



# OXY Permian

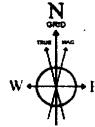
Location: Eddy County, NM  
Field: (Goodnight) Sec 27, T23S, R29E  
Facility: Goodnight 27 Fed No. 2H

Slot: No. 2H SHL  
Well: No. 2H  
Wellbore: No. 2H PWB

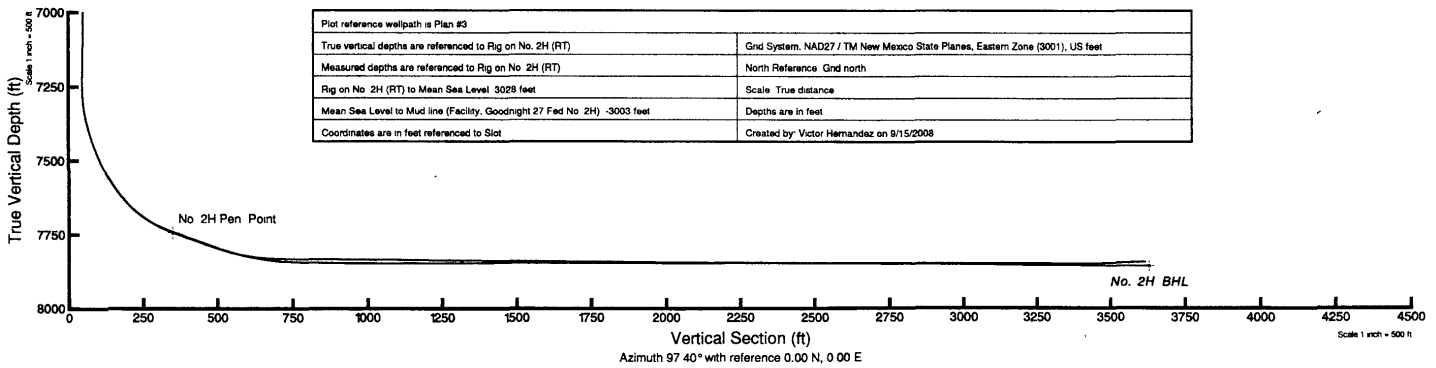
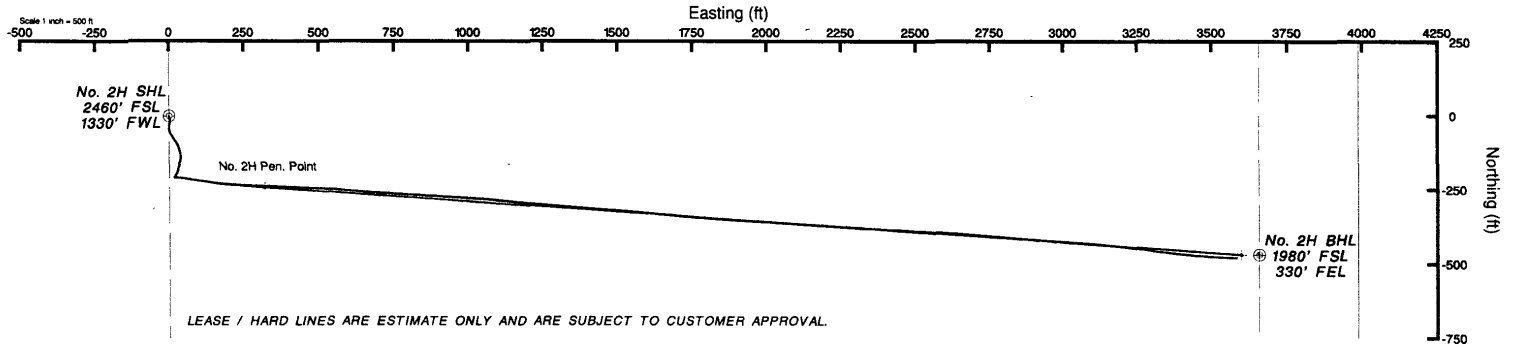
30-015-36137



