



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-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 | Painsetr |
| Scale | 0.999975 | Report Generated | 6/13/2014 at 12:07:38 PM |
| Convergence at slot | n/a | Database/Source file | WA_Denver/MEAD_11_PWB_CR.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | -260.19 | -1.93 | 3201343.02 | 1459576.70 | 40°35'33.637"N | 104°46'30.011"W |
| Facility Reference Pt | | | 3201342.82 | 1459836.89 | 40°35'36.208"N | 104°46'29.986"W |
| Field Reference Pt | | | 3185481.27 | 1419166.81 | 40°28'55.560"N | 104°49'59.556"W |

WELLPATH DATUM

| | | | |
|--------------------------|-------------------|--|-----------|
| Calculation method | Minimum Curvature | RIG (RKB) to Facility Vertical Datum | 4991.00ft |
| Horizontal Reference Pt | Slot | RIG (RKB) to Mean Sea Level | 4991.00ft |
| Vertical Reference Pt | RIG (RKB) | RIG (RKB) to Mud Line at Slot (SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09)) | 4991.00ft |
| MD Reference Pt | RIG (RKB) | | |
| Field Vertical Reference | Mean Sea Level | | |

POSITIONAL UNCERTAINTY CALCULATION SETTINGS

| | | | | | |
|------------------------------------|------------------|------------------|---------|------------------------------|----------|
| Ellipse Confidence Limit | 3.00 Std Dev | Ellipse Start MD | 24.00ft | Surface Position Uncertainty | included |
| Declination | 8.56° East of TN | Dip Angle | 67.10° | Mag Field Strength | 52862 nT |
| Slot Surface Uncertainty @ 1SD | | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @ 1SD | | Horizontal | 8.200ft | Vertical | 3.000ft |

Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes



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ANTI-COLLISION RULE

| | | | |
|-----------------------------|----------------------------|----------------------|-------|
| Rule Name | Baker Hughes Stop Drilling | Rule Based On | Ratio |
| Plane of Rule | Closest Approach | Threshold Value | 1.00 |
| Subtract Casing & Hole Size | yes | Apply Cone of Safety | no |

HOLE & CASING SECTIONS - Ref Wellbore: MEAD 11 PWB Ref Wellpath: MEAD 11 (REV-A.0) PWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 7in Casing Intermediate | 24.00 | 7722.04 | 7698.04 | 24.00 | 7302.00 | 0.00 | 0.00 | -583.63 | -54.42 |

SURVEY PROGRAM - Ref Wellbore: MEAD 11 PWB Ref Wellpath: MEAD 11 (REV-A.0) PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|------------------------------|------------------|-------------|
| 24.00 | 18000.00 | NaviTrak (Standard) | | MEAD 11 PWB |

CALCULATION RANGE & CUTOFF

| | | |
|------------------|-------------------|--------------------|
| From: 24.00ft MD | To: 17332.73ft MD | C-C Cutoff: (none) |
|------------------|-------------------|--------------------|

OFFSET WELL CLEARANCE SUMMARY (2 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

| Offset Facility | Offset Slot | Offset Well | Offset Wellbore | Offset Wellpath | C-C Clearance Distance | | | ACR Separation Ratio | | | |
|------------------|--|-------------|-----------------|-----------------------|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|------------|
| | | | | | Ref MD [ft] | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | ACR Status |
| SEC.09-T07N-R66W | SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) | MEAD 12 | MEAD 12 PWB | MEAD 12 (REV-A.0) PWP | 24.00 | 25.81 | 800.00 | 17332.73 | 0.42 | 17332.73 | FAIL |
| SEC.09-T07N-R66W | SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) | MEAD 10 | MEAD 10 PWB | MEAD 10 (REV-A.0) PWP | 24.00 | 25.91 | 800.00 | 17332.73 | 0.50 | 17332.73 | FAIL |



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| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) Well: MEAD 12 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 24.00 | 24.00 | 0.00 | 0.00 | 24.00 | 24.00 | -25.81 | -0.23 | -179.49 | 25.81 | 1.18 | 42.04 | PASS |
| 124.00† | 124.00 | 0.00 | 0.00 | 124.00 | 124.00 | -25.81 | -0.23 | -179.49 | 25.81 | 1.52 | 26.94 | PASS |
| 224.00† | 224.00 | 0.00 | 0.00 | 224.00 | 224.00 | -25.81 | -0.23 | -179.49 | 25.81 | 2.14 | 16.20 | PASS |
| 324.00† | 324.00 | 0.00 | 0.00 | 324.00 | 324.00 | -25.81 | -0.23 | -179.49 | 25.81 | 2.82 | 11.27 | PASS |
| 424.00† | 424.00 | 0.00 | 0.00 | 424.00 | 424.00 | -25.81 | -0.23 | -179.49 | 25.81 | 3.52 | 8.59 | PASS |
| 524.00† | 524.00 | 0.00 | 0.00 | 524.00 | 524.00 | -25.81 | -0.23 | -179.49 | 25.81 | 4.23 | 6.92 | PASS |
| 624.00† | 624.00 | 0.00 | 0.00 | 624.00 | 624.00 | -25.81 | -0.23 | -179.49 | 25.81 | 4.94 | 5.79 | PASS |
| 724.00† | 724.00 | 0.00 | 0.00 | 724.00 | 724.00 | -25.81 | -0.23 | -179.49 | 25.81 | 5.65 | 4.98 | PASS |
| 800.00 | 800.00 | 0.00 | 0.00 | 800.00 | 800.00 | -25.81 | -0.23 | -179.49 | 25.81 | 6.19 | 4.50 | PASS |
| 824.00† | 824.00 | -0.07 | 0.07 | 823.83 | 823.83 | -25.89 | -0.17 | 48.42 | 25.82 | 6.36 | 4.37 | PASS |
| 924.00† | 923.96 | -1.80 | 1.99 | 923.11 | 923.07 | -27.94 | 1.33 | 49.28 | 26.17 | 7.21 | 3.86 | PASS |
| 1024.00† | 1023.77 | -5.87 | 6.49 | 1022.38 | 1022.16 | -32.77 | 4.86 | 51.22 | 27.00 | 8.31 | 3.42 | PASS |
| 1124.00† | 1123.31 | -12.28 | 13.57 | 1121.64 | 1120.96 | -40.37 | 10.41 | 54.03 | 28.37 | 9.29 | 3.19 | PASS |
| 1196.77 | 1195.51 | -18.40 | 20.34 | 1193.86 | 1192.62 | -47.63 | 15.72 | 56.47 | 29.73 | 9.92 | 3.12 | PASS |
| 1224.00† | 1222.47 | -20.92 | 23.13 | 1220.87 | 1219.36 | -50.72 | 17.98 | 57.25 | 30.40 | 10.17 | 3.11 | PASS |
| 1324.00† | 1321.51 | -30.19 | 33.37 | 1320.17 | 1317.32 | -63.79 | 27.52 | 57.18 | 34.36 | 11.06 | 3.22 | PASS |
| 1424.00† | 1420.56 | -39.45 | 43.61 | 1420.05 | 1415.68 | -77.84 | 37.79 | 55.92 | 39.14 | 11.93 | 3.40 | PASS |
| 1524.00† | 1519.60 | -48.71 | 53.85 | 1519.93 | 1514.03 | -91.90 | 48.06 | 54.93 | 43.93 | 12.81 | 3.54 | PASS |
| 1624.00† | 1618.64 | -57.97 | 64.09 | 1619.81 | 1612.38 | -105.95 | 58.33 | 54.14 | 48.73 | 13.71 | 3.67 | PASS |
| 1724.00† | 1717.68 | -67.23 | 74.32 | 1719.70 | 1710.74 | -120.01 | 68.60 | 53.48 | 53.54 | 14.62 | 3.77 | PASS |
| 1824.00† | 1816.73 | -76.49 | 84.56 | 1819.58 | 1809.09 | -134.07 | 78.87 | 52.94 | 58.36 | 15.54 | 3.86 | PASS |
| 1924.00† | 1915.77 | -85.75 | 94.80 | 1919.46 | 1907.45 | -148.12 | 89.14 | 52.48 | 63.18 | 16.47 | 3.94 | PASS |
| 2024.00† | 2014.81 | -95.01 | 105.04 | 2019.34 | 2005.80 | -162.18 | 99.41 | 52.09 | 68.00 | 17.41 | 4.01 | PASS |
| 2124.00† | 2113.85 | -104.28 | 115.28 | 2119.23 | 2104.15 | -176.24 | 109.68 | 51.74 | 72.83 | 18.35 | 4.07 | PASS |
| 2224.00† | 2212.90 | -113.54 | 125.52 | 2219.11 | 2202.51 | -190.29 | 119.95 | 51.44 | 77.66 | 19.31 | 4.12 | PASS |
| 2324.00† | 2311.94 | -122.80 | 135.76 | 2318.99 | 2300.86 | -204.35 | 130.23 | 51.18 | 82.49 | 20.26 | 4.16 | PASS |
| 2424.00† | 2410.98 | -132.06 | 145.99 | 2418.88 | 2399.21 | -218.41 | 140.50 | 50.94 | 87.32 | 21.22 | 4.20 | PASS |
| 2524.00† | 2510.02 | -141.32 | 156.23 | 2518.76 | 2497.57 | -232.46 | 150.77 | 50.73 | 92.15 | 22.18 | 4.24 | PASS |
| 2624.00† | 2609.07 | -150.58 | 166.47 | 2618.64 | 2595.92 | -246.52 | 161.04 | 50.54 | 96.99 | 23.15 | 4.27 | PASS |
| 2724.00† | 2708.11 | -159.84 | 176.71 | 2718.52 | 2694.28 | -260.58 | 171.31 | 50.37 | 101.82 | 24.12 | 4.30 | PASS |



