp; 1371'FWL)</b> |
| Area     | <b>COLORADO</b>                            | Well     | <b>WIEDEMAN 25-5</b>                                   |
| Field    | <b>WELD COUNTY (KERR MCGEE)</b>            | Wellbore | <b>WIEDEMAN 25-5 awb</b>                               |
| Facility | <b>SEC.05-T5N-R66W</b>                     |          |  |

## REPORT SETUP INFORMATION

|                     |  |                      |  |
|---------------------|--|----------------------|--|
| Projection System   | <b>NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet</b> | Software System      | <b>WellArchitect@ 2.0</b>                  |
| North Reference     | <b>True</b>  | User                 | <b>Cookdanm</b>                            |
| Scale               | <b>0.999962</b>  | Report Generated     | <b>1/14/2011 at 2:19:56 PM</b>             |
| Convergence at slot | <b>0.45° East</b>  | Database/Source file | <b>Denver Server/WIEDEMAN_25-5_awb.xml</b> |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates  |                   | Geographic coordinates |                        |
|-----------------------|-------------------|----------|-------------------|-------------------|------------------------|------------------------|
|                       | North[ft]         | East[ft] | Easting[USft]     | Northing[USft]    | Latitude               | Longitude              |
| Slot Location         | -61.20            | 19.49    | 3192931.21        | 1401697.23        | <b>40°26'02.368"N</b>  | <b>104°48'24.912"W</b> |
| Facility Reference Pt |                   |          | 3192911.25        | 1401758.28        | <b>40°26'02.972"N</b>  | <b>104°48'25.164"W</b> |
| 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       | <b>Minimum curvature</b> | XTREME 6 (RKB) to Facility Vertical Datum      | <b>4769.00ft</b>         |
| Horizontal Reference Pt  | <b>Slot</b>              | XTREME 6 (RKB) to Mean Sea Level               | <b>4769.00ft</b>         |
| Vertical Reference Pt    | <b>XTREME 6 (RKB)</b>    | Facility Vertical Datum to Mud Line (Facility) | <b>0.00ft</b>            |
| MD Reference Pt          | <b>XTREME 6 (RKB)</b>    | Section Origin                                 | <b>N 0.00, E 0.00 ft</b> |
| Field Vertical Reference | <b>Mean Sea Level</b>    | Section Azimuth                                | <b>147.54°</b>           |



# Actual Wellpath Report

WIEDEMAN 25-5 awp

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| REFERENCE WELLPATH IDENTIFICATION |                                 |          |   |
|-----------------------------------|---------------------------------|----------|---|
| Operator                          | KERR MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#05 WIEDEMAN 25-5 (1133'FNL & 1371'FWL) |
| Area                              | COLORADO                        | Well     | WIEDEMAN 25-5                               |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | WIEDEMAN 25-5 awb                           |
| Facility                          | SEC.05-T5N-R66W                 |          |   |

