

# WPX ENERGY

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 31 2017

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## WPX Energy

Eddy County, New Mexico (NAD 83)

C State 16

3H

30-015-44136

Wellbore #1

Design: Surveys

## Standard Survey Report

03 July, 2017

Please provide signature  
page for directional survey

**MS** Energy Services®  
WWW.MSENERGYSERVICES.COM



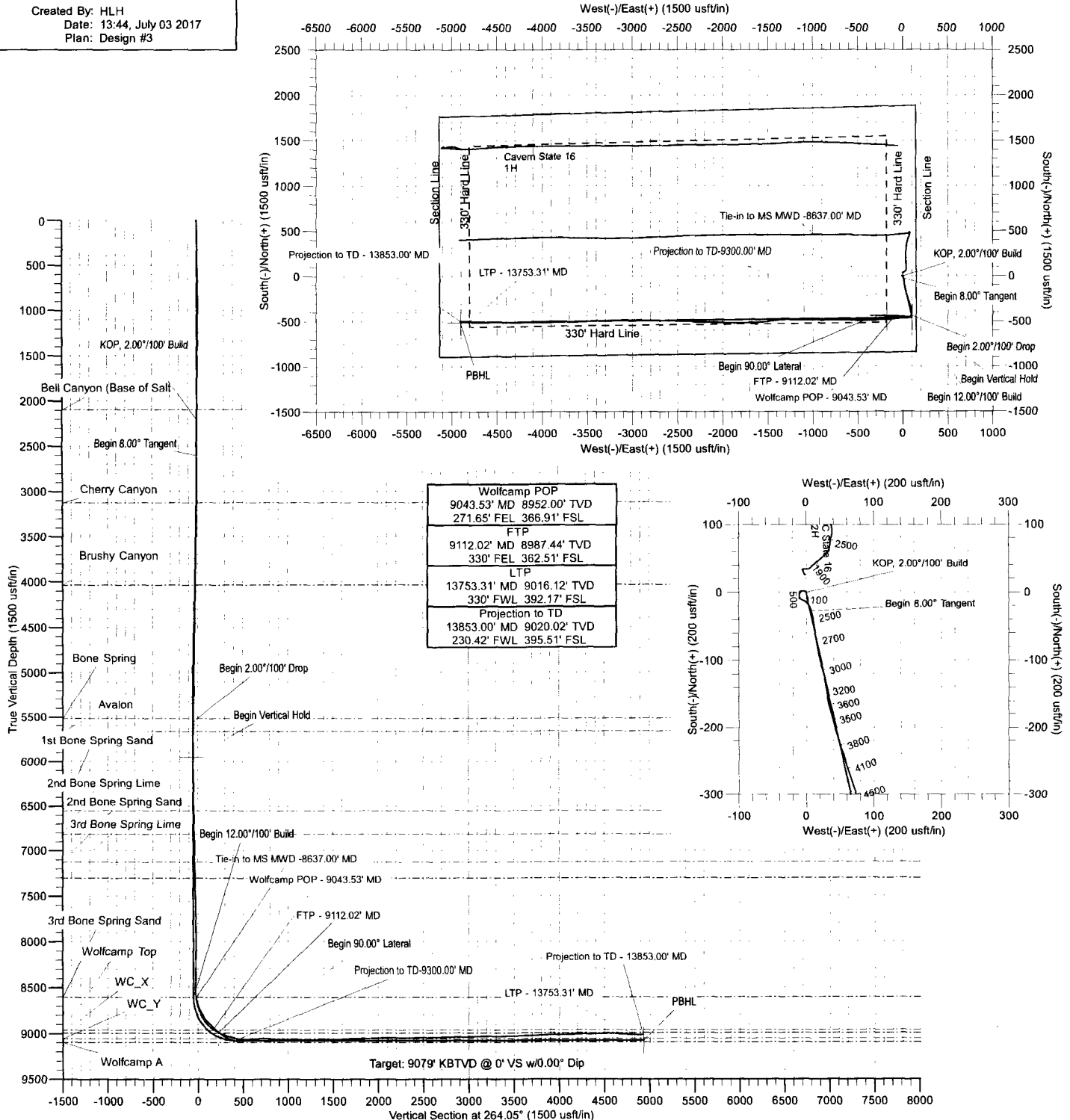
Azimuths to Grid North  
 True North: -0.08°  
 Magnetic North: 7.23°  
 Magnetic Field  
 Strength: 47982.2snT  
 Dip Angle: 60.00°  
 Date: 7/11/2017  
 Model: BGGM2017