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| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) Well: MEAD 12 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2824.00† | 2807.15 | -169.11 | 186.95 | 2818.41 | 2792.63 | -274.63 | 181.58 | 50.21 | 106.66 | 25.10 | 4.33 | PASS |
| 2924.00† | 2906.19 | -178.37 | 197.19 | 2918.29 | 2890.98 | -288.69 | 191.85 | 50.07 | 111.49 | 26.07 | 4.35 | PASS |
| 3024.00† | 3005.24 | -187.63 | 207.42 | 3018.17 | 2989.34 | -302.75 | 202.12 | 49.94 | 116.33 | 27.05 | 4.37 | PASS |
| 3124.00† | 3104.28 | -196.89 | 217.66 | 3118.05 | 3087.69 | -316.80 | 212.39 | 49.82 | 121.17 | 28.03 | 4.39 | PASS |
| 3224.00† | 3203.32 | -206.15 | 227.90 | 3217.94 | 3186.04 | -330.86 | 222.66 | 49.71 | 126.01 | 29.01 | 4.41 | PASS |
| 3324.00† | 3302.36 | -215.41 | 238.14 | 3317.82 | 3284.40 | -344.92 | 232.93 | 49.61 | 130.85 | 29.99 | 4.43 | PASS |
| 3424.00† | 3401.41 | -224.67 | 248.38 | 3417.70 | 3382.75 | -358.97 | 243.20 | 49.51 | 135.69 | 30.98 | 4.44 | PASS |
| 3524.00† | 3500.45 | -233.94 | 258.62 | 3517.58 | 3481.11 | -373.03 | 253.47 | 49.42 | 140.53 | 31.97 | 4.46 | PASS |
| 3624.00† | 3599.49 | -243.20 | 268.86 | 3617.47 | 3579.46 | -387.09 | 263.74 | 49.34 | 145.37 | 32.95 | 4.47 | PASS |
| 3724.00† | 3698.53 | -252.46 | 279.09 | 3717.35 | 3677.81 | -401.14 | 274.01 | 49.26 | 150.21 | 33.94 | 4.49 | PASS |
| 3824.00† | 3797.57 | -261.72 | 289.33 | 3817.23 | 3776.17 | -415.20 | 284.29 | 49.19 | 155.05 | 34.93 | 4.50 | PASS |
| 3924.00† | 3896.62 | -270.98 | 299.57 | 3917.11 | 3874.52 | -429.25 | 294.56 | 49.12 | 159.89 | 35.92 | 4.51 | PASS |
| 4024.00† | 3995.66 | -280.24 | 309.81 | 4017.00 | 3972.87 | -443.31 | 304.83 | 49.05 | 164.73 | 36.91 | 4.52 | PASS |
| 4124.00† | 4094.70 | -289.50 | 320.05 | 4116.88 | 4071.23 | -457.37 | 315.10 | 48.99 | 169.57 | 37.91 | 4.53 | PASS |
| 4224.00† | 4193.74 | -298.76 | 330.29 | 4216.76 | 4169.58 | -471.42 | 325.37 | 48.94 | 174.41 | 38.90 | 4.54 | PASS |
| 4324.00† | 4292.79 | -308.03 | 340.53 | 4316.64 | 4267.94 | -485.48 | 335.64 | 48.88 | 179.25 | 39.89 | 4.55 | PASS |
| 4424.00† | 4391.83 | -317.29 | 350.76 | 4416.53 | 4366.29 | -499.54 | 345.91 | 48.83 | 184.09 | 40.89 | 4.55 | PASS |
| 4524.00† | 4490.87 | -326.55 | 361.00 | 4516.41 | 4464.64 | -513.59 | 356.18 | 48.78 | 188.94 | 41.88 | 4.56 | PASS |
| 4624.00† | 4589.91 | -335.81 | 371.24 | 4616.29 | 4563.00 | -527.65 | 366.45 | 48.73 | 193.78 | 42.88 | 4.57 | PASS |
| 4724.00† | 4688.96 | -345.07 | 381.48 | 4716.17 | 4661.35 | -541.71 | 376.72 | 48.69 | 198.62 | 43.87 | 4.57 | PASS |
| 4824.00† | 4788.00 | -354.33 | 391.72 | 4816.06 | 4759.70 | -555.76 | 386.99 | 48.65 | 203.46 | 44.87 | 4.58 | PASS |
| 4924.00† | 4887.04 | -363.59 | 401.96 | 4915.94 | 4858.06 | -569.82 | 397.26 | 48.61 | 208.31 | 45.87 | 4.59 | PASS |
| 5024.00† | 4986.08 | -372.86 | 412.20 | 5015.82 | 4956.41 | -583.88 | 407.53 | 48.57 | 213.15 | 46.86 | 4.59 | PASS |
| 5124.00† | 5085.13 | -382.12 | 422.43 | 5115.70 | 5054.77 | -597.93 | 417.80 | 48.53 | 217.99 | 47.86 | 4.60 | PASS |
| 5224.00† | 5184.17 | -391.38 | 432.67 | 5215.59 | 5153.12 | -611.99 | 428.07 | 48.50 | 222.83 | 48.86 | 4.60 | PASS |
| 5324.00† | 5283.21 | -400.64 | 442.91 | 5315.47 | 5251.47 | -626.05 | 438.35 | 48.47 | 227.68 | 49.86 | 4.61 | PASS |
| 5424.00† | 5382.25 | -409.90 | 453.15 | 5415.35 | 5349.83 | -640.10 | 448.62 | 48.43 | 232.52 | 50.86 | 4.61 | PASS |
| 5524.00† | 5481.30 | -419.16 | 463.39 | 5515.24 | 5448.18 | -654.16 | 458.89 | 48.40 | 237.36 | 51.85 | 4.62 | PASS |
| 5624.00† | 5580.34 | -428.42 | 473.63 | 5615.12 | 5546.53 | -668.22 | 469.16 | 48.37 | 242.20 | 52.85 | 4.62 | PASS |
| 5724.00† | 5679.38 | -437.68 | 483.86 | 5715.00 | 5644.89 | -682.27 | 479.43 | 48.34 | 247.05 | 53.85 | 4.63 | PASS |



