

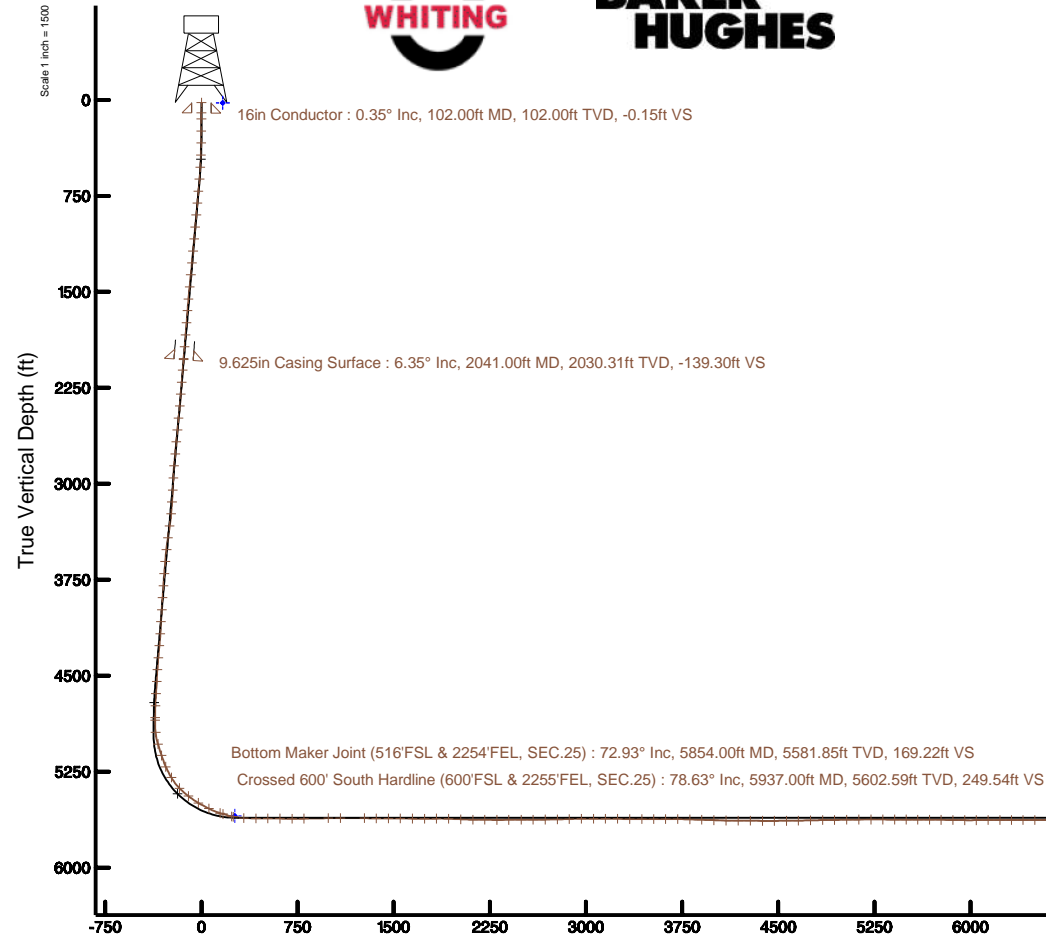
# WHITING OIL & GAS CORPORATION

Location: COLORADO Slot: SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25)  
Field: WELD COUNTY Well: RAZOR #250-2410  
Facility: SEC.25-T10N-R58W Wellbore: RAZOR #250-2410 PWB

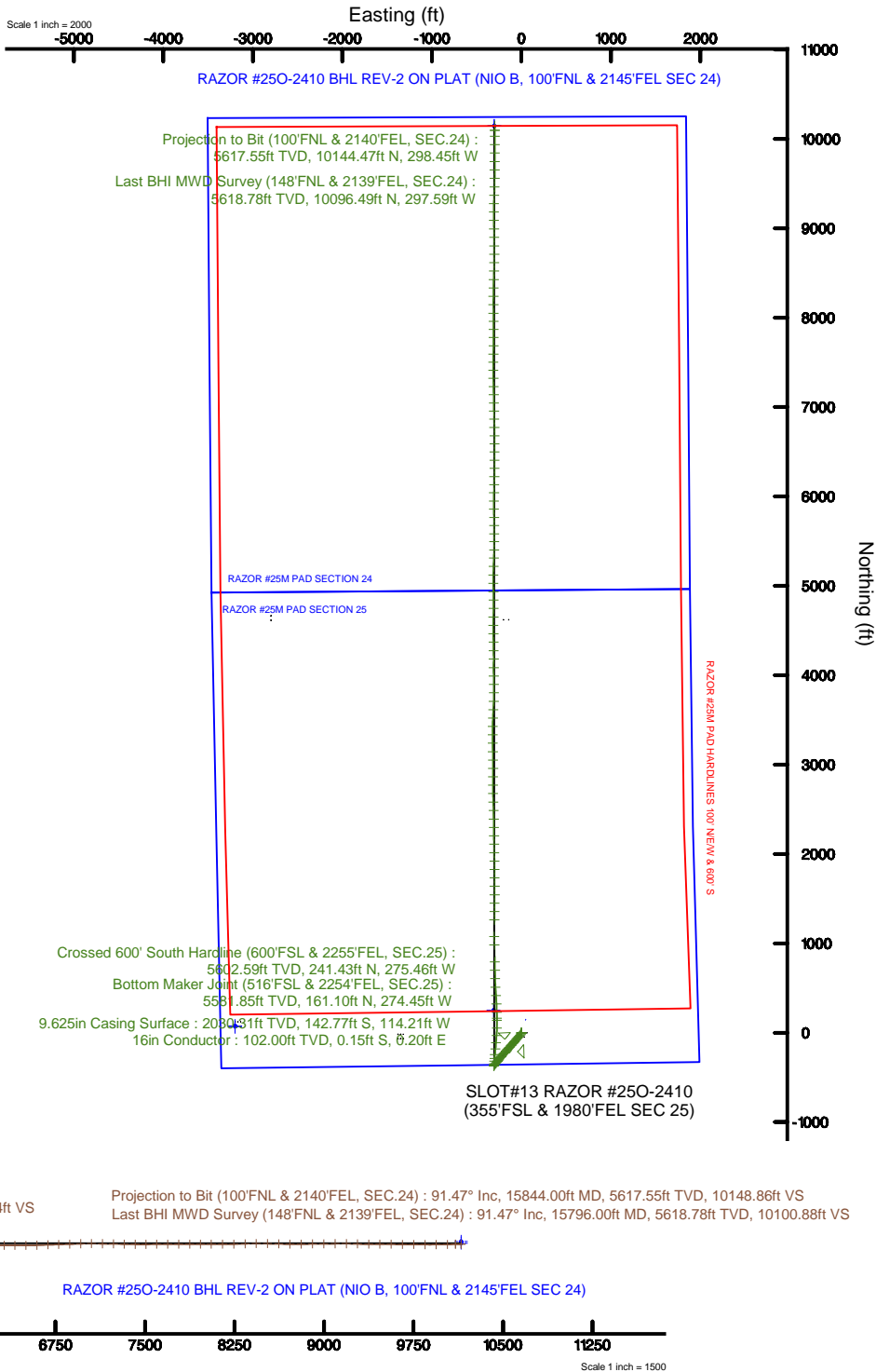
|   |  |
|---|--|
| Plot reference wellpath is RAZOR #250-2410 REV-B.0 PWP  | Grid System: NAD83 / Lambert Colorado SP. Northern Zone (501), US feet |
| True vertical depths are referenced to UNIT 406 (21) (RKB)  | * = Wellpath was transformed from a different geodetic datum           |
| Measured depths are referenced to UNIT 406 (21) (RKB)   | North Reference: True north  |
| UNIT 406 (21) (RKB) to Mean Sea Level: 4739 feet  | Scale: True distance   |
| Mean Sea Level to Mud line (At Slot: SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25)): 0 feet | Depths are in feet   |
| Coordinates are in feet referenced to Slot  | Created by: ingnjamm on 2016-12-15                                     |
|   | Database: WA_DEN_Derby.Deln  |

