

District I  
1625 N. French Drive, Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
811 S. First Street, Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Drive, Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 1, 2011

Submit one copy to  
Appropriate District Office

OIL CONSERVATION DIVISION  
1220 South St. Francis Drive  
Santa Fe, NM 87505

☐ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                          |                                                  |
|-----------------------------------------|----------------------------------------------------------|--------------------------------------------------|
| <sup>1</sup> API Number<br>30-039-31236 | <sup>2</sup> Pool Code<br>98088                          | <sup>3</sup> Pool Name<br>CHACO UNIT NE HZ (OIL) |
| <sup>4</sup> Property Code<br>313148    | <sup>5</sup> Property Name<br>CHACO 2306-18M             | <sup>6</sup> Well Number<br>256H                 |
| <sup>7</sup> GRID No.<br>120782         | <sup>8</sup> Operator Name<br>WPX ENERGY PRODUCTION, LLC | <sup>9</sup> Elevation<br>6938'                  |

CONFIDENTIAL

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| M             | 18      | 23N      | 6W    | 4       | 253           | SOUTH            | 196           | WEST           | RIO ARriba |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| A             | 19      | 23N      | 6W    |         | 290           | NORTH            | 230           | EAST           | SANDOVAL |

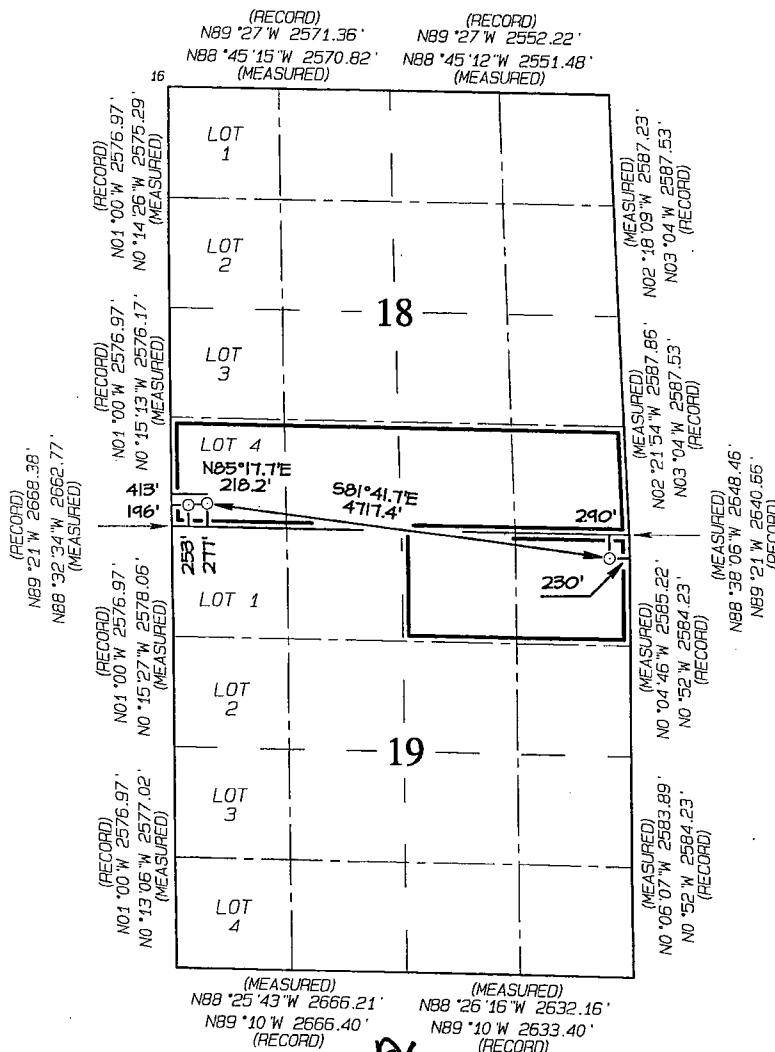
|                                               |                                           |                               |                                  |                         |
|-----------------------------------------------|-------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>240.81 Acres | S/2 S/2 Section 18<br>N/2 NE/4 Section 19 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-----------------------------------------------|-------------------------------------------|-------------------------------|----------------------------------|-------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE  
BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION  
OIL CONS. DIV DIST. 3

SURFACE LOCATION  
253' FSL 196' FWL  
SECTION 18, T23N, R6W  
LAT: 36.218880°N  
LONG: 107.517223°W  
DATUM: NAD1927  
  
LAT: 36.218894°N  
LONG: 107.517829°W  
DATUM: NAD1983

POINT-OF-ENTRY  
277' FSL 413' FWL  
SECTION 18, T23N, R6W  
LAT: 36.218937°N  
LONG: 107.516487°W  
DATUM: NAD1927  
  
LAT: 36.218951°N  
LONG: 107.517093°W  
DATUM: NAD1983

END-OF-LATERAL  
290' FSL 230' FWL  
SECTION 18, T23N, R6W  
LAT: 36.217232°N  
LONG: 107.500636°W  
DATUM: NAD1927  
  
LAT: 36.217246°N  
LONG: 107.501241°W  
DATUM: NAD1983



OCT 01 2014

<sup>17</sup> OPERATOR CERTIFICATION  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  
Signature: *Larry Higgins* Date: 9/20/14  
Printed Name: LARRY HIGGINS  
E-mail Address: larry.higgins@wpxenergy.com

<sup>18</sup> SURVEYOR CERTIFICATION  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  
Date Revised: SEPTEMBER 6, 2014  
Survey Date: DECEMBER 31, 2013  
Signature and Seal of Professional Surveyor  
  
JASON C. EDWARDS  
Certificate Number 15269



Company Name: WPX Energy Rocky Mountain, LLC  
 Project: Rio Arriba County, NM NAD27  
 Site: Chaco 2306-18M  
 Well: Chaco 2306-18M #256H

