

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

OCT 26 2017  
AMENDED REPORT  
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                             |                                              |                                |
|-----------------------------|----------------------------------------------|--------------------------------|
| *API Number<br>30-045-35817 | *Pool Code<br>98157                          | *Pool Name<br>LYBROOK MANCOS W |
| *Property Code<br>315250    | *Property Name<br>W LYBROOK UNIT             | *Well Number<br>754H           |
| *GRID No.<br>120782         | *Operator Name<br>WPX ENERGY PRODUCTION, LLC | *Elevation<br>6719'            |

10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idh | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| I             | 14      | 23N      | 9W    |         | 1889          | SOUTH            | 708           | EAST           | SAN JUAN |

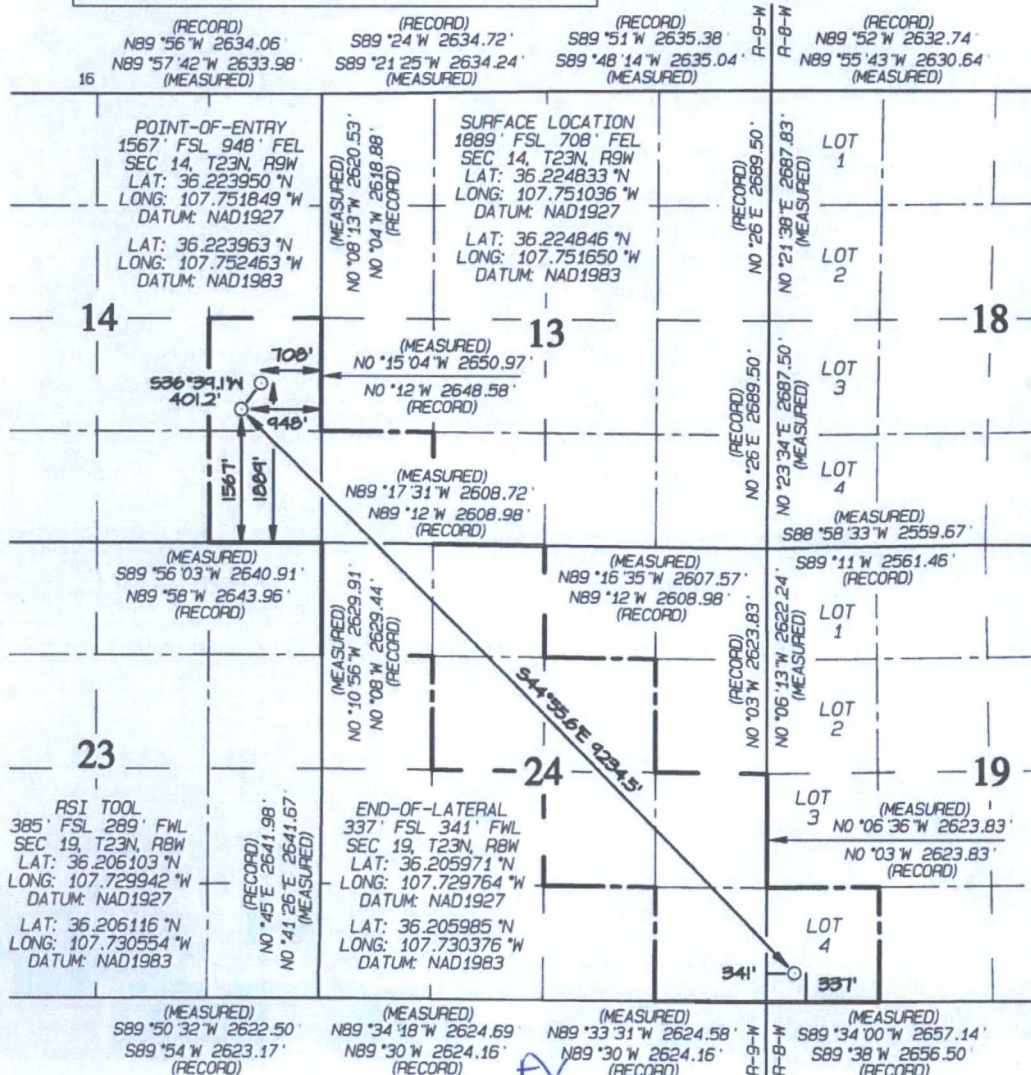
11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idh | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| M             | 19      | 23N      | 8W    | 4       | 337           | SOUTH            | 341           | WEST           | SAN JUAN |

|                              |                                                                                                                                                                         |                    |                       |                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|-------------------------------------------|
| 12 Dedicated Acres<br>440.21 | E/2 SE/4 - Section 14<br>SW/4 SW/4 - Section 13<br>N/2 NW/4, SE/4 NW/4<br>SW/4 NE/4, N/2 SE/4<br>SE/4 SE/4 - Section 24, T23N, R9W<br>SW/4 SW/4 - Section 19, T23N, R8W | 13 Joint or Infill | 14 Consolidation Code | 15 Order No.<br>R-14051 - 12,807.24 Acres |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|-------------------------------------------|

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

CONFIDENTIAL



17 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: *Lacey Granillo* Date: 10/25/17

Printed Name: lacey.granillo@wpxenergy.com  
E-mail Address:

18 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: OCTOBER 3, 2017  
Survey Date: SEPTEMBER 16, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

