

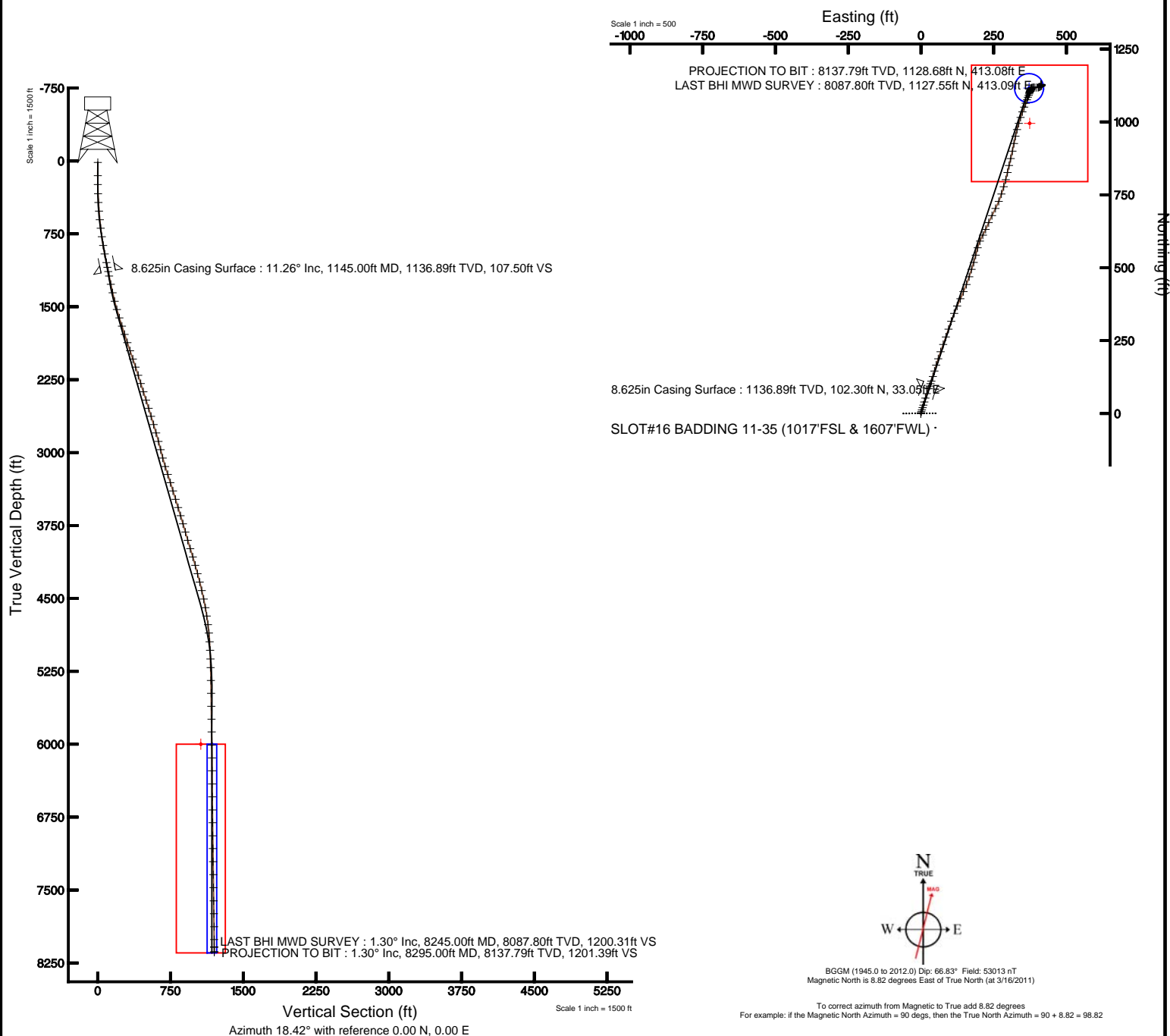


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#16 BADDING 11-35 (1017FSL & 1607FWL)
Field: WELD COUNTY (KERR MCGEE) Well: BADDING 11-35
Facility: SEC.35-T2N-R66W Wellbore: BADDING 11-35 PWB



| | |
|---|--|
| Plot reference wellpath is BADDING 11-35 (REV-A.1) PWP | |
| True vertical depths are referenced to XTREME 15 (RKB) | Grid System: NAD83 Lambert Colorado SP, Northern Zone (501), US feet |
| Measured depths are referenced to XTREME 15 (RKB) | North Reference: True north |
| XTREME 15 (RKB) to Mean Sea Level: 5123 feet | Scale: True distance |
| Mean Sea Level to Mud line (At Slot: SLOT#16 BADDING 11-35 (1017FSL & 1607FWL)): 0 feet | Depths are in feet |
| Coordinates are in feet referenced to Slot | Created by: cooldam on 6/28/2011 |