| WELLPATH DATA (90 stations) † = interpolated/extrapolated station |                 |             |          |                |            |           |               |          |
|---|-----------------|-------------|----------|----------------|------------|-----------|---------------|----------|
| MD [ft]   | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
| 0.00†   | 0.000           | 278.900     | 0.00     | 0.00           | 0.00       | 0.00      | 0.00          |          |
| 16.00   | 0.000           | 278.900     | 16.00    | 0.00           | 0.00       | 0.00      | 0.00          |          |
| 160.00  | 1.100           | 278.900     | 159.99   | -0.91          | 0.21       | -1.37     | 0.76          |          |
| 252.00  | 0.400           | 172.100     | 251.99   | -1.20          | 0.03       | -2.19     | 1.39          |          |
| 344.00  | 1.930           | 126.000     | 343.96   | 0.53           | -1.20      | -0.90     | 1.82          |          |
| 437.00  | 4.800           | 118.300     | 436.80   | 5.38           | -3.96      | 3.80      | 3.12          |          |
| 524.00  | 6.900           | 119.300     | 523.34   | 13.16          | -8.25      | 11.56     | 2.42          |          |
| 615.00  | 8.800           | 119.700     | 613.48   | 24.13          | -14.37     | 22.38     | 2.09          |          |
| 703.00  | 11.200          | 119.700     | 700.14   | 37.65          | -21.94     | 35.65     | 2.73          |          |
| 781.00  | 12.700          | 119.700     | 776.44   | 51.93          | -29.94     | 49.68     | 1.92          |          |
| 831.00  | 12.700          | 119.700     | 825.22   | 61.65          | -35.39     | 59.22     | 0.00          |          |
| 893.00  | 12.300          | 119.700     | 885.75   | 73.51          | -42.04     | 70.88     | 0.65          |          |
| 982.00  | 13.600          | 118.300     | 972.49   | 91.03          | -51.70     | 88.33     | 1.50          |          |
| 1069.00   | 15.000          | 116.000     | 1056.79  | 109.55         | -61.48     | 107.46    | 1.74          |          |
| 1158.00   | 14.200          | 113.000     | 1142.92  | 128.36         | -70.80     | 127.86    | 1.24          |          |
| 1247.00   | 15.600          | 114.400     | 1228.92  | 147.37         | -80.00     | 148.80    | 1.62          |          |
| 1333.00   | 15.500          | 117.900     | 1311.78  | 167.04         | -90.16     | 169.49    | 1.10          |          |
| 1422.00   | 16.300          | 119.300     | 1397.37  | 188.38         | -101.84    | 190.89    | 1.00          |          |
| 1513.00   | 15.400          | 125.000     | 1484.91  | 210.79         | -115.02    | 211.93    | 1.97          |          |
| 1602.00   | 16.200          | 131.600     | 1570.56  | 233.64         | -130.04    | 230.89    | 2.21          |          |
| 1690.00   | 17.400          | 140.100     | 1654.81  | 258.50         | -148.29    | 248.52    | 3.10          |          |
| 1779.00   | 18.500          | 144.300     | 1739.48  | 285.79         | -169.96    | 265.29    | 1.91          |          |
| 1868.00   | 19.300          | 148.200     | 1823.69  | 314.60         | -193.93    | 281.29    | 1.68          |          |
| 1957.00   | 21.300          | 149.200     | 1907.16  | 345.47         | -220.32    | 297.31    | 2.28          |          |
| 2044.00   | 23.500          | 151.000     | 1987.59  | 378.58         | -249.07    | 313.82    | 2.65          |          |
| 2135.00   | 25.000          | 152.400     | 2070.56  | 415.85         | -281.98    | 331.52    | 1.77          |          |
| 2223.00   | 24.800          | 149.900     | 2150.38  | 452.82         | -314.43    | 349.39    | 1.22          |          |
| 2311.00   | 24.200          | 150.300     | 2230.46  | 489.28         | -346.06    | 367.59    | 0.71          |          |
| 2399.00   | 24.000          | 146.800     | 2310.79  | 525.19         | -376.70    | 386.32    | 1.64          |          |
| 2488.00   | 24.600          | 149.200     | 2391.91  | 561.81         | -407.76    | 405.72    | 1.30          |          |
| 2576.00   | 23.000          | 150.300     | 2472.42  | 597.29         | -438.43    | 423.62    | 1.89          |          |
| 2663.00   | 25.600          | 150.900     | 2551.70  | 633.04         | -469.62    | 441.18    | 3.00          |          |
| 2751.00   | 28.800          | 153.400     | 2629.97  | 673.12         | -505.20    | 459.93    | 3.86          |          |
| 2838.00   | 29.400          | 154.100     | 2705.98  | 715.18         | -543.15    | 478.64    | 0.79          |          |
| 2927.00   | 26.200          | 152.700     | 2784.70  | 756.46         | -580.27    | 497.20    | 3.67          |          |
| 3016.00   | 26.500          | 153.800     | 2864.46  | 795.76         | -615.54    | 514.97    | 0.64          |          |
| 3106.00   | 27.200          | 156.200     | 2944.75  | 836.06         | -652.38    | 532.14    | 1.43          |          |
| 3195.00   | 25.500          | 154.100     | 3024.51  | 875.21         | -688.23    | 548.72    | 2.18          |          |
| 3283.00   | 23.300          | 152.400     | 3104.64  | 911.37         | -720.70    | 565.06    | 2.62          |          |
| 3372.00   | 24.000          | 149.600     | 3186.17  | 947.00         | -751.91    | 582.37    | 1.49          |          |
| 3461.00   | 22.900          | 153.000     | 3267.82  | 982.33         | -782.95    | 599.39    | 1.96          |          |
| 3550.00   | 22.000          | 150.000     | 3350.08  | 1016.22        | -812.82    | 615.59    | 1.64          |          |
| 3640.00   | 23.000          | 151.000     | 3433.23  | 1050.61        | -842.80    | 632.55    | 1.19          |          |
| 3731.00   | 24.400          | 154.100     | 3516.55  | 1087.04        | -875.26    | 649.38    | 2.06          |          |
| 3820.00   | 22.200          | 153.800     | 3598.29  | 1122.02        | -906.88    | 664.83    | 2.48          |          |