Bureau of Land Management  
RECEIVED  
APR 23 2009  
Carlsbad Field Office  
Carlsbad, NM



BGGM (1945 0 to 2009 0) Dip: 60.26° Field: 48926 nT  
Magnetic North is 8.10 degrees East of True North (at 7/31/2008)  
Grid North is 0.26 degrees East of True North  
To correct azimuth from True to Grid subtract 0.26 degrees  
To correct azimuth from Magnetic to Grid add 7.84 degrees  
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.84 = 97.84





# Actual Wellpath Report

No. 2H AWP

Page 1 of 7



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWB |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## REPORT SETUP INFORMATION

|                     |                                                                  |                      |                           |
|---------------------|------------------------------------------------------------------|----------------------|---------------------------|
| Projection System   | NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet | Software System      | WellArchitect® 2.0        |
| North Reference     | Grid                                                             | User                 | Victor Hernandez          |
| Scale               | 0.999935                                                         | Report Generated     | 9/15/2008 at 9:19:05 AM   |
| Convergence at slot | 0.26° East                                                       | Database/Source file | WA_Midland/No. 2H_AWB.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[USft]    | Northing[USft] | Latitude               | Longitude       |
| Slot Location         | 0.00              | 0.00     | 651496.28        | 464088.99      | 32°16'29.806"N         | 103°50'35.382"W |
| Facility Reference Pt |                   |          | 651496.28        | 464088.99      | 32°16'29.806"N         | 103°50'35.382"W |
| Field Reference Pt    |                   |          | 651496.28        | 464088.99      | 32°16'29.806"N         | 103°50'35.382"W |

## WELLPATH DATUM

|                          |                    |                                                |                   |
|--------------------------|--------------------|------------------------------------------------|-------------------|
| Calculation method       | Minimum curvature  | Rig on No. 2H (RT) to Facility Vertical Datum  | 25.00ft           |
| Horizontal Reference Pt  | Slot               | Rig on No. 2H (RT) to Mean Sea Level           | 3028.00ft         |
| Vertical Reference Pt    | Rig on No. 2H (RT) | Facility Vertical Datum to Mud Line (Facility) | 0.00ft            |
| MD Reference Pt          | Rig on No. 2H (RT) | Section Origin                                 | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level     | Section Azimuth                                | 97.40°            |