**WPXENERGY**

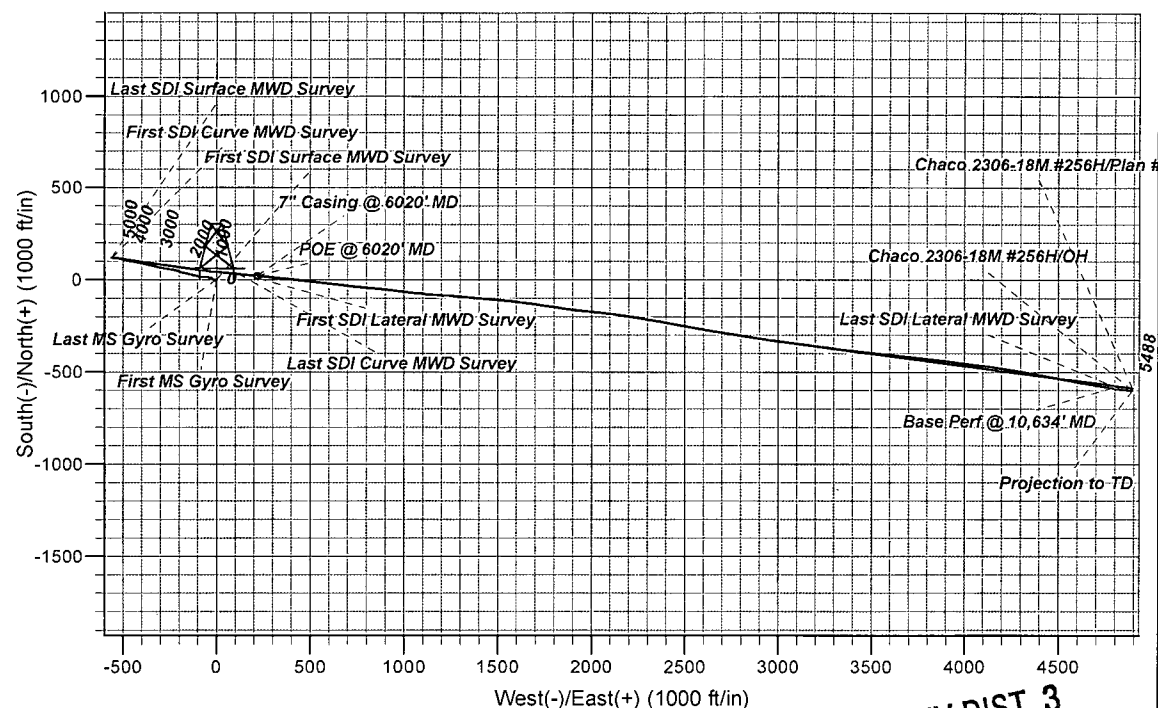
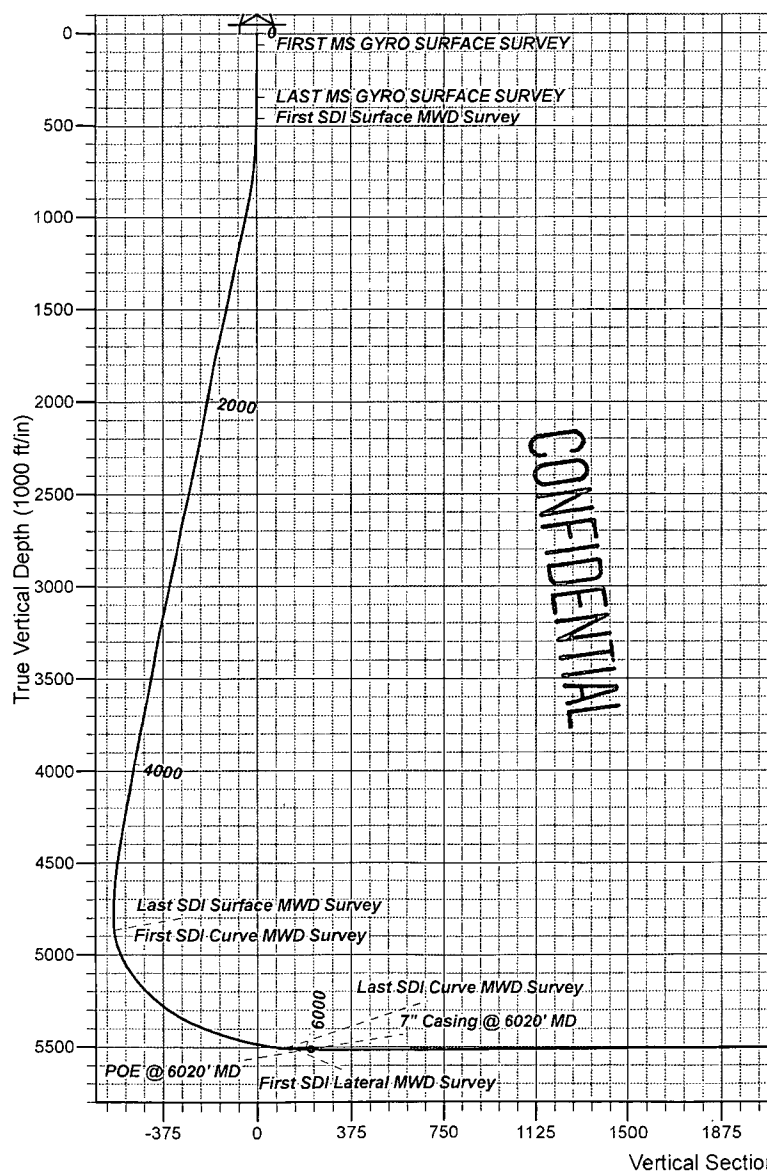


Azimuths to True North  
 Magnetic North: 9.43°

Magnetic Field  
 Strength: 50073.8snT  
 Dip Angle: 63.00°  
 Date: 7/30/2014  
 Model: BGGM2014

WELL DETAILS: Chaco 2306-18M #256H

| +N/-S | +E/-W | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) | 6938.00   |            |              |
|-------|-------|--------------------------------------------|-----------|------------|--------------|
|       |       | Northing                                   | Easting   | Latitude   | Longitude    |
| 0.00  | 0.00  | 1901325.10                                 | 126199.02 | 36.2188806 | -107.5172194 |



**OIL CONS. DIV DIST. 3**  
**OCT 01 2014**

Design: OH (Chaco 2306-18M #256H/OH)  
 Created By: Janie Collins Date: 12:06, September 02 2014  
 PROJECT DETAILS: Rio Arriba County, NM NAD27  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico Central 3002  
 System Datum: Mean Sea Level  
 Local North: True



## Survey Report - Geographic



|           |                                |                              |                                            |
|-----------|--------------------------------|------------------------------|--------------------------------------------|
| Company:  | WPX Energy Rocky Mountain, LLC | Local Co-ordinate Reference: | Well Chaco 2306-18M #256H                  |
| Project:  | Rio Arriba County, NM NAD27    | TVD Reference:               | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Site:     | Chaco 2306-18M                 | MD Reference:                | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Well:     | Chaco 2306-18M #256H           | North Reference:             | True                                       |
| Wellbore: | OH                             | Survey Calculation Method:   | Minimum Curvature                          |
| Design:   | OH                             | Database:                    | Grand Junction District                    |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | Rio Arriba County, NM NAD27          |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico Central 3002              |               |                |

|                       |                |                   |                   |
|-----------------------|----------------|-------------------|-------------------|
| Site                  | Chaco 2306-18M |                   |                   |
| Site Position:        |                | Northing:         | 1,901,303.06 usft |
| From:                 | Lat/Long       | Easting:          | 126,198.57 usft   |
| Position Uncertainty: | 0.00 ft        | Slot Radius:      | 13.200 in         |
|                       |                | Grid Convergence: | -0.75 °           |

|                      |                      |                     |             |
|----------------------|----------------------|---------------------|-------------|
| Well                 | Chaco 2306-18M #256H |                     |             |
| Well Position        | +N/-S                | 0.00 ft             | Northing:   |
|                      | +E/-W                | 0.00 ft             | Easting:    |
| Position Uncertainty | 0.00 ft              | Wellhead Elevation: | 0.00 ft     |
|                      |                      | Ground Level:       | 6,938.00 ft |

|           |            |             |                |
|-----------|------------|-------------|----------------|
| Wellbore  | OH         |             |                |
| Magnetics | Model Name | Sample Date | Declination    |
|           | BGGM2014   | 7/30/2014   | (°)            |
|           |            |             | 9.43           |
|           |            |             | Dip Angle      |
|           |            |             | (°)            |
|           |            |             | 63.00          |
|           |            |             | Field Strength |
|           |            |             | (nT)           |
|           |            |             | 50,074         |

|                   |                  |               |           |
|-------------------|------------------|---------------|-----------|
| Design            | OH               |               |           |
| Audit Notes:      |                  |               |           |
| Version:          | 1.0              | Phase:        | ACTUAL    |
|                   |                  | Tie On Depth: | 0.00      |
| Vertical Section: | Depth From (TVD) | +N/-S         | +E/-W     |
|                   | (ft)             | (ft)          | (ft)      |
|                   | 0.00             | 0.00          | 0.00      |
|                   |                  |               | Direction |
|                   |                  |               | (°)       |
|                   |                  |               | 204.41    |