## Location Information

| Facility Name  |              |              |                   | Grid East (US ft)  | Grid North (US ft) | Latitude        | Longitude       |
|--|--------------|--------------|-------------------|--------------------|--------------------|-----------------|-----------------|
| SEC.25-T10N-R58W   |              |              |                   | 3464569.074        | 1540014.606        | 40°48'13.160"N  | 103°49'18.690"W |
| Slot   | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) | Latitude           | Longitude       |                 |
| SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25)  | -70.64       | 3198.41      | 3467768.257       | 1540004.509        | 40°48'12.460"N     | 103°49'37.100"W |                 |
| UNIT 406 (21) (RKB) to Mud line (At Slot: SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25)) |              |              |                   |                    |                    | 4739ft          |                 |
| Mean Sea Level to Mud line (At Slot: SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25))      |              |              |                   |                    |                    | 0ft             |                 |
| UNIT 406 (21) (RKB) to Mean Sea Level  |              |              |                   |                    |                    | 4739ft          |                 |



Azimuth 358.29° with reference 0.00 N, 0.00 E





# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## REPORT SETUP INFORMATION

|                     |   |                      |  |
|---------------------|---|----------------------|--|
| Projection System   | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System      | WellArchitect® 5.0                         |
| North Reference     | True  | User                 | Ingmjmr                                    |
| Scale               | 1.000003  | Report Generated     | 12/15/2016 at 9:48:33 AM                   |
| Convergence at slot | 1.10° East  | Database/Source file | WA_DEN_Denver_Defn/RAZOR_#250-2410_AWP.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude       |
| Slot Location         | -70.64            | 3198.41  | 3467768.26       | 1540004.51      | 40°48'12.460"N         | 103°48'37.100"W |
| Facility Reference Pt |                   |          | 3464569.07       | 1540014.61      | 40°48'13.160"N         | 103°49'18.690"W |
| Field Reference Pt    |                   |          | 3471270.16       | 1558347.59      | 40°51'13.010"N         | 103°47'46.990"W |