# Actual Wellpath Report

No. 2H AWP

Page 2 of 7



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWB |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## WELLPATH DATA (147 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|
| 0.00       | 0.000              | 225.602        | 0.00        | 0.00              | 0.00          | 0.00         | 0.00             |
| 100.00     | 0.324              | 225.602        | 100.00      | -0.17             | -0.20         | -0.20        | 0.32             |
| 157.00     | 0.423              | 156.403        | 157.00      | -0.17             | -0.50         | -0.23        | 0.76             |
| 217.70     | 0.524              | 154.537        | 217.70      | 0.10              | -0.96         | -0.02        | 0.17             |
| 311.50     | 0.771              | 156.474        | 311.49      | 0.66              | -1.93         | 0.41         | 0.26             |
| 405.20     | 0.783              | 164.895        | 405.18      | 1.23              | -3.12         | 0.83         | 0.12             |
| 498.90     | 0.903              | 158.191        | 498.87      | 1.83              | -4.42         | 1.27         | 0.17             |
| 592.70     | 1.202              | 157.868        | 592.66      | 2.68              | -6.02         | 1.92         | 0.32             |
| 686.40     | 1.213              | 159.098        | 686.33      | 3.63              | -7.86         | 2.64         | 0.03             |
| 780.20     | 1.317              | 163.755        | 780.11      | 4.53              | -9.82         | 3.30         | 0.16             |
| 873.90     | 1.365              | 166.315        | 873.79      | 5.37              | -11.94        | 3.86         | 0.08             |
| 967.60     | 1.425              | 174.647        | 967.46      | 6.03              | -14.18        | 4.23         | 0.23             |
| 1061.40    | 1.469              | 177.717        | 1061.23     | 6.49              | -16.55        | 4.39         | 0.10             |
| 1155.10    | 1.558              | 188.172        | 1154.90     | 6.67              | -19.01        | 4.26         | 0.31             |
| 1248.90    | 1.614              | 190.014        | 1248.66     | 6.59              | -21.57        | 3.85         | 0.08             |
| 1342.60    | 1.564              | 194.114        | 1342.32     | 6.38              | -24.11        | 3.31         | 0.13             |
| 1436.30    | 1.688              | 196.070        | 1435.99     | 6.03              | -26.68        | 2.61         | 0.14             |
| 1530.10    | 1.584              | 194.020        | 1529.75     | 5.67              | -29.26        | 1.92         | 0.13             |
| 1623.80    | 1.626              | 192.860        | 1623.41     | 5.39              | -31.81        | 1.31         | 0.06             |
| 1717.60    | 1.619              | 185.625        | 1717.17     | 5.31              | -34.43        | 0.88         | 0.22             |
| 1811.30    | 1.584              | 185.350        | 1810.84     | 5.39              | -37.04        | 0.63         | 0.04             |
| 1905.00    | 1.456              | 175.341        | 1904.50     | 5.69              | -39.51        | 0.61         | 0.31             |
| 1998.80    | 1.676              | 176.084        | 1998.27     | 6.21              | -42.07        | 0.80         | 0.24             |
| 2092.50    | 1.602              | 171.734        | 2091.93     | 6.83              | -44.73        | 1.08         | 0.15             |
| 2186.30    | 1.717              | 171.423        | 2185.69     | 7.57              | -47.42        | 1.48         | 0.12             |
| 2280.00    | 1.981              | 162.706        | 2279.34     | 8.63              | -50.35        | 2.17         | 0.41             |
| 2373.70    | 2.182              | 155.396        | 2372.98     | 10.26             | -53.52        | 3.39         | 0.36             |
| 2467.50    | 2.441              | 153.224        | 2466.71     | 12.33             | -56.93        | 5.03         | 0.29             |
| 2561.20    | 2.481              | 153.553        | 2560.32     | 14.58             | -60.52        | 6.84         | 0.05             |
| 2655.00    | 2.604              | 149.536        | 2654.03     | 17.01             | -64.18        | 8.82         | 0.23             |