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| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) Well: MEAD 12 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 5824.00† | 5778.42 | -446.95 | 494.10 | 5814.88 | 5743.24 | -696.33 | 489.70 | 48.32 | 251.89 | 54.85 | 4.63 | PASS |
| 5924.00† | 5877.47 | -456.21 | 504.34 | 5914.77 | 5841.60 | -710.38 | 499.97 | 48.29 | 256.73 | 55.85 | 4.63 | PASS |
| 6024.00† | 5976.51 | -465.47 | 514.58 | 6014.65 | 5939.95 | -724.44 | 510.24 | 48.27 | 261.58 | 56.85 | 4.64 | PASS |
| 6124.00† | 6075.55 | -474.73 | 524.82 | 6114.53 | 6038.30 | -738.50 | 520.51 | 48.24 | 266.42 | 57.85 | 4.64 | PASS |
| 6224.00† | 6174.59 | -483.99 | 535.06 | 6214.41 | 6136.66 | -752.55 | 530.78 | 48.22 | 271.26 | 58.85 | 4.65 | PASS |
| 6324.00† | 6273.64 | -493.25 | 545.30 | 6314.30 | 6235.01 | -766.61 | 541.05 | 48.20 | 276.11 | 59.86 | 4.65 | PASS |
| 6424.00† | 6372.68 | -502.51 | 555.53 | 6414.18 | 6333.36 | -780.67 | 551.32 | 48.17 | 280.95 | 60.86 | 4.65 | PASS |
| 6524.00† | 6471.72 | -511.78 | 565.77 | 6514.06 | 6431.72 | -794.72 | 561.59 | 48.15 | 285.79 | 61.86 | 4.65 | PASS |
| 6624.00† | 6570.76 | -521.04 | 576.01 | 6613.94 | 6530.07 | -808.78 | 571.86 | 48.13 | 290.64 | 62.86 | 4.66 | PASS |
| 6656.26 | 6602.71 | -524.02 | 579.31 | 6646.17 | 6561.80 | -813.32 | 575.18 | 48.13 | 292.20 | 63.18 | 4.66 | PASS |
| 6724.00† | 6670.05 | -530.29 | 582.66 | 6713.75 | 6628.39 | -822.83 | 581.73 | -2.18 | 295.49 | 63.50 | 4.69 | PASS |
| 6824.00† | 6769.19 | -539.41 | 574.44 | 6814.18 | 6727.71 | -836.93 | 580.60 | -61.04 | 300.46 | 63.53 | 4.76 | PASS |
| 6924.00† | 6865.84 | -548.17 | 550.74 | 6915.76 | 6826.74 | -850.86 | 563.45 | -75.52 | 305.47 | 63.53 | 4.84 | PASS |
| 7024.00† | 6957.62 | -556.36 | 512.16 | 7018.50 | 6922.90 | -864.25 | 530.15 | -81.39 | 310.36 | 62.75 | 4.98 | PASS |
| 7124.00† | 7042.27 | -563.77 | 459.64 | 7122.39 | 7013.48 | -876.72 | 481.08 | -84.63 | 314.99 | 61.67 | 5.15 | PASS |
| 7224.00† | 7117.71 | -570.23 | 394.47 | 7227.34 | 7095.75 | -887.88 | 417.08 | -86.70 | 319.21 | 60.63 | 5.31 | PASS |
| 7324.00† | 7182.08 | -575.57 | 318.27 | 7333.25 | 7167.12 | -897.39 | 339.57 | -88.10 | 322.87 | 59.83 | 5.44 | PASS |
| 7424.00† | 7233.79 | -579.66 | 232.89 | 7439.96 | 7225.19 | -904.91 | 250.51 | -89.05 | 325.84 | 59.52 | 5.52 | PASS |
| 7524.00† | 7271.58 | -582.41 | 140.46 | 7547.28 | 7267.93 | -910.18 | 152.35 | -89.65 | 328.02 | 59.90 | 5.52 | PASS |
| 7624.00† | 7294.50 | -583.73 | 43.23 | 7655.00 | 7293.84 | -913.01 | 47.97 | -89.96 | 329.32 | 61.10 | 5.43 | PASS |
| 7722.04 | 7302.00 | -583.63 | -54.42 | 7760.51 | 7302.00 | -913.32 | -57.11 | -90.00 | 329.70 | 63.05 | 5.27 | PASS |
| 7724.00† | 7302.00 | -583.61 | -56.38 | 7762.47 | 7302.00 | -913.30 | -59.07 | -90.00 | 329.70 | 62.51 | 5.27 | PASS |
| 7824.00† | 7302.00 | -582.79 | -156.38 | 7862.47 | 7302.00 | -912.48 | -159.07 | -90.00 | 329.70 | 65.35 | 5.05 | PASS |
| 7924.00† | 7302.00 | -581.97 | -256.37 | 7962.47 | 7302.00 | -911.67 | -259.06 | -90.00 | 329.71 | 68.96 | 4.78 | PASS |
| 8024.00† | 7302.00 | -581.15 | -356.37 | 8062.47 | 7302.00 | -910.85 | -359.06 | -90.00 | 329.71 | 73.25 | 4.50 | PASS |
| 8124.00† | 7302.00 | -580.33 | -456.37 | 8162.47 | 7302.00 | -910.04 | -459.06 | -90.00 | 329.72 | 78.11 | 4.22 | PASS |
| 8224.00† | 7302.00 | -579.51 | -556.36 | 8262.47 | 7302.00 | -909.22 | -559.05 | -90.00 | 329.72 | 80.61 | 4.09 | PASS |
| 8324.00† | 7302.00 | -578.69 | -656.36 | 8362.47 | 7302.00 | -908.41 | -659.05 | -90.00 | 329.72 | 89.17 | 3.70 | PASS |
| 8424.00† | 7302.00 | -577.87 | -756.36 | 8462.47 | 7302.00 | -907.59 | -759.05 | -90.00 | 329.73 | 95.21 | 3.46 | PASS |
| 8524.00† | 7302.00 | -577.05 | -856.35 | 8562.47 | 7302.00 | -906.78 | -859.04 | -90.00 | 329.73 | 101.52 | 3.25 | PASS |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) Well: MEAD 12 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8624.00† | 7302.00 | -576.23 | -956.35 | 8662.47 | 7302.00 | -905.96 | -959.04 | -90.00 | 329.74 | 108.03 | 3.05 | PASS |
| 8724.00† | 7302.00 | -575.42 | -1056.35 | 8762.47 | 7302.00 | -905.15 | -1059.04 | -90.00 | 329.74 | 114.73 | 2.87 | PASS |
| 8824.00† | 7302.00 | -574.60 | -1156.34 | 8862.47 | 7302.00 | -904.33 | -1159.03 | -90.00 | 329.75 | 121.57 | 2.71 | PASS |
| 8924.00† | 7302.00 | -573.78 | -1256.34 | 8962.47 | 7302.00 | -903.51 | -1259.03 | -90.00 | 329.75 | 128.54 | 2.57 | PASS |
| 9024.00† | 7302.00 | -572.96 | -1356.34 | 9062.47 | 7302.00 | -902.70 | -1359.03 | -90.00 | 329.75 | 135.61 | 2.43 | PASS |
| 9124.00† | 7302.00 | -572.14 | -1456.33 | 9162.47 | 7302.00 | -901.88 | -1459.02 | -90.00 | 329.76 | 142.77 | 2.31 | PASS |
| 9224.00† | 7302.00 | -571.32 | -1556.33 | 9262.47 | 7302.00 | -901.07 | -1559.02 | -90.00 | 329.76 | 150.00 | 2.20 | PASS |
| 9324.00† | 7302.00 | -570.50 | -1656.33 | 9362.47 | 7302.00 | -900.25 | -1659.02 | -90.00 | 329.77 | 157.31 | 2.10 | PASS |
| 9424.00† | 7302.00 | -569.68 | -1756.32 | 9462.47 | 7302.00 | -899.44 | -1759.01 | -90.00 | 329.77 | 164.67 | 2.00 | PASS |
| 9524.00† | 7302.00 | -568.86 | -1856.32 | 9562.47 | 7302.00 | -898.62 | -1859.01 | -90.00 | 329.77 | 172.08 | 1.92 | PASS |
| 9624.00† | 7302.00 | -568.04 | -1956.32 | 9662.47 | 7302.00 | -897.81 | -1959.01 | -90.00 | 329.78 | 179.53 | 1.84 | PASS |
| 9724.00† | 7302.00 | -567.22 | -2056.31 | 9762.47 | 7302.00 | -896.99 | -2059.00 | -90.00 | 329.78 | 187.02 | 1.76 | PASS |
| 9824.00† | 7302.00 | -566.40 | -2156.31 | 9862.47 | 7302.00 | -896.18 | -2159.00 | -90.00 | 329.79 | 194.55 | 1.70 | PASS |
| 9924.00† | 7302.00 | -565.58 | -2256.31 | 9962.47 | 7302.00 | -895.36 | -2259.00 | -90.00 | 329.79 | 202.11 | 1.63 | PASS |
| 10024.00† | 7302.00 | -564.76 | -2356.30 | 10062.47 | 7302.00 | -894.54 | -2358.99 | -90.00 | 329.80 | 209.75 | 1.57 | PASS |
| 10124.00† | 7302.00 | -563.94 | -2456.30 | 10162.47 | 7302.00 | -893.73 | -2458.99 | -90.00 | 329.80 | 217.31 | 1.52 | PASS |
| 10224.00† | 7302.00 | -563.12 | -2556.30 | 10262.47 | 7302.00 | -892.91 | -2558.99 | -90.00 | 329.80 | 224.94 | 1.47 | PASS |
| 10324.00† | 7302.00 | -562.30 | -2656.29 | 10362.47 | 7302.00 | -892.10 | -2658.98 | -90.00 | 329.81 | 232.59 | 1.42 | PASS |
| 10424.00† | 7302.00 | -561.48 | -2756.29 | 10462.47 | 7302.00 | -891.28 | -2758.98 | -90.00 | 329.81 | 240.25 | 1.37 | PASS |
| 10524.00† | 7302.00 | -560.66 | -2856.29 | 10562.47 | 7302.00 | -890.47 | -2858.98 | -90.00 | 329.82 | 247.94 | 1.33 | PASS |
| 10624.00† | 7302.00 | -559.84 | -2956.28 | 10662.47 | 7302.00 | -889.65 | -2958.97 | -90.00 | 329.82 | 255.64 | 1.29 | PASS |
| 10724.00† | 7302.00 | -559.02 | -3056.28 | 10762.47 | 7302.00 | -888.84 | -3058.97 | -90.00 | 329.82 | 263.35 | 1.25 | PASS |
| 10824.00† | 7302.00 | -558.20 | -3156.28 | 10862.47 | 7302.00 | -888.02 | -3158.97 | -90.00 | 329.83 | 271.07 | 1.22 | PASS |
| 10924.00† | 7302.00 | -557.38 | -3256.27 | 10962.47 | 7302.00 | -887.21 | -3258.96 | -90.00 | 329.83 | 278.81 | 1.18 | PASS |
| 11024.00† | 7302.00 | -556.56 | -3356.27 | 11062.47 | 7302.00 | -886.39 | -3358.96 | -90.00 | 329.84 | 286.56 | 1.15 | PASS |
| 11124.00† | 7302.00 | -555.74 | -3456.27 | 11162.47 | 7302.00 | -885.57 | -3458.96 | -90.00 | 329.84 | 294.31 | 1.12 | PASS |
| 11224.00† | 7302.00 | -554.93 | -3556.26 | 11262.47 | 7302.00 | -884.76 | -3558.95 | -90.00 | 329.85 | 302.08 | 1.09 | PASS |
| 11324.00† | 7302.00 | -554.11 | -3656.26 | 11362.47 | 7302.00 | -883.94 | -3658.95 | -90.00 | 329.85 | 309.85 | 1.06 | PASS |
| 11424.00† | 7302.00 | -553.29 | -3756.26 | 11462.47 | 7302.00 | -883.13 | -3758.95 | -90.00 | 329.85 | 317.63 | 1.04 | PASS |
| 11524.00† | 7302.00 | -552.47 | -3856.25 | 11562.47 | 7302.00 | -882.31 | -3858.94 | -90.00 | 329.86 | 325.41 | 1.01 | PASS |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) Well: MEAD 12 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11624.00† | 7302.00 | -551.65 | -3956.25 | 11662.47 | 7302.00 | -881.50 | -3958.94 | -90.00 | 329.86 | 333.21 | 0.99 | FAIL |
