

EXTRACTION OIL & GAS

Location: COLORADO Slot: SLOT#03 MEAD 3(1404'FNL & 403'FEL,SEC.09)
Field: WELD COUNTY (NAD83/TRUE NORTH) Well: MEAD 3
Facility: SEC.09-T07N-R66W Wellbore: MEAD 3 PWB

Plot reference wellpath is MEAD 3 (REV-A.0) PWB

| | |
|---|--|
| True vertical depths are referenced to RIG (RKB) | Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet |
| Measured depths are referenced to RIG (RKB) | North Reference: True north |
| RIG (RKB) to Mean Sea Level: 4991 feet | Scale: True distance |
| Mean Sea Level to Mud line (At Slot: SLOT#03 MEAD 3(1404'FNL & 403'FEL,SEC.09)): 0 feet | Depths are in feet |
| Coordinates are in feet referenced to Slot | Created by: painsr on 6/13/2014 |

Location Information

| Facility Name | | | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
|---|--------------|--------------|-------------------|--------------------|----------------|-----------------|
| SEC.09-T07N-R66W | | | 3201342.822 | 1459836.887 | 40°35'36.208"N | 104°46'29.986"W |
| Slot | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
| SLOT#03 MEAD 3(1404FNL & 403FEL,SEC.09) | -52.12 | -0.23 | 3201343.017 | 1459784.770 | 40°35'35.693"N | 104°46'29.989"W |
| RIG (RKB) to Mud line (At Slot: SLOT#03 MEAD 3(1404FNL & 403FEL,SEC.09)) | | | | | 4991ft | |
| Mean Sea Level to Mud line (At Slot: SLOT#03 MEAD 3(1404FNL & 403FEL,SEC.09)) | | | | | 0ft | |
| RIG (RKB) to Mean Sea Level | | | | | 4991ft | |

Targets

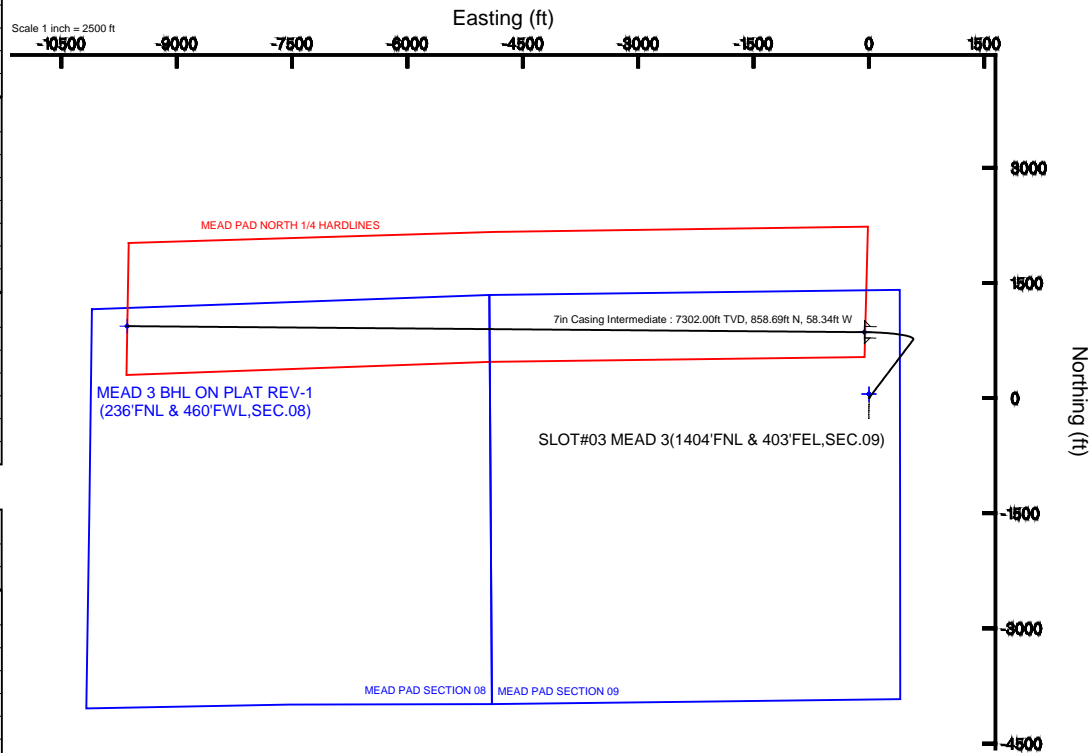
| Name | MD (ft) | TVD (ft) | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
|--|----------|----------|--------------|--------------|-------------------|--------------------|----------------|-----------------|
| MEAD PAD SECTION 08 | | 0.00 | 52.08 | 0.26 | 3201342.85 | 1459836.85 | 40°35'36.208"N | 104°46'29.986"W |
| MEAD PAD SECTION 09 | | 0.00 | 52.08 | 0.26 | 3201342.85 | 1459836.85 | 40°35'36.208"N | 104°46'29.986"W |
| MEAD 3 BHL ON PLAT REV-1(236'FNL & 460'FWL,SEC.08) | 17339.64 | 7302.00 | 937.09 | -9646.11 | 3191689.83 | 1460642.94 | 40°35'44.934"N | 104°48'35.032"W |
| MEAD 3 LANDING | 7751.54 | 7302.00 | 858.69 | -58.34 | 3201277.66 | 1460642.93 | 40°35'44.178"N | 104°46'30.745"W |
| MEAD PAD NORTH 1/4 HARDLINES | | 7505.00 | 52.08 | 0.26 | 3201342.85 | 1459836.85 | 40°35'36.208"N | 104°46'29.986"W |