# Actual Wellpath Report

No. 2H AWP

Page 3 of 7



## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWP |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## WELLPATH DATA (147 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|
| 2748.70    | 2.677              | 150.034        | 2747.63     | 19.65             | -67.91        | 10.99        | 0.08             |
| 2842.40    | 2.965              | 149.264        | 2841.21     | 22.47             | -71.89        | 13.32        | 0.31             |
| 2936.20    | 2.820              | 146.571        | 2934.89     | 25.48             | -75.90        | 15.84        | 0.21             |
| 3029.90    | 2.835              | 147.457        | 3028.48     | 28.48             | -79.78        | 18.35        | 0.05             |
| 3123.70    | 2.824              | 145.510        | 3122.17     | 31.51             | -83.64        | 20.91        | 0.10             |
| 3217.40    | 2.770              | 145.434        | 3215.75     | 34.56             | -87.40        | 23.50        | 0.06             |
| 3311.10    | 2.694              | 151.125        | 3309.35     | 37.38             | -91.20        | 25.85        | 0.30             |
| 3404.90    | 2.435              | 151.464        | 3403.05     | 39.85             | -94.88        | 27.86        | 0.28             |
| 3498.60    | 2.512              | 153.371        | 3496.67     | 42.17             | -98.46        | 29.73        | 0.12             |
| 3592.40    | 2.329              | 159.485        | 3590.38     | 44.21             | -102.08       | 31.32        | 0.34             |
| 3686.10    | 2.188              | 157.289        | 3684.01     | 46.00             | -105.52       | 32.68        | 0.18             |
| 3779.80    | 2.177              | 157.742        | 3777.64     | 47.78             | -108.81       | 34.05        | 0.02             |
| 3873.60    | 2.082              | 161.190        | 3871.38     | 49.41             | -112.07       | 35.27        | 0.17             |
| 3967.30    | 1.974              | 163.685        | 3965.02     | 50.81             | -115.23       | 36.27        | 0.15             |
| 4061.10    | 1.938              | 165.855        | 4058.76     | 52.05             | -118.32       | 37.11        | 0.09             |
| 4154.80    | 1.873              | 167.319        | 4152.41     | 53.15             | -121.35       | 37.84        | 0.09             |
| 4248.50    | 1.779              | 167.505        | 4246.06     | 54.17             | -124.27       | 38.49        | 0.10             |
| 4342.30    | 1.733              | 168.640        | 4339.82     | 55.13             | -127.08       | 39.08        | 0.06             |
| 4436.00    | 1.616              | 169.760        | 4433.48     | 55.98             | -129.77       | 39.60        | 0.13             |
| 4529.80    | 1.572              | 172.989        | 4527.24     | 56.70             | -132.35       | 39.99        | 0.11             |
| 4623.50    | 1.569              | 175.138        | 4620.91     | 57.30             | -134.90       | 40.25        | 0.06             |
| 4717.20    | 1.563              | 175.828        | 4714.57     | 57.82             | -137.45       | 40.46        | 0.02             |
| 4811.00    | 1.567              | 178.619        | 4808.34     | 58.28             | -140.01       | 40.58        | 0.08             |
| 4904.70    | 1.562              | 183.425        | 4902.00     | 58.56             | -142.57       | 40.53        | 0.14             |
| 4998.50    | 1.553              | 188.300        | 4995.77     | 58.63             | -145.10       | 40.27        | 0.14             |
| 5092.20    | 1.581              | 194.225        | 5089.43     | 58.46             | -147.61       | 39.77        | 0.18             |
| 5185.90    | 1.567              | 195.669        | 5183.10     | 58.12             | -150.09       | 39.11        | 0.05             |
| 5279.70    | 1.679              | 195.573        | 5276.86     | 57.74             | -152.65       | 38.40        | 0.12             |
| 5373.40    | 1.721              | 196.677        | 5370.52     | 57.32             | -155.32       | 37.62        | 0.06             |
| 5467.20    | 1.680              | 195.887        | 5464.28     | 56.89             | -157.99       | 36.84        | 0.05             |