| 11724.00† | 7302.00 | -550.83 | -4056.25 | 11762.47 | 7302.00 | -880.68 | -4058.94 | -90.00 | 329.87 | 341.01 | 0.97 | FAIL |
| 11824.00† | 7302.00 | -550.01 | -4156.24 | 11862.47 | 7302.00 | -879.87 | -4158.93 | -90.00 | 329.87 | 348.81 | 0.95 | FAIL |
| 11924.00† | 7302.00 | -549.19 | -4256.24 | 11962.47 | 7302.00 | -879.05 | -4258.93 | -90.00 | 329.87 | 356.62 | 0.92 | FAIL |
| 12024.00† | 7302.00 | -548.37 | -4356.24 | 12062.47 | 7302.00 | -878.24 | -4358.93 | -90.00 | 329.88 | 364.44 | 0.91 | FAIL |
| 12124.00† | 7302.00 | -547.55 | -4456.23 | 12162.47 | 7302.00 | -877.42 | -4458.92 | -90.00 | 329.88 | 372.26 | 0.89 | FAIL |
| 12224.00† | 7302.00 | -546.73 | -4556.23 | 12262.47 | 7302.00 | -876.60 | -4558.92 | -90.00 | 329.89 | 380.08 | 0.87 | FAIL |
| 12324.00† | 7302.00 | -545.91 | -4656.23 | 12362.47 | 7302.00 | -875.79 | -4658.92 | -90.00 | 329.89 | 387.91 | 0.85 | FAIL |
| 12424.00† | 7302.00 | -545.09 | -4756.22 | 12462.47 | 7302.00 | -874.97 | -4758.91 | -90.00 | 329.89 | 395.74 | 0.83 | FAIL |
| 12524.00† | 7302.00 | -544.27 | -4856.22 | 12562.47 | 7302.00 | -874.16 | -4858.91 | -90.00 | 329.90 | 403.58 | 0.82 | FAIL |
| 12624.00† | 7302.00 | -543.45 | -4956.22 | 12662.47 | 7302.00 | -873.34 | -4958.91 | -90.00 | 329.90 | 411.42 | 0.80 | FAIL |
| 12724.00† | 7302.00 | -542.63 | -5056.21 | 12762.47 | 7302.00 | -872.53 | -5058.90 | -90.00 | 329.91 | 419.26 | 0.79 | FAIL |
| 12824.00† | 7302.00 | -541.81 | -5156.21 | 12862.47 | 7302.00 | -871.71 | -5158.90 | -90.00 | 329.91 | 427.10 | 0.77 | FAIL |
| 12924.00† | 7302.00 | -540.99 | -5256.21 | 12962.47 | 7302.00 | -870.90 | -5258.90 | -90.00 | 329.92 | 434.95 | 0.76 | FAIL |
| 13024.00† | 7302.00 | -540.17 | -5356.20 | 13062.47 | 7302.00 | -870.08 | -5358.89 | -90.00 | 329.92 | 442.80 | 0.75 | FAIL |
| 13124.00† | 7302.00 | -539.35 | -5456.20 | 13162.47 | 7302.00 | -869.27 | -5458.89 | -90.00 | 329.92 | 450.66 | 0.73 | FAIL |
| 13224.00† | 7302.00 | -538.53 | -5556.20 | 13262.47 | 7302.00 | -868.45 | -5558.89 | -90.00 | 329.93 | 458.51 | 0.72 | FAIL |
| 13324.00† | 7302.00 | -537.71 | -5656.19 | 13362.47 | 7302.00 | -867.63 | -5658.88 | -90.00 | 329.93 | 466.37 | 0.71 | FAIL |
| 13424.00† | 7302.00 | -536.89 | -5756.19 | 13462.47 | 7302.00 | -866.82 | -5758.88 | -90.00 | 329.94 | 474.23 | 0.70 | FAIL |
| 13524.00† | 7302.00 | -536.07 | -5856.19 | 13562.47 | 7302.00 | -866.00 | -5858.88 | -90.00 | 329.94 | 482.09 | 0.68 | FAIL |
| 13624.00† | 7302.00 | -535.25 | -5956.18 | 13662.47 | 7302.00 | -865.19 | -5958.87 | -90.00 | 329.94 | 489.96 | 0.67 | FAIL |
| 13724.00† | 7302.00 | -534.44 | -6056.18 | 13762.47 | 7302.00 | -864.37 | -6058.87 | -90.00 | 329.95 | 497.82 | 0.66 | FAIL |
| 13824.00† | 7302.00 | -533.62 | -6156.18 | 13862.47 | 7302.00 | -863.56 | -6158.87 | -90.00 | 329.95 | 505.69 | 0.65 | FAIL |
| 13924.00† | 7302.00 | -532.80 | -6256.17 | 13962.47 | 7302.00 | -862.74 | -6258.86 | -90.00 | 329.96 | 513.56 | 0.64 | FAIL |
| 14024.00† | 7302.00 | -531.98 | -6356.17 | 14062.47 | 7302.00 | -861.93 | -6358.86 | -90.00 | 329.96 | 521.43 | 0.63 | FAIL |
| 14124.00† | 7302.00 | -531.16 | -6456.17 | 14162.47 | 7302.00 | -861.11 | -6458.86 | -90.00 | 329.97 | 529.31 | 0.62 | FAIL |
| 14224.00† | 7302.00 | -530.34 | -6556.16 | 14262.47 | 7302.00 | -860.30 | -6558.85 | -90.00 | 329.97 | 537.18 | 0.61 | FAIL |
| 14324.00† | 7302.00 | -529.52 | -6656.16 | 14362.47 | 7302.00 | -859.48 | -6658.85 | -90.00 | 329.97 | 545.06 | 0.61 | FAIL |
| 14424.00† | 7302.00 | -528.70 | -6756.16 | 14462.47 | 7302.00 | -858.66 | -6758.85 | -90.00 | 329.98 | 552.93 | 0.60 | FAIL |
| 14524.00† | 7302.00 | -527.88 | -6856.15 | 14562.47 | 7302.00 | -857.85 | -6858.84 | -90.00 | 329.98 | 560.81 | 0.59 | FAIL |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#12 MEAD 12(1638'FNL & 405'FEL,SEC.09) Well: MEAD 12 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 14624.00† | 7302.00 | -527.06 | -6956.15 | 14662.47 | 7302.00 | -857.03 | -6958.84 | -90.00 | 329.99 | 568.69 | 0.58 | FAIL |
| 14724.00† | 7302.00 | -526.24 | -7056.15 | 14762.47 | 7302.00 | -856.22 | -7058.84 | -90.00 | 329.99 | 576.57 | 0.57 | FAIL |
| 14824.00† | 7302.00 | -525.42 | -7156.14 | 14862.47 | 7302.00 | -855.40 | -7158.83 | -90.00 | 329.99 | 584.46 | 0.56 | FAIL |
| 14924.00† | 7302.00 | -524.60 | -7256.14 | 14962.47 | 7302.00 | -854.59 | -7258.83 | -90.00 | 330.00 | 592.34 | 0.56 | FAIL |
| 15024.00† | 7302.00 | -523.78 | -7356.14 | 15062.47 | 7302.00 | -853.77 | -7358.83 | -90.00 | 330.00 | 600.22 | 0.55 | FAIL |
| 15124.00† | 7302.00 | -522.96 | -7456.13 | 15162.47 | 7302.00 | -852.96 | -7458.82 | -90.00 | 330.01 | 608.11 | 0.54 | FAIL |
| 15224.00† | 7302.00 | -522.14 | -7556.13 | 15262.47 | 7302.00 | -852.14 | -7558.82 | -90.00 | 330.01 | 616.00 | 0.54 | FAIL |
| 15324.00† | 7302.00 | -521.32 | -7656.13 | 15362.47 | 7302.00 | -851.33 | -7658.82 | -90.00 | 330.01 | 623.88 | 0.53 | FAIL |
| 15424.00† | 7302.00 | -520.50 | -7756.12 | 15462.47 | 7302.00 | -850.51 | -7758.81 | -90.00 | 330.02 | 631.77 | 0.52 | FAIL |
| 15524.00† | 7302.00 | -519.68 | -7856.12 | 15562.47 | 7302.00 | -849.69 | -7858.81 | -90.00 | 330.02 | 639.66 | 0.52 | FAIL |
| 15624.00† | 7302.00 | -518.86 | -7956.12 | 15662.47 | 7302.00 | -848.88 | -7958.81 | -90.00 | 330.03 | 647.55 | 0.51 | FAIL |
| 15724.00† | 7302.00 | -518.04 | -8056.11 | 15762.47 | 7302.00 | -848.06 | -8058.80 | -90.00 | 330.03 | 655.44 | 0.50 | FAIL |
| 15824.00† | 7302.00 | -517.22 | -8156.11 | 15862.47 | 7302.00 | -847.25 | -8158.80 | -90.00 | 330.04 | 663.34 | 0.50 | FAIL |
| 15924.00† | 7302.00 | -516.40 | -8256.11 | 15962.47 | 7302.00 | -846.43 | -8258.80 | -90.00 | 330.04 | 671.23 | 0.49 | FAIL |
| 16024.00† | 7302.00 | -515.58 | -8356.10 | 16062.47 | 7302.00 | -845.62 | -8358.79 | -90.00 | 330.04 | 679.12 | 0.49 | FAIL |
| 16124.00† | 7302.00 | -514.77 | -8456.10 | 16162.47 | 7302.00 | -844.80 | -8458.79 | -90.00 | 330.05 | 687.02 | 0.48 | FAIL |
| 16224.00† | 7302.00 | -513.95 | -8556.10 | 16262.47 | 7302.00 | -843.99 | -8558.79 | -90.00 | 330.05 | 694.91 | 0.47 | FAIL |
| 16324.00† | 7302.00 | -513.13 | -8656.09 | 16362.47 | 7302.00 | -843.17 | -8658.78 | -90.00 | 330.06 | 702.81 | 0.47 | FAIL |
| 16424.00† | 7302.00 | -512.31 | -8756.09 | 16462.47 | 7302.00 | -842.36 | -8758.78 | -90.00 | 330.06 | 710.70 | 0.46 | FAIL |
| 16524.00† | 7302.00 | -511.49 | -8856.09 | 16562.47 | 7302.00 | -841.54 | -8858.78 | -90.00 | 330.06 | 718.60 | 0.46 | FAIL |
| 16624.00† | 7302.00 | -510.67 | -8956.08 | 16662.47 | 7302.00 | -840.72 | -8958.77 | -90.00 | 330.07 | 726.50 | 0.45 | FAIL |
| 16724.00† | 7302.00 | -509.85 | -9056.08 | 16762.47 | 7302.00 | -839.91 | -9058.77 | -90.00 | 330.07 | 734.39 | 0.45 | FAIL |
| 16824.00† | 7302.00 | -509.03 | -9156.08 | 16862.47 | 7302.00 | -839.09 | -9158.77 | -90.00 | 330.08 | 742.29 | 0.44 | FAIL |
| 16924.00† | 7302.00 | -508.21 | -9256.07 | 16962.47 | 7302.00 | -838.28 | -9258.76 | -90.00 | 330.08 | 750.19 | 0.44 | FAIL |
| 17024.00† | 7302.00 | -507.39 | -9356.07 | 17062.47 | 7302.00 | -837.46 | -9358.76 | -90.00 | 330.09 | 758.09 | 0.44 | FAIL |
| 17124.00† | 7302.00 | -506.57 | -9456.07 | 17162.47 | 7302.00 | -836.65 | -9458.76 | -90.00 | 330.09 | 765.99 | 0.43 | FAIL |
| 17224.00† | 7302.00 | -505.75 | -9556.06 | 17262.47 | 7302.00 | -835.83 | -9558.75 | -90.00 | 330.09 | 773.89 | 0.43 | FAIL |
| 17324.00† | 7302.00 | -504.93 | -9656.06 | 17362.47 | 7302.00 | -835.02 | -9658.75 | -90.00 | 330.10 | 781.79 | 0.42 | FAIL |
| 17332.73 | 7302.00 | -504.86 | -9664.78 | 17371.19 | 7302.00 | -834.95 | -9667.48 | -90.00 | 330.10 | 782.48 | 0.42 | FAIL |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 7in Casing Intermediate | 24.00 | 7757.54 | 7733.54 | 24.00 | 7302.00 | -15.73 | -0.14 | -286.25 | -16.57 |