## WELLPATH DATUM

|                          |                      |  |                   |
|--------------------------|----------------------|--|-------------------|
| Calculation method       | Minimum curvature    | UNIT 406 (21') (RKB) to Facility Vertical Datum  | 4739.00ft         |
| Horizontal Reference Pt  | Slot                 | UNIT 406 (21') (RKB) to Mean Sea Level   | 4739.00ft         |
| Vertical Reference Pt    | UNIT 406 (21') (RKB) | UNIT 406 (21') (RKB) to Mud Line at Slot (SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25)) | 4739.00ft         |
| MD Reference Pt          | UNIT 406 (21') (RKB) | Section Origin   | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level       | Section Azimuth  | 358.29°           |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH DATA (172 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|----------|
| 0.00†      | 0.000              | 126.190        | 0.00        | 0.00              | 0.00          | 0.00         | 40°48'12.460"N | 103°48'37.100"W | 0.00             |          |
| 21.00      | 0.000              | 126.190        | 21.00       | 0.00              | 0.00          | 0.00         | 40°48'12.460"N | 103°48'37.100"W | 0.00             |          |
| 149.00     | 0.560              | 126.190        | 149.00      | -0.38             | -0.37         | 0.50         | 40°48'12.456"N | 103°48'37.093"W | 0.44             |          |
| 243.00     | 0.630              | 139.020        | 242.99      | -1.07             | -1.03         | 1.21         | 40°48'12.450"N | 103°48'37.084"W | 0.16             |          |
| 337.00     | 0.700              | 140.430        | 336.99      | -1.92             | -1.86         | 1.92         | 40°48'12.442"N | 103°48'37.075"W | 0.08             |          |
| 431.00     | 1.930              | 183.460        | 430.96      | -3.95             | -3.89         | 2.19         | 40°48'12.422"N | 103°48'37.072"W | 1.59             |          |
| 526.00     | 3.810              | 205.470        | 525.84      | -8.35             | -8.33         | 0.74         | 40°48'12.378"N | 103°48'37.090"W | 2.26             |          |
| 620.00     | 5.620              | 215.410        | 619.52      | -14.80            | -14.90        | -3.27        | 40°48'12.313"N | 103°48'37.143"W | 2.11             |          |
| 714.00     | 7.570              | 222.180        | 712.90      | -22.93            | -23.25        | -10.10       | 40°48'12.230"N | 103°48'37.231"W | 2.23             |          |
| 808.00     | 7.290              | 222.380        | 806.11      | -31.68            | -32.24        | -18.28       | 40°48'12.141"N | 103°48'37.338"W | 0.30             |          |
| 902.00     | 6.730              | 222.070        | 899.40      | -39.94            | -40.73        | -25.99       | 40°48'12.058"N | 103°48'37.438"W | 0.60             |          |
| 996.00     | 6.500              | 219.810        | 992.78      | -47.90            | -48.91        | -33.09       | 40°48'11.977"N | 103°48'37.530"W | 0.37             |          |
| 1090.00    | 7.430              | 222.860        | 1086.08     | -56.21            | -57.45        | -40.63       | 40°48'11.892"N | 103°48'37.628"W | 1.06             |          |
| 1185.00    | 7.120              | 222.510        | 1180.32     | -64.81            | -66.29        | -48.78       | 40°48'11.805"N | 103°48'37.734"W | 0.33             |          |
| 1279.00    | 7.290              | 220.730        | 1273.58     | -73.38            | -75.11        | -56.61       | 40°48'11.718"N | 103°48'37.836"W | 0.30             |          |
| 1373.00    | 7.610              | 219.640        | 1366.78     | -82.46            | -84.42        | -64.47       | 40°48'11.626"N | 103°48'37.938"W | 0.37             |          |
| 1468.00    | 7.310              | 217.280        | 1460.98     | -91.88            | -94.07        | -72.15       | 40°48'11.530"N | 103°48'38.038"W | 0.45             |          |
| 1563.00    | 6.570              | 218.760        | 1555.28     | -100.71           | -103.12       | -79.21       | 40°48'11.441"N | 103°48'38.130"W | 0.80             |          |
| 1656.00    | 5.310              | 216.140        | 1647.78     | -108.16           | -110.74       | -85.08       | 40°48'11.366"N | 103°48'38.206"W | 1.39             |          |
| 1751.00    | 6.130              | 217.070        | 1742.31     | -115.58           | -118.34       | -90.73       | 40°48'11.291"N | 103°48'38.280"W | 0.87             |          |
| 1845.00    | 7.190              | 225.590        | 1835.67     | -123.48           | -126.46       | -97.96       | 40°48'11.210"N | 103°48'38.374"W | 1.54             |          |
| 1939.00    | 6.750              | 224.910        | 1928.98     | -131.27           | -134.49       | -106.06      | 40°48'11.131"N | 103°48'38.479"W | 0.48             |          |
| 2033.00    | 6.360              | 224.250        | 2022.36     | -138.68           | -142.13       | -113.59      | 40°48'11.056"N | 103°48'38.577"W | 0.42             |          |
| 2124.00    | 6.210              | 222.430        | 2112.82     | -145.72           | -149.38       | -120.43      | 40°48'10.984"N | 103°48'38.666"W | 0.27             |          |
| 2218.00    | 6.130              | 223.870        | 2206.27     | -152.88           | -156.75       | -127.34      | 40°48'10.911"N | 103°48'38.756"W | 0.19             |          |
| 2312.00    | 7.870              | 230.320        | 2299.57     | -160.35           | -164.48       | -135.77      | 40°48'10.835"N | 103°48'38.865"W | 2.03             |          |
| 2406.00    | 6.960              | 214.350        | 2392.79     | -168.92           | -173.29       | -143.94      | 40°48'10.748"N | 103°48'38.972"W | 2.39             |          |
| 2500.00    | 6.910              | 214.380        | 2486.10     | -178.09           | -182.66       | -150.34      | 40°48'10.655"N | 103°48'39.055"W | 0.05             |          |
| 2594.00    | 6.820              | 215.590        | 2579.43     | -187.10           | -191.86       | -156.79      | 40°48'10.564"N | 103°48'39.139"W | 0.18             |          |
| 2688.00    | 6.580              | 214.930        | 2672.79     | -195.86           | -200.82       | -163.12      | 40°48'10.476"N | 103°48'39.221"W | 0.27             |          |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH DATA (172 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|----------|
