

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 of **OIL CONS. DIV DIST. 3**

WELL LOCATION AND ACREAGE DEDICATION PLAT

**AUG 10 2017**

|                                    |                                                     |                            |                                         |
|------------------------------------|-----------------------------------------------------|----------------------------|-----------------------------------------|
| *API Number<br><b>30-043-21285</b> |                                                     | *Pool Code<br><b>98172</b> | *Pool Name<br><b>ESCAVADA N; MANCOS</b> |
| *Property Code<br><b>316006</b>    | *Property Name<br><b>N ESCAVADA UNIT</b>            |                            | *Well Number<br><b>314H</b>             |
| *GRID No.<br><b>120782</b>         | *Operator Name<br><b>WPX ENERGY PRODUCTION, LLC</b> |                            | *Elevation<br><b>6944'</b>              |

<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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| I             | 10      | 22N      | 7W    |         | 1900          | SOUTH            | 1275          | EAST           | SANDOVAL |

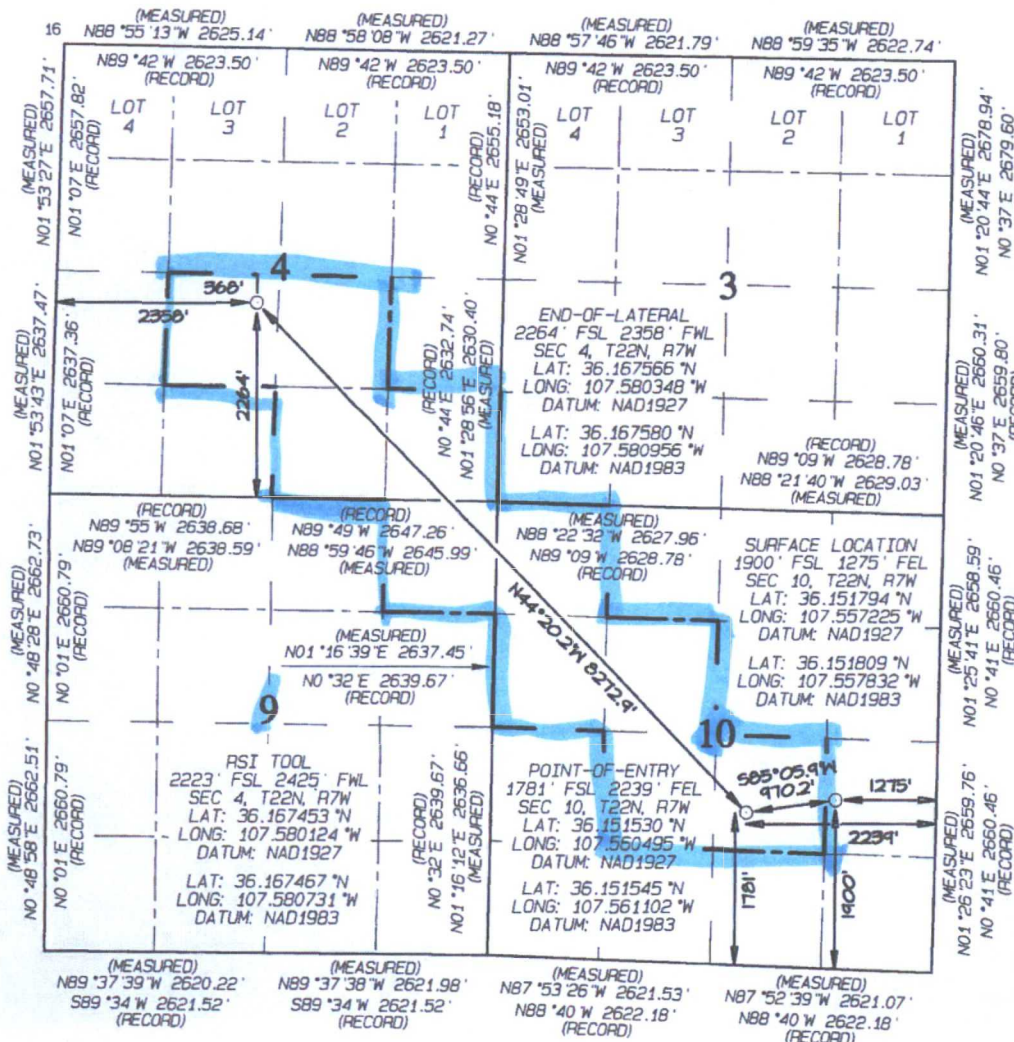
<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| K             | 4       | 22N      | 7W    |         | 2264          | SOUTH            | 2358          | WEST           | SANDOVAL |

|                                                |                                                                                                                                   |                               |                                  |                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>400.00</b> | NE/4 SW/4, W/2 SE/4<br>SE/4 SE/4 - Section 4<br>NE/4 NE/4 - Section 9<br>W/2 NW/4, SE/4 NW/4, NE/4 SW/4<br>NW/4 SE/4 - Section 10 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>R-14080</b> |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------------|

**CONFIDENTIAL**

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



<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 hereinafter entered by the division.

Signature *Lacey Granillo* Date *8/10/17*  
Printed Name **Lacey granillo**  
E-mail Address **lacey.granillo@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: JULY 20, 2017  
Survey Date: OCTOBER 30, 2015

Signature and Seal of Professional Surveyor



**JASON C. EDWARDS**  
Certificate Number 15269

9



# EOW Summary

**WPX Energy**  
**N Escavada UT**  
**#314H**





N Escavada UT #314H  
Sandoval County, NM 3003 West  
Northing: 1874609.73  
Easting: 581514.60  
Actual

BL 6944 + KB 21= @ 6965.00usft (Cyclone 32)  
GL @ 6944.00



WELL DETAILS N Escavada UT #314H

|       |       |                       |           |           |             |
|-------|-------|-----------------------|-----------|-----------|-------------|
|       |       | Ground Level: 6944.00 |           |           |             |
| +N/-S | +E/-W | Northing              | Easting   | Latitude  | Longitude   |
| 0.00  | 0.00  | 1874609.73            | 581514.60 | 36.151794 | -107.557225 |

|         |          |
|---------|----------|
| TVD     | MD       |
| 437.99  | 438.00   |
| 4259.57 | 4323.00  |
| 4290.20 | 4354.00  |
| 5034.09 | 5567.00  |
| 5034.04 | 5616.00  |
| 5033.94 | 5653.00  |
| 5094.03 | 13822.00 |
| 5093.80 | 13837.00 |
| 5092.88 | 13900.00 |

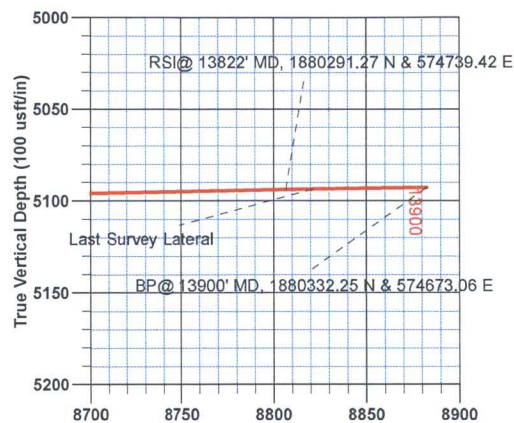
ANNOTATIONS

Annotation  
First Survey Int.  
Last Survey Int.  
First Survey Curve  
Last Survey Curve  
7" Casing@ 5616' MD, 1874511.06 N & 580549.53 E  
First Survey Lateral  
RSI@ 13822' MD, 1880291.27 N & 574739.42 E  
Last Survey Lateral  
BP@ 13900' MD, 1880332.25 N & 574673.06 E