SURVEY PROGRAM - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|------------------------------|------------------|-------------|
| 24.00 | 18000.00 | NaviTrak (Standard) | | MEAD 12 PWB |

OFFSET WELLPATH MD REFERENCE - Offset Wellbore: MEAD 12 PWB Offset Wellpath: MEAD 12 (REV-A.0) PWP

| | |
|--------------------------------|---|
| MD Reference: RIG (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 24.00ft |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) Well: MEAD 10 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 24.00 | 24.00 | 0.00 | 0.00 | 24.00 | 24.00 | 25.91 | 0.00 | 0.00 | 25.91 | 1.18 | 42.21 | PASS |
| 124.00† | 124.00 | 0.00 | 0.00 | 124.00 | 124.00 | 25.91 | 0.00 | 0.00 | 25.91 | 1.52 | 27.05 | PASS |
| 224.00† | 224.00 | 0.00 | 0.00 | 224.00 | 224.00 | 25.91 | 0.00 | 0.00 | 25.91 | 2.14 | 16.26 | PASS |
| 324.00† | 324.00 | 0.00 | 0.00 | 324.00 | 324.00 | 25.91 | 0.00 | 0.00 | 25.91 | 2.82 | 11.32 | PASS |
| 424.00† | 424.00 | 0.00 | 0.00 | 424.00 | 424.00 | 25.91 | 0.00 | 0.00 | 25.91 | 3.52 | 8.62 | PASS |
| 524.00† | 524.00 | 0.00 | 0.00 | 524.00 | 524.00 | 25.91 | 0.00 | 0.00 | 25.91 | 4.23 | 6.95 | PASS |
| 624.00† | 624.00 | 0.00 | 0.00 | 624.00 | 624.00 | 25.91 | 0.00 | 0.00 | 25.91 | 4.94 | 5.82 | PASS |
| 724.00† | 724.00 | 0.00 | 0.00 | 724.00 | 724.00 | 25.91 | 0.00 | 0.00 | 25.91 | 5.65 | 5.00 | PASS |
| 800.00 | 800.00 | 0.00 | 0.00 | 800.00 | 800.00 | 25.91 | 0.00 | 0.00 | 25.91 | 6.19 | 4.52 | PASS |
| 824.00† | 824.00 | -0.07 | 0.07 | 824.12 | 824.12 | 25.85 | 0.08 | -132.11 | 25.92 | 6.36 | 4.38 | PASS |
| 924.00† | 923.96 | -1.80 | 1.99 | 924.64 | 924.60 | 24.36 | 2.23 | -131.63 | 26.17 | 7.18 | 3.88 | PASS |
| 1024.00† | 1023.77 | -5.87 | 6.49 | 1025.15 | 1024.92 | 20.86 | 7.26 | -130.54 | 26.77 | 8.19 | 3.44 | PASS |
| 1124.00† | 1123.31 | -12.28 | 13.57 | 1125.66 | 1124.96 | 15.36 | 15.19 | -128.91 | 27.74 | 9.14 | 3.17 | PASS |
| 1196.77 | 1195.51 | -18.40 | 20.34 | 1198.52 | 1197.30 | 10.41 | 22.32 | -128.33 | 28.94 | 9.75 | 3.09 | PASS |
| 1224.00† | 1222.47 | -20.92 | 23.13 | 1225.73 | 1224.32 | 8.55 | 25.00 | -128.63 | 29.59 | 9.98 | 3.09 | PASS |
| 1324.00† | 1321.51 | -30.19 | 33.37 | 1325.70 | 1323.57 | 1.71 | 34.85 | -129.60 | 31.99 | 10.79 | 3.08 | PASS |
| 1424.00† | 1420.56 | -39.45 | 43.61 | 1425.67 | 1422.81 | -5.13 | 44.70 | -130.43 | 34.41 | 11.64 | 3.06 | PASS |
| 1524.00† | 1519.60 | -48.71 | 53.85 | 1525.64 | 1522.06 | -11.97 | 54.55 | -131.16 | 36.82 | 12.49 | 3.04 | PASS |
| 1624.00† | 1618.64 | -57.97 | 64.09 | 1625.61 | 1621.31 | -18.81 | 64.41 | -131.79 | 39.25 | 13.36 | 3.03 | PASS |
| 1724.00† | 1717.68 | -67.23 | 74.32 | 1725.58 | 1720.56 | -25.65 | 74.26 | -132.35 | 41.68 | 14.24 | 3.01 | PASS |
| 1824.00† | 1816.73 | -76.49 | 84.56 | 1825.55 | 1819.80 | -32.50 | 84.11 | -132.85 | 44.11 | 15.12 | 2.99 | PASS |
| 1924.00† | 1915.77 | -85.75 | 94.80 | 1925.52 | 1919.05 | -39.34 | 93.96 | -133.30 | 46.54 | 16.02 | 2.98 | PASS |
| 2024.00† | 2014.81 | -95.01 | 105.04 | 2025.49 | 2018.30 | -46.18 | 103.81 | -133.70 | 48.98 | 16.91 | 2.96 | PASS |
| 2124.00† | 2113.85 | -104.28 | 115.28 | 2125.46 | 2117.55 | -53.02 | 113.67 | -134.07 | 51.42 | 17.81 | 2.95 | PASS |
| 2224.00† | 2212.90 | -113.54 | 125.52 | 2225.43 | 2216.79 | -59.86 | 123.52 | -134.40 | 53.86 | 18.72 | 2.94 | PASS |
| 2324.00† | 2311.94 | -122.80 | 135.76 | 2325.40 | 2316.04 | -66.70 | 133.37 | -134.70 | 56.30 | 19.62 | 2.93 | PASS |
| 2424.00† | 2410.98 | -132.06 | 145.99 | 2425.37 | 2415.29 | -73.54 | 143.22 | -134.98 | 58.74 | 20.53 | 2.92 | PASS |
| 2524.00† | 2510.02 | -141.32 | 156.23 | 2525.34 | 2514.54 | -80.38 | 153.07 | -135.24 | 61.19 | 21.45 | 2.91 | PASS |
| 2624.00† | 2609.07 | -150.58 | 166.47 | 2625.31 | 2613.79 | -87.22 | 162.93 | -135.47 | 63.64 | 22.36 | 2.90 | PASS |
| 2724.00† | 2708.11 | -159.84 | 176.71 | 2725.28 | 2713.03 | -94.06 | 172.78 | -135.69 | 66.08 | 23.27 | 2.89 | PASS |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) Well: MEAD 10 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2824.00† | 2807.15 | -169.11 | 186.95 | 2825.25 | 2812.28 | -100.90 | 182.63 | -135.90 | 68.53 | 24.19 | 2.88 | PASS |
| 2924.00† | 2906.19 | -178.37 | 197.19 | 2925.22 | 2911.53 | -107.74 | 192.48 | -136.08 | 70.98 | 25.11 | 2.87 | PASS |
| 3024.00† | 3005.24 | -187.63 | 207.42 | 3025.19 | 3010.78 | -114.58 | 202.33 | -136.26 | 73.43 | 26.03 | 2.86 | PASS |
| 3124.00† | 3104.28 | -196.89 | 217.66 | 3125.16 | 3110.02 | -121.42 | 212.18 | -136.43 | 75.88 | 26.95 | 2.86 | PASS |
| 3224.00† | 3203.32 | -206.15 | 227.90 | 3225.13 | 3209.27 | -128.27 | 222.04 | -136.58 | 78.33 | 27.87 | 2.85 | PASS |
| 3324.00† | 3302.36 | -215.41 | 238.14 | 3325.10 | 3308.52 | -135.11 | 231.89 | -136.72 | 80.78 | 28.79 | 2.84 | PASS |
| 3424.00† | 3401.41 | -224.67 | 248.38 | 3425.07 | 3407.77 | -141.95 | 241.74 | -136.86 | 83.24 | 29.71 | 2.84 | PASS |
| 3524.00† | 3500.45 | -233.94 | 258.62 | 3525.04 | 3507.01 | -148.79 | 251.59 | -136.99 | 85.69 | 30.63 | 2.83 | PASS |
| 3624.00† | 3599.49 | -243.20 | 268.86 | 3625.01 | 3606.26 | -155.63 | 261.44 | -137.11 | 88.14 | 31.55 | 2.83 | PASS |
| 3724.00† | 3698.53 | -252.46 | 279.09 | 3724.98 | 3705.51 | -162.47 | 271.30 | -137.23 | 90.59 | 32.48 | 2.82 | PASS |
| 3824.00† | 3797.57 | -261.72 | 289.33 | 3824.95 | 3804.76 | -169.31 | 281.15 | -137.34 | 93.05 | 33.40 | 2.82 | PASS |
| 3924.00† | 3896.62 | -270.98 | 299.57 | 3924.92 | 3904.00 | -176.15 | 291.00 | -137.44 | 95.50 | 34.33 | 2.81 | PASS |
| 4024.00† | 3995.66 | -280.24 | 309.81 | 4024.89 | 4003.25 | -182.99 | 300.85 | -137.54 | 97.96 | 35.25 | 2.81 | PASS |
| 4124.00† | 4094.70 | -289.50 | 320.05 | 4124.86 | 4102.50 | -189.83 | 310.70 | -137.63 | 100.41 | 36.18 | 2.80 | PASS |
| 4224.00† | 4193.74 | -298.76 | 330.29 | 4224.83 | 4201.75 | -196.67 | 320.55 | -137.72 | 102.87 | 37.10 | 2.80 | PASS |
| 4324.00† | 4292.79 | -308.03 | 340.53 | 4324.80 | 4301.00 | -203.51 | 330.41 | -137.80 | 105.32 | 38.03 | 2.80 | PASS |
| 4424.00† | 4391.83 | -317.29 | 350.76 | 4424.77 | 4400.24 | -210.35 | 340.26 | -137.89 | 107.78 | 38.95 | 2.79 | PASS |
| 4524.00† | 4490.87 | -326.55 | 361.00 | 4524.74 | 4499.49 | -217.20 | 350.11 | -137.96 | 110.23 | 39.88 | 2.79 | PASS |
| 4624.00† | 4589.91 | -335.81 | 371.24 | 4624.71 | 4598.74 | -224.04 | 359.96 | -138.04 | 112.69 | 40.81 | 2.79 | PASS |
| 4724.00† | 4688.96 | -345.07 | 381.48 | 4724.68 | 4697.99 | -230.88 | 369.81 | -138.11 | 115.14 | 41.73 | 2.78 | PASS |