| 2782.00    | 6.140              | 210.730        | 2766.21     | -204.42           | -209.55       | -168.77      | 40°48'10.389"N | 103°48'39.295"W | 0.68             |          |
| 2876.00    | 5.890              | 209.860        | 2859.69     | -212.78           | -218.06       | -173.74      | 40°48'10.305"N | 103°48'39.359"W | 0.28             |          |
| 2971.00    | 5.290              | 242.870        | 2954.27     | -218.81           | -224.28       | -180.07      | 40°48'10.244"N | 103°48'39.441"W | 3.39             |          |
| 3066.00    | 7.550              | 240.120        | 3048.66     | -223.64           | -229.39       | -189.38      | 40°48'10.193"N | 103°48'39.563"W | 2.40             |          |
| 3160.00    | 7.300              | 238.490        | 3141.88     | -229.52           | -235.59       | -199.82      | 40°48'10.132"N | 103°48'39.698"W | 0.35             |          |
| 3255.00    | 9.090              | 232.920        | 3235.90     | -236.86           | -243.27       | -210.96      | 40°48'10.056"N | 103°48'39.843"W | 2.06             |          |
| 3349.00    | 10.460             | 218.440        | 3328.55     | -247.69           | -254.43       | -222.19      | 40°48'09.946"N | 103°48'39.989"W | 2.98             |          |
| 3443.00    | 8.630              | 209.830        | 3421.25     | -260.22           | -267.23       | -231.00      | 40°48'09.819"N | 103°48'40.104"W | 2.46             |          |
| 3538.00    | 8.460              | 208.930        | 3515.19     | -272.31           | -279.53       | -237.93      | 40°48'09.698"N | 103°48'40.194"W | 0.23             |          |
| 3632.00    | 5.900              | 215.790        | 3608.45     | -282.09           | -289.51       | -244.10      | 40°48'09.599"N | 103°48'40.274"W | 2.87             |          |
| 3727.00    | 5.570              | 214.770        | 3702.98     | -289.67           | -297.25       | -249.58      | 40°48'09.523"N | 103°48'40.345"W | 0.36             |          |
| 3821.00    | 5.060              | 218.210        | 3796.57     | -296.52           | -304.26       | -254.75      | 40°48'09.454"N | 103°48'40.413"W | 0.64             |          |
| 3915.00    | 4.870              | 215.010        | 3890.22     | -302.90           | -310.78       | -259.60      | 40°48'09.389"N | 103°48'40.476"W | 0.36             |          |
| 4010.00    | 4.680              | 216.610        | 3984.89     | -309.17           | -317.20       | -264.23      | 40°48'09.326"N | 103°48'40.536"W | 0.24             |          |
| 4104.00    | 4.470              | 217.780        | 4078.59     | -315.01           | -323.17       | -268.76      | 40°48'09.267"N | 103°48'40.595"W | 0.24             |          |
| 4198.00    | 4.080              | 215.860        | 4172.33     | -320.48           | -328.78       | -272.96      | 40°48'09.211"N | 103°48'40.649"W | 0.44             |          |
| 4292.00    | 7.620              | 221.730        | 4265.82     | -327.66           | -336.14       | -279.07      | 40°48'09.139"N | 103°48'40.729"W | 3.81             |          |
| 4386.00    | 7.310              | 225.920        | 4359.03     | -336.22           | -344.95       | -287.51      | 40°48'09.052"N | 103°48'40.839"W | 0.67             |          |
| 4480.00    | 5.300              | 222.270        | 4452.46     | -343.37           | -352.32       | -294.73      | 40°48'08.979"N | 103°48'40.932"W | 2.18             |          |
| 4574.00    | 4.610              | 223.970        | 4546.10     | -349.14           | -358.26       | -300.27      | 40°48'08.920"N | 103°48'41.005"W | 0.75             |          |
| 4669.00    | 4.150              | 215.750        | 4640.83     | -354.53           | -363.79       | -304.93      | 40°48'08.865"N | 103°48'41.065"W | 0.82             |          |
| 4763.00    | 2.370              | 193.310        | 4734.67     | -359.11           | -368.45       | -307.37      | 40°48'08.819"N | 103°48'41.097"W | 2.30             |          |
| 4857.00    | 1.000              | 112.150        | 4828.64     | -361.32           | -370.65       | -307.06      | 40°48'08.798"N | 103°48'41.093"W | 2.58             |          |
| 4877.00    | 1.010              | 112.880        | 4848.64     | -361.46           | -370.78       | -306.73      | 40°48'08.796"N | 103°48'41.088"W | 0.08             |          |
| 4971.00    | 5.390              | 359.650        | 4942.51     | -357.39           | -366.68       | -306.00      | 40°48'08.837"N | 103°48'41.079"W | 6.24             |          |
| 5065.00    | 17.240             | 356.780        | 5034.51     | -338.99           | -348.30       | -306.81      | 40°48'09.018"N | 103°48'41.089"W | 12.62            |          |
| 5159.00    | 18.390             | 11.590         | 5124.05     | -310.62           | -319.85       | -304.61      | 40°48'09.300"N | 103°48'41.061"W | 4.96             |          |
| 5253.00    | 23.560             | 6.820          | 5211.80     | -277.58           | -286.64       | -299.40      | 40°48'09.628"N | 103°48'40.993"W | 5.79             |          |
| 5348.00    | 30.790             | 3.710          | 5296.26     | -234.54           | -243.47       | -295.56      | 40°48'10.054"N | 103°48'40.943"W | 7.75             |          |
| 5453.00    | 44.220             | 5.460          | 5379.37     | -171.17           | -179.91       | -290.32      | 40°48'10.682"N | 103°48'40.875"W | 12.83            |          |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH DATA (172 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments   |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|--|
| 5547.00    | 52.640             | 5.070          | 5441.69     | -101.42           | -109.94       | -283.88      | 40°48'11.374"N | 103°48'40.791"W | 8.96             |  |
| 5641.00    | 59.030             | 4.020          | 5494.45     | -24.15            | -32.45        | -277.75      | 40°48'12.139"N | 103°48'40.712"W | 6.86             |  |
| 5735.00    | 64.500             | 0.970          | 5538.91     | 58.41             | 50.24         | -274.20      | 40°48'12.956"N | 103°48'40.666"W | 6.48             |  |
| 5830.00    | 71.460             | 359.170        | 5574.51     | 146.37            | 138.26        | -274.13      | 40°48'13.826"N | 103°48'40.665"W | 7.53             |  |
| 5854.00†   | 72.931             | 359.222        | 5581.85     | 169.22            | 161.10        | -274.45      | 40°48'14.052"N | 103°48'40.669"W | 6.13             | Bottom Maker Joint (516'FSL & 2254'FEL, SEC.25)          |