|                |               |                                     |             |
|----------------|---------------|-------------------------------------|-------------|
| Survey Program | Date 9/2/2014 |                                     |             |
| From           | To            | Survey (Wellbore)                   | Tool Name   |
| (ft)           | (ft)          |                                     | Description |
| 14.00          | 346.00        | Survey #1 MS GYRO (OH)              | Gyro        |
| 459.00         | 4,910.00      | Survey #2 - Surface MWD Survey (OH) | MWD SDI     |
| 4,943.00       | 5,920.00      | Survey #3 - Curve MWD Survey (OH)   | MWD SDI     |
| 5,952.00       | 10,740.00     | Survey #4 - Lateral MWD Survey (OH) | MWD SDI     |

|                              |             |         |          |       |       |              |            |            |              |
|------------------------------|-------------|---------|----------|-------|-------|--------------|------------|------------|--------------|
| Survey                       |             |         |          |       |       |              |            |            |              |
| Measured                     | Inclination | Azimuth | Vertical | +N/-S | +E/-W | Map          | Map        | Latitude   | Longitude    |
| Depth                        | (°)         | (°)     | Depth    | (ft)  | (ft)  | Northing     | Easting    |            |              |
| (ft)                         |             |         | (ft)     |       |       | (usft)       | (usft)     |            |              |
| 0.00                         | 0.00        | 0.00    | 0.00     | 0.00  | 0.00  | 1,901,325.10 | 126,199.02 | 36.2188805 | -107.5172195 |
| 14.00                        | 0.00        | 0.00    | 14.00    | 0.00  | 0.00  | 1,901,325.10 | 126,199.02 | 36.2188805 | -107.5172195 |
| 64.00                        | 0.16        | 195.17  | 64.00    | -0.07 | -0.02 | 1,901,325.03 | 126,199.00 | 36.2188803 | -107.5172195 |
| FIRST MS GYRO SURFACE SURVEY |             |         |          |       |       |              |            |            |              |
| 114.00                       | 0.35        | 198.57  | 114.00   | -0.28 | -0.09 | 1,901,324.82 | 126,198.93 | 36.2188798 | -107.5172198 |
| 164.00                       | 0.38        | 192.68  | 164.00   | -0.59 | -0.17 | 1,901,324.52 | 126,198.84 | 36.2188789 | -107.5172201 |
| 214.00                       | 0.44        | 216.02  | 214.00   | -0.90 | -0.32 | 1,901,324.20 | 126,198.69 | 36.2188781 | -107.5172206 |
| 264.00                       | 0.46        | 195.83  | 264.00   | -1.25 | -0.49 | 1,901,323.85 | 126,198.52 | 36.2188771 | -107.5172211 |
| 314.00                       | 0.72        | 216.92  | 313.99   | -1.70 | -0.73 | 1,901,323.41 | 126,198.27 | 36.2188759 | -107.5172220 |

|                  |                                |                                     |                                            |
|------------------|--------------------------------|-------------------------------------|--------------------------------------------|
| <b>Company:</b>  | WPX Energy Rocky Mountain, LLC | <b>Local Co-ordinate Reference:</b> | Well Chaco 2306-18M #256H                  |
| <b>Project:</b>  | Rio Arriba County, NM NAD27    | <b>TVD Reference:</b>               | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| <b>Site:</b>     | Chaco 2306-18M                 | <b>MD Reference:</b>                | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| <b>Well:</b>     | Chaco 2306-18M #256H           | <b>North Reference:</b>             | True                                       |
| <b>Wellbore:</b> | OH                             | <b>Survey Calculation Method:</b>   | Minimum Curvature                          |
| <b>Design:</b>   | OH                             | <b>Database:</b>                    | Grand Junction District                    |