US State Plane 1983  
 New Mexico Eastern Zone

Created By: HLH  
 Date: 13:44, July 03 2017  
 Plan: Design #3

## ANNOTATIONS

| MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W    | Vsect   | Departure | Annotation              |
|----------|-------|--------|---------|---------|----------|---------|-----------|-------------------------|
| 2200.00  | 0.00  | 0.00   | 2200.00 | 0.00    | 0.00     | 0.00    | 0.00      | KOP, 2.00°/100' Build   |
| 2599.99  | 8.00  | 167.58 | 2598.69 | -27.23  | 6.00     | -3.14   | 27.88     | Begin 8.00° Tangent     |
| 5584.65  | 8.00  | 167.58 | 5554.31 | -432.88 | 95.32    | -49.95  | 443.25    | Begin 2.00°/100' Drop   |
| 5984.64  | 0.00  | 0.00   | 5953.00 | -460.11 | 101.31   | -53.09  | 471.13    | Begin Vertical Hold     |
| 8633.18  | 0.00  | 0.00   | 8601.54 | -460.11 | 101.31   | -53.09  | 471.13    | Begin 12.00°/100' Build |
| 9383.18  | 90.00 | 269.42 | 9079.00 | -464.95 | -376.13  | 422.28  | 948.59    | Begin 90.00° Lateral    |
| 13910.93 | 90.00 | 269.42 | 9079.00 | -510.88 | -4903.64 | 4930.18 | 5476.34   | PBHL                    |



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented.

Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | WPX Energy                       | <b>Local Co-ordinate Reference:</b> | Well 3H                      |
| <b>Project:</b>  | Eddy County, New Mexico (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3166.00usft (H&P 509) |
| <b>Site:</b>     | C State 16                       | <b>MD Reference:</b>                | WELL @ 3166.00usft (H&P 509) |
| <b>Well:</b>     | 3H                               | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | Wellbore #1                      | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                          | <b>Database:</b>                    | EDM Conroe                   |

|                    |                                  |                      |                |
|--------------------|----------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, New Mexico (NAD 83) |                      |                |
| <b>Map System:</b> | US State Plane 1983              | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983        |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone          |                      |                |

|                             |              |                            |                                  |
|-----------------------------|--------------|----------------------------|----------------------------------|
| <b>Well</b>                 | 3H           |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.00 usft                  | <b>Northing:</b> 472,899.30 usft |
|                             | <b>+E/-W</b> | 0.00 usft                  | <b>Easting:</b> 586,567.60 usft  |
| <b>Position Uncertainty</b> | 0.00 usft    | <b>Wellhead Elevation:</b> | usft                             |
|                             |              | <b>Latitude:</b>           | 32° 17' 59.959 N                 |
|                             |              | <b>Longitude:</b>          | 104° 11' 13.004 W                |
|                             |              | <b>Ground Level:</b>       | 3,136.00 usft                    |

|                  |                   |                    |                        |                      |                            |  |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|--|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |  |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |  |
|                  | BGGM2017          | 6/1/2017           | 7.32                   | 60.01                | 47,991                     |  |
|                  | BGGM2017          | 7/1/2017           | 7.31                   | 60.00                | 47,982                     |  |