| 5924.00    | 77.220             | 359.370        | 5599.87     | 236.83            | 228.72        | -275.28      | 40°48'14.720"N | 103°48'40.680"W | 6.13             |  |
| 5937.00†   | 78.628             | 359.047        | 5602.59     | 249.54            | 241.43        | -275.46      | 40°48'14.846"N | 103°48'40.682"W | 11.10            | Crossed 600' South Hardline (600'FSL & 2255'FEL, SEC.25) |
| 6018.00    | 87.410             | 357.090        | 5612.43     | 329.86            | 321.70        | -278.18      | 40°48'15.639"N | 103°48'40.717"W | 11.10            |  |
| 6113.00    | 89.260             | 356.020        | 5615.19     | 424.77            | 416.49        | -283.88      | 40°48'16.575"N | 103°48'40.791"W | 2.25             |  |
| 6207.00    | 89.690             | 356.930        | 5616.05     | 518.72            | 510.30        | -289.66      | 40°48'17.502"N | 103°48'40.867"W | 1.07             |  |
| 6301.00    | 89.360             | 358.670        | 5616.83     | 612.71            | 604.23        | -293.27      | 40°48'18.430"N | 103°48'40.914"W | 1.88             |  |
| 6395.00    | 89.920             | 358.500        | 5617.42     | 706.71            | 698.20        | -295.59      | 40°48'19.359"N | 103°48'40.944"W | 0.62             |  |
| 6489.00    | 90.600             | 359.100        | 5616.99     | 800.70            | 792.17        | -297.56      | 40°48'20.287"N | 103°48'40.969"W | 0.96             |  |
| 6678.00    | 91.340             | 358.500        | 5613.79     | 989.66            | 981.10        | -301.52      | 40°48'22.154"N | 103°48'41.021"W | 0.50             |  |
| 6772.00    | 90.170             | 359.930        | 5612.55     | 1083.64           | 1075.08       | -302.80      | 40°48'23.083"N | 103°48'41.038"W | 1.97             |  |
| 6960.00    | 89.020             | 0.870          | 5613.88     | 1271.50           | 1263.07       | -301.49      | 40°48'24.940"N | 103°48'41.021"W | 0.79             |  |
| 7053.00    | 89.570             | 0.600          | 5615.03     | 1364.41           | 1356.05       | -300.30      | 40°48'25.859"N | 103°48'41.005"W | 0.66             |  |
| 7147.00    | 89.510             | 0.720          | 5615.78     | 1458.33           | 1450.04       | -299.22      | 40°48'26.788"N | 103°48'40.991"W | 0.14             |  |
| 7241.00    | 89.600             | 0.030          | 5616.51     | 1552.26           | 1544.04       | -298.60      | 40°48'27.717"N | 103°48'40.983"W | 0.74             |  |
| 7335.00    | 89.820             | 359.890        | 5616.99     | 1646.22           | 1638.04       | -298.67      | 40°48'28.645"N | 103°48'40.984"W | 0.28             |  |
| 7429.00    | 89.780             | 359.550        | 5617.32     | 1740.19           | 1732.03       | -299.13      | 40°48'29.574"N | 103°48'40.990"W | 0.36             |  |
| 7523.00    | 90.650             | 359.390        | 5616.96     | 1834.17           | 1826.03       | -300.00      | 40°48'30.503"N | 103°48'41.001"W | 0.94             |  |
| 7617.00    | 87.620             | 358.930        | 5618.38     | 1928.13           | 1920.00       | -301.37      | 40°48'31.431"N | 103°48'41.019"W | 3.26             |  |
| 7711.00    | 87.560             | 358.780        | 5622.33     | 2022.05           | 2013.89       | -303.25      | 40°48'32.359"N | 103°48'41.044"W | 0.17             |  |
| 7806.00    | 89.040             | 359.410        | 5625.15     | 2116.99           | 2108.84       | -304.75      | 40°48'33.297"N | 103°48'41.063"W | 1.69             |  |
| 7900.00    | 89.290             | 359.650        | 5626.52     | 2210.96           | 2202.82       | -305.52      | 40°48'34.226"N | 103°48'41.073"W | 0.37             |  |
| 7994.00    | 90.030             | 359.190        | 5627.08     | 2304.94           | 2296.82       | -306.47      | 40°48'35.155"N | 103°48'41.086"W | 0.93             |  |
| 8088.00    | 90.430             | 358.510        | 5626.70     | 2398.93           | 2390.80       | -308.36      | 40°48'36.083"N | 103°48'41.110"W | 0.84             |  |
| 8183.00    | 90.490             | 358.750        | 5625.94     | 2493.93           | 2485.77       | -310.63      | 40°48'37.022"N | 103°48'41.140"W | 0.26             |  |
| 8277.00    | 90.210             | 358.130        | 5625.37     | 2587.93           | 2579.73       | -313.19      | 40°48'37.950"N | 103°48'41.173"W | 0.72             |  |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH DATA (172 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|----------|
| 8372.00    | 90.820             | 357.700        | 5624.51     | 2682.92           | 2674.66       | -316.65      | 40°48'38.888"N | 103°48'41.218"W | 0.79             |          |
| 8466.00    | 91.130             | 0.640          | 5622.91     | 2776.88           | 2768.63       | -318.01      | 40°48'39.817"N | 103°48'41.236"W | 3.14             |          |
| 8559.00    | 91.930             | 1.230          | 5620.43     | 2869.75           | 2861.58       | -316.49      | 40°48'40.735"N | 103°48'41.216"W | 1.07             |          |
| 8654.00    | 90.150             | 359.870        | 5618.70     | 2964.66           | 2956.55       | -315.58      | 40°48'41.673"N | 103°48'41.204"W | 2.36             |          |
| 8748.00    | 90.270             | 359.330        | 5618.36     | 3058.63           | 3050.55       | -316.23      | 40°48'42.602"N | 103°48'41.213"W | 0.59             |          |
| 8842.00    | 90.330             | 358.160        | 5617.87     | 3152.62           | 3144.53       | -318.29      | 40°48'43.531"N | 103°48'41.239"W | 1.25             |          |
| 8937.00    | 88.510             | 0.070          | 5618.83     | 3247.60           | 3239.50       | -319.76      | 40°48'44.469"N | 103°48'41.259"W | 2.78             |          |
| 9031.00    | 89.040             | 0.020          | 5620.84     | 3341.53           | 3333.48       | -319.69      | 40°48'45.398"N | 103°48'41.258"W | 0.57             |          |
| 9125.00    | 90.300             | 0.140          | 5621.38     | 3435.49           | 3427.48       | -319.56      | 40°48'46.327"N | 103°48'41.256"W | 1.35             |          |
| 9218.00    | 89.590             | 2.620          | 5621.47     | 3528.34           | 3520.44       | -317.32      | 40°48'47.245"N | 103°48'41.227"W | 2.77             |          |
| 9312.00    | 90.420             | 3.110          | 5621.46     | 3622.04           | 3614.32       | -312.62      | 40°48'48.173"N | 103°48'41.166"W | 1.03             |          |