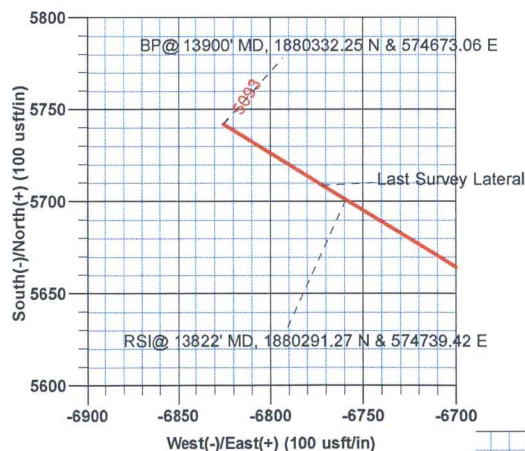


Azimuths to True North  
Magnetic North: 8.1° J5°  
Magnetic Field  
Strength: 4955 $\mu$ T  
Dip Angle: 82.87°  
Date: 5/26/2017  
Model: HDGM

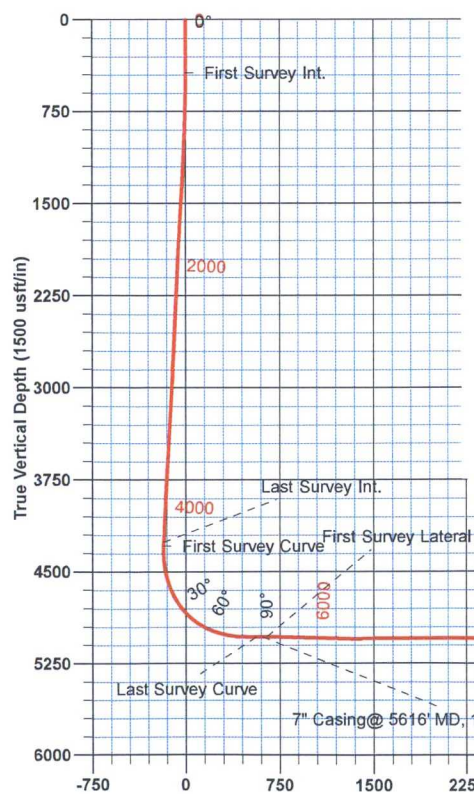
CONFIDENTIAL



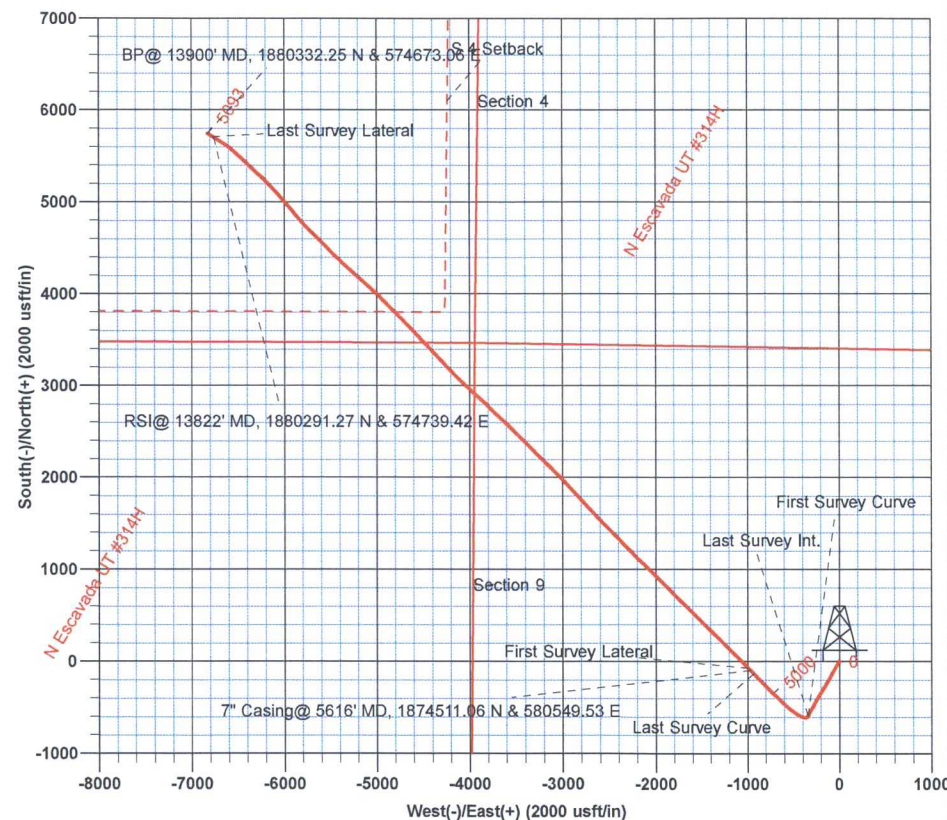
Vertical Section at 315.28° (100 usft/in)



West(-)/East(+) (100 usft/in)



Vertical Section at 315.28° (1500 usft/in)



Bailey Fellows  
8:48, July 20 2017

Scientific Drilling  
325 S. Faudree Rd.  
Odessa, TX 79765

# **WPX Energy**

Sandoval County, NM 3003 West  
N Escavada UT 329 Pad  
N Escavada UT #314H  
API: 30-043-21285  
Wellbore #1

Design: Actual

## **Survey Report - Geographic**

20 July, 2017

CONFIDENTIAL



[www.scientificdrilling.com](http://www.scientificdrilling.com)



**Scientific Drilling Int.**  
Survey Report - Geographic

|                  |                               |                                     |                                             |
|------------------|-------------------------------|-------------------------------------|---------------------------------------------|
| <b>Company:</b>  | WPX Energy                    | <b>Local Co-ordinate Reference:</b> | Well N Escavada UT #314H                    |
| <b>Project:</b>  | Sandoval County, NM 3003 West | <b>TVD Reference:</b>               | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Site:</b>     | N Escavada UT 329 Pad         | <b>MD Reference:</b>                | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Well:</b>     | N Escavada UT #314H           | <b>North Reference:</b>             | True                                        |
| <b>Wellbore:</b> | Wellbore #1                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                           |
| <b>Design:</b>   | Actual                        | <b>Database:</b>                    | Grand Junction District                     |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Sandoval County, NM 3003 West        |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico West 3003                 |                      |                |

|                              |                       |                     |                   |                                 |
|------------------------------|-----------------------|---------------------|-------------------|---------------------------------|
| <b>Site</b>                  | N Escavada UT 329 Pad |                     |                   |                                 |
| <b>Site Position:</b>        |                       | <b>Northing:</b>    | 1,874,646.54 usft | <b>Latitude:</b> 36.151895      |
| <b>From:</b>                 | Lat/Long              | <b>Easting:</b>     | 581,530.15 usft   | <b>Longitude:</b> -107.557172   |
| <b>Position Uncertainty:</b> | 0.00 usft             | <b>Slot Radius:</b> | 13-3/16 "         | <b>Grid Convergence:</b> 0.16 ° |