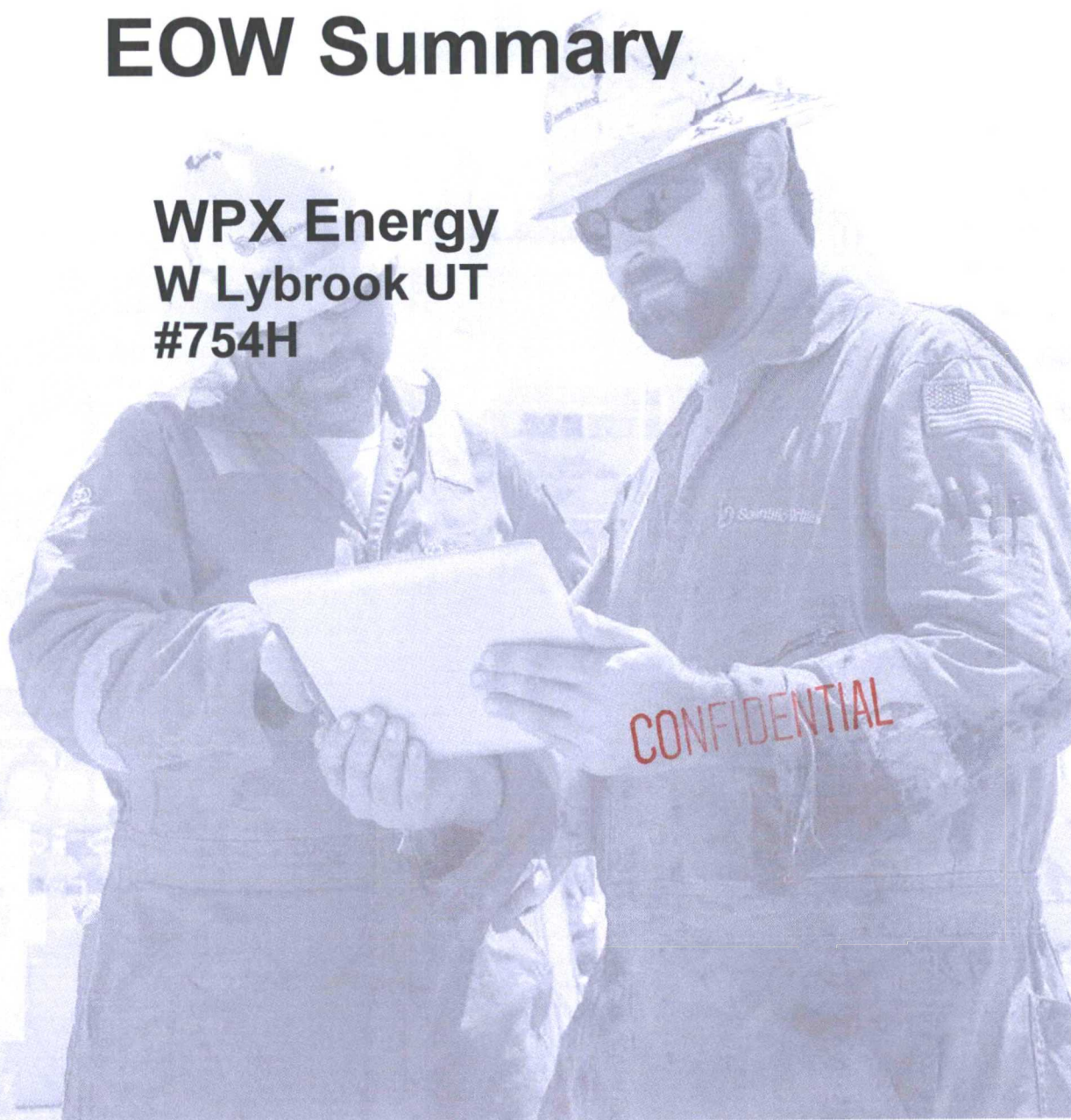
Certificate Number 15269

8



# EOW Summary

**WPX Energy**  
**W Lybrook UT**  
**#754H**





W Lybrook UT 754H  
T23N R9W  
Northing: 1901091.09  
Easting: 524273.81  
Actual