| 9406.00    | 89.680             | 2.130          | 5621.38     | 3715.77           | 3708.22       | -308.32      | 40°48'49.101"N | 103°48'41.110"W | 1.31             |          |
| 9500.00    | 87.990             | 0.090          | 5623.29     | 3809.63           | 3802.18       | -306.50      | 40°48'50.029"N | 103°48'41.086"W | 2.82             |          |
| 9594.00    | 88.140             | 359.380        | 5626.46     | 3903.55           | 3896.12       | -306.93      | 40°48'50.957"N | 103°48'41.092"W | 0.77             |          |
| 9689.00    | 88.280             | 358.970        | 5629.43     | 3998.49           | 3991.07       | -308.30      | 40°48'51.895"N | 103°48'41.110"W | 0.46             |          |
| 9783.00    | 88.510             | 0.340          | 5632.07     | 4092.42           | 4085.02       | -308.87      | 40°48'52.824"N | 103°48'41.117"W | 1.48             |          |
| 9878.00    | 89.990             | 0.120          | 5633.31     | 4187.36           | 4180.01       | -308.49      | 40°48'53.762"N | 103°48'41.112"W | 1.58             |          |
| 9972.00    | 89.530             | 359.160        | 5633.70     | 4281.33           | 4274.01       | -309.08      | 40°48'54.691"N | 103°48'41.120"W | 1.13             |          |
| 10067.00   | 89.470             | 358.360        | 5634.53     | 4376.32           | 4368.98       | -311.13      | 40°48'55.630"N | 103°48'41.146"W | 0.84             |          |
| 10161.00   | 90.450             | 0.410          | 5634.60     | 4470.30           | 4462.97       | -312.14      | 40°48'56.558"N | 103°48'41.160"W | 2.42             |          |
| 10255.00   | 90.020             | 359.270        | 5634.21     | 4564.26           | 4556.97       | -312.40      | 40°48'57.487"N | 103°48'41.163"W | 1.30             |          |
| 10349.00   | 91.440             | 1.120          | 5633.01     | 4658.19           | 4650.95       | -312.08      | 40°48'58.416"N | 103°48'41.159"W | 2.48             |          |
| 10444.00   | 91.250             | 0.420          | 5630.78     | 4753.08           | 4745.92       | -310.81      | 40°48'59.354"N | 103°48'41.142"W | 0.76             |          |
| 10537.00   | 91.030             | 359.800        | 5628.93     | 4846.01           | 4838.90       | -310.63      | 40°49'00.273"N | 103°48'41.140"W | 0.71             |          |
| 10631.00   | 90.790             | 358.700        | 5627.44     | 4939.99           | 4932.88       | -311.86      | 40°49'01.201"N | 103°48'41.156"W | 1.20             |          |
| 10725.00   | 91.190             | 358.770        | 5625.82     | 5033.97           | 5026.84       | -313.93      | 40°49'02.130"N | 103°48'41.183"W | 0.43             |          |
| 10819.00   | 90.390             | 2.260          | 5624.52     | 5127.87           | 5120.81       | -313.09      | 40°49'03.058"N | 103°48'41.172"W | 3.81             |          |
| 10914.00   | 90.020             | 1.930          | 5624.18     | 5222.66           | 5215.75       | -309.62      | 40°49'03.996"N | 103°48'41.127"W | 0.52             |          |
| 11008.00   | 89.770             | 1.660          | 5624.35     | 5316.49           | 5309.70       | -306.67      | 40°49'04.925"N | 103°48'41.089"W | 0.39             |          |
| 11100.00   | 90.050             | 1.510          | 5624.50     | 5408.34           | 5401.67       | -304.13      | 40°49'05.833"N | 103°48'41.056"W | 0.35             |          |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH DATA (172 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|----------|
| 11191.00   | 89.870             | 0.510          | 5624.56     | 5499.23           | 5492.65       | -302.52      | 40°49'06.732"N | 103°48'41.035"W | 1.12             |          |
| 11280.00   | 89.620             | 359.630        | 5624.96     | 5588.19           | 5581.65       | -302.42      | 40°49'07.612"N | 103°48'41.033"W | 1.03             |          |
| 11372.00   | 89.500             | 359.310        | 5625.66     | 5680.16           | 5673.64       | -303.27      | 40°49'08.521"N | 103°48'41.044"W | 0.37             |          |
| 11463.00   | 89.280             | 358.850        | 5626.63     | 5771.15           | 5764.62       | -304.73      | 40°49'09.420"N | 103°48'41.063"W | 0.56             |          |
| 11555.00   | 88.940             | 358.470        | 5628.06     | 5863.14           | 5856.59       | -306.88      | 40°49'10.328"N | 103°48'41.091"W | 0.55             |          |
| 11647.00   | 89.400             | 0.740          | 5629.39     | 5955.10           | 5948.57       | -307.51      | 40°49'11.237"N | 103°48'41.100"W | 2.52             |          |
| 11738.00   | 90.820             | 1.560          | 5629.22     | 6045.98           | 6039.55       | -305.69      | 40°49'12.136"N | 103°48'41.076"W | 1.80             |          |
| 11830.00   | 90.420             | 1.140          | 5628.22     | 6137.84           | 6131.52       | -303.52      | 40°49'13.045"N | 103°48'41.048"W | 0.63             |          |
| 11921.00   | 90.210             | 0.950          | 5627.72     | 6228.74           | 6222.50       | -301.86      | 40°49'13.944"N | 103°48'41.026"W | 0.31             |          |
| 12013.00   | 90.020             | 0.610          | 5627.54     | 6320.65           | 6314.49       | -300.61      | 40°49'14.853"N | 103°48'41.010"W | 0.42             |          |
| 12103.00   | 89.740             | 0.350          | 5627.73     | 6410.58           | 6404.49       | -299.85      | 40°49'15.742"N | 103°48'41.000"W | 0.42             |          |
| 12195.00   | 89.680             | 0.120          | 5628.19     | 6502.53           | 6496.49       | -299.48      | 40°49'16.651"N | 103°48'40.995"W | 0.26             |          |
| 12287.00   | 91.960             | 359.470        | 5626.88     | 6594.48           | 6588.47       | -299.80      | 40°49'17.560"N | 103°48'40.999"W | 2.58             |          |
| 12378.00   | 91.840             | 359.490        | 5623.86     | 6685.41           | 6679.42       | -300.63      | 40°49'18.459"N | 103°48'41.010"W | 0.13             |          |
| 12470.00   | 91.960             | 359.430        | 5620.81     | 6777.34           | 6771.36       | -301.50      | 40°49'19.367"N | 103°48'41.022"W | 0.15             |          |
| 12562.00   | 91.930             | 358.490        | 5617.69     | 6869.28           | 6863.29       | -303.17      | 40°49'20.276"N | 103°48'41.043"W | 1.02             |          |
| 12654.00   | 91.720             | 358.650        | 5614.76     | 6961.23           | 6955.22       | -305.46      | 40°49'21.184"N | 103°48'41.073"W | 0.29             |          |