|                             |                     |           |                            |                   |
|-----------------------------|---------------------|-----------|----------------------------|-------------------|
| <b>Well</b>                 | N Escavada UT #314H |           |                            |                   |
| <b>Well Position</b>        | <b>+N/-S</b>        | 0.00 usft | <b>Northing:</b>           | 1,874,609.73 usft |
|                             | <b>+E/-W</b>        | 0.00 usft | <b>Easting:</b>            | 581,514.61 usft   |
| <b>Position Uncertainty</b> | 0.00 usft           |           | <b>Wellhead Elevation:</b> | 0.00 usft         |
|                             |                     |           | <b>Ground Level:</b>       | 6,944.00 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> |
|                  | HDGM              | 5/26/2017          | 8.95                   | 62.87                | 49,555                     |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | Actual                         |                     |                     |                      |      |
| <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                | 315.28               |      |

|                       |                  |                                    |                  |                                  |  |
|-----------------------|------------------|------------------------------------|------------------|----------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 7/20/2017                          |                  |                                  |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>           | <b>Tool Name</b> | <b>Description</b>               |  |
| 21.00                 | 321.00           | Gyros (Wellbore #1)                | NS-GYRO-MS       | North sensing gyrocompassing m/s |  |
| 438.00                | 4,323.00         | SDI MWD Intermediate (Wellbore #1) | MWD+HDGM         | OWSG MWD + HDGM                  |  |
| 4,354.00              | 5,567.00         | SDI MWD Curve (Wellbore #1)        | MWD+HDGM         | OWSG MWD + HDGM                  |  |
| 5,653.00              | 13,900.00        | SDI MWD Lateral (Wellbore #1)      | MWD+HDGM         | OWSG MWD + HDGM                  |  |

|                              |                        |                    |                              |                     |                     |                            |                           |                 |                  |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|----------------------------|---------------------------|-----------------|------------------|--|
| <b>Survey</b>                |                        |                    |                              |                     |                     |                            |                           |                 |                  |  |
| <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>Map Northing (usft)</b> | <b>Map Easting (usft)</b> | <b>Latitude</b> | <b>Longitude</b> |  |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 1,874,609.73               | 581,514.61                | 36.151794       | -107.557225      |  |
| 21.00                        | 0.00                   | 0.00               | 21.00                        | 0.00                | 0.00                | 1,874,609.73               | 581,514.61                | 36.151794       | -107.557225      |  |
| 51.00                        | 0.17                   | 54.97              | 51.00                        | 0.03                | 0.04                | 1,874,609.76               | 581,514.64                | 36.151794       | -107.557225      |  |
| 81.00                        | 0.18                   | 348.20             | 81.00                        | 0.10                | 0.06                | 1,874,609.83               | 581,514.67                | 36.151794       | -107.557225      |  |
| 111.00                       | 0.20                   | 299.40             | 111.00                       | 0.17                | 0.01                | 1,874,609.90               | 581,514.61                | 36.151795       | -107.557225      |  |
| 141.00                       | 0.21                   | 352.75             | 141.00                       | 0.25                | -0.04               | 1,874,609.98               | 581,514.56                | 36.151795       | -107.557225      |  |
| 171.00                       | 0.46                   | 5.19               | 171.00                       | 0.42                | -0.04               | 1,874,610.15               | 581,514.57                | 36.151795       | -107.557225      |  |
| 201.00                       | 0.51                   | 7.60               | 201.00                       | 0.68                | -0.01               | 1,874,610.41               | 581,514.59                | 36.151796       | -107.557225      |  |
| 231.00                       | 0.54                   | 8.10               | 231.00                       | 0.95                | 0.03                | 1,874,610.68               | 581,514.63                | 36.151797       | -107.557225      |  |

**Scientific Drilling Int.**  
Survey Report - Geographic

|                  |                               |                                     |                                             |
|------------------|-------------------------------|-------------------------------------|---------------------------------------------|
| <b>Company:</b>  | WPX Energy                    | <b>Local Co-ordinate Reference:</b> | Well N Escavada UT #314H                    |
| <b>Project:</b>  | Sandoval County, NM 3003 West | <b>TVD Reference:</b>               | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Site:</b>     | N Escavada UT 329 Pad         | <b>MD Reference:</b>                | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Well:</b>     | N Escavada UT #314H           | <b>North Reference:</b>             | True                                        |
| <b>Wellbore:</b> | Wellbore #1                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                           |
| <b>Design:</b>   | Actual                        | <b>Database:</b>                    | Grand Junction District                     |