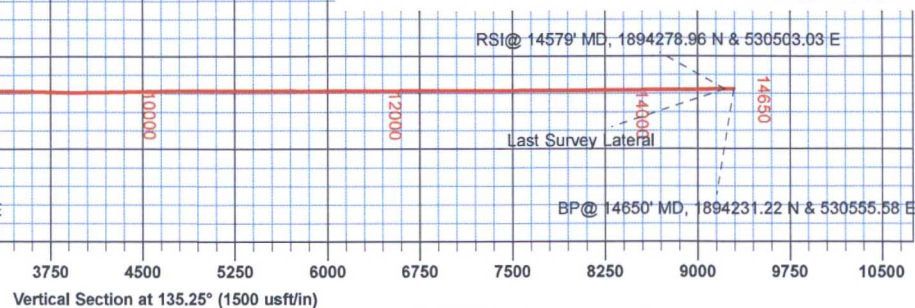
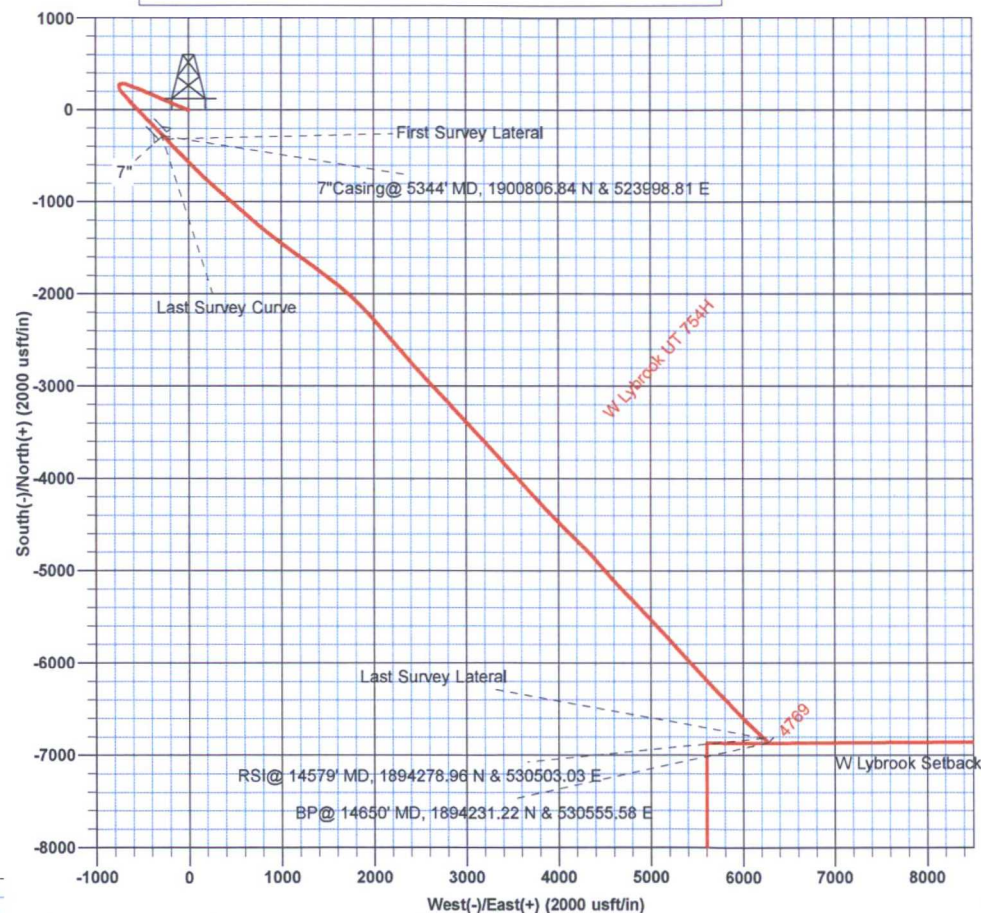
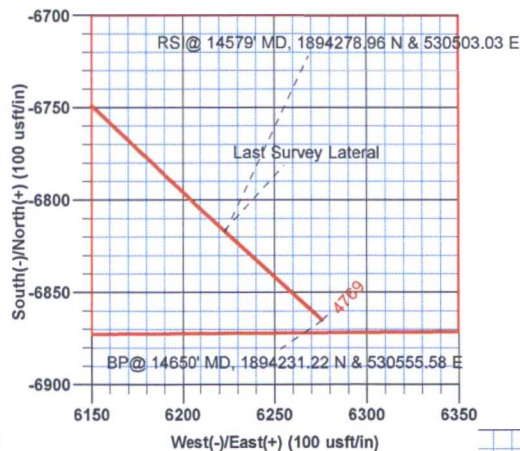
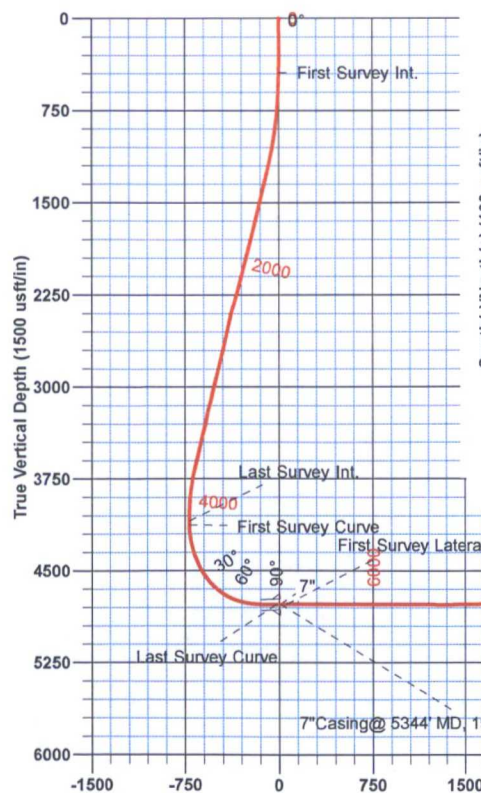
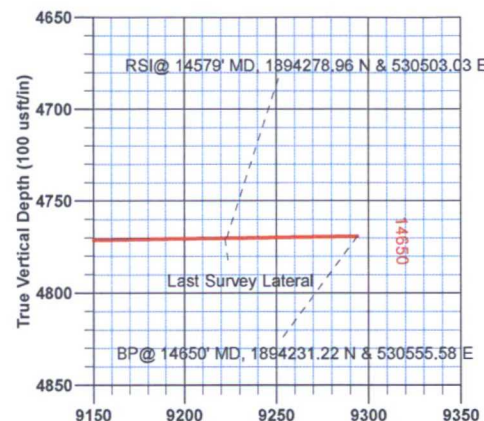
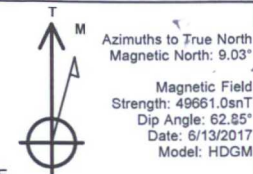
SL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)  
GL @ 6719.00