|                          |                                |                     |                     |                      |      |  |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|--|
| <b>Design</b>            | Surveys                        |                     |                     |                      |      |  |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |  |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.00 |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |      |  |
|                          | 0.00                           | 0.00                | 0.00                | 264.05               |      |  |

|                       |                      |                          |                  |                     |
|-----------------------|----------------------|--------------------------|------------------|---------------------|
| <b>Survey Program</b> | <b>Date</b> 6/9/2017 |                          |                  |                     |
| <b>From (usft)</b>    | <b>To (usft)</b>     | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>  |
| 145.00                | 9,300.00             | MS MWD (Wellbore #1)     | MWD              | OWSG MWD - Standard |

| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |
| 145.00                       | 0.70                   | 333.10             | 145.00                       | 0.79                | -0.40               | 0.32                           | 0.48                           | 0.48                          | 0.00                         |
| 327.00                       | 1.01                   | 272.40             | 326.98                       | 1.85                | -2.51               | 2.30                           | 0.50                           | 0.17                          | -33.35                       |
| 414.00                       | 1.50                   | 273.90             | 413.96                       | 1.96                | -4.41               | 4.18                           | 0.56                           | 0.56                          | 1.72                         |
| 519.00                       | 1.90                   | 266.30             | 518.91                       | 1.94                | -7.52               | 7.28                           | 0.44                           | 0.38                          | -7.24                        |
| 610.00                       | 1.20                   | 218.20             | 609.88                       | 1.09                | -9.61               | 9.45                           | 1.56                           | -0.77                         | -52.86                       |
| 702.00                       | 1.40                   | 183.80             | 701.86                       | -0.79               | -10.28              | 10.31                          | 0.86                           | 0.22                          | -37.39                       |
| 793.00                       | 1.20                   | 179.60             | 792.84                       | -2.85               | -10.35              | 10.59                          | 0.24                           | -0.22                         | -4.62                        |
| 885.00                       | 1.00                   | 183.20             | 884.82                       | -4.61               | -10.39              | 10.81                          | 0.23                           | -0.22                         | 3.91                         |
| 976.00                       | 0.90                   | 188.80             | 975.81                       | -6.11               | -10.54              | 11.12                          | 0.15                           | -0.11                         | 6.15                         |
| 1,068.00                     | 0.50                   | 177.90             | 1,067.80                     | -7.23               | -10.64              | 11.33                          | 0.46                           | -0.43                         | -11.85                       |
| 1,159.00                     | 0.40                   | 176.80             | 1,158.80                     | -7.94               | -10.60              | 11.37                          | 0.11                           | -0.11                         | -1.21                        |
| 1,250.00                     | 0.40                   | 145.00             | 1,249.79                     | -8.52               | -10.40              | 11.23                          | 0.24                           | 0.00                          | -34.95                       |
| 1,342.00                     | 1.00                   | 120.70             | 1,341.79                     | -9.19               | -9.53               | 10.43                          | 0.71                           | 0.65                          | -26.41                       |
| 1,436.00                     | 1.70                   | 117.50             | 1,435.76                     | -10.25              | -7.59               | 8.61                           | 0.75                           | 0.74                          | -3.40                        |

**Company:** WPX Energy  
**Project:** Eddy County, New Mexico (NAD 83)  
**Site:** C State 16  
**Well:** 3H  
**Wellbore:** Wellbore #1  
**Design:** Surveys

**Local Co-ordinate Reference:** Well 3H  
**TVD Reference:** WELL @ 3166.00usft (H&P 509)  
**MD Reference:** WELL @ 3166.00usft (H&P 509)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM Conroe