**Survey**

| Measured<br>Depth<br>(ft)           | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Map<br>Northing<br>(usft) | Map<br>Easting<br>(usft) | Latitude   | Longitude    |
|-------------------------------------|--------------------|----------------|---------------------------|---------------|---------------|---------------------------|--------------------------|------------|--------------|
| 346.00                              | 0.53               | 201.25         | 345.99                    | -1.99         | -0.91         | 1,901,323.12              | 126,198.09               | 36.2188751 | -107.5172226 |
| <b>LAST MS GYRO SURFACE SURVEY</b>  |                    |                |                           |               |               |                           |                          |            |              |
| 459.00                              | 0.72               | 243.53         | 458.98                    | -2.80         | -1.73         | 1,901,322.32              | 126,197.25               | 36.2188728 | -107.5172254 |
| <b>First SDI Surface MWD Survey</b> |                    |                |                           |               |               |                           |                          |            |              |
| 522.00                              | 0.87               | 240.69         | 521.98                    | -3.21         | -2.50         | 1,901,321.92              | 126,196.48               | 36.2188717 | -107.5172280 |
| 648.00                              | 3.24               | 293.79         | 647.90                    | -2.24         | -6.59         | 1,901,322.95              | 126,192.40               | 36.2188744 | -107.5172418 |
| 775.00                              | 5.22               | 302.07         | 774.54                    | 2.28          | -14.77        | 1,901,327.57              | 126,184.28               | 36.2188868 | -107.5172696 |
| 837.00                              | 7.16               | 303.54         | 836.18                    | 5.91          | -20.39        | 1,901,331.27              | 126,178.71               | 36.2188968 | -107.5172886 |
| 900.00                              | 8.01               | 298.06         | 898.63                    | 10.14         | -27.53        | 1,901,335.60              | 126,171.62               | 36.2189084 | -107.5173128 |
| 963.00                              | 9.50               | 277.83         | 960.91                    | 12.92         | -36.56        | 1,901,338.49              | 126,162.63               | 36.2189160 | -107.5173434 |
| 1,026.00                            | 9.66               | 277.32         | 1,023.03                  | 14.30         | -46.95        | 1,901,340.01              | 126,152.26               | 36.2189198 | -107.5173786 |
| 1,089.00                            | 9.43               | 275.25         | 1,085.16                  | 15.44         | -57.33        | 1,901,341.29              | 126,141.89               | 36.2189230 | -107.5174138 |
| 1,152.00                            | 8.73               | 268.83         | 1,147.37                  | 15.82         | -67.25        | 1,901,341.80              | 126,131.98               | 36.2189240 | -107.5174475 |
| 1,213.00                            | 8.42               | 273.27         | 1,207.69                  | 15.98         | -76.34        | 1,901,342.07              | 126,122.89               | 36.2189244 | -107.5174783 |
| 1,274.00                            | 8.00               | 275.85         | 1,268.06                  | 16.67         | -85.02        | 1,901,342.87              | 126,114.22               | 36.2189263 | -107.5175077 |
| 1,305.00                            | 7.90               | 278.89         | 1,298.77                  | 17.21         | -89.27        | 1,901,343.48              | 126,109.98               | 36.2189278 | -107.5175221 |
| 1,365.00                            | 8.23               | 284.15         | 1,358.17                  | 18.90         | -97.51        | 1,901,345.27              | 126,101.76               | 36.2189325 | -107.5175500 |
| 1,425.00                            | 8.96               | 286.77         | 1,417.50                  | 21.30         | -106.15       | 1,901,347.78              | 126,093.16               | 36.2189390 | -107.5175793 |
| 1,486.00                            | 9.00               | 286.29         | 1,477.75                  | 24.01         | -115.28       | 1,901,350.61              | 126,084.07               | 36.2189465 | -107.5176102 |
| 1,547.00                            | 9.35               | 285.26         | 1,537.97                  | 26.65         | -124.64       | 1,901,353.38              | 126,074.74               | 36.2189537 | -107.5176420 |
| 1,608.00                            | 9.15               | 285.37         | 1,598.18                  | 29.24         | -134.09       | 1,901,356.09              | 126,065.32               | 36.2189609 | -107.5176740 |
| 1,669.00                            | 9.62               | 284.29         | 1,658.36                  | 31.78         | -143.71       | 1,901,358.76              | 126,055.74               | 36.2189678 | -107.5177066 |
| 1,729.00                            | 9.96               | 282.28         | 1,717.49                  | 34.13         | -153.64       | 1,901,361.23              | 126,045.84               | 36.2189743 | -107.5177403 |
| 1,790.00                            | 9.01               | 278.80         | 1,777.65                  | 35.98         | -163.51       | 1,901,363.21              | 126,035.99               | 36.2189794 | -107.5177737 |
| 1,851.00                            | 8.02               | 280.18         | 1,837.98                  | 37.46         | -172.42       | 1,901,364.81              | 126,027.10               | 36.2189834 | -107.5178039 |
| 1,911.00                            | 7.14               | 285.00         | 1,897.46                  | 39.17         | -180.14       | 1,901,366.62              | 126,019.40               | 36.2189881 | -107.5178301 |
| 1,973.00                            | 7.66               | 289.34         | 1,958.94                  | 41.53         | -187.77       | 1,901,369.08              | 126,011.81               | 36.2189946 | -107.5178559 |
| 2,034.00                            | 7.90               | 294.29         | 2,019.38                  | 44.60         | -195.42       | 1,901,372.25              | 126,004.20               | 36.2190030 | -107.5178819 |
| 2,096.00                            | 8.18               | 289.65         | 2,080.77                  | 47.84         | -203.46       | 1,901,375.59              | 125,996.20               | 36.2190119 | -107.5179091 |
| 2,156.00                            | 9.20               | 285.16         | 2,140.08                  | 50.53         | -212.11       | 1,901,378.40              | 125,987.59               | 36.2190193 | -107.5179385 |
| 2,217.00                            | 8.28               | 281.02         | 2,200.37                  | 52.64         | -221.13       | 1,901,380.63              | 125,978.60               | 36.2190251 | -107.5179690 |
| 2,277.00                            | 8.05               | 284.72         | 2,259.76                  | 54.54         | -229.43       | 1,901,382.63              | 125,970.32               | 36.2190303 | -107.5179972 |
| 2,339.00                            | 8.10               | 280.27         | 2,321.15                  | 56.42         | -237.93       | 1,901,384.62              | 125,961.85               | 36.2190355 | -107.5180260 |
| 2,400.00                            | 8.89               | 278.59         | 2,381.48                  | 57.89         | -246.82       | 1,901,386.21              | 125,952.98               | 36.2190395 | -107.5180561 |
| 2,462.00                            | 9.35               | 278.38         | 2,442.70                  | 59.34         | -256.54       | 1,901,387.79              | 125,943.28               | 36.2190435 | -107.5180891 |
| 2,523.00                            | 10.12              | 278.21         | 2,502.82                  | 60.83         | -266.74       | 1,901,389.41              | 125,933.09               | 36.2190476 | -107.5181237 |
| 2,584.00                            | 9.29               | 278.04         | 2,562.94                  | 62.28         | -276.92       | 1,901,390.99              | 125,922.93               | 36.2190516 | -107.5181582 |
| 2,645.00                            | 8.77               | 277.51         | 2,623.19                  | 63.58         | -286.41       | 1,901,392.41              | 125,913.47               | 36.2190552 | -107.5181903 |
| 2,705.00                            | 8.30               | 280.67         | 2,682.52                  | 64.98         | -295.20       | 1,901,393.93              | 125,904.69               | 36.2190590 | -107.5182201 |
| 2,768.00                            | 7.80               | 288.10         | 2,744.90                  | 67.15         | -303.73       | 1,901,396.21              | 125,896.19               | 36.2190650 | -107.5182490 |
| 2,831.00                            | 8.01               | 284.15         | 2,807.31                  | 69.55         | -312.05       | 1,901,398.72              | 125,887.90               | 36.2190716 | -107.5182772 |
| 2,894.00                            | 8.77               | 282.65         | 2,869.63                  | 71.67         | -321.00       | 1,901,400.96              | 125,878.99               | 36.2190774 | -107.5183075 |
| 2,956.00                            | 8.79               | 283.73         | 2,930.91                  | 73.83         | -330.21       | 1,901,403.24              | 125,869.80               | 36.2190833 | -107.5183388 |
| 3,019.00                            | 8.85               | 281.70         | 2,993.16                  | 75.96         | -339.63       | 1,901,405.49              | 125,860.41               | 36.2190892 | -107.5183707 |
| 3,081.00                            | 9.18               | 281.52         | 3,054.39                  | 77.91         | -349.15       | 1,901,407.57              | 125,850.92               | 36.2190945 | -107.5184030 |
| 3,145.00                            | 8.93               | 281.10         | 3,117.60                  | 79.89         | -359.02       | 1,901,409.67              | 125,841.07               | 36.2191000 | -107.5184364 |
| 3,208.00                            | 9.59               | 282.59         | 3,179.78                  | 81.97         | -368.94       | 1,901,411.89              | 125,831.18               | 36.2191057 | -107.5184701 |
| 3,271.00                            | 9.39               | 282.97         | 3,241.91                  | 84.27         | -379.07       | 1,901,414.32              | 125,821.08               | 36.2191120 | -107.5185044 |
| 3,334.00                            | 8.02               | 282.76         | 3,304.19                  | 86.39         | -388.37       | 1,901,416.56              | 125,811.81               | 36.2191178 | -107.5185359 |
| 3,397.00                            | 7.16               | 280.88         | 3,366.63                  | 88.11         | -396.51       | 1,901,418.38              | 125,803.70               | 36.2191225 | -107.5185635 |
| 3,460.00                            | 7.20               | 281.15         | 3,429.14                  | 89.61         | -404.24       | 1,901,419.99              | 125,795.99               | 36.2191267 | -107.5185897 |
| 3,523.00                            | 7.44               | 286.13         | 3,491.63                  | 91.51         | -412.03       | 1,901,421.98              | 125,788.22               | 36.2191319 | -107.5186161 |
| 3,586.00                            | 7.85               | 289.58         | 3,554.07                  | 94.08         | -420.00       | 1,901,424.66              | 125,780.28               | 36.2191389 | -107.5186431 |
| 3,649.00                            | 8.91               | 281.61         | 3,616.40                  | 96.51         | -428.84       | 1,901,427.20              | 125,771.48               | 36.2191456 | -107.5186731 |
| 3,712.00                            | 9.64               | 276.51         | 3,678.57                  | 98.09         | -438.86       | 1,901,428.91              | 125,761.48               | 36.2191499 | -107.5187071 |