#### WELL DETAILS W Lybrook UT 754H

| +N/-S | +E/-W | Northing   | Easting   | Latitude  | Longitude   |
|-------|-------|------------|-----------|-----------|-------------|
| 0.00  | 0.00  | 1901091.09 | 524273.81 | 36.224833 | -107.751036 |

| TVD     | MD       | ANNOTATIONS                                     |
|---------|----------|-------------------------------------------------|
| 442.96  | 443.00   | Annotation                                      |
| 4096.18 | 4191.00  | First Survey Int.                               |
| 4128.02 | 4223.00  | Last Survey Int.                                |
| 4778.56 | 5313.00  | First Survey Curve                              |
| 4777.97 | 5344.00  | Last Survey Curve                               |
| 4776.40 | 5396.00  | 7" Casing@ 5344' MD, 1900806.84 N & 523998.81 E |
| 4770.42 | 14578.00 | First Survey Lateral                            |
| 4770.41 | 14579.00 | Last Survey Lateral                             |
| 4769.49 | 14650.00 | RSI@ 14579' MD, 1894278.96 N & 530503.03 E      |
|         |          | BP@ 14650' MD, 1894231.22 N & 530555.58 E       |



Bailey Fellows  
10:14, October 02 2017

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

# **WPX Energy**

**T23N R9W**

**W Lybrook UT 716 Pad**

**W Lybrook UT 754H**

**API: 30-045-35817**

**Wellbore #1**

**Survey: SDI MWD Lateral**

## **Survey Report - Geographic**

**02 October, 2017**



[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 W Lybrook UT 754H                       |
| <b>Project:</b>  | T23N R9W             | <b>TVD Reference:</b>               | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Site:</b>     | W Lybrook UT 716 Pad | <b>MD Reference:</b>                | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Well:</b>     | W Lybrook UT 754H    | <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>     | T23N R9W                             |                      |                |
| <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>                  | W Lybrook UT 716 Pad |                          |                   |
| <b>Site Position:</b>        |                      | <b>Northing:</b>         | 1,901,036.93 usft |
| <b>From:</b>                 | Lat/Long             | <b>Easting:</b>          | 524,357.92 usft   |
| <b>Position Uncertainty:</b> | 0.00 usft            | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                      | <b>Latitude:</b>         | 36.224684         |
|                              |                      | <b>Longitude:</b>        | -107.750751       |
|                              |                      | <b>Grid Convergence:</b> | 0.05 °            |

|                             |                   |                            |                                    |
|-----------------------------|-------------------|----------------------------|------------------------------------|
| <b>Well</b>                 | W Lybrook UT 754H |                            |                                    |
| <b>Well Position</b>        | +N/-S             | 0.00 usft                  | <b>Northing:</b> 1,901,091.09 usft |
|                             | +E/-W             | 0.00 usft                  | <b>Easting:</b> 524,273.81 usft    |
| <b>Position Uncertainty</b> | 0.00 usft         | <b>Wellhead Elevation:</b> | 0.00 usft                          |
|                             |                   | <b>Latitude:</b>           | 36.224833                          |
|                             |                   | <b>Longitude:</b>          | -107.751036                        |
|                             |                   | <b>Ground Level:</b>       | 6,719.00 usft                      |

|                  |                   |                            |                        |
|------------------|-------------------|----------------------------|------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                            |                        |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b>         | <b>Declination (°)</b> |
|                  | HDGM              | 6/13/2017                  | 9.03                   |
|                  |                   | <b>Dip Angle (°)</b>       | 62.85                  |
|                  |                   | <b>Field Strength (nT)</b> | 49,661                 |

|                          |                                |                      |                     |
|--------------------------|--------------------------------|----------------------|---------------------|
| <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> |
|                          | 0.00                           | 0.00                 | 0.00                |
|                          |                                | <b>Direction (°)</b> | 135.25              |

|                       |                  |                                    |                                  |
|-----------------------|------------------|------------------------------------|----------------------------------|
| <b>Survey Program</b> | Date 10/2/2017   |                                    |                                  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>           | <b>Tool Name</b>                 |
| 21.00                 | 307.00           | Gyros (Wellbore #1)                | NS-GYRO-MS                       |
| 443.00                | 4,191.00         | SDI MWD Intermediate (Wellbore #1) | MWD+HDGM                         |
| 4,223.00              | 5,313.00         | SDI MWD Curve (Wellbore #1)        | MWD+HDGM                         |
| 5,396.00              | 14,650.00        | SDI MWD Lateral (Wellbore #1)      | MWD+HDGM                         |
|                       |                  |                                    | <b>Description</b>               |
|                       |                  |                                    | North sensing gyrocompassing m/s |
|                       |                  |                                    | OWSG MWD + HDGM                  |
|                       |                  |                                    | OWSG 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> |
| 5,313.00                     | 90.87                  | 135.84             | 4,778.56                     | -261.70             | -296.75             | 1,900,829.14               | 523,977.29                | 36.224114       | -107.752042      |
| 5,344.00                     | 91.34                  | 136.30             | 4,777.97                     | -284.02             | -275.24             | 1,900,806.84               | 523,998.81                | 36.224053       | -107.751969      |
| <b>7"Casing@ 5344' MD,</b>   |                        |                    |                              |                     |                     |                            |                           |                 |                  |
| 5,395.68                     | 92.12                  | 137.07             | 4,776.41                     | -321.61             | -239.80             | 1,900,769.28               | 524,034.28                | 36.223950       | -107.751849      |
| <b>754H POE</b>              |                        |                    |                              |                     |                     |                            |                           |                 |                  |
| 5,396.00                     | 92.12                  | 137.07             | 4,776.40                     | -321.84             | -239.59             | 1,900,769.05               | 524,034.50                | 36.223949       | -107.751849      |
| <b>First Survey Lateral</b>  |                        |                    |                              |                     |                     |                            |                           |                 |                  |
| 5,491.00                     | 89.60                  | 136.18             | 4,774.97                     | -390.88             | -174.36             | 1,900,700.07               | 524,099.79                | 36.223759       | -107.751627      |
| 5,586.00                     | 89.50                  | 135.41             | 4,775.72                     | -458.98             | -108.12             | 1,900,632.03               | 524,166.08                | 36.223572       | -107.751403      |