Survey Program

| Start MD (ft) | End MD (ft) | Tool | Model | Log Name/Comment | Wellbore |
|---------------|-------------|----------|---------------------|------------------|------------|
| 24.00 | 18000.00 | NaviTrak | NaviTrak (Standard) | | MEAD 3 PWB |

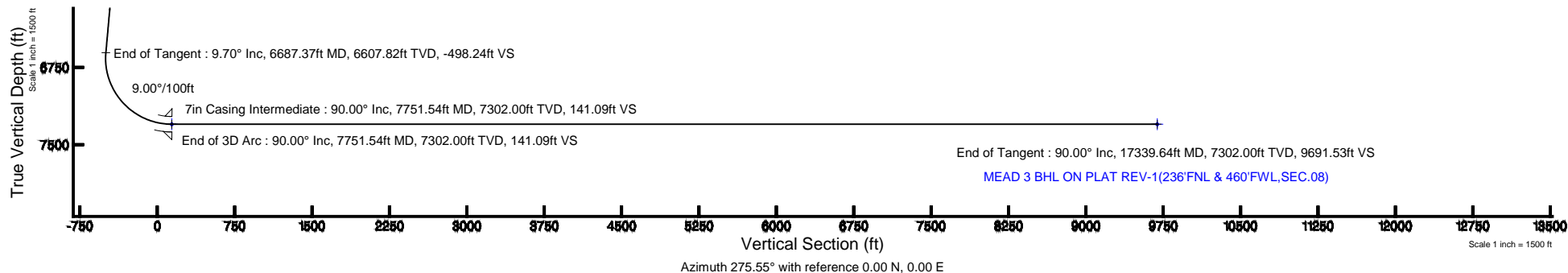
Well Profile Data

| Design Comment | MD (ft) | Inc (°) | Az (°) | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft) |
|----------------|----------|---------|---------|----------|--------------|--------------|---------------|---------|
| Tie On | 24.00 | 0.000 | 37.135 | 24.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| End of Tangent | 800.00 | 0.000 | 37.135 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| End of Build | 1285.02 | 9.700 | 37.135 | 1282.70 | 32.65 | 24.73 | 2.00 | -21.45 |
| End of Tangent | 6687.37 | 9.700 | 37.135 | 6607.82 | 758.33 | 574.25 | 0.00 | -498.24 |
| End of 3D Arc | 7751.54 | 90.000 | 270.468 | 7302.00 | 858.69 | -58.34 | 9.00 | 141.09 |
| End of Tangent | 17339.64 | 90.000 | 270.468 | 7302.00 | 937.09 | -9646.11 | 0.00 | 9691.53 |



BGGM (1945.0 to 2016.0) Dip: 67.10° Field: 52862.2 nT
Magnetic North is 8.56 degrees East of True North (at 6/12/2014)