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Bulld Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 1,531.00              | 1.70            | 111.00      | 1,530.72              | -11.41       | -5.02        | 6.18                    | 0.20                    | 0.00                   | -6.84                 |
| 1,625.00              | 1.90            | 111.50      | 1,624.67              | -12.48       | -2.27        | 3.55                    | 0.21                    | 0.21                   | 0.53                  |
| 1,719.00              | 0.90            | 140.40      | 1,718.64              | -13.62       | -0.35        | 1.76                    | 1.27                    | -1.06                  | 30.74                 |
| 1,814.00              | 0.70            | 139.60      | 1,813.63              | -14.64       | 0.50         | 1.02                    | 0.21                    | -0.21                  | -0.84                 |
| 1,908.00              | 0.90            | 128.60      | 1,907.63              | -15.53       | 1.45         | 0.17                    | 0.27                    | 0.21                   | -11.70                |
| 2,002.00              | 0.60            | 125.60      | 2,001.62              | -16.28       | 2.43         | -0.73                   | 0.32                    | -0.32                  | -3.19                 |
| 2,179.00              | 0.30            | 156.10      | 2,178.61              | -17.24       | 3.37         | -1.56                   | 0.21                    | -0.17                  | 17.23                 |
| 2,273.00              | 2.90            | 154.40      | 2,272.57              | -19.61       | 4.50         | -2.44                   | 2.77                    | 2.77                   | -1.81                 |
| 2,368.00              | 2.90            | 155.10      | 2,367.45              | -23.96       | 6.55         | -4.03                   | 0.04                    | 0.00                   | 0.74                  |
| 2,462.00              | 5.70            | 167.80      | 2,461.17              | -30.68       | 8.53         | -5.31                   | 3.13                    | 2.98                   | 13.51                 |
| 2,559.00              | 9.80            | 171.60      | 2,557.27              | -43.56       | 10.76        | -6.19                   | 4.26                    | 4.23                   | 3.92                  |
| 2,651.00              | 10.00           | 171.40      | 2,647.90              | -59.21       | 13.10        | -6.89                   | 0.22                    | 0.22                   | -0.22                 |
| 2,745.00              | 9.60            | 169.60      | 2,740.53              | -74.99       | 15.73        | -7.88                   | 0.54                    | -0.43                  | -1.91                 |
| 2,840.00              | 9.00            | 169.20      | 2,834.28              | -90.08       | 18.56        | -9.12                   | 0.64                    | -0.63                  | -0.42                 |
| 2,934.00              | 8.20            | 165.70      | 2,927.22              | -103.79      | 21.59        | -10.71                  | 1.02                    | -0.85                  | -3.72                 |
| 3,029.00              | 7.60            | 163.40      | 3,021.32              | -116.38      | 25.06        | -12.86                  | 0.71                    | -0.63                  | -2.42                 |
| 3,123.00              | 8.80            | 172.40      | 3,114.36              | -129.47      | 27.78        | -14.21                  | 1.87                    | 1.28                   | 9.57                  |
| 3,218.00              | 9.20            | 171.60      | 3,208.19              | -144.18      | 29.85        | -14.75                  | 0.44                    | 0.42                   | -0.84                 |
| 3,312.00              | 9.00            | 168.90      | 3,301.01              | -158.83      | 32.37        | -15.73                  | 0.50                    | -0.21                  | -2.87                 |
| 3,407.00              | 8.70            | 166.90      | 3,394.88              | -173.12      | 35.43        | -17.29                  | 0.45                    | -0.32                  | -2.11                 |
| 3,501.00              | 8.00            | 165.10      | 3,487.88              | -186.37      | 38.72        | -19.19                  | 0.79                    | -0.74                  | -1.91                 |