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

|                  |                      |                                     |                                              |
|------------------|----------------------|-------------------------------------|----------------------------------------------|
| <b>Company:</b>  | WPX Energy           | <b>Local Co-ordinate Reference:</b> | Well W Lybrook UT 754H                       |
| <b>Project:</b>  | T23N R9W             | <b>TVD Reference:</b>               | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Site:</b>     | W Lybrook UT 716 Pad | <b>MD Reference:</b>                | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Well:</b>     | W Lybrook UT 754H    | <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<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Map<br>Northing<br>(usft) | Map<br>Easting<br>(usft) | Latitude  | Longitude   |
| 5,681.00                    | 90.44              | 136.52         | 4,775.77                    | -527.27         | -42.09          | 1,900,563.79              | 524,232.17               | 36.223385 | -107.751179 |
| 5,776.00                    | 90.20              | 134.17         | 4,775.24                    | -594.84         | 24.67           | 1,900,496.27              | 524,298.99               | 36.223199 | -107.750953 |
| 5,871.00                    | 88.89              | 135.29         | 4,775.99                    | -661.70         | 92.16           | 1,900,429.48              | 524,366.53               | 36.223015 | -107.750724 |
| 5,966.00                    | 89.50              | 134.31         | 4,777.33                    | -728.63         | 159.56          | 1,900,362.60              | 524,433.99               | 36.222831 | -107.750495 |
| 6,061.00                    | 90.50              | 132.06         | 4,777.33                    | -793.64         | 228.82          | 1,900,297.65              | 524,503.31               | 36.222653 | -107.750260 |
| 6,157.00                    | 90.87              | 131.27         | 4,776.18                    | -857.45         | 300.53          | 1,900,233.90              | 524,575.08               | 36.222478 | -107.750017 |
| 6,252.00                    | 90.54              | 131.12         | 4,775.01                    | -920.01         | 372.01          | 1,900,171.39              | 524,646.61               | 36.222306 | -107.749775 |
| 6,347.00                    | 90.40              | 130.65         | 4,774.23                    | -982.19         | 443.83          | 1,900,109.28              | 524,718.48               | 36.222135 | -107.749532 |
| 6,442.00                    | 89.19              | 131.06         | 4,774.57                    | -1,044.34       | 515.69          | 1,900,047.20              | 524,790.39               | 36.221964 | -107.749288 |
| 6,537.00                    | 88.39              | 130.92         | 4,776.58                    | -1,106.64       | 587.38          | 1,899,984.96              | 524,862.13               | 36.221793 | -107.749045 |
| 6,633.00                    | 90.17              | 133.26         | 4,777.78                    | -1,170.97       | 658.61          | 1,899,920.68              | 524,933.41               | 36.221616 | -107.748803 |
| 6,728.00                    | 89.97              | 130.25         | 4,777.67                    | -1,234.23       | 729.47          | 1,899,857.48              | 525,004.33               | 36.221442 | -107.748563 |
| 6,823.00                    | 89.80              | 129.46         | 4,777.86                    | -1,295.11       | 802.39          | 1,899,796.67              | 525,077.31               | 36.221275 | -107.748316 |
| 6,918.00                    | 91.91              | 128.46         | 4,776.44                    | -1,354.83       | 876.25          | 1,899,737.01              | 525,151.21               | 36.221111 | -107.748066 |
| 7,013.00                    | 91.71              | 127.49         | 4,773.44                    | -1,413.26       | 951.10          | 1,899,678.64              | 525,226.11               | 36.220951 | -107.747812 |
| 7,108.00                    | 91.45              | 126.44         | 4,770.82                    | -1,470.36       | 1,026.98        | 1,899,621.60              | 525,302.04               | 36.220794 | -107.747555 |
| 7,203.00                    | 89.87              | 127.08         | 4,769.72                    | -1,527.21       | 1,103.08        | 1,899,564.82              | 525,378.19               | 36.220638 | -107.747297 |
| 7,298.00                    | 89.23              | 125.28         | 4,770.47                    | -1,583.29       | 1,179.75        | 1,899,508.81              | 525,454.91               | 36.220483 | -107.747037 |
| 7,393.00                    | 89.46              | 124.72         | 4,771.56                    | -1,637.77       | 1,257.57        | 1,899,454.39              | 525,532.77               | 36.220334 | -107.746773 |
| 7,488.00                    | 88.35              | 127.97         | 4,773.37                    | -1,694.05       | 1,334.06        | 1,899,398.17              | 525,609.31               | 36.220179 | -107.746514 |
| 7,583.00                    | 88.26              | 127.33         | 4,776.18                    | -1,752.06       | 1,409.24        | 1,899,340.23              | 525,684.54               | 36.220020 | -107.746259 |
| 7,678.00                    | 87.88              | 126.53         | 4,779.38                    | -1,809.10       | 1,485.14        | 1,899,283.25              | 525,760.49               | 36.219863 | -107.746001 |
| 7,772.00                    | 88.19              | 127.11         | 4,782.61                    | -1,865.41       | 1,560.34        | 1,899,227.01              | 525,835.74               | 36.219708 | -107.745746 |
| 7,867.00                    | 90.20              | 128.70         | 4,783.94                    | -1,923.76       | 1,635.29        | 1,899,168.72              | 525,910.73               | 36.219548 | -107.745492 |
| 7,962.00                    | 89.26              | 131.41         | 4,784.39                    | -1,984.89       | 1,707.99        | 1,899,107.66              | 525,983.49               | 36.219380 | -107.745246 |