| 4824.00† | 4788.00 | -354.33 | 391.72 | 4824.65 | 4797.23 | -237.72 | 379.67 | -138.18 | 117.60 | 42.66 | 2.78 | PASS |
| 4924.00† | 4887.04 | -363.59 | 401.96 | 4924.61 | 4896.48 | -244.56 | 389.52 | -138.24 | 120.06 | 43.59 | 2.78 | PASS |
| 5024.00† | 4986.08 | -372.86 | 412.20 | 5024.58 | 4995.73 | -251.40 | 399.37 | -138.30 | 122.51 | 44.51 | 2.78 | PASS |
| 5124.00† | 5085.13 | -382.12 | 422.43 | 5124.55 | 5094.98 | -258.24 | 409.22 | -138.36 | 124.97 | 45.44 | 2.77 | PASS |
| 5224.00† | 5184.17 | -391.38 | 432.67 | 5224.52 | 5194.22 | -265.08 | 419.07 | -138.42 | 127.42 | 46.37 | 2.77 | PASS |
| 5324.00† | 5283.21 | -400.64 | 442.91 | 5324.49 | 5293.47 | -271.92 | 428.93 | -138.48 | 129.88 | 47.30 | 2.77 | PASS |
| 5424.00† | 5382.25 | -409.90 | 453.15 | 5424.46 | 5392.72 | -278.76 | 438.78 | -138.53 | 132.34 | 48.22 | 2.77 | PASS |
| 5524.00† | 5481.30 | -419.16 | 463.39 | 5524.43 | 5491.97 | -285.60 | 448.63 | -138.58 | 134.80 | 49.15 | 2.76 | PASS |
| 5624.00† | 5580.34 | -428.42 | 473.63 | 5624.40 | 5591.21 | -292.44 | 458.48 | -138.63 | 137.25 | 50.08 | 2.76 | PASS |
| 5724.00† | 5679.38 | -437.68 | 483.86 | 5724.37 | 5690.46 | -299.28 | 468.33 | -138.68 | 139.71 | 51.01 | 2.76 | PASS |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) Well: MEAD 10 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 5824.00† | 5778.42 | -446.95 | 494.10 | 5824.34 | 5789.71 | -306.12 | 478.18 | -138.73 | 142.17 | 51.94 | 2.76 | PASS |
| 5924.00† | 5877.47 | -456.21 | 504.34 | 5924.31 | 5888.96 | -312.97 | 488.04 | -138.77 | 144.62 | 52.87 | 2.76 | PASS |
| 6024.00† | 5976.51 | -465.47 | 514.58 | 6024.28 | 5988.20 | -319.81 | 497.89 | -138.81 | 147.08 | 53.79 | 2.75 | PASS |
| 6124.00† | 6075.55 | -474.73 | 524.82 | 6124.25 | 6087.45 | -326.65 | 507.74 | -138.86 | 149.54 | 54.72 | 2.75 | PASS |
| 6224.00† | 6174.59 | -483.99 | 535.06 | 6224.22 | 6186.70 | -333.49 | 517.59 | -138.90 | 152.00 | 55.65 | 2.75 | PASS |
| 6324.00† | 6273.64 | -493.25 | 545.30 | 6324.19 | 6285.95 | -340.33 | 527.44 | -138.93 | 154.45 | 56.58 | 2.75 | PASS |
| 6424.00† | 6372.68 | -502.51 | 555.53 | 6424.16 | 6385.20 | -347.17 | 537.30 | -138.97 | 156.91 | 57.51 | 2.75 | PASS |
| 6524.00† | 6471.72 | -511.78 | 565.77 | 6524.13 | 6484.44 | -354.01 | 547.15 | -139.01 | 159.37 | 58.44 | 2.74 | PASS |
| 6624.00† | 6570.76 | -521.04 | 576.01 | 6624.10 | 6583.69 | -360.85 | 557.00 | -139.04 | 161.83 | 59.37 | 2.74 | PASS |
| 6656.26 | 6602.71 | -524.02 | 579.31 | 6656.35 | 6615.71 | -363.06 | 560.18 | -139.06 | 162.62 | 59.67 | 2.74 | PASS |
| 6724.00† | 6670.05 | -530.29 | 582.66 | 6723.96 | 6682.83 | -367.68 | 566.84 | 172.09 | 163.87 | 60.64 | 2.72 | PASS |
| 6824.00† | 6769.19 | -539.41 | 574.44 | 6822.19 | 6780.35 | -374.41 | 576.52 | 120.18 | 165.39 | 63.41 | 2.62 | PASS |
| 6924.00† | 6865.84 | -548.17 | 550.74 | 6919.91 | 6877.61 | -381.08 | 582.20 | 115.83 | 170.44 | 66.64 | 2.57 | PASS |
| 7024.00† | 6957.62 | -556.36 | 512.16 | 7022.60 | 6979.51 | -387.94 | 572.64 | 119.50 | 180.28 | 68.18 | 2.66 | PASS |
| 7124.00† | 7042.27 | -563.77 | 459.64 | 7130.98 | 7083.92 | -394.82 | 544.89 | 124.56 | 193.77 | 68.06 | 2.86 | PASS |
| 7224.00† | 7117.71 | -570.23 | 394.47 | 7245.73 | 7187.65 | -401.49 | 496.66 | 129.40 | 209.30 | 66.48 | 3.17 | PASS |
| 7324.00† | 7182.08 | -575.57 | 318.27 | 7367.29 | 7286.25 | -407.63 | 426.13 | 133.50 | 225.14 | 63.87 | 3.55 | PASS |
| 7424.00† | 7233.79 | -579.66 | 232.89 | 7495.73 | 7373.91 | -412.84 | 332.70 | 136.71 | 239.64 | 60.63 | 3.98 | PASS |
| 7524.00† | 7271.58 | -582.41 | 140.46 | 7630.48 | 7443.85 | -416.66 | 217.88 | 139.01 | 251.29 | 57.64 | 4.39 | PASS |
| 7624.00† | 7294.50 | -583.73 | 43.23 | 7770.16 | 7489.27 | -418.67 | 86.11 | 140.40 | 258.88 | 56.14 | 4.65 | PASS |
| 7722.04 | 7302.00 | -583.63 | -54.42 | 7909.80 | 7505.00 | -418.61 | -52.37 | 140.89 | 261.62 | 57.07 | 4.62 | PASS |
| 7724.00† | 7302.00 | -583.61 | -56.38 | 7912.47 | 7505.00 | -418.59 | -55.03 | 140.89 | 261.62 | 56.53 | 4.63 | PASS |
| 7824.00† | 7302.00 | -582.79 | -156.38 | 8012.47 | 7505.00 | -417.77 | -155.02 | 140.89 | 261.62 | 58.31 | 4.49 | PASS |
| 7924.00† | 7302.00 | -581.97 | -256.37 | 8112.47 | 7505.00 | -416.95 | -255.02 | 140.89 | 261.62 | 60.47 | 4.33 | PASS |
| 8024.00† | 7302.00 | -581.15 | -356.37 | 8212.47 | 7505.00 | -416.13 | -355.02 | 140.89 | 261.62 | 62.99 | 4.15 | PASS |
| 8124.00† | 7302.00 | -580.33 | -456.37 | 8312.47 | 7505.00 | -415.31 | -455.01 | 140.89 | 261.62 | 65.85 | 3.97 | PASS |
| 8224.00† | 7302.00 | -579.51 | -556.36 | 8412.47 | 7505.00 | -414.49 | -555.01 | 140.89 | 261.62 | 68.99 | 3.79 | PASS |
| 8324.00† | 7302.00 | -578.69 | -656.36 | 8512.47 | 7505.00 | -413.67 | -655.01 | 140.89 | 261.62 | 72.44 | 3.61 | PASS |
| 8424.00† | 7302.00 | -577.87 | -756.36 | 8612.47 | 7505.00 | -412.85 | -755.00 | 140.89 | 261.62 | 75.98 | 3.44 | PASS |
| 8524.00† | 7302.00 | -577.05 | -856.35 | 8712.47 | 7505.00 | -412.03 | -855.00 | 140.89 | 261.62 | 79.76 | 3.28 | PASS |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) Well: MEAD 10 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8624.00† | 7302.00 | -576.23 | -956.35 | 8812.47 | 7505.00 | -411.21 | -955.00 | 140.89 | 261.62 | 83.70 | 3.13 | PASS |
| 8724.00† | 7302.00 | -575.42 | -1056.35 | 8912.47 | 7505.00 | -410.39 | -1054.99 | 140.89 | 261.62 | 87.78 | 2.98 | PASS |
| 8824.00† | 7302.00 | -574.60 | -1156.34 | 9012.47 | 7505.00 | -409.57 | -1154.99 | 140.89 | 261.62 | 91.98 | 2.84 | PASS |
| 8924.00† | 7302.00 | -573.78 | -1256.34 | 9112.47 | 7505.00 | -408.75 | -1254.99 | 140.89 | 261.62 | 96.29 | 2.72 | PASS |
| 9024.00† | 7302.00 | -572.96 | -1356.34 | 9212.47 | 7505.00 | -407.93 | -1354.98 | 140.89 | 261.62 | 100.69 | 2.60 | PASS |
| 9124.00† | 7302.00 | -572.14 | -1456.33 | 9312.47 | 7505.00 | -407.11 | -1454.98 | 140.89 | 261.62 | 105.16 | 2.49 | PASS |
| 9224.00† | 7302.00 | -571.32 | -1556.33 | 9412.47 | 7505.00 | -406.29 | -1554.98 | 140.89 | 261.62 | 109.71 | 2.38 | PASS |
| 9324.00† | 7302.00 | -570.50 | -1656.33 | 9512.47 | 7505.00 | -405.47 | -1654.97 | 140.89 | 261.62 | 114.31 | 2.29 | PASS |
| 9424.00† | 7302.00 | -569.68 | -1756.32 | 9612.47 | 7505.00 | -404.65 | -1754.97 | 140.89 | 261.62 | 118.97 | 2.20 | PASS |
| 9524.00† | 7302.00 | -568.86 | -1856.32 | 9712.47 | 7505.00 | -403.83 | -1854.97 | 140.89 | 261.62 | 123.67 | 2.12 | PASS |
| 9624.00† | 7302.00 | -568.04 | -1956.32 | 9812.47 | 7505.00 | -403.01 | -1954.96 | 140.89 | 261.62 | 128.43 | 2.04 | PASS |