## Survey Report - Geographic



|           |                                |                              |                                            |
|-----------|--------------------------------|------------------------------|--------------------------------------------|
| Company:  | WPX Energy Rocky Mountain, LLC | Local Co-ordinate Reference: | Well Chaco 2306-18M #256H                  |
| Project:  | Rio Arriba County, NM NAD27    | TVD Reference:               | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Site:     | Chaco 2306-18M                 | MD Reference:                | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Well:     | Chaco 2306-18M #256H           | North Reference:             | True                                       |
| Wellbore: | OH                             | Survey Calculation Method:   | Minimum Curvature                          |
| Design:   | OH                             | Database:                    | Grand Junction District                    |

| Survey                      |                 |             |                     |          |          |                     |                    |            |              |
|-----------------------------|-----------------|-------------|---------------------|----------|----------|---------------------|--------------------|------------|--------------|
| Measured Depth (ft)         | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | N/S (ft) | E/W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude   | Longitude    |
| 3,774.00                    | 8.38            | 276.84      | 3,739.81            | 99.21    | -448.50  | 1,901,430.17        | 125,751.86         | 36.2191530 | -107.5187397 |
| 3,837.00                    | 7.82            | 281.08      | 3,802.18            | 100.58   | -457.26  | 1,901,431.65        | 125,743.11         | 36.2191568 | -107.5187694 |
| 3,901.00                    | 7.95            | 278.86      | 3,865.57            | 102.10   | -465.91  | 1,901,433.28        | 125,734.48         | 36.2191610 | -107.5187988 |
| 3,963.00                    | 8.27            | 283.16      | 3,926.95            | 103.78   | -474.49  | 1,901,435.07        | 125,725.93         | 36.2191656 | -107.5188278 |
| 4,026.00                    | 7.67            | 284.26      | 3,989.35            | 105.84   | -482.98  | 1,901,437.25        | 125,717.47         | 36.2191713 | -107.5188566 |
| 4,089.00                    | 7.43            | 285.51      | 4,051.80            | 107.97   | -490.98  | 1,901,439.48        | 125,709.50         | 36.2191771 | -107.5188837 |
| 4,153.00                    | 7.64            | 286.25      | 4,115.25            | 110.27   | -499.05  | 1,901,441.88        | 125,701.46         | 36.2191834 | -107.5189111 |
| 4,216.00                    | 7.75            | 288.89      | 4,177.68            | 112.81   | -507.09  | 1,901,444.53        | 125,693.45         | 36.2191904 | -107.5189383 |
| 4,279.00                    | 7.96            | 288.55      | 4,240.09            | 115.58   | -515.24  | 1,901,447.40        | 125,685.33         | 36.2191980 | -107.5189660 |
| 4,342.00                    | 7.45            | 283.01      | 4,302.52            | 117.88   | -523.36  | 1,901,449.81        | 125,677.25         | 36.2192043 | -107.5189935 |
| 4,404.00                    | 7.22            | 274.67      | 4,364.01            | 119.11   | -531.16  | 1,901,451.14        | 125,669.47         | 36.2192077 | -107.5190199 |
| 4,467.00                    | 6.38            | 269.02      | 4,426.57            | 119.37   | -538.60  | 1,901,451.50        | 125,662.03         | 36.2192084 | -107.5190452 |
| 4,530.00                    | 6.22            | 266.64      | 4,489.19            | 119.11   | -545.51  | 1,901,451.33        | 125,655.12         | 36.2192077 | -107.5190686 |
| 4,593.00                    | 5.02            | 271.63      | 4,551.89            | 118.99   | -551.67  | 1,901,451.29        | 125,648.95         | 36.2192073 | -107.5190895 |
| 4,657.00                    | 3.79            | 277.81      | 4,615.70            | 119.35   | -556.57  | 1,901,451.72        | 125,644.06         | 36.2192084 | -107.5191060 |
| 4,720.00                    | 2.85            | 283.21      | 4,678.59            | 120.00   | -560.15  | 1,901,452.41        | 125,640.48         | 36.2192101 | -107.5191182 |
| 4,783.00                    | 1.39            | 295.57      | 4,741.55            | 120.68   | -562.37  | 1,901,453.12        | 125,638.28         | 36.2192120 | -107.5191257 |
| 4,847.00                    | 1.25            | 184.77      | 4,805.54            | 120.32   | -563.13  | 1,901,452.77        | 125,637.52         | 36.2192110 | -107.5191283 |
| 4,910.00                    | 4.25            | 101.59      | 4,868.47            | 119.17   | -560.90  | 1,901,451.59        | 125,639.73         | 36.2192078 | -107.5191207 |
| Last SDI Surface MWD Survey |                 |             |                     |          |          |                     |                    |            |              |
| 4,943.00                    | 8.24            | 90.56       | 4,901.27            | 118.90   | -557.33  | 1,901,451.27        | 125,643.29         | 36.2192071 | -107.5191086 |
| First SDI Curve MWD Survey  |                 |             |                     |          |          |                     |                    |            |              |
| 4,974.00                    | 12.06           | 92.76       | 4,931.78            | 118.72   | -551.87  | 1,901,451.02        | 125,648.75         | 36.2192066 | -107.5190901 |
| 5,005.00                    | 15.38           | 94.03       | 4,961.89            | 118.28   | -544.54  | 1,901,450.48        | 125,656.08         | 36.2192054 | -107.5190653 |
| 5,037.00                    | 17.28           | 93.67       | 4,992.60            | 117.67   | -535.56  | 1,901,449.76        | 125,665.05         | 36.2192037 | -107.5190348 |
| 5,068.00                    | 19.52           | 95.09       | 5,022.01            | 116.92   | -525.80  | 1,901,448.88        | 125,674.79         | 36.2192017 | -107.5190018 |
| 5,100.00                    | 22.07           | 96.50       | 5,051.93            | 115.76   | -514.50  | 1,901,447.58        | 125,686.07         | 36.2191985 | -107.5189635 |
| 5,131.00                    | 25.53           | 98.31       | 5,080.29            | 114.14   | -502.10  | 1,901,445.79        | 125,698.45         | 36.2191940 | -107.5189214 |
| 5,163.00                    | 28.53           | 99.01       | 5,108.79            | 111.95   | -487.73  | 1,901,443.41        | 125,712.80         | 36.2191880 | -107.5188727 |
| 5,195.00                    | 31.13           | 100.96      | 5,136.55            | 109.18   | -472.06  | 1,901,440.43        | 125,728.43         | 36.2191804 | -107.5188196 |
| 5,226.00                    | 33.61           | 100.34      | 5,162.73            | 106.11   | -455.75  | 1,901,437.16        | 125,744.70         | 36.2191720 | -107.5187643 |
| 5,257.00                    | 35.44           | 101.15      | 5,188.27            | 102.83   | -438.49  | 1,901,433.65        | 125,761.91         | 36.2191630 | -107.5187058 |
| 5,289.00                    | 37.56           | 99.22       | 5,213.99            | 99.48    | -419.76  | 1,901,430.05        | 125,780.60         | 36.2191538 | -107.5186423 |
| 5,321.00                    | 39.35           | 97.74       | 5,239.05            | 96.55    | -400.07  | 1,901,426.87        | 125,800.24         | 36.2191457 | -107.5185756 |
| 5,352.00                    | 41.94           | 96.94       | 5,262.57            | 93.97    | -380.05  | 1,901,424.03        | 125,820.23         | 36.2191386 | -107.5185077 |
| 5,383.00                    | 45.37           | 97.70       | 5,284.99            | 91.24    | -358.83  | 1,901,421.02        | 125,841.42         | 36.2191311 | -107.5184358 |
| 5,416.00                    | 47.57           | 97.64       | 5,307.72            | 88.05    | -335.12  | 1,901,417.52        | 125,865.08         | 36.2191224 | -107.5183554 |
| 5,447.00                    | 50.47           | 97.90       | 5,328.05            | 84.88    | -311.93  | 1,901,414.05        | 125,888.23         | 36.2191137 | -107.5182768 |
| 5,479.00                    | 53.02           | 98.69       | 5,347.86            | 81.25    | -287.07  | 1,901,410.10        | 125,913.04         | 36.2191037 | -107.5181925 |
| 5,511.00                    | 56.62           | 98.95       | 5,366.29            | 77.24    | -261.23  | 1,901,405.75        | 125,938.83         | 36.2190927 | -107.5181050 |
| 5,543.00                    | 60.95           | 98.49       | 5,382.87            | 73.10    | -234.18  | 1,901,401.25        | 125,965.81         | 36.2190813 | -107.5180133 |
| 5,574.00                    | 62.45           | 98.18       | 5,397.57            | 69.14    | -207.18  | 1,901,396.94        | 125,992.77         | 36.2190704 | -107.5179217 |
| 5,605.00                    | 63.10           | 97.89       | 5,411.75            | 65.29    | -179.88  | 1,901,392.73        | 126,020.01         | 36.2190599 | -107.5178292 |
| 5,637.00                    | 64.49           | 97.37       | 5,425.88            | 61.48    | -151.43  | 1,901,388.55        | 126,048.41         | 36.2190494 | -107.5177328 |
| 5,668.00                    | 66.63           | 97.01       | 5,438.71            | 57.95    | -123.43  | 1,901,384.65        | 126,076.36         | 36.2190397 | -107.5176379 |
| 5,700.00                    | 68.85           | 96.32       | 5,450.83            | 54.51    | -94.01   | 1,901,380.83        | 126,105.73         | 36.2190303 | -107.5175382 |
| 5,731.00                    | 69.83           | 96.36       | 5,461.77            | 51.31    | -65.18   | 1,901,377.25        | 126,134.51         | 36.2190215 | -107.5174404 |
| 5,763.00                    | 71.43           | 97.04       | 5,472.38            | 47.78    | -35.20   | 1,901,373.34        | 126,164.44         | 36.2190118 | -107.5173388 |
| 5,795.00                    | 73.61           | 96.28       | 5,481.99            | 44.25    | -4.89    | 1,901,369.41        | 126,194.71         | 36.2190021 | -107.5172361 |
| 5,826.00                    | 76.49           | 96.17       | 5,489.99            | 41.00    | 24.88    | 1,901,365.77        | 126,224.44         | 36.2189931 | -107.5171351 |
| 5,858.00                    | 78.74           | 96.21       | 5,496.85            | 37.63    | 55.95    | 1,901,361.99        | 126,255.46         | 36.2189839 | -107.5170298 |
| 5,889.00                    | 81.02           | 96.11       | 5,502.30            | 34.35    | 86.29    | 1,901,358.32        | 126,285.75         | 36.2189749 | -107.5169270 |
| 5,920.00                    | 83.47           | 95.97       | 5,506.48            | 31.12    | 116.84   | 1,901,354.69        | 126,316.25         | 36.2189660 | -107.5168235 |
| Last SDI Curve MWD Survey   |                 |             |                     |          |          |                     |                    |            |              |