| Survey                |                 |             |                       |              |              |                     |                    |           |             |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 261.00                | 0.36            | 4.06        | 261.00                | 1.18         | 0.05         | 1,874,610.91        | 581,514.66         | 36.151797 | -107.557225 |
| 291.00                | 0.42            | 348.14      | 291.00                | 1.38         | 0.04         | 1,874,611.11        | 581,514.64         | 36.151798 | -107.557225 |
| 321.00                | 0.44            | 7.85        | 320.99                | 1.61         | 0.03         | 1,874,611.34        | 581,514.63         | 36.151799 | -107.557225 |
| 438.00                | 0.84            | 297.83      | 437.99                | 2.45         | -0.67        | 1,874,612.18        | 581,513.93         | 36.151801 | -107.557228 |
| First Survey Int.     |                 |             |                       |              |              |                     |                    |           |             |
| 531.00                | 1.65            | 232.53      | 530.97                | 1.95         | -2.33        | 1,874,611.68        | 581,512.27         | 36.151799 | -107.557233 |
| 623.00                | 3.10            | 215.97      | 622.89                | -0.86        | -4.85        | 1,874,608.85        | 581,509.76         | 36.151792 | -107.557242 |
| 716.00                | 5.68            | 204.30      | 715.61                | -7.10        | -8.22        | 1,874,602.61        | 581,506.41         | 36.151775 | -107.557253 |
| 808.00                | 7.03            | 205.15      | 807.04                | -16.34       | -12.48       | 1,874,593.35        | 581,502.17         | 36.151749 | -107.557268 |
| 900.00                | 8.96            | 210.60      | 898.15                | -27.61       | -18.52       | 1,874,582.07        | 581,496.16         | 36.151718 | -107.557288 |
| 992.00                | 9.24            | 211.51      | 988.99                | -40.07       | -26.03       | 1,874,569.59        | 581,488.69         | 36.151684 | -107.557313 |
| 1,085.00              | 11.12           | 213.09      | 1,080.52              | -53.95       | -34.83       | 1,874,555.68        | 581,479.93         | 36.151646 | -107.557343 |
| 1,177.00              | 11.05           | 211.48      | 1,170.80              | -68.90       | -44.28       | 1,874,540.70        | 581,470.52         | 36.151605 | -107.557375 |
| 1,269.00              | 10.32           | 211.78      | 1,261.21              | -83.43       | -53.22       | 1,874,526.15        | 581,461.62         | 36.151565 | -107.557406 |
| 1,362.00              | 10.71           | 207.61      | 1,352.65              | -98.16       | -61.61       | 1,874,511.39        | 581,453.27         | 36.151524 | -107.557434 |
| 1,454.00              | 10.18           | 205.84      | 1,443.12              | -113.06      | -69.12       | 1,874,496.48        | 581,445.81         | 36.151484 | -107.557459 |
| 1,546.00              | 12.49           | 212.57      | 1,533.33              | -128.76      | -78.02       | 1,874,480.75        | 581,436.95         | 36.151440 | -107.557490 |
| 1,640.00              | 12.16           | 208.37      | 1,625.16              | -146.04      | -88.20       | 1,874,463.44        | 581,426.83         | 36.151393 | -107.557524 |
| 1,734.00              | 11.48           | 201.91      | 1,717.17              | -163.43      | -96.39       | 1,874,446.03        | 581,418.68         | 36.151345 | -107.557552 |
| 1,829.00              | 9.69            | 208.49      | 1,810.55              | -179.23      | -103.73      | 1,874,430.21        | 581,411.38         | 36.151302 | -107.557577 |
| 1,922.00              | 10.92           | 211.16      | 1,902.05              | -193.65      | -112.03      | 1,874,415.77        | 581,403.13         | 36.151262 | -107.557605 |
| 2,016.00              | 10.77           | 210.59      | 1,994.37              | -208.83      | -121.10      | 1,874,400.56        | 581,394.10         | 36.151220 | -107.557635 |
| 2,110.00              | 9.98            | 210.76      | 2,086.84              | -223.39      | -129.74      | 1,874,385.98        | 581,385.50         | 36.151180 | -107.557665 |
| 2,204.00              | 11.18           | 213.39      | 2,179.24              | -238.00      | -138.92      | 1,874,371.34        | 581,376.36         | 36.151140 | -107.557696 |
| 2,298.00              | 11.43           | 212.00      | 2,271.41              | -253.50      | -148.87      | 1,874,355.81        | 581,366.46         | 36.151098 | -107.557730 |
| 2,392.00              | 11.02           | 210.33      | 2,363.62              | -269.16      | -158.34      | 1,874,340.13        | 581,357.03         | 36.151055 | -107.557762 |
| 2,486.00              | 11.01           | 211.89      | 2,455.88              | -284.53      | -167.62      | 1,874,324.72        | 581,347.79         | 36.151012 | -107.557793 |
| 2,579.00              | 10.96           | 212.79      | 2,547.18              | -299.50      | -177.10      | 1,874,309.72        | 581,338.36         | 36.150971 | -107.557825 |
| 2,673.00              | 11.78           | 211.57      | 2,639.33              | -315.19      | -186.96      | 1,874,294.01        | 581,328.54         | 36.150928 | -107.557859 |
| 2,767.00              | 11.60           | 213.18      | 2,731.38              | -331.28      | -197.16      | 1,874,277.89        | 581,318.39         | 36.150884 | -107.557893 |
| 2,861.00              | 11.38           | 212.36      | 2,823.50              | -347.02      | -207.30      | 1,874,262.12        | 581,308.30         | 36.150841 | -107.557927 |
| 2,955.00              | 10.56           | 213.40      | 2,915.78              | -362.04      | -217.00      | 1,874,247.07        | 581,298.64         | 36.150799 | -107.557960 |
| 3,049.00              | 10.92           | 209.46      | 3,008.14              | -376.99      | -226.12      | 1,874,232.10        | 581,289.56         | 36.150758 | -107.557991 |
| 3,143.00              | 11.28           | 208.01      | 3,100.38              | -392.86      | -234.82      | 1,874,216.21        | 581,280.91         | 36.150715 | -107.558021 |
| 3,237.00              | 11.19           | 208.70      | 3,192.58              | -408.97      | -243.52      | 1,874,200.07        | 581,272.25         | 36.150671 | -107.558050 |
| 3,331.00              | 10.90           | 207.14      | 3,284.84              | -424.88      | -251.95      | 1,874,184.13        | 581,263.87         | 36.150627 | -107.558079 |
| 3,425.00              | 11.90           | 211.81      | 3,376.98              | -441.03      | -261.11      | 1,874,167.96        | 581,254.75         | 36.150583 | -107.558110 |
| 3,519.00              | 11.11           | 208.04      | 3,469.09              | -457.26      | -270.48      | 1,874,151.70        | 581,245.43         | 36.150538 | -107.558141 |
| 3,613.00              | 10.49           | 208.25      | 3,561.43              | -472.79      | -278.79      | 1,874,136.15        | 581,237.17         | 36.150495 | -107.558170 |
| 3,707.00              | 11.63           | 209.54      | 3,653.68              | -488.57      | -287.51      | 1,874,120.34        | 581,228.49         | 36.150452 | -107.558199 |
| 3,801.00              | 10.38           | 210.26      | 3,745.95              | -504.13      | -296.45      | 1,874,104.76        | 581,219.59         | 36.150409 | -107.558229 |
| 3,895.00              | 11.01           | 208.91      | 3,838.32              | -519.30      | -305.05      | 1,874,089.56        | 581,211.03         | 36.150367 | -107.558259 |
| 3,989.00              | 10.89           | 209.92      | 3,930.61              | -534.86      | -313.82      | 1,874,073.98        | 581,202.31         | 36.150325 | -107.558288 |
| 4,083.00              | 9.55            | 206.98      | 4,023.11              | -549.50      | -321.79      | 1,874,059.32        | 581,194.38         | 36.150285 | -107.558315 |
| 4,177.00              | 10.30           | 211.09      | 4,115.71              | -563.65      | -329.67      | 1,874,045.15        | 581,186.54         | 36.150246 | -107.558342 |
| 4,271.00              | 9.85            | 207.57      | 4,208.26              | -577.97      | -337.73      | 1,874,030.80        | 581,178.52         | 36.150206 | -107.558369 |
| 4,323.00              | 8.77            | 206.57      | 4,259.57              | -585.46      | -341.56      | 1,874,023.30        | 581,174.71         | 36.150186 | -107.558382 |
| Last Survey Int.      |                 |             |                       |              |              |                     |                    |           |             |
| 4,354.00              | 9.07            | 206.77      | 4,290.20              | -589.76      | -343.72      | 1,874,019.00        | 581,172.57         | 36.150174 | -107.558389 |
| First Survey Curve    |                 |             |                       |              |              |                     |                    |           |             |
| 4,386.00              | 10.20           | 214.80      | 4,321.75              | -594.33      | -346.47      | 1,874,014.41        | 581,169.83         | 36.150161 | -107.558399 |
| 4,417.00              | 11.17           | 226.53      | 4,352.21              | -598.65      | -350.22      | 1,874,010.08        | 581,166.09         | 36.150149 | -107.558412 |
| 4,448.00              | 11.90           | 237.38      | 4,382.59              | -602.44      | -355.09      | 1,874,006.28        | 581,161.23         | 36.150139 | -107.558428 |
| 4,480.00              | 12.63           | 250.55      | 4,413.87              | -605.39      | -361.17      | 1,874,003.32        | 581,155.16         | 36.150131 | -107.558449 |
| 4,511.00              | 13.53           | 262.22      | 4,444.07              | -607.01      | -367.96      | 1,874,001.68        | 581,148.38         | 36.150127 | -107.558472 |