| 9724.00† | 7302.00 | -567.22 | -2056.31 | 9912.47 | 7505.00 | -402.19 | -2054.96 | 140.89 | 261.62 | 133.21 | 1.96 | PASS |
| 9824.00† | 7302.00 | -566.40 | -2156.31 | 10012.47 | 7505.00 | -401.37 | -2154.96 | 140.89 | 261.62 | 138.04 | 1.90 | PASS |
| 9924.00† | 7302.00 | -565.58 | -2256.31 | 10112.47 | 7505.00 | -400.55 | -2254.95 | 140.89 | 261.62 | 142.89 | 1.83 | PASS |
| 10024.00† | 7302.00 | -564.76 | -2356.30 | 10212.47 | 7505.00 | -399.73 | -2354.95 | 140.89 | 261.62 | 147.77 | 1.77 | PASS |
| 10124.00† | 7302.00 | -563.94 | -2456.30 | 10312.47 | 7505.00 | -398.91 | -2454.95 | 140.89 | 261.62 | 152.68 | 1.71 | PASS |
| 10224.00† | 7302.00 | -563.12 | -2556.30 | 10412.47 | 7505.00 | -398.09 | -2554.94 | 140.89 | 261.62 | 157.61 | 1.66 | PASS |
| 10324.00† | 7302.00 | -562.30 | -2656.29 | 10512.47 | 7505.00 | -397.27 | -2654.94 | 140.89 | 261.62 | 162.56 | 1.61 | PASS |
| 10424.00† | 7302.00 | -561.48 | -2756.29 | 10612.47 | 7505.00 | -396.45 | -2754.94 | 140.89 | 261.62 | 167.53 | 1.56 | PASS |
| 10524.00† | 7302.00 | -560.66 | -2856.29 | 10712.47 | 7505.00 | -395.63 | -2854.93 | 140.89 | 261.62 | 172.51 | 1.52 | PASS |
| 10624.00† | 7302.00 | -559.84 | -2956.28 | 10812.47 | 7505.00 | -394.81 | -2954.93 | 140.89 | 261.62 | 177.52 | 1.47 | PASS |
| 10724.00† | 7302.00 | -559.02 | -3056.28 | 10912.47 | 7505.00 | -393.99 | -3054.93 | 140.89 | 261.62 | 182.53 | 1.43 | PASS |
| 10824.00† | 7302.00 | -558.20 | -3156.28 | 11012.47 | 7505.00 | -393.17 | -3154.92 | 140.89 | 261.62 | 187.56 | 1.39 | PASS |
| 10924.00† | 7302.00 | -557.38 | -3256.27 | 11112.47 | 7505.00 | -392.35 | -3254.92 | 140.89 | 261.62 | 192.61 | 1.36 | PASS |
| 11024.00† | 7302.00 | -556.56 | -3356.27 | 11212.47 | 7505.00 | -391.53 | -3354.92 | 140.89 | 261.62 | 197.66 | 1.32 | PASS |
| 11124.00† | 7302.00 | -555.74 | -3456.27 | 11312.47 | 7505.00 | -390.71 | -3454.91 | 140.89 | 261.62 | 202.72 | 1.29 | PASS |
| 11224.00† | 7302.00 | -554.93 | -3556.26 | 11412.47 | 7505.00 | -389.89 | -3554.91 | 140.89 | 261.62 | 207.80 | 1.26 | PASS |
| 11324.00† | 7302.00 | -554.11 | -3656.26 | 11512.47 | 7505.00 | -389.07 | -3654.91 | 140.89 | 261.62 | 212.88 | 1.23 | PASS |
| 11424.00† | 7302.00 | -553.29 | -3756.26 | 11612.47 | 7505.00 | -388.25 | -3754.90 | 140.89 | 261.62 | 217.97 | 1.20 | PASS |
| 11524.00† | 7302.00 | -552.47 | -3856.25 | 11712.47 | 7505.00 | -387.43 | -3854.90 | 140.89 | 261.62 | 223.07 | 1.17 | PASS |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) Well: MEAD 10 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11624.00† | 7302.00 | -551.65 | -3956.25 | 11812.47 | 7505.00 | -386.61 | -3954.90 | 140.89 | 261.62 | 228.18 | 1.15 | PASS |
| 11724.00† | 7302.00 | -550.83 | -4056.25 | 11912.47 | 7505.00 | -385.79 | -4054.89 | 140.89 | 261.62 | 233.29 | 1.12 | PASS |
| 11824.00† | 7302.00 | -550.01 | -4156.24 | 12012.47 | 7505.00 | -384.97 | -4154.89 | 140.89 | 261.62 | 238.41 | 1.10 | PASS |
| 11924.00† | 7302.00 | -549.19 | -4256.24 | 12112.47 | 7505.00 | -384.15 | -4254.89 | 140.89 | 261.62 | 243.53 | 1.07 | PASS |
| 12024.00† | 7302.00 | -548.37 | -4356.24 | 12212.47 | 7505.00 | -383.33 | -4354.88 | 140.89 | 261.62 | 248.66 | 1.05 | PASS |
| 12124.00† | 7302.00 | -547.55 | -4456.23 | 12312.47 | 7505.00 | -382.52 | -4454.88 | 140.89 | 261.62 | 253.80 | 1.03 | PASS |
| 12224.00† | 7302.00 | -546.73 | -4556.23 | 12412.47 | 7505.00 | -381.70 | -4554.88 | 140.89 | 261.62 | 258.94 | 1.01 | PASS |
| 12324.00† | 7302.00 | -545.91 | -4656.23 | 12512.47 | 7505.00 | -380.88 | -4654.87 | 140.89 | 261.62 | 264.09 | 0.99 | FAIL |
| 12424.00† | 7302.00 | -545.09 | -4756.22 | 12612.47 | 7505.00 | -380.06 | -4754.87 | 140.89 | 261.62 | 269.24 | 0.97 | FAIL |
| 12524.00† | 7302.00 | -544.27 | -4856.22 | 12712.47 | 7505.00 | -379.24 | -4854.87 | 140.89 | 261.62 | 274.39 | 0.95 | FAIL |
| 12624.00† | 7302.00 | -543.45 | -4956.22 | 12812.47 | 7505.00 | -378.42 | -4954.86 | 140.89 | 261.62 | 279.55 | 0.94 | FAIL |
| 12724.00† | 7302.00 | -542.63 | -5056.21 | 12912.47 | 7505.00 | -377.60 | -5054.86 | 140.89 | 261.62 | 284.71 | 0.92 | FAIL |
| 12824.00† | 7302.00 | -541.81 | -5156.21 | 13012.47 | 7505.00 | -376.78 | -5154.86 | 140.89 | 261.62 | 289.88 | 0.90 | FAIL |
| 12924.00† | 7302.00 | -540.99 | -5256.21 | 13112.47 | 7505.00 | -375.96 | -5254.85 | 140.89 | 261.62 | 295.05 | 0.89 | FAIL |
| 13024.00† | 7302.00 | -540.17 | -5356.20 | 13212.47 | 7505.00 | -375.14 | -5354.85 | 140.89 | 261.62 | 300.22 | 0.87 | FAIL |
| 13124.00† | 7302.00 | -539.35 | -5456.20 | 13312.47 | 7505.00 | -374.32 | -5454.85 | 140.89 | 261.62 | 305.39 | 0.86 | FAIL |
| 13224.00† | 7302.00 | -538.53 | -5556.20 | 13412.47 | 7505.00 | -373.50 | -5554.84 | 140.89 | 261.62 | 310.57 | 0.84 | FAIL |
| 13324.00† | 7302.00 | -537.71 | -5656.19 | 13512.47 | 7505.00 | -372.68 | -5654.84 | 140.89 | 261.63 | 315.75 | 0.83 | FAIL |
| 13424.00† | 7302.00 | -536.89 | -5756.19 | 13612.47 | 7505.00 | -371.86 | -5754.84 | 140.89 | 261.63 | 320.94 | 0.82 | FAIL |
| 13524.00† | 7302.00 | -536.07 | -5856.19 | 13712.47 | 7505.00 | -371.04 | -5854.83 | 140.89 | 261.63 | 326.12 | 0.80 | FAIL |
| 13624.00† | 7302.00 | -535.25 | -5956.18 | 13812.47 | 7505.00 | -370.22 | -5954.83 | 140.89 | 261.63 | 331.31 | 0.79 | FAIL |
| 13724.00† | 7302.00 | -534.44 | -6056.18 | 13912.47 | 7505.00 | -369.40 | -6054.83 | 140.89 | 261.63 | 336.50 | 0.78 | FAIL |
| 13824.00† | 7302.00 | -533.62 | -6156.18 | 14012.47 | 7505.00 | -368.58 | -6154.82 | 140.89 | 261.63 | 341.69 | 0.77 | FAIL |
| 13924.00† | 7302.00 | -532.80 | -6256.17 | 14112.47 | 7505.00 | -367.76 | -6254.82 | 140.89 | 261.63 | 346.89 | 0.75 | FAIL |
| 14024.00† | 7302.00 | -531.98 | -6356.17 | 14212.47 | 7505.00 | -366.94 | -6354.82 | 140.89 | 261.63 | 352.08 | 0.74 | FAIL |
| 14124.00† | 7302.00 | -531.16 | -6456.17 | 14312.47 | 7505.00 | -366.12 | -6454.81 | 140.89 | 261.63 | 357.28 | 0.73 | FAIL |
| 14224.00† | 7302.00 | -530.34 | -6556.16 | 14412.47 | 7505.00 | -365.30 | -6554.81 | 140.89 | 261.63 | 362.48 | 0.72 | FAIL |
| 14324.00† | 7302.00 | -529.52 | -6656.16 | 14512.47 | 7505.00 | -364.48 | -6654.81 | 140.89 | 261.63 | 367.68 | 0.71 | FAIL |
| 14424.00† | 7302.00 | -528.70 | -6756.16 | 14612.47 | 7505.00 | -363.66 | -6754.80 | 140.89 | 261.63 | 372.89 | 0.70 | FAIL |
| 14524.00† | 7302.00 | -527.88 | -6856.15 | 14712.47 | 7505.00 | -362.84 | -6854.80 | 140.89 | 261.63 | 378.09 | 0.69 | FAIL |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