| 3,595.00              | 7.70            | 164.20      | 3,581.00              | -198.75      | 42.12        | -21.29                  | 0.34                    | -0.32                  | -0.96                 |
| 3,690.00              | 7.60            | 163.70      | 3,675.15              | -210.90      | 45.61        | -23.51                  | 0.13                    | -0.11                  | -0.53                 |
| 3,784.00              | 7.30            | 161.80      | 3,768.36              | -222.54      | 49.22        | -25.89                  | 0.41                    | -0.32                  | -2.02                 |
| 3,879.00              | 7.10            | 162.60      | 3,862.61              | -233.88      | 52.86        | -28.34                  | 0.24                    | -0.21                  | 0.84                  |
| 3,973.00              | 6.90            | 162.80      | 3,955.91              | -244.81      | 56.27        | -30.59                  | 0.21                    | -0.21                  | 0.21                  |
| 4,068.00              | 6.50            | 161.50      | 4,050.26              | -255.36      | 59.66        | -32.87                  | 0.45                    | -0.42                  | -1.37                 |
| 4,162.00              | 6.00            | 160.90      | 4,143.70              | -265.05      | 62.96        | -35.15                  | 0.54                    | -0.53                  | -0.64                 |
| 4,257.00              | 5.50            | 162.40      | 4,238.22              | -274.08      | 65.96        | -37.19                  | 0.55                    | -0.53                  | 1.58                  |
| 4,351.00              | 4.70            | 164.70      | 4,331.85              | -282.09      | 68.34        | -38.73                  | 0.88                    | -0.85                  | 2.45                  |
| 4,446.00              | 6.60            | 161.70      | 4,426.38              | -291.03      | 71.08        | -40.53                  | 2.02                    | 2.00                   | -3.16                 |
| 4,540.00              | 8.10            | 162.20      | 4,519.61              | -302.46      | 74.80        | -43.05                  | 1.60                    | 1.60                   | 0.53                  |
| 4,634.00              | 6.90            | 162.50      | 4,612.80              | -314.16      | 78.52        | -45.54                  | 1.28                    | -1.28                  | 0.32                  |
| 4,729.00              | 6.30            | 161.70      | 4,707.17              | -324.55      | 81.88        | -47.79                  | 0.64                    | -0.63                  | -0.84                 |
| 4,823.00              | 5.80            | 162.10      | 4,800.65              | -333.96      | 84.96        | -49.88                  | 0.53                    | -0.53                  | 0.43                  |
| 4,918.00              | 5.50            | 161.10      | 4,895.19              | -342.84      | 87.91        | -51.89                  | 0.33                    | -0.32                  | -1.05                 |
| 5,012.00              | 7.80            | 169.80      | 4,988.55              | -353.38      | 90.50        | -53.38                  | 2.66                    | 2.45                   | 9.26                  |
| 5,107.00              | 8.30            | 176.40      | 5,082.62              | -366.57      | 92.07        | -53.57                  | 1.11                    | 0.53                   | 6.95                  |
| 5,201.00              | 7.60            | 176.00      | 5,175.71              | -379.54      | 92.93        | -53.08                  | 0.75                    | -0.74                  | -0.43                 |
| 5,296.00              | 6.90            | 176.20      | 5,269.95              | -391.50      | 93.74        | -52.66                  | 0.74                    | -0.74                  | 0.21                  |
| 5,390.00              | 6.40            | 174.90      | 5,363.32              | -402.35      | 94.58        | -52.37                  | 0.56                    | -0.53                  | -1.38                 |
| 5,484.00              | 6.20            | 173.50      | 5,456.75              | -412.62      | 95.62        | -52.34                  | 0.27                    | -0.21                  | -1.49                 |
| 5,579.00              | 5.30            | 172.10      | 5,551.27              | -422.06      | 96.81        | -52.54                  | 0.96                    | -0.95                  | -1.47                 |