**Scientific Drilling Int.**  
Survey Report - Geographic

|                  |                               |                                     |                                             |
|------------------|-------------------------------|-------------------------------------|---------------------------------------------|
| <b>Company:</b>  | WPX Energy                    | <b>Local Co-ordinate Reference:</b> | Well N Escavada UT #314H                    |
| <b>Project:</b>  | Sandoval County, NM 3003 West | <b>TVD Reference:</b>               | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Site:</b>     | N Escavada UT 329 Pad         | <b>MD Reference:</b>                | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Well:</b>     | N Escavada UT #314H           | <b>North Reference:</b>             | True                                        |
| <b>Wellbore:</b> | Wellbore #1                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                           |
| <b>Design:</b>   | Actual                        | <b>Database:</b>                    | Grand Junction District                     |

| Survey                                                     |                 |             |                       |              |              |                     |                    |           |             |
|------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (usft)                                      | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 4,542.00                                                   | 13.89           | 273.64      | 4,474.19              | -607.26      | -375.27      | 1,874,001.40        | 581,141.07         | 36.150126 | -107.558496 |
| 4,573.00                                                   | 14.03           | 282.23      | 4,504.28              | -606.23      | -382.65      | 1,874,002.41        | 581,133.68         | 36.150129 | -107.558521 |
| 4,605.00                                                   | 16.16           | 282.94      | 4,535.17              | -604.41      | -390.78      | 1,874,004.21        | 581,125.54         | 36.150134 | -107.558549 |
| 4,636.00                                                   | 18.03           | 286.83      | 4,564.80              | -602.06      | -399.58      | 1,874,006.54        | 581,116.74         | 36.150140 | -107.558579 |
| 4,667.00                                                   | 20.60           | 290.80      | 4,594.06              | -598.73      | -409.27      | 1,874,009.84        | 581,107.04         | 36.150149 | -107.558612 |
| 4,699.00                                                   | 22.78           | 294.74      | 4,623.79              | -594.14      | -420.16      | 1,874,014.40        | 581,096.13         | 36.150162 | -107.558648 |
| 4,730.00                                                   | 24.39           | 296.93      | 4,652.20              | -588.73      | -431.32      | 1,874,019.78        | 581,084.96         | 36.150177 | -107.558686 |
| 4,761.00                                                   | 26.44           | 298.61      | 4,680.20              | -582.52      | -443.09      | 1,874,025.95        | 581,073.18         | 36.150194 | -107.558726 |
| 4,792.00                                                   | 28.14           | 300.50      | 4,707.75              | -575.51      | -455.45      | 1,874,032.93        | 581,060.80         | 36.150213 | -107.558768 |
| 4,824.00                                                   | 30.80           | 302.95      | 4,735.61              | -567.22      | -468.83      | 1,874,041.18        | 581,047.39         | 36.150236 | -107.558813 |
| 4,855.00                                                   | 32.59           | 304.88      | 4,761.98              | -558.13      | -482.34      | 1,874,050.24        | 581,033.86         | 36.150261 | -107.558859 |
| 4,886.00                                                   | 35.47           | 304.90      | 4,787.67              | -548.20      | -496.57      | 1,874,060.12        | 581,019.60         | 36.150288 | -107.558907 |
| 4,917.00                                                   | 38.54           | 305.93      | 4,812.42              | -537.39      | -511.77      | 1,874,070.89        | 581,004.37         | 36.150318 | -107.558959 |
| 4,949.00                                                   | 41.85           | 307.08      | 4,836.86              | -525.10      | -528.36      | 1,874,083.13        | 580,987.74         | 36.150352 | -107.559015 |
| 4,980.00                                                   | 45.32           | 307.72      | 4,859.32              | -512.12      | -545.33      | 1,874,096.07        | 580,970.73         | 36.150387 | -107.559072 |
| 5,012.00                                                   | 48.05           | 309.97      | 4,881.27              | -497.51      | -563.46      | 1,874,110.62        | 580,952.57         | 36.150427 | -107.559134 |
| 5,043.00                                                   | 51.59           | 311.48      | 4,901.27              | -482.05      | -581.40      | 1,874,126.03        | 580,934.58         | 36.150470 | -107.559195 |
| 5,074.00                                                   | 55.08           | 313.21      | 4,919.77              | -465.30      | -599.77      | 1,874,142.73        | 580,916.17         | 36.150516 | -107.559257 |
| 5,106.00                                                   | 58.15           | 314.49      | 4,937.38              | -446.79      | -619.03      | 1,874,161.18        | 580,896.85         | 36.150567 | -107.559322 |
| 5,137.00                                                   | 61.92           | 314.84      | 4,952.86              | -427.91      | -638.13      | 1,874,180.01        | 580,877.70         | 36.150619 | -107.559387 |
| 5,168.00                                                   | 64.93           | 314.12      | 4,966.73              | -408.49      | -657.91      | 1,874,199.37        | 580,857.86         | 36.150672 | -107.559454 |
| 5,200.00                                                   | 67.91           | 313.62      | 4,979.53              | -388.17      | -679.05      | 1,874,219.63        | 580,836.67         | 36.150728 | -107.559525 |
| 5,231.00                                                   | 70.46           | 313.83      | 4,990.54              | -368.14      | -699.99      | 1,874,239.60        | 580,815.67         | 36.150783 | -107.559596 |
| 5,262.00                                                   | 73.18           | 314.38      | 5,000.21              | -347.64      | -721.13      | 1,874,260.04        | 580,794.47         | 36.150839 | -107.559668 |
| 5,293.00                                                   | 75.55           | 315.12      | 5,008.57              | -326.63      | -742.33      | 1,874,280.99        | 580,773.21         | 36.150897 | -107.559740 |
| 5,325.00                                                   | 77.33           | 316.10      | 5,016.07              | -304.40      | -764.09      | 1,874,303.16        | 580,751.38         | 36.150958 | -107.559813 |
| 5,356.00                                                   | 80.05           | 316.59      | 5,022.15              | -282.41      | -785.07      | 1,874,325.09        | 580,730.34         | 36.151018 | -107.559884 |
| 5,387.00                                                   | 82.94           | 316.62      | 5,026.74              | -260.13      | -806.13      | 1,874,347.31        | 580,709.22         | 36.151079 | -107.559956 |
| 5,418.00                                                   | 85.84           | 316.89      | 5,029.77              | -237.66      | -827.27      | 1,874,369.72        | 580,688.02         | 36.151141 | -107.560027 |
| 5,449.00                                                   | 86.58           | 316.47      | 5,031.81              | -215.16      | -848.49      | 1,874,392.16        | 580,666.73         | 36.151203 | -107.560099 |
| 5,481.00                                                   | 88.72           | 316.20      | 5,033.13              | -192.03      | -870.56      | 1,874,415.23        | 580,644.59         | 36.151267 | -107.560174 |
| 5,567.00                                                   | 90.00           | 315.18      | 5,034.09              | -130.50      | -930.63      | 1,874,476.59        | 580,584.35         | 36.151436 | -107.560378 |
| <b>Last Survey Curve</b>                                   |                 |             |                       |              |              |                     |                    |           |             |
| 5,608.81                                                   | 90.10           | 314.66      | 5,034.05              | -100.97      | -960.24      | 1,874,506.03        | 580,554.66         | 36.151517 | -107.560478 |
| <b>NEU 314H POE orig.</b>                                  |                 |             |                       |              |              |                     |                    |           |             |
| 5,616.00                                                   | 90.11           | 314.57      | 5,034.04              | -95.92       | -965.36      | 1,874,511.06        | 580,549.53         | 36.151531 | -107.560495 |
| <b>7" Casing@ 5616' MD, 1874511.06 N &amp; 580549.53 E</b> |                 |             |                       |              |              |                     |                    |           |             |
| 5,653.00                                                   | 90.20           | 314.11      | 5,033.94              | -70.06       | -991.82      | 1,874,536.85        | 580,522.99         | 36.151602 | -107.560585 |
| <b>First Survey Lateral</b>                                |                 |             |                       |              |              |                     |                    |           |             |
| 5,748.00                                                   | 88.39           | 314.51      | 5,035.11              | -3.71        | -1,059.79    | 1,874,603.01        | 580,454.83         | 36.151784 | -107.560815 |
| 5,843.00                                                   | 89.50           | 315.43      | 5,036.86              | 63.42        | -1,126.99    | 1,874,669.94        | 580,387.44         | 36.151968 | -107.561043 |
| 5,937.00                                                   | 87.49           | 315.40      | 5,039.32              | 130.34       | -1,192.95    | 1,874,736.68        | 580,321.30         | 36.152152 | -107.561266 |
| 6,032.00                                                   | 87.42           | 314.93      | 5,043.54              | 197.64       | -1,259.86    | 1,874,803.79        | 580,254.19         | 36.152337 | -107.561493 |
| 6,127.00                                                   | 89.36           | 314.76      | 5,046.21              | 264.60       | -1,327.19    | 1,874,870.56        | 580,186.67         | 36.152521 | -107.561721 |
| 6,222.00                                                   | 88.49           | 313.09      | 5,047.99              | 330.49       | -1,395.60    | 1,874,936.25        | 580,118.08         | 36.152702 | -107.561952 |
| 6,316.00                                                   | 89.43           | 314.25      | 5,049.70              | 395.39       | -1,463.58    | 1,875,000.95        | 580,049.91         | 36.152880 | -107.562183 |
| 6,411.00                                                   | 91.24           | 314.58      | 5,049.14              | 461.87       | -1,531.43    | 1,875,067.24        | 579,981.87         | 36.153063 | -107.562413 |
| 6,506.00                                                   | 91.54           | 313.45      | 5,046.84              | 527.86       | -1,599.73    | 1,875,133.04        | 579,913.39         | 36.153244 | -107.562644 |
| 6,600.00                                                   | 89.83           | 313.13      | 5,045.72              | 592.31       | -1,668.14    | 1,875,197.29        | 579,844.79         | 36.153421 | -107.562876 |
| 6,695.00                                                   | 90.17           | 316.91      | 5,045.72              | 659.49       | -1,735.28    | 1,875,264.29        | 579,777.46         | 36.153606 | -107.563103 |
| 6,789.00                                                   | 90.27           | 315.97      | 5,045.36              | 727.61       | -1,800.06    | 1,875,332.22        | 579,712.49         | 36.153793 | -107.563323 |
| 6,884.00                                                   | 90.57           | 315.24      | 5,044.66              | 795.49       | -1,866.52    | 1,875,399.91        | 579,645.84         | 36.153979 | -107.563548 |
| 6,978.00                                                   | 89.30           | 315.28      | 5,044.77              | 862.25       | -1,932.68    | 1,875,466.49        | 579,579.48         | 36.154163 | -107.563772 |
| 7,073.00                                                   | 89.23           | 314.22      | 5,045.98              | 929.13       | -2,000.14    | 1,875,533.17        | 579,511.83         | 36.154346 | -107.564000 |