To correct azimuth from Magnetic to True add 8.56 degrees





Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
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| Operator | EXTRACTION OIL & GAS | Slot | SLOT#03 MEAD 3(1404'FNL & 403'FEL,SEC.09) |
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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 10:30:33 AM |
| Convergence at slot | n/a | Database/Source file | WA_Denver/MEAD_3_PWB.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | -52.12 | -0.23 | 3201343.02 | 1459784.77 | 40°35'35.693"N | 104°46'29.989"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#03 MEAD 3(1404'FNL & 403'FEL,SEC.09)) | 4991.00ft |
| MD Reference Pt | RIG (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 275.55° |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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WELLPATH DATA (180 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|----------|-----------------|-------------|----------|----------------|------------|-----------|---------------|----------------|
| 0.00† | 0.000 | 37.135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24.00 | 0.000 | 37.135 | 24.00 | 0.00 | 0.00 | 0.00 | 0.00 | Tie On |
| 124.00† | 0.000 | 37.135 | 124.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 224.00† | 0.000 | 37.135 | 224.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 324.00† | 0.000 | 37.135 | 324.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 424.00† | 0.000 | 37.135 | 424.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 524.00† | 0.000 | 37.135 | 524.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 624.00† | 0.000 | 37.135 | 624.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 724.00† | 0.000 | 37.135 | 724.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 800.00 | 0.000 | 37.135 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | End of Tangent |
| 824.00† | 0.480 | 37.135 | 824.00 | -0.05 | 0.08 | 0.06 | 2.00 | |
| 924.00† | 2.480 | 37.135 | 923.96 | -1.41 | 2.14 | 1.62 | 2.00 | |
| 1024.00† | 4.480 | 37.135 | 1023.77 | -4.58 | 6.98 | 5.28 | 2.00 | |
| 1124.00† | 6.480 | 37.135 | 1123.31 | -9.59 | 14.59 | 11.05 | 2.00 | |
| 1224.00† | 8.480 | 37.135 | 1222.45 | -16.40 | 24.97 | 18.91 | 2.00 | |
| 1285.02 | 9.700 | 37.135 | 1282.70 | -21.45 | 32.65 | 24.73 | 2.00 | End of Build |
| 1324.00† | 9.700 | 37.135 | 1321.13 | -24.89 | 37.89 | 28.69 | 0.00 | |
| 1424.00† | 9.700 | 37.135 | 1419.70 | -33.72 | 51.32 | 38.86 | 0.00 | |
| 1524.00† | 9.700 | 37.135 | 1518.27 | -42.55 | 64.76 | 49.04 | 0.00 | |
| 1624.00† | 9.700 | 37.135 | 1616.84 | -51.37 | 78.19 | 59.21 | 0.00 | |
| 1724.00† | 9.700 | 37.135 | 1715.41 | -60.20 | 91.62 | 69.38 | 0.00 | |
| 1824.00† | 9.700 | 37.135 | 1813.98 | -69.02 | 105.05 | 79.55 | 0.00 | |
| 1924.00† | 9.700 | 37.135 | 1912.55 | -77.85 | 118.49 | 89.72 | 0.00 | |
| 2024.00† | 9.700 | 37.135 | 2011.12 | -86.67 | 131.92 | 99.90 | 0.00 | |
| 2124.00† | 9.700 | 37.135 | 2109.69 | -95.50 | 145.35 | 110.07 | 0.00 | |
| 2224.00† | 9.700 | 37.135 | 2208.26 | -104.32 | 158.78 | 120.24 | 0.00 | |
| 2324.00† | 9.700 | 37.135 | 2306.83 | -113.15 | 172.22 | 130.41 | 0.00 | |
| 2424.00† | 9.700 | 37.135 | 2405.40 | -121.97 | 185.65 | 140.58 | 0.00 | |
| 2524.00† | 9.700 | 37.135 | 2503.97 | -130.80 | 199.08 | 150.76 | 0.00 | |
| 2624.00† | 9.700 | 37.135 | 2602.54 | -139.63 | 212.51 | 160.93 | 0.00 | |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