Actual Wellpath Report

BADDING 11-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|--|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot | SLOT#16 BADDING 11-35 (1017'FSL & 1607'FWL) |
| Area | COLORADO | Well | BADDING 11-35 |
| Field | WELD COUNTY (KERR MCGEE) | Wellbore | BADDING 11-35 AWB |
| Facility | SEC.35-T2N-R66W | | |

REPORT SETUP INFORMATION

| | | | |
|---------------------|--|----------------------|--|
| Projection System | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System | WellArchitect® 3.0.0 |
| North Reference | True | User | Cookdanm |
| Scale | 0.999961 | Report Generated | 6/28/2011 at 9:29:53 AM |
| Convergence at slot | 0.49° East | Database/Source file | WA_DENVER/BADDING_11-35_AWB.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|-------------------|-------------------|------------------------|------------------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | 75.49 | -2038.59 | 3210397.98 | 1276562.40 | 40°05'24.382"N | 104°44'52.757"W |
| Facility Reference Pt | | | 3212437.05 | 1276504.37 | 40°05'23.636"N | 104°44'26.527"W |
| Field Reference Pt | | | 3197771.84 | 1268891.29 | 40°04'09.600"N | 104°47'36.000"W |

WELLPATH DATUM

| | | | |
|--------------------------|--------------------------|---|--------------------------|
| Calculation method | Minimum curvature | XTREME 15 (RKB) to Facility Vertical Datum | 5123.00ft |
| Horizontal Reference Pt | Slot | XTREME 15 (RKB) to Mean Sea Level | 5123.00ft |
| Vertical Reference Pt | XTREME 15 (RKB) | XTREME 15 (RKB) to Mud Line at Slot (SLOT#16 BADDING 11-35 (1017'FSL & 1607'FWL)) | 5123.00ft |
| MD Reference Pt | XTREME 15 (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 18.42° |



Actual Wellpath Report

BADDING 11-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|---------------------------------|----------|---|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot | SLOT#16 BADDING 11-35 (1017'FSL & 1607'FWL) |
| Area | COLORADO | Well | BADDING 11-35 |
| Field | WELD COUNTY (KERR MCGEE) | Wellbore | BADDING 11-35 AWB |
| Facility | SEC.35-T2N-R66W | | |