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | WPX Energy                       | <b>Local Co-ordinate Reference:</b> | Well 3H                      |
| <b>Project:</b>  | Eddy County, New Mexico (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3166.00usft (H&P 509) |
| <b>Site:</b>     | C State 16                       | <b>MD Reference:</b>                | WELL @ 3166.00usft (H&P 509) |
| <b>Well:</b>     | 3H                               | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | Wellbore #1                      | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                          | <b>Database:</b>                    | EDM Conroe                   |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,673.00              | 4.60            | 172.00      | 5,644.92              | -430.09      | 97.93        | -52.82                  | 0.74                    | -0.74                  | -0.11                 |
| 5,768.00              | 3.50            | 167.50      | 5,739.68              | -436.70      | 99.09        | -53.29                  | 1.20                    | -1.16                  | -4.74                 |
| 5,862.00              | 2.50            | 170.80      | 5,833.55              | -441.52      | 100.04       | -53.73                  | 1.08                    | -1.06                  | 3.51                  |
| 5,957.00              | 2.30            | 186.70      | 5,928.47              | -445.46      | 100.15       | -53.43                  | 0.73                    | -0.21                  | 16.74                 |
| 6,051.00              | 2.40            | 191.80      | 6,022.39              | -449.26      | 99.52        | -52.42                  | 0.25                    | 0.11                   | 5.43                  |
| 6,146.00              | 2.50            | 187.70      | 6,117.31              | -453.26      | 98.84        | -51.32                  | 0.21                    | 0.11                   | -4.32                 |
| 6,240.00              | 2.40            | 188.20      | 6,211.22              | -457.24      | 98.28        | -50.36                  | 0.11                    | -0.11                  | 0.53                  |
| 6,335.00              | 0.60            | 252.30      | 6,306.19              | -459.36      | 97.53        | -49.38                  | 2.32                    | -1.89                  | 67.47                 |
| 6,429.00              | 1.20            | 289.80      | 6,400.18              | -459.18      | 96.13        | -48.01                  | 0.86                    | 0.64                   | 39.89                 |
| 6,524.00              | 0.90            | 294.60      | 6,495.16              | -458.53      | 94.52        | -46.48                  | 0.33                    | -0.32                  | 5.05                  |
| 6,618.00              | 1.00            | 298.40      | 6,589.15              | -457.83      | 93.12        | -45.16                  | 0.13                    | 0.11                   | 4.04                  |
| 6,713.00              | 1.30            | 289.50      | 6,684.13              | -457.08      | 91.38        | -43.50                  | 0.37                    | 0.32                   | -9.37                 |
| 6,807.00              | 1.30            | 276.80      | 6,778.10              | -456.59      | 89.31        | -41.50                  | 0.31                    | 0.00                   | -13.51                |
| 6,901.00              | 1.50            | 266.70      | 6,872.08              | -456.54      | 87.03        | -39.23                  | 0.34                    | 0.21                   | -10.74                |
| 6,996.00              | 1.30            | 293.70      | 6,967.05              | -456.18      | 84.80        | -37.05                  | 0.72                    | -0.21                  | 28.42                 |
| 7,090.00              | 0.90            | 289.20      | 7,061.03              | -455.51      | 83.13        | -35.46                  | 0.44                    | -0.43                  | -4.79                 |
| 7,185.00              | 1.20            | 285.40      | 7,156.02              | -455.00      | 81.46        | -33.86                  | 0.32                    | 0.32                   | -4.00                 |
| 7,279.00              | 1.10            | 286.60      | 7,250.00              | -454.48      | 79.65        | -32.11                  | 0.11                    | -0.11                  | 1.28                  |
| 7,374.00              | 1.10            | 275.30      | 7,344.98              | -454.13      | 77.87        | -30.37                  | 0.23                    | 0.00                   | -11.89                |
| 7,468.00              | 1.20            | 277.10      | 7,438.96              | -453.93      | 75.99        | -28.53                  | 0.11                    | 0.11                   | 1.91                  |
| 7,563.00              | 1.10            | 276.50      | 7,533.94              | -453.70      | 74.10        | -26.67                  | 0.11                    | -0.11                  | -0.63                 |