# Actual Wellpath Report

WIEDEMAN 25-5 awp

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| REFERENCE WELLPATH IDENTIFICATION |                                 |          |   |
|-----------------------------------|---------------------------------|----------|---|
| Operator                          | KERR MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#05 WIEDEMAN 25-5 (1133'FNL & 1371'FWL) |
| Area                              | COLORADO                        | Well     | WIEDEMAN 25-5                               |
| Field                             | WELD COUNTY (KERR MCGEE)        | Wellbore | WIEDEMAN 25-5 awb                           |
| Facility                          | SEC.05-T5N-R66W                 |          |   |

| WELLPATH DATA (90 stations) |                 |             |          |                |            |           |               |                     |
|-----------------------------|-----------------|-------------|----------|----------------|------------|-----------|---------------|---------------------|
| MD [ft]                     | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments            |
| 3910.00                     | 22.400          | 153.100     | 3681.56  | 1155.99        | -937.43    | 680.10    | 0.37          |                     |
| 3999.00                     | 25.300          | 155.200     | 3762.95  | 1191.72        | -969.83    | 695.75    | 3.39          |                     |
| 4086.00                     | 26.200          | 155.200     | 3841.31  | 1229.18        | -1004.14   | 711.60    | 1.03          |                     |
| 4175.00                     | 26.500          | 155.900     | 3921.06  | 1268.30        | -1040.10   | 727.95    | 0.49          |                     |
| 4264.00                     | 26.500          | 154.100     | 4000.72  | 1307.67        | -1076.08   | 744.73    | 0.90          |                     |
| 4354.00                     | 25.700          | 153.100     | 4081.54  | 1347.04        | -1111.55   | 762.33    | 1.01          |                     |
| 4445.00                     | 26.800          | 151.300     | 4163.15  | 1387.15        | -1147.14   | 781.11    | 1.49          |                     |
| 4534.00                     | 27.300          | 153.000     | 4242.42  | 1427.49        | -1182.93   | 800.01    | 1.03          |                     |
| 4623.00                     | 26.600          | 153.100     | 4321.75  | 1467.64        | -1218.88   | 818.30    | 0.79          |                     |
| 4711.00                     | 28.500          | 153.100     | 4399.77  | 1508.15        | -1255.18   | 836.71    | 2.16          |                     |
| 4800.00                     | 27.500          | 151.000     | 4478.35  | 1549.79        | -1292.09   | 856.28    | 1.58          |                     |
| 4887.00                     | 25.300          | 149.000     | 4556.28  | 1588.43        | -1325.60   | 875.59    | 2.73          |                     |
| 4976.00                     | 25.000          | 149.200     | 4636.84  | 1626.24        | -1358.05   | 895.02    | 0.35          |                     |
| 5067.00                     | 24.400          | 152.400     | 4719.52  | 1664.19        | -1391.23   | 913.57    | 1.61          |                     |
| 5157.00                     | 26.400          | 153.100     | 4800.81  | 1702.64        | -1425.55   | 931.24    | 2.25          |                     |
| 5245.00                     | 24.000          | 153.100     | 4880.43  | 1739.93        | -1458.96   | 948.19    | 2.73          |                     |
| 5334.00                     | 23.100          | 151.300     | 4962.02  | 1775.36        | -1490.42   | 964.77    | 1.29          |                     |
| 5423.00                     | 18.000          | 150.300     | 5045.33  | 1806.54        | -1517.69   | 979.97    | 5.74          |                     |
| 5513.00                     | 15.000          | 147.500     | 5131.62  | 1832.08        | -1539.60   | 993.12    | 3.45          |                     |