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WELLPATH DATA (180 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|----------|
| 2724.00† | 9.700 | 37.135 | 2701.11 | -148.45 | 225.95 | 171.10 | 0.00 | |
| 2824.00† | 9.700 | 37.135 | 2799.68 | -157.28 | 239.38 | 181.27 | 0.00 | |
| 2924.00† | 9.700 | 37.135 | 2898.25 | -166.10 | 252.81 | 191.44 | 0.00 | |
| 3024.00† | 9.700 | 37.135 | 2996.82 | -174.93 | 266.25 | 201.62 | 0.00 | |
| 3124.00† | 9.700 | 37.135 | 3095.39 | -183.75 | 279.68 | 211.79 | 0.00 | |
| 3224.00† | 9.700 | 37.135 | 3193.96 | -192.58 | 293.11 | 221.96 | 0.00 | |
| 3324.00† | 9.700 | 37.135 | 3292.53 | -201.40 | 306.54 | 232.13 | 0.00 | |
| 3424.00† | 9.700 | 37.135 | 3391.10 | -210.23 | 319.98 | 242.30 | 0.00 | |
| 3524.00† | 9.700 | 37.135 | 3489.67 | -219.06 | 333.41 | 252.48 | 0.00 | |
| 3624.00† | 9.700 | 37.135 | 3588.24 | -227.88 | 346.84 | 262.65 | 0.00 | |
| 3724.00† | 9.700 | 37.135 | 3686.81 | -236.71 | 360.27 | 272.82 | 0.00 | |
| 3824.00† | 9.700 | 37.135 | 3785.39 | -245.53 | 373.71 | 282.99 | 0.00 | |
| 3924.00† | 9.700 | 37.135 | 3883.96 | -254.36 | 387.14 | 293.16 | 0.00 | |
| 4024.00† | 9.700 | 37.135 | 3982.53 | -263.18 | 400.57 | 303.34 | 0.00 | |
| 4124.00† | 9.700 | 37.135 | 4081.10 | -272.01 | 414.00 | 313.51 | 0.00 | |
| 4224.00† | 9.700 | 37.135 | 4179.67 | -280.83 | 427.44 | 323.68 | 0.00 | |
| 4324.00† | 9.700 | 37.135 | 4278.24 | -289.66 | 440.87 | 333.85 | 0.00 | |
| 4424.00† | 9.700 | 37.135 | 4376.81 | -298.48 | 454.30 | 344.02 | 0.00 | |
| 4524.00† | 9.700 | 37.135 | 4475.38 | -307.31 | 467.74 | 354.20 | 0.00 | |
| 4624.00† | 9.700 | 37.135 | 4573.95 | -316.14 | 481.17 | 364.37 | 0.00 | |
| 4724.00† | 9.700 | 37.135 | 4672.52 | -324.96 | 494.60 | 374.54 | 0.00 | |
| 4824.00† | 9.700 | 37.135 | 4771.09 | -333.79 | 508.03 | 384.71 | 0.00 | |
| 4924.00† | 9.700 | 37.135 | 4869.66 | -342.61 | 521.47 | 394.88 | 0.00 | |
| 5024.00† | 9.700 | 37.135 | 4968.23 | -351.44 | 534.90 | 405.06 | 0.00 | |
| 5124.00† | 9.700 | 37.135 | 5066.80 | -360.26 | 548.33 | 415.23 | 0.00 | |
| 5224.00† | 9.700 | 37.135 | 5165.37 | -369.09 | 561.76 | 425.40 | 0.00 | |
| 5324.00† | 9.700 | 37.135 | 5263.94 | -377.91 | 575.20 | 435.57 | 0.00 | |
| 5424.00† | 9.700 | 37.135 | 5362.51 | -386.74 | 588.63 | 445.74 | 0.00 | |
| 5524.00† | 9.700 | 37.135 | 5461.08 | -395.57 | 602.06 | 455.92 | 0.00 | |
| 5624.00† | 9.700 | 37.135 | 5559.65 | -404.39 | 615.50 | 466.09 | 0.00 | |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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|----------|-----------------|-------------|----------------------|----------------|------------|-----------|---------------|----------------|
| 5724.00† | 9.700 | 37.135 | 5658.22 | -413.22 | 628.93 | 476.26 | 0.00 | |
| 5824.00† | 9.700 | 37.135 | 5756.79 | -422.04 | 642.36 | 486.43 | 0.00 | |
| 5924.00† | 9.700 | 37.135 | 5855.36 | -430.87 | 655.79 | 496.60 | 0.00 | |
| 6024.00† | 9.700 | 37.135 | 5953.93 | -439.69 | 669.23 | 506.78 | 0.00 | |
| 6124.00† | 9.700 | 37.135 | 6052.50 | -448.52 | 682.66 | 516.95 | 0.00 | |
| 6224.00† | 9.700 | 37.135 | 6151.07 | -457.34 | 696.09 | 527.12 | 0.00 | |
| 6324.00† | 9.700 | 37.135 | 6249.64 | -466.17 | 709.52 | 537.29 | 0.00 | |
| 6424.00† | 9.700 | 37.135 | 6348.21 | -474.99 | 722.96 | 547.46 | 0.00 | |
| 6524.00† | 9.700 | 37.135 | 6446.78 | -483.82 | 736.39 | 557.64 | 0.00 | |
| 6624.00† | 9.700 | 37.135 | 6545.35 | -492.65 | 749.82 | 567.81 | 0.00 | |
| 6687.37 | 9.700 | 37.135 | 6607.82 | -498.24 | 758.33 | 574.25 | 0.00 | End of Tangent |
| 6724.00† | 8.189 | 18.142 | 6644.01 | -500.42 | 763.27 | 576.93 | 9.00 | |
| 6824.00† | 10.160 | 320.387 | 6742.92 | -495.71 | 776.87 | 573.52 | 9.00 | |
| 6924.00† | 17.331 | 296.533 | 6840.06 | -475.51 | 790.34 | 554.53 | 9.00 | |
| 7024.00† | 25.661 | 287.051 | 6933.05 | -440.31 | 803.37 | 520.43 | 9.00 | |
| 7124.00† | 34.315 | 282.057 | 7019.60 | -390.99 | 815.63 | 472.07 | 9.00 | |