| 7,657.00              | 1.10            | 283.80      | 7,627.92              | -453.38      | 72.33        | -24.94                  | 0.15                    | 0.00                   | 7.77                  |
| 7,752.00              | 0.70            | 291.00      | 7,722.91              | -452.96      | 70.90        | -23.56                  | 0.44                    | -0.42                  | 7.58                  |
| 7,846.00              | 0.20            | 311.80      | 7,816.91              | -452.64      | 70.24        | -22.94                  | 0.55                    | -0.53                  | 22.13                 |
| 7,941.00              | 0.30            | 164.70      | 7,911.91              | -452.77      | 70.18        | -22.87                  | 0.51                    | 0.11                   | -154.84               |
| 8,035.00              | 0.60            | 138.10      | 8,005.91              | -453.38      | 70.57        | -23.20                  | 0.38                    | 0.32                   | -28.30                |
| 8,129.00              | 1.30            | 129.30      | 8,099.89              | -454.42      | 71.73        | -24.24                  | 0.76                    | 0.74                   | -9.36                 |
| 8,224.00              | 0.50            | 209.90      | 8,194.88              | -455.46      | 72.36        | -24.75                  | 1.38                    | -0.84                  | 84.84                 |
| 8,318.00              | 0.70            | 115.00      | 8,288.88              | -456.06      | 72.67        | -25.01                  | 0.95                    | 0.21                   | -100.96               |
| 8,448.00              | 1.10            | 118.80      | 8,418.86              | -456.99      | 74.49        | -26.71                  | 0.31                    | 0.31                   | 2.92                  |
| 8,542.00              | 0.90            | 137.10      | 8,512.85              | -457.97      | 75.78        | -27.90                  | 0.40                    | -0.21                  | 19.47                 |
| 8,637.00              | 8.70            | 285.90      | 8,607.51              | -456.55      | 69.36        | -21.66                  | 9.98                    | 8.21                   | 156.63                |
| 8,731.00              | 20.40           | 281.40      | 8,698.34              | -451.34      | 46.38        | 0.65                    | 12.50                   | 12.45                  | -4.79                 |
| 8,825.00              | 32.80           | 274.60      | 8,782.25              | -446.04      | 4.77         | 41.49                   | 13.56                   | 13.19                  | -7.23                 |
| 8,920.00              | 42.60           | 272.80      | 8,857.32              | -442.40      | -53.13       | 98.70                   | 10.38                   | 10.32                  | -1.89                 |
| 9,014.00              | 45.00           | 272.10      | 8,925.17              | -439.62      | -118.13      | 163.06                  | 2.60                    | 2.55                   | -0.74                 |
| 9,109.00              | 52.00           | 267.30      | 8,988.10              | -440.16      | -189.19      | 233.80                  | 8.28                    | 7.37                   | -5.05                 |
| 9,140.00              | 55.90           | 269.90      | 9,006.34              | -440.75      | -214.24      | 258.78                  | 14.29                   | 12.58                  | 8.39                  |
| 9,203.00              | 59.30           | 272.10      | 9,040.09              | -439.81      | -267.41      | 311.56                  | 6.15                    | 5.40                   | 3.49                  |
| 9,235.00              | 63.70           | 272.70      | 9,055.36              | -438.63      | -295.50      | 339.38                  | 13.85                   | 13.75                  | 1.88                  |
| 9,300.00              | 72.80           | 271.00      | 9,079.42              | -436.71      | -355.78      | 399.13                  | 14.21                   | 14.00                  | -2.62                 |

Projection to TD-9300.00' MD

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | WPX Energy                       | <b>Local Co-ordinate Reference:</b> | Well 3H                      |
| <b>Project:</b>  | Eddy County, New Mexico (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3166.00usft (H&P 509) |
| <b>Site:</b>     | C State 16                       | <b>MD Reference:</b>                | WELL @ 3166.00usft (H&P 509) |
| <b>Well:</b>     | 3H                               | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | Wellbore #1                      | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                          | <b>Database:</b>                    | EDM Conroe                   |

**Design Annotations**

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                      |
|-----------------------------|-----------------------------|-------------------|-----------------|------------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                              |
| 9,300.00                    | 9,079.42                    | -436.71           | -355.78         | Projection to TD-9300.00' MD |