# Actual Wellpath Report

No. 2H AWP

Page 4 of 7



## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWP |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## WELLPATH DATA (147 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|
| 5560.90    | 1.516              | 194.016        | 5557.94     | 56.54             | -160.52       | 36.17        | 0.18             |
| 5654.60    | 1.565              | 195.872        | 5651.61     | 56.21             | -162.95       | 35.52        | 0.07             |
| 5748.40    | 1.551              | 200.293        | 5745.37     | 55.74             | -165.37       | 34.73        | 0.13             |
| 5842.10    | 1.569              | 197.376        | 5839.04     | 55.23             | -167.79       | 33.90        | 0.09             |
| 5935.90    | 1.699              | 199.105        | 5932.80     | 54.73             | -170.33       | 33.06        | 0.15             |
| 6029.60    | 1.739              | 194.995        | 6026.46     | 54.26             | -173.01       | 32.24        | 0.14             |
| 6123.30    | 1.751              | 193.900        | 6120.12     | 53.91             | -175.77       | 31.53        | 0.04             |
| 6217.10    | 1.820              | 193.259        | 6213.87     | 53.59             | -178.62       | 30.84        | 0.08             |
| 6310.80    | 1.871              | 191.234        | 6307.52     | 53.34             | -181.56       | 30.20        | 0.09             |
| 6404.60    | 1.871              | 194.123        | 6401.27     | 53.06             | -184.55       | 29.53        | 0.10             |
| 6498.30    | 1.788              | 196.843        | 6494.92     | 52.64             | -187.43       | 28.74        | 0.13             |
| 6592.00    | 1.837              | 197.795        | 6588.58     | 52.13             | -190.26       | 27.85        | 0.06             |
| 6685.80    | 1.887              | 198.600        | 6682.33     | 51.56             | -193.16       | 26.90        | 0.06             |
| 6779.50    | 1.828              | 205.612        | 6775.98     | 50.79             | -195.97       | 25.76        | 0.25             |
| 6873.30    | 1.790              | 210.773        | 6869.73     | 49.74             | -198.57       | 24.37        | 0.18             |
| 6967.00    | 2.145              | 213.991        | 6963.38     | 48.38             | -201.29       | 22.64        | 0.40             |
| 7060.70    | 1.892              | 196.680        | 7057.02     | 47.34             | -204.22       | 21.21        | 0.70             |
| 7154.50    | 1.927              | 208.700        | 7150.77     | 46.52             | -207.09       | 20.01        | 0.43             |
| 7206.00    | 1.800              | 244.800        | 7202.24     | 45.52             | -208.19       | 18.86        | 2.25             |
| 7237.00    | 0.900              | 235.000        | 7233.23     | 44.93             | -208.54       | 18.22        | 2.99             |
| 7269.00    | 2.000              | 89.900         | 7265.23     | 45.30             | -208.68       | 18.58        | 8.71             |
| 7300.00    | 5.400              | 89.100         | 7296.16     | 47.28             | -208.66       | 20.58        | 10.97            |
| 7332.00    | 8.500              | 90.900         | 7327.92     | 51.12             | -208.67       | 24.45        | 9.71             |
| 7363.00    | 11.900             | 94.000         | 7358.42     | 56.59             | -208.93       | 29.93        | 11.11            |
| 7394.00    | 15.100             | 97.700         | 7388.57     | 63.82             | -209.70       | 37.12        | 10.69            |
| 7426.00    | 17.800             | 98.200         | 7419.25     | 72.88             | -210.95       | 46.09        | 8.45             |
| 7457.00    | 20.400             | 98.600         | 7448.54     | 83.02             | -212.44       | 56.13        | 8.40             |
| 7488.00    | 22.000             | 99.800         | 7477.44     | 94.23             | -214.23       | 67.19        | 5.35             |
| 7518.00    | 24.300             | 99.400         | 7505.03     | 106.01            | -216.20       | 78.82        | 7.68             |
| 7551.00    | 27.000             | 98.100         | 7534.77     | 120.29            | -218.36       | 92.94        | 8.36             |