| 7224.00† | 43.098 | 278.895 | 7097.56 | -328.75 | 826.83 | 410.62 | 9.00 | |
| 7324.00† | 51.943 | 276.631 | 7165.03 | -255.13 | 836.67 | 337.62 | 9.00 | |
| 7424.00† | 60.821 | 274.860 | 7220.35 | -171.95 | 844.94 | 254.84 | 9.00 | |
| 7524.00† | 69.720 | 273.373 | 7262.14 | -81.24 | 851.41 | 164.34 | 9.00 | |
| 7624.00† | 78.629 | 272.049 | 7289.39 | 14.75 | 855.93 | 68.33 | 9.00 | |
| 7724.00† | 87.545 | 270.805 | 7301.41 | 113.66 | 858.39 | -30.81 | 9.00 | |
| 7751.54 | 90.000 | 270.468 | 7302.00 ¹ | 141.09 | 858.69 | -58.34 | 9.00 | End of 3D Arc |
| 7824.00† | 90.000 | 270.468 | 7302.00 | 213.27 | 859.29 | -130.80 | 0.00 | |
| 7924.00† | 90.000 | 270.468 | 7302.00 | 312.88 | 860.10 | -230.79 | 0.00 | |
| 8024.00† | 90.000 | 270.468 | 7302.00 | 412.48 | 860.92 | -330.79 | 0.00 | |
| 8124.00† | 90.000 | 270.468 | 7302.00 | 512.09 | 861.74 | -430.79 | 0.00 | |
| 8224.00† | 90.000 | 270.468 | 7302.00 | 611.70 | 862.56 | -530.78 | 0.00 | |
| 8324.00† | 90.000 | 270.468 | 7302.00 | 711.30 | 863.37 | -630.78 | 0.00 | |
| 8424.00† | 90.000 | 270.468 | 7302.00 | 810.91 | 864.19 | -730.78 | 0.00 | |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|----------|
| 8524.00† | 90.000 | 270.468 | 7302.00 | 910.52 | 865.01 | -830.77 | 0.00 | |
| 8624.00† | 90.000 | 270.468 | 7302.00 | 1010.13 | 865.83 | -930.77 | 0.00 | |
| 8724.00† | 90.000 | 270.468 | 7302.00 | 1109.73 | 866.64 | -1030.77 | 0.00 | |
| 8824.00† | 90.000 | 270.468 | 7302.00 | 1209.34 | 867.46 | -1130.76 | 0.00 | |
| 8924.00† | 90.000 | 270.468 | 7302.00 | 1308.95 | 868.28 | -1230.76 | 0.00 | |
| 9024.00† | 90.000 | 270.468 | 7302.00 | 1408.55 | 869.10 | -1330.76 | 0.00 | |
| 9124.00† | 90.000 | 270.468 | 7302.00 | 1508.16 | 869.91 | -1430.75 | 0.00 | |
| 9224.00† | 90.000 | 270.468 | 7302.00 | 1607.77 | 870.73 | -1530.75 | 0.00 | |
| 9324.00† | 90.000 | 270.468 | 7302.00 | 1707.38 | 871.55 | -1630.75 | 0.00 | |
| 9424.00† | 90.000 | 270.468 | 7302.00 | 1806.98 | 872.37 | -1730.74 | 0.00 | |
| 9524.00† | 90.000 | 270.468 | 7302.00 | 1906.59 | 873.19 | -1830.74 | 0.00 | |
| 9624.00† | 90.000 | 270.468 | 7302.00 | 2006.20 | 874.00 | -1930.73 | 0.00 | |
| 9724.00† | 90.000 | 270.468 | 7302.00 | 2105.80 | 874.82 | -2030.73 | 0.00 | |
| 9824.00† | 90.000 | 270.468 | 7302.00 | 2205.41 | 875.64 | -2130.73 | 0.00 | |
| 9924.00† | 90.000 | 270.468 | 7302.00 | 2305.02 | 876.46 | -2230.72 | 0.00 | |
| 10024.00† | 90.000 | 270.468 | 7302.00 | 2404.63 | 877.27 | -2330.72 | 0.00 | |
| 10124.00† | 90.000 | 270.468 | 7302.00 | 2504.23 | 878.09 | -2430.72 | 0.00 | |
| 10224.00† | 90.000 | 270.468 | 7302.00 | 2603.84 | 878.91 | -2530.71 | 0.00 | |
| 10324.00† | 90.000 | 270.468 | 7302.00 | 2703.45 | 879.73 | -2630.71 | 0.00 | |
| 10424.00† | 90.000 | 270.468 | 7302.00 | 2803.05 | 880.54 | -2730.71 | 0.00 | |
| 10524.00† | 90.000 | 270.468 | 7302.00 | 2902.66 | 881.36 | -2830.70 | 0.00 | |
| 10624.00† | 90.000 | 270.468 | 7302.00 | 3002.27 | 882.18 | -2930.70 | 0.00 | |
| 10724.00† | 90.000 | 270.468 | 7302.00 | 3101.88 | 883.00 | -3030.70 | 0.00 | |
| 10824.00† | 90.000 | 270.468 | 7302.00 | 3201.48 | 883.81 | -3130.69 | 0.00 | |
| 10924.00† | 90.000 | 270.468 | 7302.00 | 3301.09 | 884.63 | -3230.69 | 0.00 | |
| 11024.00† | 90.000 | 270.468 | 7302.00 | 3400.70 | 885.45 | -3330.69 | 0.00 | |
| 11124.00† | 90.000 | 270.468 | 7302.00 | 3500.30 | 886.27 | -3430.68 | 0.00 | |
| 11224.00† | 90.000 | 270.468 | 7302.00 | 3599.91 | 887.09 | -3530.68 | 0.00 | |
| 11324.00† | 90.000 | 270.468 | 7302.00 | 3699.52 | 887.90 | -3630.68 | 0.00 | |
| 11424.00† | 90.000 | 270.468 | 7302.00 | 3799.13 | 888.72 | -3730.67 | 0.00 | |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|---|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#03 MEAD 3(1404'FNL & 403'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 3 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 3 PWB |
| Facility | SEC.09-T07N-R66W | | |