| 5603.00                     | 13.000          | 151.000     | 5218.94  | 1853.84        | -1558.28   | 1004.29   | 2.41          |                     |
| 5692.00                     | 12.300          | 148.000     | 5305.78  | 1873.31        | -1575.07   | 1014.17   | 1.08          |                     |
| 5782.00                     | 10.400          | 153.800     | 5394.02  | 1890.97        | -1590.49   | 1022.83   | 2.46          |                     |
| 5873.00                     | 9.100           | 155.900     | 5483.70  | 1906.26        | -1604.43   | 1029.40   | 1.48          |                     |
| 5962.00                     | 6.100           | 154.500     | 5571.91  | 1917.92        | -1615.13   | 1034.31   | 3.38          |                     |
| 6052.00                     | 5.600           | 152.600     | 5661.44  | 1927.04        | -1623.34   | 1038.39   | 0.60          |                     |
| 6140.00                     | 3.900           | 150.300     | 5749.14  | 1934.30        | -1629.76   | 1041.85   | 1.94          |                     |
| 6227.00                     | 2.100           | 152.700     | 5836.01  | 1938.85        | -1633.74   | 1044.05   | 2.07          |                     |
| 6316.00                     | 1.000           | 147.800     | 5924.98  | 1941.25        | -1635.85   | 1045.21   | 1.24          |                     |
| 6402.00                     | 0.100           | 191.400     | 6010.97  | 1942.05        | -1636.56   | 1045.59   | 1.08          |                     |
| 6493.00                     | 1.100           | 315.800     | 6101.97  | 1941.26        | -1636.01   | 1044.97   | 1.27          |                     |
| 6583.00                     | 1.900           | 319.400     | 6191.94  | 1938.93        | -1634.26   | 1043.40   | 0.89          |                     |
| 6673.00                     | 2.600           | 318.700     | 6281.87  | 1935.44        | -1631.59   | 1041.08   | 0.78          |                     |
| 6762.00                     | 2.700           | 305.700     | 6370.77  | 1931.50        | -1628.85   | 1038.04   | 0.68          |                     |
| 6853.00                     | 0.900           | 223.100     | 6461.73  | 1929.69        | -1628.12   | 1035.81   | 3.00          |                     |
| 6943.00                     | 1.100           | 284.600     | 6551.72  | 1929.23        | -1628.42   | 1034.49   | 1.15          |                     |
| 7030.00                     | 1.400           | 222.300     | 6638.71  | 1928.90        | -1629.00   | 1032.97   | 1.52          |                     |
| 7121.00                     | 2.600           | 168.200     | 6729.66  | 1931.12        | -1631.84   | 1032.64   | 2.32          |                     |
| 7209.00                     | 1.600           | 224.400     | 6817.60  | 1933.27        | -1634.67   | 1032.19   | 2.46          |                     |
| 7298.00                     | 2.000           | 265.900     | 6906.56  | 1932.81        | -1635.67   | 1029.77   | 1.49          |                     |
| 7387.00                     | 4.000           | 297.600     | 6995.44  | 1929.39        | -1634.34   | 1025.47   | 2.84          |                     |
| 7474.00                     | 0.900           | 341.500     | 7082.36  | 1926.09        | -1632.29   | 1022.57   | 3.92          |                     |
| 7561.00                     | 2.000           | 312.000     | 7169.33  | 1923.97        | -1630.62   | 1021.22   | 1.49          |                     |
| 7648.00                     | 2.500           | 314.400     | 7256.26  | 1920.66        | -1628.28   | 1018.74   | 0.58          |                     |
| 7690.00                     | 3.000           | 312.700     | 7298.21  | 1918.70        | -1626.89   | 1017.28   | 1.21          | LAST BHI MWD SURVEY |
| 7740.00                     | 3.000           | 312.700     | 7348.14  | 1916.17        | -1625.12   | 1015.35   | 0.00          | PROJECTION TO BIT   |