## Survey Report - Geographic



|           |                                |                              |                                            |
|-----------|--------------------------------|------------------------------|--------------------------------------------|
| Company:  | WPX Energy Rocky Mountain, LLC | Local Co-ordinate Reference: | Well Chaco 2306-18M #256H                  |
| Project:  | Rio Arriba County, NM, NAD27   | TVD Reference:               | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Site:     | Chaco 2306-18M                 | MD Reference:                | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Well:     | Chaco 2306-18M #256H           | North Reference:             | True                                       |
| Wellbore: | OH                             | Survey Calculation Method:   | Minimum Curvature                          |
| Design:   | OH                             | Database:                    | Grand Junction District                    |

| Survey                                |                 |             |                     |            |            |                     |                    |            |              |
|---------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|------------|--------------|
| Measured Depth (ft)                   | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude   | Longitude    |
| 5,952.00                              | 86.24           | 95.95       | 5,509.35            | 27.81      | 148.53     | 1,901,350.97        | 126,347.90         | 36.2189569 | -107.5167160 |
| First SDI Lateral MWD Survey          |                 |             |                     |            |            |                     |                    |            |              |
| 5,971.00                              | 86.87           | 96.31       | 5,510.49            | 25.79      | 167.39     | 1,901,348.70        | 126,366.73         | 36.2189514 | -107.5166521 |
| 6,020.00                              | 87.87           | 95.83       | 5,512.74            | 20.61      | 216.06     | 1,901,342.89        | 126,415.33         | 36.2189371 | -107.5164871 |
| 7" Casing @ 6020' MD - POE @ 6020' MD |                 |             |                     |            |            |                     |                    |            |              |
| 6,067.00                              | 88.83           | 95.37       | 5,514.09            | 16.03      | 262.82     | 1,901,337.69        | 126,462.02         | 36.2189246 | -107.5163286 |
| 6,128.00                              | 88.99           | 95.32       | 5,515.25            | 10.35      | 323.54     | 1,901,331.22        | 126,522.67         | 36.2189089 | -107.5161228 |
| 6,188.00                              | 90.20           | 95.77       | 5,515.68            | 4.55       | 383.26     | 1,901,324.64        | 126,582.30         | 36.2188930 | -107.5159204 |
| 6,249.00                              | 90.77           | 96.31       | 5,515.16            | -1.87      | 443.92     | 1,901,317.43        | 126,642.87         | 36.2188754 | -107.5157148 |
| 6,311.00                              | 90.54           | 97.09       | 5,514.45            | -9.10      | 505.49     | 1,901,309.39        | 126,704.35         | 36.2188555 | -107.5155061 |
| 6,372.00                              | 90.57           | 96.81       | 5,513.86            | -16.48     | 566.04     | 1,901,301.22        | 126,764.79         | 36.2188352 | -107.5153008 |
| 6,433.00                              | 90.37           | 96.98       | 5,513.36            | -23.81     | 626.59     | 1,901,293.11        | 126,825.25         | 36.2188151 | -107.5150956 |
| 6,495.00                              | 89.69           | 96.06       | 5,513.33            | -30.85     | 688.19     | 1,901,285.26        | 126,886.75         | 36.2187958 | -107.5148868 |
| 6,555.00                              | 89.87           | 95.88       | 5,513.56            | -37.09     | 747.87     | 1,901,278.24        | 126,946.34         | 36.2187786 | -107.5146845 |
| 6,616.00                              | 90.22           | 95.71       | 5,513.51            | -43.24     | 808.55     | 1,901,271.29        | 127,006.94         | 36.2187617 | -107.5144788 |
| 6,677.00                              | 90.84           | 96.40       | 5,512.94            | -49.68     | 869.21     | 1,901,264.06        | 127,067.51         | 36.2187440 | -107.5142732 |
| 6,740.00                              | 90.27           | 96.61       | 5,512.33            | -56.82     | 931.80     | 1,901,256.11        | 127,130.00         | 36.2187244 | -107.5140610 |
| 6,803.00                              | 90.54           | 96.77       | 5,511.89            | -64.15     | 994.37     | 1,901,247.95        | 127,192.47         | 36.2187043 | -107.5138489 |
| 6,865.00                              | 90.48           | 96.85       | 5,511.34            | -71.51     | 1,055.93   | 1,901,239.80        | 127,253.92         | 36.2186841 | -107.5136403 |
| 6,928.00                              | 90.13           | 94.12       | 5,511.00            | -77.53     | 1,118.64   | 1,901,232.96        | 127,316.54         | 36.2186675 | -107.5134277 |
| 6,991.00                              | 90.13           | 93.83       | 5,510.86            | -81.89     | 1,181.48   | 1,901,227.77        | 127,379.33         | 36.2186555 | -107.5132147 |
| 7,053.00                              | 91.75           | 95.01       | 5,509.84            | -86.67     | 1,243.29   | 1,901,222.19        | 127,441.07         | 36.2186424 | -107.5130052 |
| 7,116.00                              | 91.11           | 94.65       | 5,508.27            | -91.97     | 1,306.05   | 1,901,216.06        | 127,503.75         | 36.2186278 | -107.5127925 |
| 7,179.00                              | 90.64           | 95.28       | 5,507.31            | -97.43     | 1,368.80   | 1,901,209.79        | 127,566.43         | 36.2186128 | -107.5125798 |
| 7,242.00                              | 90.70           | 94.89       | 5,506.57            | -103.01    | 1,431.55   | 1,901,203.39        | 127,629.10         | 36.2185975 | -107.5123671 |
| 7,305.00                              | 90.22           | 94.56       | 5,506.07            | -108.20    | 1,494.33   | 1,901,197.38        | 127,691.81         | 36.2185832 | -107.5121543 |