| 8,057.00                    | 90.84              | 134.22         | 4,784.31                    | -2,049.44       | 1,777.67        | 1,899,043.16              | 526,053.23               | 36.219203 | -107.745010 |
| 8,152.00                    | 89.16              | 135.05         | 4,784.31                    | -2,116.19       | 1,845.27        | 1,898,976.47              | 526,120.88               | 36.219019 | -107.744781 |
| 8,247.00                    | 89.87              | 137.22         | 4,785.11                    | -2,184.67       | 1,911.10        | 1,898,908.04              | 526,186.76               | 36.218831 | -107.744557 |
| 8,342.00                    | 89.80              | 136.28         | 4,785.38                    | -2,253.87       | 1,976.19        | 1,898,838.91              | 526,251.91               | 36.218641 | -107.744337 |
| 8,437.00                    | 91.38              | 139.47         | 4,784.40                    | -2,324.31       | 2,039.90        | 1,898,768.52              | 526,315.68               | 36.218448 | -107.744121 |
| 8,532.00                    | 88.92              | 138.78         | 4,784.16                    | -2,396.14       | 2,102.06        | 1,898,696.74              | 526,377.91               | 36.218250 | -107.743910 |
| 8,627.00                    | 89.13              | 138.42         | 4,785.77                    | -2,467.39       | 2,164.87        | 1,898,625.54              | 526,440.78               | 36.218055 | -107.743697 |
| 8,721.00                    | 90.84              | 140.28         | 4,785.80                    | -2,538.70       | 2,226.10        | 1,898,554.28              | 526,502.07               | 36.217859 | -107.743490 |
| 8,817.00                    | 90.27              | 139.97         | 4,784.87                    | -2,612.37       | 2,287.65        | 1,898,480.67              | 526,563.68               | 36.217656 | -107.743281 |
| 8,911.00                    | 88.89              | 138.67         | 4,785.56                    | -2,683.65       | 2,348.92        | 1,898,409.44              | 526,625.01               | 36.217460 | -107.743073 |
| 9,007.00                    | 89.03              | 138.69         | 4,787.30                    | -2,755.74       | 2,412.29        | 1,898,337.40              | 526,688.44               | 36.217262 | -107.742858 |
| 9,102.00                    | 87.05              | 136.99         | 4,790.55                    | -2,826.11       | 2,476.01        | 1,898,267.08              | 526,752.22               | 36.217069 | -107.742642 |
| 9,197.00                    | 87.99              | 138.24         | 4,794.66                    | -2,896.22       | 2,539.99        | 1,898,197.04              | 526,816.26               | 36.216876 | -107.742426 |
| 9,292.00                    | 90.94              | 136.94         | 4,795.55                    | -2,966.35       | 2,604.05        | 1,898,126.96              | 526,880.38               | 36.216684 | -107.742208 |
| 9,386.00                    | 90.54              | 135.55         | 4,794.33                    | -3,034.23       | 2,669.05        | 1,898,059.13              | 526,945.44               | 36.216497 | -107.741988 |
| 9,482.00                    | 90.54              | 136.56         | 4,793.43                    | -3,103.35       | 2,735.67        | 1,897,990.07              | 527,012.11               | 36.216307 | -107.741762 |
| 9,576.00                    | 91.61              | 138.29         | 4,791.66                    | -3,172.56       | 2,799.25        | 1,897,920.92              | 527,075.76               | 36.216117 | -107.741547 |
| 9,671.00                    | 89.90              | 136.92         | 4,790.41                    | -3,242.70       | 2,863.29        | 1,897,850.82              | 527,139.86               | 36.215924 | -107.741330 |
| 9,766.00                    | 91.71              | 136.45         | 4,789.08                    | -3,311.82       | 2,928.46        | 1,897,781.77              | 527,205.08               | 36.215735 | -107.741109 |
| 9,857.00                    | 92.66              | 138.06         | 4,785.61                    | -3,378.59       | 2,990.17        | 1,897,715.04              | 527,266.85               | 36.215551 | -107.740900 |
| 9,948.00                    | 90.94              | 137.75         | 4,782.75                    | -3,446.08       | 3,051.14        | 1,897,647.60              | 527,327.88               | 36.215366 | -107.740693 |
| 10,040.00                   | 91.07              | 138.32         | 4,781.14                    | -3,514.48       | 3,112.65        | 1,897,579.26              | 527,389.45               | 36.215178 | -107.740485 |
| 10,131.00                   | 89.23              | 136.09         | 4,780.90                    | -3,581.25       | 3,174.47        | 1,897,512.54              | 527,451.32               | 36.214994 | -107.740275 |
| 10,222.00                   | 89.43              | 137.55         | 4,781.96                    | -3,647.60       | 3,236.73        | 1,897,446.25              | 527,513.64               | 36.214812 | -107.740064 |
| 10,313.00                   | 88.96              | 137.55         | 4,783.24                    | -3,714.74       | 3,298.15        | 1,897,379.16              | 527,575.11               | 36.214628 | -107.739856 |
| 10,404.00                   | 90.74              | 138.72         | 4,783.48                    | -3,782.50       | 3,358.87        | 1,897,311.45              | 527,635.90               | 36.214441 | -107.739650 |
| 10,494.00                   | 90.57              | 138.96         | 4,782.45                    | -3,850.26       | 3,418.11        | 1,897,243.74              | 527,695.19               | 36.214255 | -107.739449 |
| 10,585.00                   | 89.43              | 136.94         | 4,782.45                    | -3,917.82       | 3,479.05        | 1,897,176.22              | 527,756.19               | 36.214070 | -107.739243 |
| 10,675.00                   | 89.06              | 136.63         | 4,783.63                    | -3,983.41       | 3,540.67        | 1,897,110.69              | 527,817.87               | 36.213889 | -107.739034 |
| 10,764.00                   | 90.27              | 138.72         | 4,784.16                    | -4,049.20       | 3,600.59        | 1,897,044.95              | 527,877.84               | 36.213709 | -107.738831 |