WELLPATH DATA (180 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|----------|
| 11524.00† | 90.000 | 270.468 | 7302.00 | 3898.73 | 889.54 | -3830.67 | 0.00 | |
| 11624.00† | 90.000 | 270.468 | 7302.00 | 3998.34 | 890.36 | -3930.67 | 0.00 | |
| 11724.00† | 90.000 | 270.468 | 7302.00 | 4097.95 | 891.17 | -4030.66 | 0.00 | |
| 11824.00† | 90.000 | 270.468 | 7302.00 | 4197.55 | 891.99 | -4130.66 | 0.00 | |
| 11924.00† | 90.000 | 270.468 | 7302.00 | 4297.16 | 892.81 | -4230.66 | 0.00 | |
| 12024.00† | 90.000 | 270.468 | 7302.00 | 4396.77 | 893.63 | -4330.65 | 0.00 | |
| 12124.00† | 90.000 | 270.468 | 7302.00 | 4496.38 | 894.44 | -4430.65 | 0.00 | |
| 12224.00† | 90.000 | 270.468 | 7302.00 | 4595.98 | 895.26 | -4530.65 | 0.00 | |
| 12324.00† | 90.000 | 270.468 | 7302.00 | 4695.59 | 896.08 | -4630.64 | 0.00 | |
| 12424.00† | 90.000 | 270.468 | 7302.00 | 4795.20 | 896.90 | -4730.64 | 0.00 | |
| 12524.00† | 90.000 | 270.468 | 7302.00 | 4894.81 | 897.71 | -4830.64 | 0.00 | |
| 12624.00† | 90.000 | 270.468 | 7302.00 | 4994.41 | 898.53 | -4930.63 | 0.00 | |
| 12724.00† | 90.000 | 270.468 | 7302.00 | 5094.02 | 899.35 | -5030.63 | 0.00 | |
| 12824.00† | 90.000 | 270.468 | 7302.00 | 5193.63 | 900.17 | -5130.63 | 0.00 | |
| 12924.00† | 90.000 | 270.468 | 7302.00 | 5293.23 | 900.99 | -5230.62 | 0.00 | |
| 13024.00† | 90.000 | 270.468 | 7302.00 | 5392.84 | 901.80 | -5330.62 | 0.00 | |
| 13124.00† | 90.000 | 270.468 | 7302.00 | 5492.45 | 902.62 | -5430.62 | 0.00 | |
| 13224.00† | 90.000 | 270.468 | 7302.00 | 5592.06 | 903.44 | -5530.61 | 0.00 | |
| 13324.00† | 90.000 | 270.468 | 7302.00 | 5691.66 | 904.26 | -5630.61 | 0.00 | |
| 13424.00† | 90.000 | 270.468 | 7302.00 | 5791.27 | 905.07 | -5730.61 | 0.00 | |
| 13524.00† | 90.000 | 270.468 | 7302.00 | 5890.88 | 905.89 | -5830.60 | 0.00 | |
| 13624.00† | 90.000 | 270.468 | 7302.00 | 5990.48 | 906.71 | -5930.60 | 0.00 | |
| 13724.00† | 90.000 | 270.468 | 7302.00 | 6090.09 | 907.53 | -6030.60 | 0.00 | |
| 13824.00† | 90.000 | 270.468 | 7302.00 | 6189.70 | 908.34 | -6130.59 | 0.00 | |
| 13924.00† | 90.000 | 270.468 | 7302.00 | 6289.31 | 909.16 | -6230.59 | 0.00 | |
| 14024.00† | 90.000 | 270.468 | 7302.00 | 6388.91 | 909.98 | -6330.59 | 0.00 | |
| 14124.00† | 90.000 | 270.468 | 7302.00 | 6488.52 | 910.80 | -6430.58 | 0.00 | |
| 14224.00† | 90.000 | 270.468 | 7302.00 | 6588.13 | 911.61 | -6530.58 | 0.00 | |
| 14324.00† | 90.000 | 270.468 | 7302.00 | 6687.73 | 912.43 | -6630.58 | 0.00 | |
| 14424.00† | 90.000 | 270.468 | 7302.00 | 6787.34 | 913.25 | -6730.57 | 0.00 | |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|---|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#03 MEAD 3(1404'FNL & 403'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 3 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 3 PWB |
| Facility | SEC.09-T07N-R66W | | |