| 7,368.00                              | 90.57           | 95.53       | 5,505.63            | -113.74    | 1,557.09   | 1,901,191.02        | 127,754.48         | 36.2185680 | -107.5119416 |
| 7,430.00                              | 90.30           | 98.04       | 5,505.16            | -121.06    | 1,618.64   | 1,901,182.89        | 127,815.94         | 36.2185479 | -107.5117329 |
| 7,493.00                              | 91.10           | 98.17       | 5,504.39            | -129.94    | 1,681.01   | 1,901,173.19        | 127,878.18         | 36.2185235 | -107.5115215 |
| 7,556.00                              | 90.54           | 98.35       | 5,503.49            | -138.99    | 1,743.35   | 1,901,163.33        | 127,940.40         | 36.2184986 | -107.5113102 |
| 7,619.00                              | 90.30           | 98.68       | 5,503.03            | -148.32    | 1,805.65   | 1,901,153.19        | 128,002.58         | 36.2184730 | -107.5110990 |
| 7,683.00                              | 90.00           | 98.83       | 5,502.86            | -158.06    | 1,868.91   | 1,901,142.62        | 128,065.70         | 36.2184462 | -107.5108846 |
| 7,746.00                              | 90.13           | 95.44       | 5,502.79            | -165.89    | 1,931.41   | 1,901,133.98        | 128,128.09         | 36.2184247 | -107.5106728 |
| 7,809.00                              | 90.31           | 95.71       | 5,502.55            | -172.01    | 1,994.11   | 1,901,127.04        | 128,190.71         | 36.2184079 | -107.5104602 |
| 7,872.00                              | 90.61           | 96.32       | 5,502.04            | -178.61    | 2,056.76   | 1,901,119.62        | 128,253.27         | 36.2183897 | -107.5102479 |
| 7,936.00                              | 91.54           | 97.55       | 5,500.84            | -186.34    | 2,120.28   | 1,901,111.07        | 128,316.68         | 36.2183685 | -107.5100326 |
| 8,000.00                              | 90.71           | 98.91       | 5,499.58            | -195.50    | 2,183.61   | 1,901,101.08        | 128,379.88         | 36.2183433 | -107.5098179 |
| 8,063.00                              | 90.34           | 99.52       | 5,499.01            | -205.58    | 2,245.79   | 1,901,090.18        | 128,441.93         | 36.2183156 | -107.5096071 |
| 8,126.00                              | 90.22           | 99.48       | 5,498.70            | -215.98    | 2,307.93   | 1,901,078.97        | 128,503.92         | 36.2182870 | -107.5093965 |
| 8,189.00                              | 90.48           | 99.92       | 5,498.31            | -226.60    | 2,370.03   | 1,901,067.55        | 128,565.88         | 36.2182578 | -107.5091860 |
| 8,251.00                              | 90.10           | 100.54      | 5,498.00            | -237.61    | 2,431.04   | 1,901,055.74        | 128,626.74         | 36.2182276 | -107.5089792 |
| 8,314.00                              | 90.20           | 100.49      | 5,497.83            | -249.10    | 2,492.98   | 1,901,043.43        | 128,688.53         | 36.2181960 | -107.5087693 |
| 8,377.00                              | 90.17           | 100.57      | 5,497.63            | -260.62    | 2,554.92   | 1,901,031.11        | 128,750.31         | 36.2181644 | -107.5085593 |
| 8,441.00                              | 90.22           | 100.01      | 5,497.41            | -272.05    | 2,617.89   | 1,901,018.86        | 128,813.12         | 36.2181329 | -107.5083459 |
| 8,504.00                              | 90.04           | 99.48       | 5,497.27            | -282.71    | 2,679.98   | 1,901,007.38        | 128,875.07         | 36.2181036 | -107.5081354 |
| 8,567.00                              | 90.44           | 99.08       | 5,497.01            | -292.87    | 2,742.15   | 1,900,996.41        | 128,937.11         | 36.2180757 | -107.5079247 |
| 8,629.00                              | 90.50           | 98.82       | 5,496.50            | -302.52    | 2,803.40   | 1,900,985.97        | 128,998.22         | 36.2180492 | -107.5077171 |
| 8,692.00                              | 90.54           | 99.03       | 5,495.93            | -312.29    | 2,865.63   | 1,900,975.38        | 129,060.32         | 36.2180223 | -107.5075062 |
| 8,754.00                              | 90.57           | 98.83       | 5,495.33            | -321.91    | 2,926.88   | 1,900,964.96        | 129,121.43         | 36.2179959 | -107.5072986 |
| 8,817.00                              | 90.67           | 97.99       | 5,494.64            | -331.13    | 2,989.20   | 1,900,954.93        | 129,183.63         | 36.2179706 | -107.5070873 |
| 8,879.00                              | 90.40           | 98.08       | 5,494.06            | -339.79    | 3,050.58   | 1,900,945.46        | 129,244.90         | 36.2179467 | -107.5068793 |
| 8,942.00                              | 89.69           | 96.85       | 5,494.02            | -347.98    | 3,113.05   | 1,900,936.46        | 129,307.25         | 36.2179242 | -107.5066675 |
| 9,005.00                              | 90.20           | 97.48       | 5,494.08            | -355.84    | 3,175.56   | 1,900,927.79        | 129,369.65         | 36.2179026 | -107.5064557 |
| 9,068.00                              | 90.37           | 97.95       | 5,493.76            | -364.29    | 3,237.99   | 1,900,918.52        | 129,431.96         | 36.2178794 | -107.5062441 |
| 9,130.00                              | 90.07           | 97.70       | 5,493.52            | -372.73    | 3,299.41   | 1,900,909.27        | 129,493.27         | 36.2178562 | -107.5060359 |



## Survey Report - Geographic



|           |                                |                              |                                            |
|-----------|--------------------------------|------------------------------|--------------------------------------------|
| Company:  | WPX Energy Rocky Mountain, LLC | Local Co-ordinate Reference: | Well Chaco 2306-18M #256H                  |
| Project:  | Rio Arriba County, NM NAD27    | TVD Reference:               | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Site:     | Chaco 2306-18M                 | MD Reference:                | GL 6938' & RKB 14' @ 6952.00ft (Aztec 730) |
| Well:     | Chaco 2306-18M #256H           | North Reference:             | True                                       |
| Wellbore: | OH                             | Survey Calculation Method:   | Minimum Curvature                          |
| Design:   | OH                             | Database:                    | Grand Junction District                    |