**Scientific Drilling Int.**  
Survey Report - Geographic

|                  |                               |                                     |                                             |
|------------------|-------------------------------|-------------------------------------|---------------------------------------------|
| <b>Company:</b>  | WPX Energy                    | <b>Local Co-ordinate Reference:</b> | Well N Escavada UT #314H                    |
| <b>Project:</b>  | Sandoval County, NM 3003 West | <b>TVD Reference:</b>               | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Site:</b>     | N Escavada UT 329 Pad         | <b>MD Reference:</b>                | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Well:</b>     | N Escavada UT #314H           | <b>North Reference:</b>             | True                                        |
| <b>Wellbore:</b> | Wellbore #1                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                           |
| <b>Design:</b>   | Actual                        | <b>Database:</b>                    | Grand Junction District                     |

| Survey                |                 |             |                       |              |              |                     |                    |           |             |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|---------------------|--------------------|-----------|-------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |  |
| 7,167.00              | 89.66           | 313.83      | 5,046.89              | 994.45       | -2,067.73    | 1,875,598.30        | 579,444.06         | 36.154526 | -107.564229 |  |
| 7,262.00              | 90.34           | 313.72      | 5,046.89              | 1,060.18     | -2,136.32    | 1,875,663.83        | 579,375.28         | 36.154706 | -107.564462 |  |
| 7,357.00              | 90.54           | 315.56      | 5,046.16              | 1,126.92     | -2,203.91    | 1,875,730.38        | 579,307.50         | 36.154890 | -107.564691 |  |
| 7,451.00              | 88.99           | 316.44      | 5,046.55              | 1,194.54     | -2,269.21    | 1,875,797.81        | 579,242.01         | 36.155075 | -107.564912 |  |
| 7,546.00              | 90.10           | 316.45      | 5,047.30              | 1,263.38     | -2,334.67    | 1,875,866.47        | 579,176.36         | 36.155265 | -107.565134 |  |
| 7,640.00              | 90.70           | 316.33      | 5,046.65              | 1,331.44     | -2,399.50    | 1,875,934.34        | 579,111.33         | 36.155452 | -107.565353 |  |
| 7,735.00              | 91.68           | 315.94      | 5,044.68              | 1,399.92     | -2,465.32    | 1,876,002.63        | 579,045.32         | 36.155640 | -107.565576 |  |
| 7,830.00              | 92.15           | 315.29      | 5,041.50              | 1,467.77     | -2,531.73    | 1,876,070.30        | 578,978.72         | 36.155826 | -107.565801 |  |
| 7,924.00              | 90.70           | 316.32      | 5,039.16              | 1,535.14     | -2,597.23    | 1,876,137.48        | 578,913.02         | 36.156011 | -107.566023 |  |
| 8,019.00              | 89.13           | 317.25      | 5,039.30              | 1,604.38     | -2,662.28    | 1,876,206.53        | 578,847.78         | 36.156201 | -107.566243 |  |
| 8,113.00              | 90.07           | 317.78      | 5,039.96              | 1,673.69     | -2,725.77    | 1,876,275.67        | 578,784.09         | 36.156392 | -107.566459 |  |
| 8,208.00              | 88.83           | 318.53      | 5,040.87              | 1,744.46     | -2,789.14    | 1,876,346.25        | 578,720.52         | 36.156586 | -107.566673 |  |
| 8,303.00              | 89.97           | 319.19      | 5,041.87              | 1,816.00     | -2,851.63    | 1,876,417.61        | 578,657.82         | 36.156783 | -107.566885 |  |
| 8,397.00              | 89.13           | 317.71      | 5,042.61              | 1,886.34     | -2,913.98    | 1,876,487.78        | 578,595.28         | 36.156976 | -107.567096 |  |
| 8,492.00              | 89.60           | 317.41      | 5,043.66              | 1,956.44     | -2,978.08    | 1,876,557.70        | 578,530.98         | 36.157168 | -107.567313 |  |
| 8,587.00              | 89.33           | 315.55      | 5,044.55              | 2,025.33     | -3,043.49    | 1,876,626.40        | 578,465.37         | 36.157358 | -107.567535 |  |
| 8,682.00              | 88.62           | 315.01      | 5,046.25              | 2,092.82     | -3,110.33    | 1,876,693.70        | 578,398.34         | 36.157543 | -107.567761 |  |
| 8,776.00              | 89.13           | 315.31      | 5,048.09              | 2,159.46     | -3,176.60    | 1,876,760.15        | 578,331.88         | 36.157726 | -107.567986 |  |
| 8,871.00              | 89.43           | 315.32      | 5,049.28              | 2,227.00     | -3,243.40    | 1,876,827.50        | 578,264.89         | 36.157912 | -107.568212 |  |
| 8,965.00              | 89.60           | 315.06      | 5,050.08              | 2,293.68     | -3,309.64    | 1,876,893.99        | 578,198.46         | 36.158095 | -107.568437 |  |
| 9,060.00              | 88.02           | 315.44      | 5,052.05              | 2,361.13     | -3,376.50    | 1,876,961.25        | 578,131.40         | 36.158280 | -107.568663 |  |
| 9,151.00              | 88.29           | 315.15      | 5,054.98              | 2,425.78     | -3,440.49    | 1,877,025.71        | 578,067.24         | 36.158458 | -107.568880 |  |
| 9,244.00              | 88.93           | 315.75      | 5,057.24              | 2,492.03     | -3,505.71    | 1,877,091.78        | 578,001.83         | 36.158640 | -107.569101 |  |