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

|                  |                      |                                     |                                              |
|------------------|----------------------|-------------------------------------|----------------------------------------------|
| <b>Company:</b>  | WPX Energy           | <b>Local Co-ordinate Reference:</b> | Well W Lybrook UT 754H                       |
| <b>Project:</b>  | T23N R9W             | <b>TVD Reference:</b>               | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Site:</b>     | W Lybrook UT 716 Pad | <b>MD Reference:</b>                | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Well:</b>     | W Lybrook UT 754H    | <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   |
| 10,854.00                | 89.90           | 137.87      | 4,784.02              | -4,116.40    | 3,660.47     | 1,896,977.81        | 527,937.78         | 36.213524 | -107.738628 |
| 10,944.00                | 89.97           | 136.61      | 4,784.12              | -4,182.47    | 3,721.57     | 1,896,911.78        | 527,998.93         | 36.213343 | -107.738421 |
| 11,034.00                | 90.10           | 137.33      | 4,784.07              | -4,248.26    | 3,782.99     | 1,896,846.04        | 528,060.40         | 36.213162 | -107.738212 |
| 11,125.00                | 90.10           | 136.80      | 4,783.91              | -4,314.88    | 3,844.97     | 1,896,779.47        | 528,122.45         | 36.212979 | -107.738002 |
| 11,216.00                | 89.87           | 136.10      | 4,783.93              | -4,380.84    | 3,907.67     | 1,896,713.57        | 528,185.20         | 36.212797 | -107.737790 |
| 11,307.00                | 90.07           | 135.91      | 4,783.98              | -4,446.30    | 3,970.88     | 1,896,648.16        | 528,248.46         | 36.212618 | -107.737576 |
| 11,397.00                | 90.00           | 135.62      | 4,783.93              | -4,510.79    | 4,033.66     | 1,896,583.73        | 528,311.30         | 36.212440 | -107.737363 |
| 11,488.00                | 89.66           | 134.42      | 4,784.20              | -4,575.16    | 4,097.98     | 1,896,519.42        | 528,375.68         | 36.212264 | -107.737145 |
| 11,577.00                | 90.24           | 134.99      | 4,784.27              | -4,637.76    | 4,161.24     | 1,896,456.87        | 528,438.99         | 36.212092 | -107.736930 |
| 11,667.00                | 90.20           | 134.28      | 4,783.93              | -4,700.99    | 4,225.28     | 1,896,393.69        | 528,503.08         | 36.211918 | -107.736713 |
| 11,757.00                | 89.90           | 133.73      | 4,783.85              | -4,763.52    | 4,290.02     | 1,896,331.22        | 528,567.87         | 36.211746 | -107.736494 |
| 11,846.00                | 90.07           | 136.53      | 4,783.87              | -4,826.59    | 4,352.80     | 1,896,268.20        | 528,630.71         | 36.211573 | -107.736281 |
| 11,937.00                | 89.87           | 139.32      | 4,783.92              | -4,894.13    | 4,413.77     | 1,896,200.71        | 528,691.74         | 36.211387 | -107.736074 |
| 12,028.00                | 90.57           | 139.29      | 4,783.57              | -4,963.12    | 4,473.11     | 1,896,131.77        | 528,751.13         | 36.211198 | -107.735873 |
| 12,118.00                | 90.50           | 139.42      | 4,782.73              | -5,031.41    | 4,531.73     | 1,896,063.53        | 528,809.81         | 36.211010 | -107.735675 |
| 12,209.00                | 89.73           | 137.76      | 4,782.55              | -5,099.65    | 4,591.92     | 1,895,995.34        | 528,870.06         | 36.210823 | -107.735471 |
| 12,300.00                | 90.17           | 136.90      | 4,782.63              | -5,166.56    | 4,653.59     | 1,895,928.48        | 528,931.79         | 36.210639 | -107.735262 |
| 12,391.00                | 90.50           | 136.79      | 4,782.10              | -5,232.95    | 4,715.83     | 1,895,862.15        | 528,994.09         | 36.210456 | -107.735051 |
| 12,482.00                | 90.13           | 135.74      | 4,781.60              | -5,298.70    | 4,778.74     | 1,895,796.46        | 529,057.05         | 36.210276 | -107.734838 |
| 12,573.00                | 89.40           | 134.42      | 4,781.97              | -5,363.13    | 4,843.00     | 1,895,732.08        | 529,121.36         | 36.210099 | -107.734620 |
| 12,664.00                | 89.30           | 137.06      | 4,783.00              | -5,428.29    | 4,906.50     | 1,895,666.97        | 529,184.92         | 36.209920 | -107.734405 |
| 12,754.00                | 89.90           | 137.86      | 4,783.63              | -5,494.60    | 4,967.34     | 1,895,600.71        | 529,245.82         | 36.209737 | -107.734198 |
| 12,845.00                | 90.48           | 138.13      | 4,783.33              | -5,562.22    | 5,028.24     | 1,895,533.14        | 529,306.77         | 36.209552 | -107.733992 |
| 12,935.00                | 91.11           | 138.39      | 4,782.08              | -5,629.37    | 5,088.15     | 1,895,466.04        | 529,366.74         | 36.209367 | -107.733789 |
| 13,026.00                | 90.50           | 137.36      | 4,780.80              | -5,696.86    | 5,149.18     | 1,895,398.61        | 529,427.83         | 36.209182 | -107.733582 |
| 13,120.00                | 90.30           | 136.66      | 4,780.14              | -5,765.61    | 5,213.28     | 1,895,329.91        | 529,491.98         | 36.208993 | -107.733365 |