WELLPATH DATA (180 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|-----------|-----------------|-------------|----------------------|----------------|------------|-----------|---------------|----------------|
| 14524.00† | 90.000 | 270.468 | 7302.00 | 6886.95 | 914.07 | -6830.57 | 0.00 | |
| 14624.00† | 90.000 | 270.468 | 7302.00 | 6986.56 | 914.89 | -6930.57 | 0.00 | |
| 14724.00† | 90.000 | 270.468 | 7302.00 | 7086.16 | 915.70 | -7030.56 | 0.00 | |
| 14824.00† | 90.000 | 270.468 | 7302.00 | 7185.77 | 916.52 | -7130.56 | 0.00 | |
| 14924.00† | 90.000 | 270.468 | 7302.00 | 7285.38 | 917.34 | -7230.56 | 0.00 | |
| 15024.00† | 90.000 | 270.468 | 7302.00 | 7384.98 | 918.16 | -7330.55 | 0.00 | |
| 15124.00† | 90.000 | 270.468 | 7302.00 | 7484.59 | 918.97 | -7430.55 | 0.00 | |
| 15224.00† | 90.000 | 270.468 | 7302.00 | 7584.20 | 919.79 | -7530.55 | 0.00 | |
| 15324.00† | 90.000 | 270.468 | 7302.00 | 7683.81 | 920.61 | -7630.54 | 0.00 | |
| 15424.00† | 90.000 | 270.468 | 7302.00 | 7783.41 | 921.43 | -7730.54 | 0.00 | |
| 15524.00† | 90.000 | 270.468 | 7302.00 | 7883.02 | 922.24 | -7830.54 | 0.00 | |
| 15624.00† | 90.000 | 270.468 | 7302.00 | 7982.63 | 923.06 | -7930.53 | 0.00 | |
| 15724.00† | 90.000 | 270.468 | 7302.00 | 8082.23 | 923.88 | -8030.53 | 0.00 | |
| 15824.00† | 90.000 | 270.468 | 7302.00 | 8181.84 | 924.70 | -8130.53 | 0.00 | |
| 15924.00† | 90.000 | 270.468 | 7302.00 | 8281.45 | 925.51 | -8230.52 | 0.00 | |
| 16024.00† | 90.000 | 270.468 | 7302.00 | 8381.06 | 926.33 | -8330.52 | 0.00 | |
| 16124.00† | 90.000 | 270.468 | 7302.00 | 8480.66 | 927.15 | -8430.52 | 0.00 | |
| 16224.00† | 90.000 | 270.468 | 7302.00 | 8580.27 | 927.97 | -8530.51 | 0.00 | |
| 16324.00† | 90.000 | 270.468 | 7302.00 | 8679.88 | 928.79 | -8630.51 | 0.00 | |
| 16424.00† | 90.000 | 270.468 | 7302.00 | 8779.48 | 929.60 | -8730.51 | 0.00 | |
| 16524.00† | 90.000 | 270.468 | 7302.00 | 8879.09 | 930.42 | -8830.50 | 0.00 | |
| 16624.00† | 90.000 | 270.468 | 7302.00 | 8978.70 | 931.24 | -8930.50 | 0.00 | |
| 16724.00† | 90.000 | 270.468 | 7302.00 | 9078.31 | 932.06 | -9030.50 | 0.00 | |
| 16824.00† | 90.000 | 270.468 | 7302.00 | 9177.91 | 932.87 | -9130.49 | 0.00 | |
| 16924.00† | 90.000 | 270.468 | 7302.00 | 9277.52 | 933.69 | -9230.49 | 0.00 | |
| 17024.00† | 90.000 | 270.468 | 7302.00 | 9377.13 | 934.51 | -9330.49 | 0.00 | |
| 17124.00† | 90.000 | 270.468 | 7302.00 | 9476.73 | 935.33 | -9430.48 | 0.00 | |
| 17224.00† | 90.000 | 270.468 | 7302.00 | 9576.34 | 936.14 | -9530.48 | 0.00 | |
| 17324.00† | 90.000 | 270.468 | 7302.00 | 9675.95 | 936.96 | -9630.48 | 0.00 | |
| 17339.64 | 90.000 | 270.468 | 7302.00 ² | 9691.53 | 937.09 | -9646.11 | 0.00 | End of Tangent |