# Actual Wellpath Report

WIEDEMAN 25-5 awp

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                                 |          |   |
|----------|---------------------------------|----------|---|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#05 WIEDEMAN 25-5 (1133'FNL & 1371'FWL) |
| Area     | COLORADO                        | Well     | WIEDEMAN 25-5                               |
| Field    | WELD COUNTY (KERR MCGEE)        | Wellbore | WIEDEMAN 25-5 awb                           |
| Facility | SEC.05-T5N-R66W                 |          |   |

## HOLE & CASING SECTIONS Ref Wellbore: WIEDEMAN 25-5 awb Ref Wellpath: WIEDEMAN 25-5 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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole      | 16.00         | 831.00      | 815.00        | 16.00          | 825.22       | 0.00           | 0.00           | -35.39       | 59.22        |
| 8.625in Casing Surface | 16.00         | 821.00      | 805.00        | 16.00          | 815.47       | 0.00           | 0.00           | -34.30       | 57.31        |
| 7.875in Open Hole      | 821.00        | 7740.00     | 6919.00       | 815.47         | 7348.14      | -34.30         | 57.31          | -1625.12     | 1015.35      |

## TARGETS

| Name   | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [srv ft] | Grid North [srv ft] | Latitude       | Longitude       | Shape   |
|--|---------|----------|------------|-----------|--------------------|---------------------|----------------|-----------------|---------|
| WIEDEMAN 18-5 PAD QUARTER SECTION LINES                          |         | 1.00     | 61.20      | -19.49    | 3192911.25         | 1401758.28          | 40°26'02.972"N | 104°48'25.164"W | polygon |
| WIEDEMAN 18-5 PAD SECTION LINES                                  |         | 1.00     | 61.20      | -19.49    | 3192911.25         | 1401758.28          | 40°26'02.972"N | 104°48'25.164"W | polygon |
| WIEDEMAN 25-5 GEO TARGET 50' RADIUS (2800'FNL & 2575'FWL, REV-1) |         | 6000.00  | -1647.04   | 1047.62   | 3193991.63         | 1400058.49          | 40°25'46.092"N | 104°48'11.365"W | circle  |
| WIEDEMAN 25-5 HARDLINE 55'E OF GEO TARGET                        |         | 6000.00  | -1647.04   | 1102.62   | 3194046.62         | 1400058.92          | 40°25'46.092"N | 104°48'10.654"W | point   |
| WIEDEMAN 25-5 HARDLINE 136'S OF GEO TARGET                       |         | 6000.00  | -1783.04   | 1047.62   | 3193992.69         | 1399922.50          | 40°25'44.748"N | 104°48'11.365"W | point   |

## WELLPATH COMPOSITION Ref Wellbore: WIEDEMAN 25-5 awb Ref Wellpath: WIEDEMAN 25-5 awp

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment                      | Wellbore          |
|---------------|-------------|------------------------------|---------------------------------------|-------------------|
| 16.00         | 831.00      | NaviTrak (Standard)          | BHI MWD SURVEYS 12.25 HOLE <160-831>  | WIEDEMAN 25-5 awb |
| 831.00        | 7690.00     | NaviTrak (Standard)          | BHI MWD SURVEYS 7.875 HOL E<893-7690> | WIEDEMAN 25-5 awb |
| 7690.00       | 7740.00     | Blind Drilling (std)         | Projection to bit                     | WIEDEMAN 25-5 awb |



# Actual Wellpath Report

WIEDEMAN 25-5 awp

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                                 |          |   |
|----------|---------------------------------|----------|---|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot     | SLOT#05 WIEDEMAN 25-5 (1133'FNL & 1371'FWL) |
| Area     | COLORADO                        | Well     | WIEDEMAN 25-5                               |
| Field    | WELD COUNTY (KERR MCGEE)        | Wellbore | WIEDEMAN 25-5 awb                           |
| Facility | SEC.05-T5N-R66W                 |          |   |

## WELLPATH COMMENTS

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment             |
|---------|-----------------|-------------|----------|---------------------|
| 7690.00 | 3.000           | 312.700     | 7298.21  | LAST BHI MWD SURVEY |
| 7740.00 | 3.000           | 312.700     | 7348.14  | PROJECTION TO BIT   |