# Actual Wellpath Report

No. 2H AWP

Page 5 of 7



BAKER  
HUGHES

INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWP |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## WELLPATH DATA (147 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|
| 7583.00    | 29.900             | 97.800         | 7562.91     | 135.53            | -220.47       | 108.03       | 9.07             |
| 7612.00    | 33.400             | 99.100         | 7587.59     | 150.74            | -222.71       | 123.08       | 12.30            |
| 7646.00    | 37.900             | 100.400        | 7615.21     | 170.54            | -226.08       | 142.60       | 13.42            |
| 7677.00    | 41.900             | 98.200         | 7638.99     | 190.41            | -229.28       | 162.22       | 13.68            |
| 7707.00    | 46.200             | 95.100         | 7660.55     | 211.25            | -231.67       | 182.93       | 16.03            |
| 7740.00    | 51.100             | 92.700         | 7682.34     | 235.97            | -233.33       | 207.64       | 15.82            |
| 7771.00    | 56.300             | 92.300         | 7700.69     | 260.85            | -234.42       | 232.59       | 16.81            |
| 7802.00    | 61.600             | 92.300         | 7716.67     | 287.29            | -235.49       | 259.12       | 17.10            |
| 7834.00    | 67.200             | 92.200         | 7730.50     | 316.02            | -236.62       | 287.94       | 17.50            |
| 7865.00    | 69.700             | 92.400         | 7741.88     | 344.74            | -237.78       | 316.75       | 8.09             |
| 7897.00    | 69.800             | 92.300         | 7752.96     | 374.65            | -239.01       | 346.75       | 0.43             |
| 7928.00    | 69.800             | 92.300         | 7763.66     | 403.62            | -240.17       | 375.82       | 0.00             |
| 7960.00    | 70.100             | 92.400         | 7774.63     | 433.57            | -241.41       | 405.85       | 0.98             |
| 7991.00    | 70.500             | 92.200         | 7785.08     | 462.64            | -242.58       | 435.02       | 1.43             |
| 8023.00    | 71.100             | 92.100         | 7795.61     | 492.73            | -243.71       | 465.21       | 1.90             |
| 8054.00    | 71.600             | 92.000         | 7805.52     | 521.98            | -244.76       | 494.57       | 1.64             |
| 8084.00    | 73.800             | 93.200         | 7814.44     | 550.52            | -246.06       | 523.18       | 8.27             |
| 8117.00    | 77.100             | 95.000         | 7822.73     | 582.40            | -248.35       | 555.03       | 11.31            |
| 8148.00    | 79.300             | 95.700         | 7829.07     | 612.72            | -251.18       | 585.24       | 7.43             |
| 8179.00    | 80.000             | 95.500         | 7834.64     | 643.20            | -254.16       | 615.59       | 2.33             |
| 8211.00    | 82.400             | 94.500         | 7839.53     | 674.79            | -256.91       | 647.09       | 8.11             |
| 8243.00    | 85.900             | 93.700         | 7842.80     | 706.57            | -259.19       | 678.84       | 11.22            |
| 8279.00    | 87.500             | 93.400         | 7844.87     | 742.43            | -261.41       | 714.71       | 4.52             |
| 8310.00    | 88.100             | 93.500         | 7846.06     | 773.33            | -263.28       | 745.63       | 1.96             |
| 8341.00    | 88.300             | 93.300         | 7847.03     | 804.24            | -265.11       | 776.56       | 0.91             |
| 8373.00    | 88.800             | 93.200         | 7847.84     | 836.15            | -266.93       | 808.50       | 1.59             |
| 8467.00    | 89.400             | 93.400         | 7849.32     | 929.89            | -272.34       | 902.33       | 0.67             |
| 8562.00    | 89.700             | 93.300         | 7850.06     | 1024.65           | -277.89       | 997.17       | 0.33             |
| 8656.00    | 90.300             | 95.600         | 7850.06     | 1118.52           | -285.18       | 1090.88      | 2.53             |
| 8750.00    | 90.300             | 95.500         | 7849.57     | 1212.47           | -294.27       | 1184.43      | 0.11             |