CLEARANCE DATA - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

Facility: SEC.09-T07N-R66W Slot: SLOT#10 MEAD 10(1586'FNL & 405'FEL,SEC.09) Well: MEAD 10 Threshold Value=1.00

† = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 14624.00† | 7302.00 | -527.06 | -6956.15 | 14812.47 | 7505.00 | -362.02 | -6954.80 | 140.89 | 261.63 | 383.29 | 0.68 | FAIL |
| 14724.00† | 7302.00 | -526.24 | -7056.15 | 14912.47 | 7505.00 | -361.20 | -7054.79 | 140.89 | 261.63 | 388.51 | 0.67 | FAIL |
| 14824.00† | 7302.00 | -525.42 | -7156.14 | 15012.47 | 7505.00 | -360.38 | -7154.79 | 140.89 | 261.63 | 393.71 | 0.66 | FAIL |
| 14924.00† | 7302.00 | -524.60 | -7256.14 | 15112.47 | 7505.00 | -359.56 | -7254.79 | 140.89 | 261.63 | 398.93 | 0.66 | FAIL |
| 15024.00† | 7302.00 | -523.78 | -7356.14 | 15212.47 | 7505.00 | -358.74 | -7354.78 | 140.89 | 261.63 | 404.14 | 0.65 | FAIL |
| 15124.00† | 7302.00 | -522.96 | -7456.13 | 15312.47 | 7505.00 | -357.92 | -7454.78 | 140.89 | 261.63 | 409.35 | 0.64 | FAIL |
| 15224.00† | 7302.00 | -522.14 | -7556.13 | 15412.47 | 7505.00 | -357.10 | -7554.78 | 140.89 | 261.63 | 414.56 | 0.63 | FAIL |
| 15324.00† | 7302.00 | -521.32 | -7656.13 | 15512.47 | 7505.00 | -356.28 | -7654.77 | 140.89 | 261.63 | 419.78 | 0.62 | FAIL |
| 15424.00† | 7302.00 | -520.50 | -7756.12 | 15612.47 | 7505.00 | -355.46 | -7754.77 | 140.89 | 261.63 | 425.00 | 0.62 | FAIL |
| 15524.00† | 7302.00 | -519.68 | -7856.12 | 15712.47 | 7505.00 | -354.64 | -7854.77 | 140.89 | 261.63 | 430.21 | 0.61 | FAIL |
| 15624.00† | 7302.00 | -518.86 | -7956.12 | 15812.47 | 7505.00 | -353.82 | -7954.76 | 140.89 | 261.63 | 435.43 | 0.60 | FAIL |
| 15724.00† | 7302.00 | -518.04 | -8056.11 | 15912.47 | 7505.00 | -353.00 | -8054.76 | 140.89 | 261.63 | 440.65 | 0.59 | FAIL |
| 15824.00† | 7302.00 | -517.22 | -8156.11 | 16012.47 | 7505.00 | -352.18 | -8154.76 | 140.89 | 261.63 | 445.87 | 0.59 | FAIL |
| 15924.00† | 7302.00 | -516.40 | -8256.11 | 16112.47 | 7505.00 | -351.36 | -8254.75 | 140.89 | 261.63 | 451.09 | 0.58 | FAIL |
| 16024.00† | 7302.00 | -515.58 | -8356.10 | 16212.47 | 7505.00 | -350.54 | -8354.75 | 140.89 | 261.63 | 456.32 | 0.57 | FAIL |
| 16124.00† | 7302.00 | -514.77 | -8456.10 | 16312.47 | 7505.00 | -349.72 | -8454.75 | 140.89 | 261.63 | 461.54 | 0.57 | FAIL |
| 16224.00† | 7302.00 | -513.95 | -8556.10 | 16412.47 | 7505.00 | -348.90 | -8554.74 | 140.89 | 261.63 | 466.76 | 0.56 | FAIL |
| 16324.00† | 7302.00 | -513.13 | -8656.09 | 16512.47 | 7505.00 | -348.08 | -8654.74 | 140.89 | 261.63 | 471.99 | 0.55 | FAIL |
| 16424.00† | 7302.00 | -512.31 | -8756.09 | 16612.47 | 7505.00 | -347.26 | -8754.74 | 140.89 | 261.63 | 477.21 | 0.55 | FAIL |
| 16524.00† | 7302.00 | -511.49 | -8856.09 | 16712.47 | 7505.00 | -346.44 | -8854.73 | 140.89 | 261.63 | 482.44 | 0.54 | FAIL |
| 16624.00† | 7302.00 | -510.67 | -8956.08 | 16812.47 | 7505.00 | -345.62 | -8954.73 | 140.89 | 261.63 | 487.67 | 0.54 | FAIL |
| 16724.00† | 7302.00 | -509.85 | -9056.08 | 16912.47 | 7505.00 | -344.81 | -9054.73 | 140.89 | 261.63 | 492.89 | 0.53 | FAIL |
| 16824.00† | 7302.00 | -509.03 | -9156.08 | 17012.47 | 7505.00 | -343.99 | -9154.72 | 140.89 | 261.63 | 498.12 | 0.53 | FAIL |
| 16924.00† | 7302.00 | -508.21 | -9256.07 | 17112.47 | 7505.00 | -343.17 | -9254.72 | 140.89 | 261.63 | 503.35 | 0.52 | FAIL |
| 17024.00† | 7302.00 | -507.39 | -9356.07 | 17212.47 | 7505.00 | -342.35 | -9354.72 | 140.89 | 261.63 | 508.58 | 0.51 | FAIL |
| 17124.00† | 7302.00 | -506.57 | -9456.07 | 17312.47 | 7505.00 | -341.53 | -9454.71 | 140.89 | 261.63 | 513.81 | 0.51 | FAIL |
| 17224.00† | 7302.00 | -505.75 | -9556.06 | 17412.47 | 7505.00 | -340.71 | -9554.71 | 140.89 | 261.63 | 519.04 | 0.50 | FAIL |
| 17324.00† | 7302.00 | -504.93 | -9656.06 | 17512.47 | 7505.00 | -339.89 | -9654.71 | 140.89 | 261.63 | 524.27 | 0.50 | FAIL |
| 17332.73 | 7302.00 | -504.86 | -9664.78 | 17520.53 | 7505.00 | -339.82 | -9662.77 | 140.89 | 261.63 | 524.65 | 0.50 | FAIL |



Clearance Report

MEAD 11 (REV-A.0) PWP

Closest Approach

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#11 MEAD 11(1612'FNL & 405'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 11 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 11 PWB |
| Facility | SEC.09-T07N-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 7in Casing Intermediate | 24.00 | 7912.14 | 7888.14 | 24.00 | 7505.00 | 15.79 | 0.00 | -119.69 | -16.67 |

SURVEY PROGRAM - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|------------------------------|------------------|-------------|
| 24.00 | 18000.00 | NaviTrak (Standard) | | MEAD 10 PWB |

OFFSET WELLPATH MD REFERENCE - Offset Wellbore: MEAD 10 PWB Offset Wellpath: MEAD 10 (REV-A.0) PWP

| | |
|--------------------------------|---|
| MD Reference: RIG (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 24.00ft |