WELLPATH DATA (85 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|----------|
| 0.00† | 0.000 | 217.300 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15.00 | 0.000 | 217.300 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 150.00 | 0.400 | 217.300 | 150.00 | -0.45 | -0.37 | -0.29 | 0.30 | |
| 242.00 | 0.900 | 13.400 | 242.00 | -0.03 | 0.07 | -0.31 | 1.39 | |
| 337.00 | 1.900 | 17.600 | 336.97 | 2.29 | 2.30 | 0.34 | 1.06 | |
| 427.00 | 3.400 | 13.700 | 426.87 | 6.44 | 6.31 | 1.42 | 1.68 | |
| 516.00 | 4.700 | 20.400 | 515.64 | 12.71 | 12.30 | 3.32 | 1.55 | |
| 605.00 | 5.400 | 18.700 | 604.30 | 20.55 | 19.68 | 5.93 | 0.80 | |
| 692.00 | 6.700 | 16.500 | 690.81 | 29.71 | 28.43 | 8.68 | 1.52 | |
| 781.00 | 8.000 | 15.500 | 779.08 | 41.09 | 39.37 | 11.81 | 1.47 | |
| 871.00 | 9.800 | 15.100 | 867.99 | 54.99 | 52.80 | 15.48 | 2.00 | |
| 960.00 | 10.700 | 19.000 | 955.57 | 70.81 | 67.93 | 20.15 | 1.28 | |
| 1051.00 | 11.900 | 22.200 | 1044.81 | 88.62 | 84.60 | 26.44 | 1.49 | |
| 1100.00 | 11.600 | 20.100 | 1092.78 | 98.59 | 93.91 | 30.04 | 1.07 | |
| 1192.00 | 10.900 | 18.300 | 1183.01 | 116.53 | 110.85 | 35.95 | 0.85 | |
| 1279.00 | 11.600 | 18.000 | 1268.34 | 133.51 | 126.98 | 41.24 | 0.81 | |
| 1368.00 | 13.200 | 14.400 | 1355.26 | 152.59 | 145.33 | 46.53 | 2.00 | |
| 1458.00 | 14.300 | 17.600 | 1442.68 | 173.96 | 165.88 | 52.45 | 1.49 | |
| 1546.00 | 15.800 | 18.300 | 1527.66 | 196.81 | 187.62 | 59.50 | 1.72 | |
| 1636.00 | 17.100 | 19.000 | 1613.98 | 222.29 | 211.76 | 67.65 | 1.46 | |
| 1725.00 | 17.600 | 20.400 | 1698.93 | 248.82 | 236.75 | 76.60 | 0.73 | |
| 1814.00 | 18.300 | 19.000 | 1783.59 | 276.24 | 262.57 | 85.84 | 0.92 | |
| 1903.00 | 18.500 | 18.300 | 1868.04 | 304.33 | 289.19 | 94.82 | 0.33 | |
| 1992.00 | 19.000 | 20.100 | 1952.32 | 332.94 | 316.20 | 104.24 | 0.86 | |
| 2082.00 | 18.300 | 20.800 | 2037.60 | 361.70 | 343.17 | 114.29 | 0.82 | |
| 2169.00 | 18.400 | 23.400 | 2120.17 | 389.02 | 368.54 | 124.59 | 0.95 | |
| 2258.00 | 17.600 | 24.300 | 2204.82 | 416.40 | 393.69 | 135.71 | 0.95 | |
| 2347.00 | 17.200 | 23.200 | 2289.74 | 442.90 | 418.05 | 146.43 | 0.58 | |
| 2435.00 | 18.000 | 22.800 | 2373.62 | 469.43 | 442.54 | 156.82 | 0.92 | |
| 2526.00 | 17.800 | 15.500 | 2460.23 | 497.34 | 468.91 | 165.99 | 2.47 | |
| 2614.00 | 17.500 | 19.200 | 2544.09 | 524.00 | 494.37 | 173.94 | 1.32 | |
| 2700.00 | 16.400 | 16.200 | 2626.35 | 549.06 | 518.24 | 181.58 | 1.63 | |
| 2789.00 | 17.300 | 14.800 | 2711.53 | 574.83 | 543.10 | 188.46 | 1.11 | |
| 2879.00 | 16.500 | 13.700 | 2797.65 | 600.92 | 568.46 | 194.91 | 0.96 | |
| 2969.00 | 15.100 | 25.300 | 2884.27 | 625.30 | 591.48 | 202.95 | 3.83 | |
| 3058.00 | 14.500 | 27.800 | 2970.31 | 647.81 | 611.82 | 213.10 | 0.98 | |
| 3146.00 | 14.300 | 23.200 | 3055.55 | 669.51 | 631.55 | 222.52 | 1.32 | |
| 3237.00 | 17.900 | 25.300 | 3142.97 | 694.60 | 654.53 | 232.93 | 4.01 | |
| 3323.00 | 18.400 | 25.300 | 3224.69 | 721.19 | 678.75 | 244.37 | 0.58 | |
| 3412.00 | 17.400 | 26.800 | 3309.38 | 748.31 | 703.33 | 256.38 | 1.24 | |
| 3501.00 | 17.500 | 23.200 | 3394.29 | 774.81 | 727.51 | 267.65 | 1.22 | |
| 3591.00 | 17.600 | 16.600 | 3480.11 | 801.89 | 752.99 | 276.87 | 2.21 | |
| 3680.00 | 16.400 | 18.000 | 3565.22 | 827.91 | 777.83 | 284.60 | 1.42 | |
| 3768.00 | 17.100 | 14.800 | 3649.48 | 853.24 | 802.16 | 291.74 | 1.32 | |
| 3855.00 | 16.700 | 13.000 | 3732.73 | 878.45 | 826.70 | 297.82 | 0.76 | |



Actual Wellpath Report

BADDING 11-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|---------------------------------|----------|---|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot | SLOT#16 BADDING 11-35 (1017'FSL & 1607'FWL) |
| Area | COLORADO | Well | BADDING 11-35 |
| Field | WELD COUNTY (KERR MCGEE) | Wellbore | BADDING 11-35 AWB |
| Facility | SEC.35-T2N-R66W | | |