| 9,335.00              | 89.60           | 315.82      | 5,058.41              | 2,557.25     | -3,569.16    | 1,877,156.82        | 577,938.19         | 36.158819 | -107.569316 |  |
| 9,426.00              | 88.66           | 313.79      | 5,059.79              | 2,621.36     | -3,633.72    | 1,877,220.75        | 577,873.45         | 36.158995 | -107.569535 |  |
| 9,518.00              | 88.15           | 312.67      | 5,062.35              | 2,684.35     | -3,700.72    | 1,877,283.55        | 577,806.27         | 36.159168 | -107.569762 |  |
| 9,610.00              | 89.13           | 313.17      | 5,064.53              | 2,746.98     | -3,768.07    | 1,877,345.99        | 577,738.74         | 36.159340 | -107.569990 |  |
| 9,701.00              | 90.00           | 314.74      | 5,065.22              | 2,810.14     | -3,833.58    | 1,877,408.96        | 577,673.06         | 36.159513 | -107.570212 |  |
| 9,794.00              | 90.40           | 313.15      | 5,064.90              | 2,874.68     | -3,900.54    | 1,877,473.31        | 577,605.91         | 36.159691 | -107.570439 |  |
| 9,885.00              | 88.86           | 310.78      | 5,065.49              | 2,935.52     | -3,968.19    | 1,877,533.96        | 577,538.09         | 36.159858 | -107.570668 |  |
| 9,977.00              | 88.69           | 314.37      | 5,067.45              | 2,997.74     | -4,035.91    | 1,877,595.98        | 577,470.19         | 36.160029 | -107.570897 |  |
| 10,069.00             | 88.89           | 314.99      | 5,069.40              | 3,062.41     | -4,101.31    | 1,877,660.47        | 577,404.60         | 36.160206 | -107.571119 |  |
| 10,161.00             | 90.10           | 314.88      | 5,070.21              | 3,127.39     | -4,166.44    | 1,877,725.26        | 577,339.30         | 36.160385 | -107.571339 |  |
| 10,252.00             | 90.17           | 316.69      | 5,069.99              | 3,192.61     | -4,229.89    | 1,877,790.30        | 577,275.65         | 36.160564 | -107.571554 |  |
| 10,344.00             | 90.20           | 318.16      | 5,069.70              | 3,260.35     | -4,292.13    | 1,877,857.87        | 577,213.22         | 36.160750 | -107.571765 |  |
| 10,436.00             | 88.42           | 317.04      | 5,070.80              | 3,328.28     | -4,354.16    | 1,877,925.62        | 577,151.00         | 36.160937 | -107.571975 |  |
| 10,528.00             | 88.83           | 316.92      | 5,073.01              | 3,395.53     | -4,416.91    | 1,877,992.69        | 577,088.06         | 36.161121 | -107.572188 |  |
| 10,620.00             | 89.26           | 316.78      | 5,074.54              | 3,462.64     | -4,479.82    | 1,878,059.62        | 577,024.96         | 36.161306 | -107.572401 |  |
| 10,711.00             | 89.73           | 316.56      | 5,075.35              | 3,528.83     | -4,542.26    | 1,878,125.63        | 576,962.33         | 36.161487 | -107.572613 |  |
| 10,803.00             | 89.60           | 317.17      | 5,075.88              | 3,595.96     | -4,605.16    | 1,878,192.59        | 576,899.24         | 36.161672 | -107.572826 |  |
| 10,895.00             | 90.47           | 317.16      | 5,075.83              | 3,663.43     | -4,667.71    | 1,878,259.87        | 576,836.50         | 36.161857 | -107.573038 |  |
| 10,986.00             | 90.00           | 315.04      | 5,075.46              | 3,728.99     | -4,730.81    | 1,878,325.26        | 576,773.22         | 36.162037 | -107.573252 |  |
| 11,079.00             | 90.67           | 315.42      | 5,074.91              | 3,795.02     | -4,796.30    | 1,878,391.10        | 576,707.53         | 36.162219 | -107.573473 |  |
| 11,170.00             | 90.20           | 315.67      | 5,074.22              | 3,859.97     | -4,860.03    | 1,878,455.87        | 576,643.62         | 36.162397 | -107.573689 |  |
| 11,262.00             | 89.10           | 315.86      | 5,074.78              | 3,925.88     | -4,924.21    | 1,878,521.60        | 576,579.25         | 36.162578 | -107.573907 |  |
| 11,354.00             | 89.23           | 313.61      | 5,076.12              | 3,990.63     | -4,989.55    | 1,878,586.15        | 576,513.73         | 36.162756 | -107.574128 |  |
| 11,445.00             | 89.33           | 310.78      | 5,077.27              | 4,051.74     | -5,056.96    | 1,878,647.07        | 576,446.15         | 36.162924 | -107.574357 |  |
| 11,537.00             | 88.76           | 311.68      | 5,078.80              | 4,112.36     | -5,126.14    | 1,878,707.50        | 576,376.80         | 36.163090 | -107.574591 |  |
| 11,629.00             | 89.46           | 313.94      | 5,080.23              | 4,174.87     | -5,193.62    | 1,878,769.82        | 576,309.14         | 36.163262 | -107.574820 |  |
| 11,721.00             | 89.19           | 311.12      | 5,081.31              | 4,237.05     | -5,261.40    | 1,878,831.80        | 576,241.18         | 36.163433 | -107.575049 |  |
| 11,812.00             | 88.19           | 311.64      | 5,083.39              | 4,297.19     | -5,329.67    | 1,878,891.75        | 576,172.75         | 36.163598 | -107.575281 |  |
| 11,904.00             | 88.29           | 314.05      | 5,086.22              | 4,359.72     | -5,397.08    | 1,878,954.08        | 576,105.15         | 36.163770 | -107.575509 |  |
| 11,996.00             | 88.16           | 315.99      | 5,089.07              | 4,424.76     | -5,462.08    | 1,879,018.94        | 576,039.97         | 36.163948 | -107.575729 |  |
| 12,087.00             | 89.16           | 316.79      | 5,091.20              | 4,490.63     | -5,524.83    | 1,879,084.63        | 575,977.03         | 36.164129 | -107.575942 |  |
| 12,179.00             | 89.53           | 315.48      | 5,092.25              | 4,556.95     | -5,588.58    | 1,879,150.77        | 575,913.10         | 36.164311 | -107.576158 |  |