| 13,215.00                | 89.83           | 135.87      | 4,780.04              | -5,834.25    | 5,278.95     | 1,895,261.32        | 529,557.72         | 36.208804 | -107.733142 |
| 13,310.00                | 89.53           | 138.91      | 4,780.57              | -5,904.16    | 5,343.26     | 1,895,191.47        | 529,622.08         | 36.208612 | -107.732924 |
| 13,406.00                | 89.73           | 137.88      | 4,781.19              | -5,975.94    | 5,407.00     | 1,895,119.74        | 529,685.88         | 36.208415 | -107.732708 |
| 13,501.00                | 90.37           | 137.79      | 4,781.10              | -6,046.36    | 5,470.77     | 1,895,049.38        | 529,749.71         | 36.208221 | -107.732492 |
| 13,596.00                | 90.94           | 138.41      | 4,780.02              | -6,117.06    | 5,534.21     | 1,894,978.73        | 529,813.21         | 36.208027 | -107.732277 |
| 13,691.00                | 90.94           | 137.15      | 4,778.46              | -6,187.41    | 5,598.04     | 1,894,908.44        | 529,877.10         | 36.207834 | -107.732061 |
| 13,787.00                | 89.40           | 136.58      | 4,778.17              | -6,257.46    | 5,663.67     | 1,894,838.45        | 529,942.80         | 36.207641 | -107.731839 |
| 13,882.00                | 89.93           | 136.55      | 4,778.73              | -6,326.44    | 5,728.99     | 1,894,769.52        | 530,008.17         | 36.207452 | -107.731617 |
| 13,977.00                | 90.34           | 134.86      | 4,778.51              | -6,394.44    | 5,795.33     | 1,894,701.58        | 530,074.57         | 36.207265 | -107.731392 |
| 14,072.00                | 91.71           | 135.86      | 4,776.81              | -6,462.02    | 5,862.07     | 1,894,634.05        | 530,141.36         | 36.207079 | -107.731166 |
| 14,167.00                | 90.50           | 135.94      | 4,774.98              | -6,530.23    | 5,928.16     | 1,894,565.90        | 530,207.52         | 36.206892 | -107.730942 |
| 14,262.00                | 90.30           | 135.31      | 4,774.31              | -6,598.13    | 5,994.60     | 1,894,498.06        | 530,274.01         | 36.206705 | -107.730717 |
| 14,357.00                | 90.70           | 134.30      | 4,773.48              | -6,665.07    | 6,062.00     | 1,894,431.17        | 530,341.47         | 36.206521 | -107.730489 |
| 14,452.00                | 90.84           | 133.47      | 4,772.21              | -6,730.92    | 6,130.46     | 1,894,365.38        | 530,409.99         | 36.206340 | -107.730257 |
| 14,547.00                | 90.81           | 132.70      | 4,770.84              | -6,795.81    | 6,199.84     | 1,894,300.55        | 530,479.42         | 36.206162 | -107.730021 |
| 14,578.00                | 90.74           | 132.30      | 4,770.42              | -6,816.75    | 6,222.69     | 1,894,279.63        | 530,502.29         | 36.206105 | -107.729944 |
| Last Survey Lateral      |                 |             |                       |              |              |                     |                    |           |             |
| 14,579.00                | 90.74           | 132.30      | 4,770.41              | -6,817.42    | 6,223.43     | 1,894,278.96        | 530,503.03         | 36.206103 | -107.729942 |
| RSI@ 14579' MD,          |                 |             |                       |              |              |                     |                    |           |             |
| 14,650.00                | 90.74           | 132.30      | 4,769.49              | -6,865.20    | 6,275.94     | 1,894,231.22        | 530,555.58         | 36.205971 | -107.729764 |
| BP@ 14650' MD - 754H BHL |                 |             |                       |              |              |                     |                    |           |             |

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

|                  |                      |                                     |                                              |
|------------------|----------------------|-------------------------------------|----------------------------------------------|
| <b>Company:</b>  | WPX Energy           | <b>Local Co-ordinate Reference:</b> | Well W Lybrook UT 754H                       |
| <b>Project:</b>  | T23N R9W             | <b>TVD Reference:</b>               | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Site:</b>     | W Lybrook UT 716 Pad | <b>MD Reference:</b>                | GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32) |
| <b>Well:</b>     | W Lybrook UT 754H    | <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 Annotations          |                             |                   |                 |                      |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment              |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                      |
| 5,344.00                    | 4,777.97                    | -284.02           | -275.24         | 7"Casing@ 5344' MD,  |
| 5,396.00                    | 4,776.40                    | -321.84           | -239.59         | First Survey Lateral |
| 14,578.00                   | 4,770.42                    | -6,816.75         | 6,222.69        | Last Survey Lateral  |
| 14,579.00                   | 4,770.41                    | -6,817.42         | 6,223.43        | RSI@ 14579' MD,      |
| 14,650.00                   | 4,769.49                    | -6,865.20         | 6,275.94        | BP@ 14650' MD        |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|