WELLPATH DATA (85 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|---------------------|
| 3943.00 | 15.600 | 10.900 | 3817.25 | 902.77 | 850.64 | 302.90 | 1.42 | |
| 4032.00 | 16.500 | 15.900 | 3902.79 | 927.26 | 874.55 | 308.63 | 1.85 | |
| 4122.00 | 17.400 | 11.600 | 3988.88 | 953.40 | 900.03 | 314.83 | 1.71 | |
| 4211.00 | 17.100 | 10.600 | 4073.88 | 979.57 | 925.92 | 319.92 | 0.47 | |
| 4300.00 | 16.200 | 12.300 | 4159.15 | 1004.88 | 950.91 | 324.97 | 1.15 | |
| 4390.00 | 14.400 | 14.400 | 4245.95 | 1028.53 | 974.02 | 330.43 | 2.09 | |
| 4479.00 | 14.100 | 16.900 | 4332.22 | 1050.40 | 995.11 | 336.33 | 0.77 | |
| 4569.00 | 13.500 | 17.300 | 4419.62 | 1071.87 | 1015.63 | 342.64 | 0.68 | |
| 4659.00 | 12.300 | 19.700 | 4507.34 | 1091.95 | 1034.69 | 349.00 | 1.46 | |
| 4749.00 | 9.900 | 21.100 | 4595.65 | 1109.27 | 1050.94 | 355.01 | 2.68 | |
| 4836.00 | 9.000 | 21.500 | 4681.47 | 1123.54 | 1064.24 | 360.20 | 1.04 | |
| 4925.00 | 7.000 | 19.700 | 4769.60 | 1135.91 | 1075.83 | 364.58 | 2.26 | |
| 5012.00 | 5.500 | 18.700 | 4856.08 | 1145.38 | 1084.77 | 367.70 | 1.73 | |
| 5102.00 | 3.900 | 26.800 | 4945.78 | 1152.72 | 1091.59 | 370.47 | 1.92 | |
| 5190.00 | 2.900 | 11.600 | 5033.62 | 1157.89 | 1096.44 | 372.27 | 1.52 | |
| 5280.00 | 1.900 | 17.300 | 5123.54 | 1161.65 | 1100.09 | 373.17 | 1.14 | |
| 5369.00 | 0.800 | 19.700 | 5212.52 | 1163.74 | 1102.09 | 373.81 | 1.24 | |
| 5501.00 | 0.900 | 11.300 | 5344.50 | 1165.69 | 1103.97 | 374.33 | 0.12 | |
| 5633.00 | 1.100 | 19.400 | 5476.48 | 1167.99 | 1106.18 | 374.95 | 0.19 | |
| 5767.00 | 1.000 | 40.500 | 5610.46 | 1170.36 | 1108.29 | 376.14 | 0.30 | |
| 5899.00 | 0.900 | 39.800 | 5742.44 | 1172.39 | 1109.96 | 377.55 | 0.08 | |
| 6031.00 | 0.600 | 36.900 | 5874.43 | 1174.01 | 1111.31 | 378.63 | 0.23 | |
| 6165.00 | 0.700 | 2.100 | 6008.42 | 1175.46 | 1112.69 | 379.08 | 0.30 | |
| 6298.00 | 0.600 | 358.600 | 6141.42 | 1176.90 | 1114.19 | 379.09 | 0.08 | |
| 6430.00 | 0.400 | 44.000 | 6273.41 | 1177.96 | 1115.22 | 379.40 | 0.32 | |
| 6566.00 | 0.600 | 43.300 | 6409.41 | 1179.04 | 1116.08 | 380.21 | 0.15 | |
| 6699.00 | 1.100 | 70.700 | 6542.39 | 1180.45 | 1117.01 | 381.90 | 0.47 | |
| 6833.00 | 1.600 | 74.900 | 6676.35 | 1182.27 | 1117.92 | 384.92 | 0.38 | |
| 6964.00 | 1.100 | 90.700 | 6807.32 | 1183.66 | 1118.38 | 387.94 | 0.47 | |
| 7099.00 | 2.700 | 94.600 | 6942.24 | 1184.82 | 1118.11 | 392.41 | 1.19 | |
| 7231.00 | 2.700 | 86.900 | 7074.09 | 1186.70 | 1118.03 | 398.61 | 0.27 | |
| 7366.00 | 1.800 | 77.700 | 7208.99 | 1188.95 | 1118.65 | 403.86 | 0.72 | |
| 7499.00 | 0.600 | 44.700 | 7341.96 | 1190.64 | 1119.59 | 406.39 | 1.01 | |
| 7633.00 | 1.100 | 73.500 | 7475.94 | 1192.01 | 1120.45 | 408.11 | 0.48 | |
| 7769.00 | 1.900 | 62.300 | 7611.89 | 1194.38 | 1121.87 | 411.36 | 0.62 | |
| 7901.00 | 1.200 | 44.700 | 7743.85 | 1197.20 | 1123.87 | 414.27 | 0.64 | |
| 8035.00 | 1.000 | 359.300 | 7877.82 | 1199.56 | 1126.04 | 415.24 | 0.65 | |
| 8168.00 | 1.200 | 256.200 | 8010.81 | 1199.91 | 1126.87 | 413.88 | 1.30 | |
| 8245.00 | 1.300 | 359.700 | 8087.80 | 1200.31 | 1127.55 | 413.09 | 2.55 | LAST BHI MWD SURVEY |
| 8295.00 | 1.300 | 359.700 | 8137.79 | 1201.39 | 1128.68 | 413.08 | 0.00 | PROJECTION TO BIT |