**Scientific Drilling Int.**  
Survey Report - Geographic

|                  |                               |                                     |                                             |
|------------------|-------------------------------|-------------------------------------|---------------------------------------------|
| <b>Company:</b>  | WPX Energy                    | <b>Local Co-ordinate Reference:</b> | Well N Escavada UT #314H                    |
| <b>Project:</b>  | Sandoval County, NM 3003 West | <b>TVD Reference:</b>               | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Site:</b>     | N Escavada UT 329 Pad         | <b>MD Reference:</b>                | GL 6944 + KB 21= @ 6965.00usft (Cyclone 32) |
| <b>Well:</b>     | N Escavada UT #314H           | <b>North Reference:</b>             | True                                        |
| <b>Wellbore:</b> | Wellbore #1                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                           |
| <b>Design:</b>   | Actual                        | <b>Database:</b>                    | Grand Junction District                     |

| Survey                                                   |                 |             |                       |              |              |                     |                    |           |             |
|----------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (usft)                                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 12,271.00                                                | 90.07           | 314.24      | 5,092.57              | 4,621.84     | -5,653.79    | 1,879,215.48        | 575,847.70         | 36.164490 | -107.576379 |
| 12,362.00                                                | 90.07           | 313.96      | 5,092.46              | 4,685.17     | -5,719.14    | 1,879,278.62        | 575,782.17         | 36.164663 | -107.576600 |
| 12,454.00                                                | 89.56           | 317.19      | 5,092.76              | 4,750.87     | -5,783.52    | 1,879,344.13        | 575,717.60         | 36.164844 | -107.576818 |
| 12,546.00                                                | 89.19           | 319.96      | 5,093.76              | 4,819.84     | -5,844.39    | 1,879,412.93        | 575,656.54         | 36.165033 | -107.577025 |
| 12,638.00                                                | 90.77           | 322.09      | 5,093.79              | 4,891.36     | -5,902.25    | 1,879,484.29        | 575,598.48         | 36.165230 | -107.577221 |
| 12,729.00                                                | 90.27           | 319.77      | 5,092.97              | 4,962.00     | -5,959.59    | 1,879,554.76        | 575,540.93         | 36.165424 | -107.577415 |
| 12,824.00                                                | 90.23           | 318.43      | 5,092.55              | 5,033.80     | -6,021.79    | 1,879,626.39        | 575,478.53         | 36.165621 | -107.577626 |
| 12,918.00                                                | 87.68           | 316.76      | 5,094.27              | 5,103.19     | -6,085.17    | 1,879,695.60        | 575,414.96         | 36.165812 | -107.577841 |
| 13,013.00                                                | 88.79           | 318.07      | 5,097.19              | 5,173.10     | -6,149.42    | 1,879,765.33        | 575,350.51         | 36.166004 | -107.578058 |
| 13,107.00                                                | 88.29           | 314.58      | 5,099.59              | 5,241.06     | -6,214.30    | 1,879,833.10        | 575,285.43         | 36.166190 | -107.578278 |
| 13,202.00                                                | 88.56           | 313.57      | 5,102.20              | 5,307.11     | -6,282.52    | 1,879,898.96        | 575,217.02         | 36.166372 | -107.578509 |
| 13,297.00                                                | 90.24           | 312.95      | 5,103.19              | 5,372.21     | -6,351.70    | 1,879,963.86        | 575,147.66         | 36.166551 | -107.578744 |
| 13,392.00                                                | 91.61           | 312.45      | 5,101.66              | 5,436.63     | -6,421.51    | 1,880,028.08        | 575,077.67         | 36.166727 | -107.578980 |
| 13,486.00                                                | 90.54           | 312.98      | 5,099.90              | 5,500.38     | -6,490.56    | 1,880,091.63        | 575,008.44         | 36.166903 | -107.579214 |
| 13,581.00                                                | 91.04           | 311.45      | 5,098.59              | 5,564.20     | -6,560.91    | 1,880,155.26        | 574,937.91         | 36.167078 | -107.579453 |
| 13,676.00                                                | 91.11           | 304.37      | 5,096.80              | 5,622.52     | -6,635.80    | 1,880,213.37        | 574,862.85         | 36.167238 | -107.579706 |
| 13,770.00                                                | 91.14           | 301.40      | 5,094.96              | 5,673.55     | -6,714.71    | 1,880,264.16        | 574,783.79         | 36.167378 | -107.579974 |
| 13,822.00                                                | 90.91           | 301.76      | 5,094.03              | 5,700.78     | -6,759.00    | 1,880,291.27        | 574,739.42         | 36.167453 | -107.580124 |
| RSI@ 13822' MD, 1880291.27 N & 574739.42 E               |                 |             |                       |              |              |                     |                    |           |             |
| 13,837.00                                                | 90.84           | 301.87      | 5,093.80              | 5,708.68     | -6,771.75    | 1,880,299.14        | 574,726.65         | 36.167475 | -107.580167 |
| Last Survey Lateral                                      |                 |             |                       |              |              |                     |                    |           |             |
| 13,900.00                                                | 90.84           | 301.87      | 5,092.88              | 5,741.94     | -6,825.25    | 1,880,332.25        | 574,673.06         | 36.167566 | -107.580348 |
| BP@ 13900' MD, 1880332.25 N & 574673.06 E - NEU 314H BHL |                 |             |                       |              |              |                     |                    |           |             |

| Design Annotations    |                       |                   |              |                                                 |
|-----------------------|-----------------------|-------------------|--------------|-------------------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                         |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                                 |
| 438.00                | 437.99                | 2.45              | -0.67        | First Survey Int.                               |
| 4,323.00              | 4,259.57              | -585.46           | -341.56      | Last Survey Int.                                |
| 4,354.00              | 4,290.20              | -589.76           | -343.72      | First Survey Curve                              |
| 5,567.00              | 5,034.09              | -130.50           | -930.63      | Last Survey Curve                               |
| 5,616.00              | 5,034.04              | -95.92            | -965.36      | 7" Casing@ 5616' MD, 1874511.06 N & 580549.53 E |
| 5,653.00              | 5,033.94              | -70.06            | -991.82      | First Survey Lateral                            |
| 13,822.00             | 5,094.03              | 5,700.78          | -6,759.00    | RSI@ 13822' MD, 1880291.27 N & 574739.42 E      |
| 13,837.00             | 5,093.80              | 5,708.68          | -6,771.75    | Last Survey Lateral                             |
| 13,900.00             | 5,092.88              | 5,741.94          | -6,825.25    | BP@ 13900' MD, 1880332.25 N & 574673.06 E       |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_