# Actual Wellpath Report

No. 2H AWP

Page 6 of 7



## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWP |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## WELLPATH DATA (147 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|
| 8845.00    | 90.300             | 95.000         | 7849.07     | 1307.40           | -302.96       | 1279.03      | 0.53             |
| 8939.00    | 90.300             | 94.700         | 7848.58     | 1401.31           | -310.91       | 1372.70      | 0.32             |
| 9033.00    | 90.300             | 94.100         | 7848.09     | 1495.18           | -318.12       | 1466.42      | 0.64             |
| 9128.00    | 89.900             | 95.000         | 7847.92     | 1590.06           | -325.66       | 1561.12      | 1.04             |
| 9222.00    | 89.800             | 95.600         | 7848.17     | 1684.00           | -334.34       | 1654.71      | 0.65             |
| 9315.00    | 89.800             | 94.700         | 7848.49     | 1776.92           | -342.69       | 1747.34      | 0.97             |
| 9409.00    | 89.800             | 94.000         | 7848.82     | 1870.79           | -349.82       | 1841.06      | 0.74             |
| 9505.00    | 89.800             | 93.200         | 7849.16     | 1966.57           | -355.85       | 1936.87      | 0.83             |
| 9599.00    | 89.900             | 94.000         | 7849.40     | 2060.37           | -361.75       | 2030.69      | 0.86             |
| 9693.00    | 89.900             | 94.100         | 7849.57     | 2154.21           | -368.39       | 2124.45      | 0.11             |
| 9786.00    | 89.900             | 93.400         | 7849.73     | 2247.02           | -374.47       | 2217.25      | 0.75             |
| 9880.00    | 89.900             | 93.200         | 7849.89     | 2340.78           | -379.88       | 2311.10      | 0.21             |
| 9975.00    | 89.900             | 92.700         | 7850.06     | 2435.49           | -384.77       | 2405.97      | 0.53             |
| 10071.00   | 89.800             | 93.100         | 7850.31     | 2531.19           | -389.63       | 2501.85      | 0.43             |
| 10165.00   | 89.900             | 93.400         | 7850.56     | 2624.95           | -394.96       | 2595.69      | 0.34             |
| 10259.00   | 89.900             | 94.900         | 7850.72     | 2718.79           | -401.76       | 2689.45      | 1.60             |
| 10353.00   | 89.900             | 94.800         | 7850.89     | 2812.70           | -409.71       | 2783.11      | 0.11             |
| 10446.00   | 89.900             | 94.400         | 7851.05     | 2905.59           | -417.17       | 2875.81      | 0.43             |
| 10540.00   | 89.900             | 93.700         | 7851.21     | 2999.43           | -423.80       | 2969.57      | 0.74             |
| 10636.00   | 89.900             | 93.500         | 7851.38     | 3095.21           | -429.83       | 3065.38      | 0.21             |
| 10731.00   | 89.900             | 95.900         | 7851.55     | 3190.10           | -437.62       | 3160.06      | 2.53             |
| 10825.00   | 89.900             | 98.200         | 7851.71     | 3284.09           | -449.15       | 3253.34      | 2.45             |
| 10920.00   | 89.800             | 96.700         | 7851.96     | 3379.09           | -461.47       | 3347.54      | 1.58             |
| 10980.00   | 90.600             | 95.600         | 7851.75     | 3439.07           | -467.90       | 3407.19      | 2.27             |
| 11012.00   | 91.900             | 95.200         | 7851.05     | 3471.05           | -470.91       | 3439.04      | 4.25             |
| 11108.00   | 92.200             | 92.400         | 7847.62     | 3566.79           | -477.27       | 3534.76      | 2.93             |
| 11160.00†  | 92.200             | 92.400         | 7845.62     | 3618.55           | -479.44       | 3586.67      | 0.00             |



# Actual Wellpath Report

No. 2H AWP

Page 7 of 7



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                                |          |            |
|----------|--------------------------------|----------|------------|
| Operator | OXY Permian                    | Slot     | No. 2H SHL |
| Area     | Eddy County, NM                | Well     | No. 2H     |
| Field    | (Goodnight) Sec 27, T23S, R29E | Wellbore | No. 2H AWB |
| Facility | Goodnight 27 Fed No. 2H        |          |            |

## TARGETS

| Name              | MD<br>[ft] | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | Shape |
|-------------------|------------|-------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|-------|
| No. 2H Pen. Point |            | 7746.00     | -241.39       | 320.00       | 651816.26             | 463847.62              | 32°16'27.403"N | 103°50'31.668"W | point |
| No. 2H BHL        |            | 7859.74     | -467.59       | 3599.80      | 655095.84             | 463621.43              | 32°16'25.015"N | 103°49'53.481"W | point |

## WELLPATH COMPOSITION

Ref Wellbore: No. 2H AWB

Ref Wellpath: No. 2H AWP

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model                | Log Name/Comment  | Wellbore   |
|------------------|----------------|---------------------------------------------|-------------------|------------|
| 0.00             | 7154.50        | Gyrodata standard - Drop gyro or Multi-shot | GYRO              | No. 2H AWB |
| 7154.50          | 11108.00       | NaviTrak (Standard)                         | MWD               | No. 2H AWB |
| 11108.00         | 11160.00       | Blind Drilling (std)                        | Projection to bit | No. 2H AWB |