Actual Wellpath Report

BADDING 11-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|---------------------------------|----------|---|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot | SLOT#16 BADDING 11-35 (1017'FSL & 1607'FWL) |
| Area | COLORADO | Well | BADDING 11-35 |
| Field | WELD COUNTY (KERR MCGEE) | Wellbore | BADDING 11-35 AWB |
| Facility | SEC.35-T2N-R66W | | |

HOLE & CASING SECTIONS - Ref Wellbore: BADDING 11-35 AWB Ref Wellpath: BADDING 11-35 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 | 15.00 | 1155.00 | 1140.00 | 15.00 | 1146.70 | 0.00 | 0.00 | 104.14 | 33.68 |
| 8.625in Casing Surface | 15.00 | 1145.00 | 1130.00 | 15.00 | 1136.89 | 0.00 | 0.00 | 102.30 | 33.05 |
| 7.875in Open Hole | 1145.00 | 8295.00 | 7150.00 | 1136.89 | 8137.79 | 102.30 | 33.05 | 1128.68 | 413.08 |

TARGETS

| Name | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|--|---------|----------|------------|-----------|-------------------|--------------------|----------------|-----------------|--------|
| BADDING 11-35 GEO TARGET 50' RADIUS (2130'FSL & 1980'FWL, REV-1) | | 6000.00 | 1116.20 | 371.83 | 3210760.32 | 1277681.66 | 40°05'35.412"N | 104°44'47.972"W | circle |
| BADDING 11-35 LEGAL BOX (79'N,321'S,198'W,202'E OF GEO TARGET) | | 6000.00 | 995.20 | 373.83 | 3210763.34 | 1277560.69 | 40°05'34.216"N | 104°44'47.947"W | square |

WELLPATH COMPOSITION - Ref Wellbore: BADDING 11-35 AWB Ref Wellpath: BADDING 11-35 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|------------------------------|--|-------------------|
| 15.00 | 960.00 | NaviTrak (Standard) | BHI MWD SURVEYS 12.25 HOLE <150-960> | BADDING 11-35 AWB |
| 960.00 | 8245.00 | NaviTrak (Standard) | BHI MWD SURVEYS 7.875 HOLE <1051-8245> | BADDING 11-35 AWB |
| 8245.00 | 8295.00 | Blind Drilling (std) | Projection to bit | BADDING 11-35 AWB |



Actual Wellpath Report

BADDING 11-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|---------------------------------|----------|---|
| Operator | KERR MCGEE OIL & GAS ONSHORE LP | Slot | SLOT#16 BADDING 11-35 (1017'FSL & 1607'FWL) |
| Area | COLORADO | Well | BADDING 11-35 |
| Field | WELD COUNTY (KERR MCGEE) | Wellbore | BADDING 11-35 AWB |
| Facility | SEC.35-T2N-R66W | | |

WELLPATH COMMENTS

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment |
|------------|--------------------|----------------|-------------|---------------------|
| 8245.00 | 1.300 | 359.700 | 8087.80 | LAST BHI MWD SURVEY |
| 8295.00 | 1.300 | 359.700 | 8137.79 | PROJECTION TO BIT |