## Survey

| Measured Depth (ft)         | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude   | Longitude    |
|-----------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|------------|--------------|
| 9,193.00                    | 89.70           | 97.07       | 5,493.65            | -380.83    | 3,361.88   | 1,900,900.36        | 129,555.63         | 36.2178339 | -107.5058241 |
| 9,256.00                    | 89.76           | 96.07       | 5,493.95            | -388.04    | 3,424.47   | 1,900,892.33        | 129,618.12         | 36.2178141 | -107.5056120 |
| 9,319.00                    | 89.43           | 96.50       | 5,494.39            | -394.94    | 3,487.09   | 1,900,884.62        | 129,680.64         | 36.2177951 | -107.5053997 |
| 9,381.00                    | 90.03           | 96.10       | 5,494.68            | -401.74    | 3,548.71   | 1,900,877.01        | 129,742.17         | 36.2177764 | -107.5051908 |
| 9,444.00                    | 90.44           | 95.72       | 5,494.43            | -408.23    | 3,611.38   | 1,900,869.71        | 129,804.75         | 36.2177586 | -107.5049784 |
| 9,508.00                    | 90.74           | 96.39       | 5,493.77            | -414.98    | 3,675.02   | 1,900,862.12        | 129,868.29         | 36.2177400 | -107.5047627 |
| 9,570.00                    | 89.36           | 95.55       | 5,493.71            | -421.43    | 3,736.68   | 1,900,854.87        | 129,929.86         | 36.2177223 | -107.5045537 |
| 9,633.00                    | 89.76           | 95.66       | 5,494.20            | -427.58    | 3,799.37   | 1,900,847.90        | 129,992.47         | 36.2177054 | -107.5043412 |
| 9,696.00                    | 89.50           | 96.74       | 5,494.60            | -434.38    | 3,862.00   | 1,900,840.28        | 130,055.01         | 36.2176867 | -107.5041289 |
| 9,758.00                    | 90.23           | 97.75       | 5,494.75            | -442.20    | 3,923.51   | 1,900,831.65        | 130,116.40         | 36.2176652 | -107.5039204 |
| 9,821.00                    | 90.84           | 97.85       | 5,494.16            | -450.75    | 3,985.92   | 1,900,822.29        | 130,178.70         | 36.2176416 | -107.5037089 |
| 9,884.00                    | 90.84           | 97.90       | 5,493.24            | -459.38    | 4,048.32   | 1,900,812.84        | 130,240.98         | 36.2176179 | -107.5034974 |
| 9,946.00                    | 90.54           | 97.36       | 5,492.49            | -467.61    | 4,109.77   | 1,900,803.81        | 130,302.32         | 36.2175953 | -107.5032891 |
| 10,009.00                   | 90.24           | 98.47       | 5,492.06            | -476.29    | 4,172.16   | 1,900,794.32        | 130,364.59         | 36.2175714 | -107.5030776 |
| 10,071.00                   | 90.17           | 98.35       | 5,491.84            | -485.36    | 4,233.50   | 1,900,784.45        | 130,425.80         | 36.2175465 | -107.5028697 |
| 10,133.00                   | 89.77           | 98.50       | 5,491.87            | -494.44    | 4,294.83   | 1,900,774.57        | 130,487.01         | 36.2175215 | -107.5026619 |
| 10,196.00                   | 89.70           | 100.49      | 5,492.16            | -504.83    | 4,356.96   | 1,900,763.36        | 130,549.00         | 36.2174929 | -107.5024513 |
| 10,257.00                   | 90.74           | 101.44      | 5,491.93            | -516.43    | 4,416.85   | 1,900,750.98        | 130,608.73         | 36.2174611 | -107.5022483 |
| 10,320.00                   | 90.77           | 101.52      | 5,491.10            | -528.97    | 4,478.58   | 1,900,737.64        | 130,670.29         | 36.2174266 | -107.5020390 |
| 10,383.00                   | 90.81           | 101.65      | 5,490.23            | -541.62    | 4,540.29   | 1,900,724.18        | 130,731.83         | 36.2173918 | -107.5018299 |
| 10,445.00                   | 90.10           | 100.99      | 5,489.74            | -553.79    | 4,601.08   | 1,900,711.22        | 130,792.46         | 36.2173584 | -107.5016238 |
| 10,508.00                   | 90.51           | 99.80       | 5,489.40            | -565.16    | 4,663.05   | 1,900,699.04        | 130,854.27         | 36.2173271 | -107.5014138 |
| 10,571.00                   | 90.80           | 99.69       | 5,488.68            | -575.82    | 4,725.13   | 1,900,687.57        | 130,916.21         | 36.2172978 | -107.5012033 |
| 10,633.00                   | 90.22           | 98.52       | 5,488.13            | -585.63    | 4,786.35   | 1,900,676.96        | 130,977.29         | 36.2172708 | -107.5009959 |
| 10,634.00                   | 90.22           | 98.49       | 5,488.13            | -585.78    | 4,787.34   | 1,900,676.80        | 130,978.28         | 36.2172704 | -107.5009925 |
| Base Perf @ 10,634' MD      |                 |             |                     |            |            |                     |                    |            |              |
| 10,672.00                   | 90.13           | 97.36       | 5,488.01            | -591.02    | 4,824.97   | 1,900,671.07        | 131,015.85         | 36.2172560 | -107.5008649 |
| Last SDI Lateral MWD Survey |                 |             |                     |            |            |                     |                    |            |              |
| 10,740.00                   | 90.13           | 97.36       | 5,487.86            | -599.73    | 4,892.41   | 1,900,661.48        | 131,083.17         | 36.2172320 | -107.5006364 |
| Projection to TD            |                 |             |                     |            |            |                     |                    |            |              |

## Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment                      |
|---------------------|---------------------|------------|------------|------------------------------|
| 64.00               | 64.00               | -0.07      | -0.02      | FIRST MS GYRO SURFACE SURVEY |
| 346.00              | 345.99              | -1.99      | -0.91      | LAST MS GYRO SURFACE SURVEY  |
| 459.00              | 458.98              | -2.80      | -1.73      | First SDI Surface MWD Survey |
| 4,910.00            | 4,868.47            | 119.17     | -560.90    | Last SDI Surface MWD Survey  |
| 4,943.00            | 4,901.27            | 118.90     | -557.33    | First SDI Curve MWD Survey   |
| 5,920.00            | 5,506.48            | 31.12      | 116.84     | Last SDI Curve MWD Survey    |
| 5,952.00            | 5,509.35            | 27.81      | 148.53     | First SDI Lateral MWD Survey |
| 6,020.00            | 5,512.74            | 20.61      | 216.06     | 7" Casing @ 6020' MD         |
| 6,020.00            | 5,512.74            | 20.61      | 216.06     | POE @ 6020' MD               |
| 10,634.00           | 5,488.13            | -585.78    | 4,787.34   | Base Perf @ 10,634' MD       |
| 10,672.00           | 5,488.01            | -591.02    | 4,824.97   | Last SDI Lateral MWD Survey  |
| 10,740.00           | 5,487.86            | -599.73    | 4,892.41   | Projection to TD             |

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_