Planned Wellpath Report

MEAD 3 (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|---|
| Operator | EXTRACTION OIL & GAS | Slot | SLOT#03 MEAD 3(1404'FNL & 403'FEL,SEC.09) |
| Area | COLORADO | Well | MEAD 3 |
| Field | WELD COUNTY (NAD83/TRUE NORTH) | Wellbore | MEAD 3 PWB |
| Facility | SEC.09-T07N-R66W | | |

HOLE & CASING SECTIONS - Ref Wellbore: MEAD 3 PWB Ref Wellpath: MEAD 3 (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 | 7751.54 | 7727.54 | 24.00 | 7302.00 | 0.00 | 0.00 | 858.69 | -58.34 |

TARGETS

| Name | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|--|----------|----------|------------|-----------|-------------------|--------------------|----------------|-----------------|---------|
| MEAD PAD SECTION 08 | | 0.00 | 52.08 | 0.26 | 3201342.85 | 1459836.85 | 40°35'36.208"N | 104°46'29.986"W | polygon |
| MEAD PAD SECTION 09 | | 0.00 | 52.08 | 0.26 | 3201342.85 | 1459836.85 | 40°35'36.208"N | 104°46'29.986"W | polygon |
| 2) MEAD 3 BHL ON PLAT REV-1 (236'FNL & 460'FWL,SEC.08) | 17339.64 | 7302.00 | 937.09 | -9646.11 | 3191689.83 | 1460642.94 | 40°35'44.934"N | 104°48'35.032"W | point |
| 1) MEAD 3 LANDING | 7751.54 | 7302.00 | 858.69 | -58.34 | 3201277.66 | 1460642.93 | 40°35'44.178"N | 104°46'30.745"W | point |
| MEAD PAD NORTH 1/4 HARDLINES | | 7505.00 | 52.08 | 0.26 | 3201342.85 | 1459836.85 | 40°35'36.208"N | 104°46'29.986"W | polygon |

SURVEY PROGRAM - Ref Wellbore: MEAD 3 PWB Ref Wellpath: MEAD 3 (REV-A.0) PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|------------------------------|------------------|------------|
| 24.00 | 18000.00 | NaviTrak (Standard) | | MEAD 3 PWB |