| 12745.00   | 89.500             | 359.360        | 5613.79     | 7052.22           | 7046.19       | -307.04      | 40°49'22.083"N | 103°48'41.094"W | 2.56             |          |
| 12836.00   | 89.440             | 358.960        | 5614.63     | 7143.20           | 7137.18       | -308.37      | 40°49'22.982"N | 103°48'41.111"W | 0.44             |          |
| 12928.00   | 89.130             | 358.930        | 5615.78     | 7235.19           | 7229.15       | -310.07      | 40°49'23.891"N | 103°48'41.133"W | 0.34             |          |
| 13019.00   | 88.570             | 358.600        | 5617.60     | 7326.17           | 7320.11       | -312.03      | 40°49'24.789"N | 103°48'41.159"W | 0.71             |          |
| 13110.00   | 89.130             | 359.240        | 5619.43     | 7417.14           | 7411.08       | -313.74      | 40°49'25.688"N | 103°48'41.181"W | 0.93             |          |
| 13201.00   | 90.580             | 1.050          | 5619.66     | 7508.09           | 7502.07       | -313.51      | 40°49'26.587"N | 103°48'41.178"W | 2.55             |          |
| 13292.00   | 90.330             | 0.870          | 5618.94     | 7598.98           | 7593.06       | -311.99      | 40°49'27.486"N | 103°48'41.158"W | 0.34             |          |
| 13384.00   | 90.140             | 0.620          | 5618.56     | 7690.90           | 7685.05       | -310.79      | 40°49'28.395"N | 103°48'41.143"W | 0.34             |          |
| 13476.00   | 89.990             | 359.900        | 5618.46     | 7782.84           | 7777.05       | -310.37      | 40°49'29.304"N | 103°48'41.137"W | 0.80             |          |
| 13567.00   | 90.080             | 0.070          | 5618.40     | 7873.80           | 7868.05       | -310.40      | 40°49'30.203"N | 103°48'41.138"W | 0.21             |          |
| 13658.00   | 89.840             | 358.910        | 5618.46     | 7964.78           | 7959.04       | -311.21      | 40°49'31.103"N | 103°48'41.148"W | 1.30             |          |
| 13749.00   | 90.180             | 0.310          | 5618.45     | 8055.76           | 8050.04       | -311.83      | 40°49'32.002"N | 103°48'41.156"W | 1.58             |          |
| 13844.00   | 89.870             | 359.610        | 5618.41     | 8150.72           | 8145.04       | -311.89      | 40°49'32.940"N | 103°48'41.157"W | 0.81             |          |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH DATA (172 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments   |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|--|
| 13938.00   | 91.320             | 0.850          | 5617.43     | 8244.65           | 8239.03       | -311.52      | 40°49'33.869"N | 103°48'41.152"W | 2.03             |  |
| 14032.00   | 91.620             | 0.110          | 5615.02     | 8338.55           | 8332.99       | -310.73      | 40°49'34.797"N | 103°48'41.142"W | 0.85             |  |
| 14126.00   | 90.510             | 2.610          | 5613.27     | 8432.39           | 8426.94       | -308.50      | 40°49'35.726"N | 103°48'41.113"W | 2.91             |  |
| 14220.00   | 88.600             | 1.480          | 5614.00     | 8526.18           | 8520.87       | -305.15      | 40°49'36.654"N | 103°48'41.069"W | 2.36             |  |
| 14315.00   | 88.760             | 1.090          | 5616.19     | 8621.03           | 8615.82       | -303.02      | 40°49'37.592"N | 103°48'41.042"W | 0.44             |  |
| 14409.00   | 89.500             | 359.890        | 5617.62     | 8714.94           | 8709.80       | -302.21      | 40°49'38.521"N | 103°48'41.031"W | 1.50             |  |
| 14503.00   | 90.240             | 359.550        | 5617.83     | 8808.91           | 8803.80       | -302.67      | 40°49'39.450"N | 103°48'41.037"W | 0.87             |  |
| 14598.00   | 91.350             | 359.020        | 5616.51     | 8903.89           | 8898.78       | -303.86      | 40°49'40.388"N | 103°48'41.053"W | 1.29             |  |
| 14692.00   | 90.080             | 359.500        | 5615.34     | 8997.87           | 8992.77       | -305.07      | 40°49'41.317"N | 103°48'41.068"W | 1.44             |  |
| 14787.00   | 91.010             | 358.770        | 5614.44     | 9092.85           | 9087.75       | -306.50      | 40°49'42.255"N | 103°48'41.087"W | 1.24             |  |
| 14881.00   | 89.340             | 0.010          | 5614.15     | 9186.83           | 9181.74       | -307.50      | 40°49'43.184"N | 103°48'41.100"W | 2.21             |  |
| 14975.00   | 88.170             | 1.560          | 5616.19     | 9280.71           | 9275.70       | -306.22      | 40°49'44.112"N | 103°48'41.083"W | 2.07             |  |
| 15070.00   | 89.310             | 2.370          | 5618.28     | 9375.49           | 9370.62       | -302.96      | 40°49'45.050"N | 103°48'41.041"W | 1.47             |  |
| 15163.00   | 90.510             | 1.330          | 5618.43     | 9468.31           | 9463.57       | -299.96      | 40°49'45.969"N | 103°48'41.002"W | 1.71             |  |
| 15258.00   | 88.850             | 0.340          | 5618.96     | 9563.21           | 9558.55       | -298.57      | 40°49'46.907"N | 103°48'40.984"W | 2.03             |  |
| 15352.00   | 90.050             | 0.060          | 5619.86     | 9657.15           | 9652.55       | -298.25      | 40°49'47.836"N | 103°48'40.980"W | 1.31             |  |
| 15447.00   | 89.030             | 0.090          | 5620.62     | 9752.10           | 9747.54       | -298.12      | 40°49'48.774"N | 103°48'40.978"W | 1.07             |  |
| 15541.00   | 89.560             | 0.640          | 5621.78     | 9846.03           | 9841.53       | -297.52      | 40°49'49.703"N | 103°48'40.970"W | 0.81             |  |
| 15635.00   | 90.480             | 0.300          | 5621.75     | 9939.96           | 9935.53       | -296.75      | 40°49'50.632"N | 103°48'40.960"W | 1.04             |  |
| 15729.00   | 91.220             | 359.650        | 5620.35     | 10033.91          | 10029.52      | -296.79      | 40°49'51.561"N | 103°48'40.961"W | 1.05             |  |
| 15796.00   | 91.470             | 358.980        | 5618.78     | 10100.88          | 10096.49      | -297.59      | 40°49'52.222"N | 103°48'40.971"W | 1.07             | Last BHI MWD Survey (148'FNL & 2139'FEL, SEC.24) |
| 15844.00   | 91.470             | 358.980        | 5617.55     | 10148.86          | 10144.47      | -298.45      | 40°49'52.696"N | 103°48'40.982"W | 0.00             | Projection to Bit (100'FNL & 2140'FEL, SEC.24)   |





# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## HOLE & CASING SECTIONS - Ref Wellbore: RAZOR #250-2410 AWB Ref Wellpath: RAZOR #250-2410 AWP

| String/Diameter        | Start MD<br>[ft] | End MD<br>[ft] | Interval<br>[ft] | Start TVD<br>[ft] | End TVD<br>[ft] | Start N/S<br>[ft] | Start E/W<br>[ft] | End N/S<br>[ft] | End E/W<br>[ft] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 16in Conductor         | 21.00            | 102.00         | 81.00            | 21.00             | 102.00          | 0.00              | 0.00              | -0.15           | 0.20            |
| 13.5in Open Hole       | 102.00           | 2095.00        | 1993.00          | 102.00            | 2083.99         | -0.15             | 0.20              | -147.06         | -118.29         |
| 9.625in Casing Surface | 21.00            | 2041.00        | 2020.00          | 21.00             | 2030.31         | 0.00              | 0.00              | -142.77         | -114.21         |
| 8.5in Open Hole        | 2095.00          | 15844.00       | 13749.00         | 2083.99           | 5617.55         | -147.06           | -118.29           | 10144.47        | -298.45         |

## TARGETS

| Name   | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Shape   |
|--|-------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|---------|
| RAZOR #25M PAD SECTION 24  | 23.00       | 71.05         | -3198.40     | 3464569.07           | 1540014.61            | 40°48'13.160"N | 103°49'18.690"W | polygon |
| RAZOR #25M PAD SECTION 25  | 23.00       | 71.05         | -3198.40     | 3464569.07           | 1540014.61            | 40°48'13.160"N | 103°49'18.690"W | polygon |
| RAZOR #250-2410 BHL REV-1 ON PLAT (NIO B, 100'FNL & 2145'FEL SEC 24) | 5596.00     | 10144.83      | -302.87      | 3467272.14           | 1550141.74            | 40°49'52.700"N | 103°48'41.040"W | point   |
| RAZOR #250-2410 TOP OF PRODUCTION (610'FSL & 2283'FEL SEC 25)        | 5596.00     | 250.99        | -310.69      | 3467452.84           | 1540249.53            | 40°48'14.940"N | 103°48'41.140"W | point   |
| RAZOR #250-2410 BHL REV-2 ON PLAT (NIO B, 100'FNL & 2145'FEL SEC 24) | 5610.00     | 10144.83      | -302.87      | 3467272.14           | 1550141.74            | 40°49'52.700"N | 103°48'41.040"W | point   |
| RAZOR #25M PAD HARDLINES 100' N/E/W & 600' S                         | 5740.00     | 71.05         | -3198.40     | 3464569.07           | 1540014.61            | 40°48'13.160"N | 103°49'18.690"W | polygon |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH COMPOSITION - Ref Wellbore: RAZOR #250-2410 AWB Ref Wellpath: RAZOR #250-2410 AWP

| Start MD | End MD   | Positional Uncertainty Model  | Log Name/Comment   | Wellbore            |
|----------|----------|---|--|---------------------|
| [ft]     | [ft]     |   |  |                     |
| 21.00    | 2033.00  | Custom BHI NaviTrak (IFR1, Standard Rotating, SAG) (Rockies 0.03Gt model) | BHI NAVITRAK MWD ROCKIES GT, SURCON IFR SAG 13 1/2"<149-2033>        | RAZOR #250-2410 AWB |
| 2033.00  | 15796.00 | Custom BHI NaviTrak (IFR1, Standard Rotating, SAG) (Rockies 0.03Gt model) | BHI NAVITRAK MWD ROCKIES GT, SURCON IFR SAG 8 1/2" MONO <2124-15796> | RAZOR #250-2410 AWB |
| 15796.00 | 15844.00 | Blind Drilling (std)  | Projection to bit  | RAZOR #250-2410 AWB |



# Actual Wellpath Report

RAZOR #250-2410 AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                               |          |   |
|----------|-------------------------------|----------|---|
| Operator | WHITING OIL & GAS CORPORATION | Slot     | SLOT#13 RAZOR #250-2410 (355'FSL & 1980'FEL SEC 25) |
| Area     | COLORADO                      | Well     | RAZOR #250-2410                                     |
| Field    | WELD COUNTY                   | Wellbore | RAZOR #250-2410 AWB                                 |
| Facility | SEC.25-T10N-R58W              |          |   |

## WELLPATH COMMENTS

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Comment  |
|------------|--------------------|----------------|-------------|--|
| 5854.00    | 72.931             | 359.222        | 5581.85     | Bottom Maker Joint (516'FSL & 2254'FEL, SEC.25)          |
| 5937.00    | 78.628             | 359.047        | 5602.59     | Crossed 600' South Hardline (600'FSL & 2255'FEL, SEC.25) |
| 15796.00   | 91.470             | 358.980        | 5618.78     | Last BHI MWD Survey (148'FNL & 2139'FEL, SEC.24)         |
| 15844.00   | 91.470             | 358.980        | 5617.55     | Projection to Bit (100'FNL & 2140'FEL, SEC.24)           |