

**DISTRICT I**

1626 N. French Dr., Hobbs, N.M. 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**

811 S. First St., Artesia, N.M. 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, N.M. 87410  
Phone: (505) 334-8178 Fax: (505) 334-8170

**DISTRICT IV**

1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 478-3460 Fax: (505) 478-3462

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 Dr.  
Santa Fe, NM 87505

☐ AMENDED REPORT  
☒ AS-DRILLED

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                         |                                                  |                                                     |
|-----------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| <sup>1</sup> API Number<br>30-045-35656 | <sup>2</sup> Pool Code<br>98173                  | <sup>3</sup> Pool Name<br>BLANCO WASH UNIT OIL POOL |
| <sup>4</sup> Property Code<br>325180    | <sup>5</sup> Property Name<br>BLANCO WASH UNIT   | <sup>6</sup> Well Number<br>402H                    |
| <sup>7</sup> OGRID No.<br>371838        | <sup>8</sup> Operator Name<br>DJR OPERATING, LLC | <sup>9</sup> Elevation<br>6892.4'                   |

<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             | 24      | 24N      | 9W    |         | 1569'         | SOUTH            | 61'           | EAST           | SAN JUAN |

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

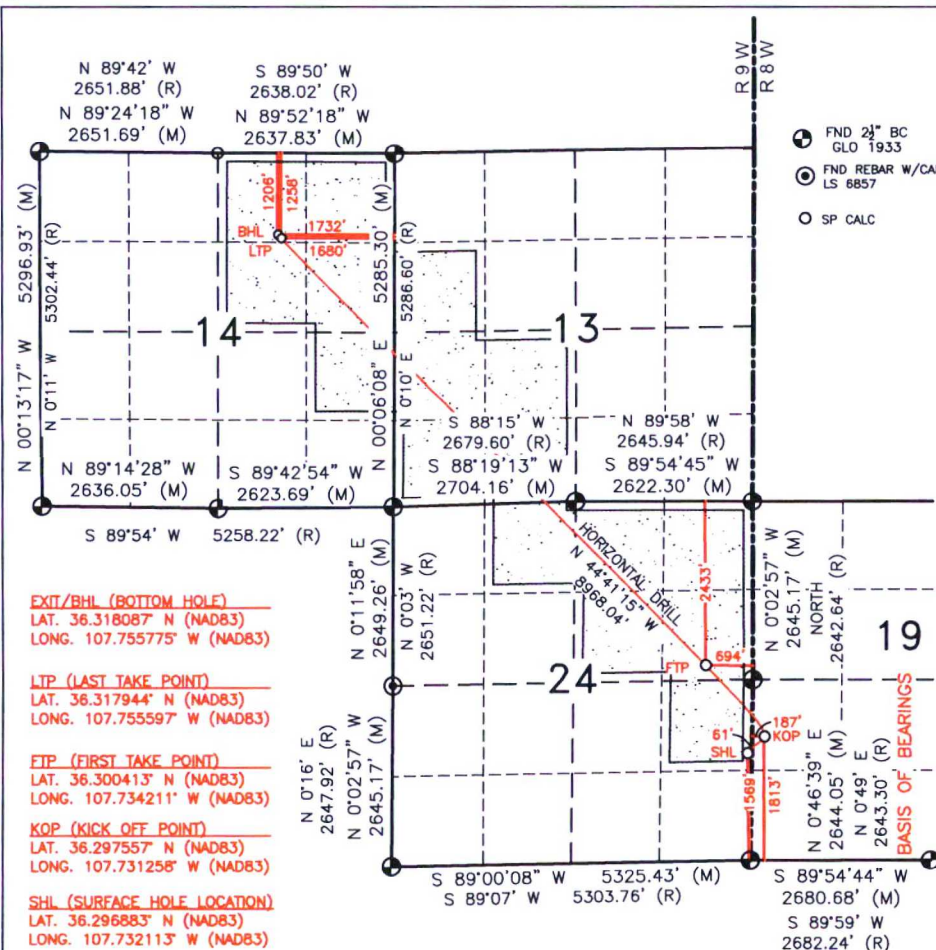
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| B             | 14      | 24N      | 9W    |         | 1206'         | NORTH            | 1732'         | EAST           | SAN JUAN |

<sup>12</sup> Dedicated Acres PROJECT AREA:  
SEC 13: SW/4 & SW/NW (200 AC); SEC 14: NE/4, &  
NE/SE (200 AC); SEC 24: NE/SE, NE/4 & NE/NW (240  
AC) = 640 ACRES TOTAL

<sup>13</sup> Joint or Infill<sup>14</sup> Consolidation Code<sup>15</sup> Order No.

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

16

**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.

Shaw-Marie Ford 11/20/19  
Signature Date

Shaw-Marie Ford  
Printed Name

sford@djrlc.com  
E-mail Address

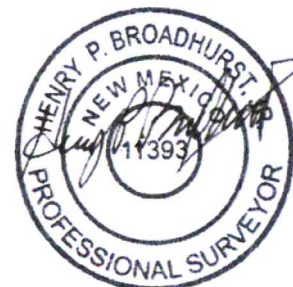
**SURVEYOR CERTIFICATION**

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.

OCTOBER 25, 2019

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393

**DISTRICT IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 478-3480 Fax: (505) 478-3482

**PROJECT AREA:**  
**SEC 13: SW/4 & SW/NW (200 AC); SEC 14:**  
**NE/4, & NE/SE (200 AC); SEC 24: NE/SE,**  
**NE/4 & NE/NW (240 AC) = 640 ACRES TOTAL**  
 TOTAL 13128.47 ACRES: ALL OF SECS. 6, 7, 18, & 19, IN  
 T24N RBW. ALL OF SECTIONS 1, 5, 8 - 17, 20, & 21, E/2  
 SECTION 2, W/2 SECTION 4, N/2 SECTIONS 21 - 23, IN T24N  
 R9W, - UNDIVIDED UNIT



Scientific Drilling

## Directional Survey Certification

2948 I-70 Business Loop  
Grand Junction, CO 81504  
(970)-245-9447 Fax (970)-245-9454

|                 |                            |
|-----------------|----------------------------|
| Operator        | DJR Operating              |
| Well Name & No. | Blanco Wash I24A 2409 402H |
| County & State  | San Juan, NM               |
| SDI Job No.     | OP.021602                  |
| Rig             | Aztec 920                  |

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 441 feet to a measured depth of 15,634 feet is true and correct as determined from all available records.

  
Signature

24-Oct-19  
Date

**Janie Collins**  
Colorado District Well Planner  
Scientific Drilling International



Scientific Drilling, Intl  
Survey Report



Company: DJR Operating  
Project: Blanco Wash Unit  
Site: I24A 2409  
Well: # 402H  
Wellbore: Original drilling  
Design: Original drilling

Local Co-ordinate Reference: Well # 402H  
TVD Reference: GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
MD Reference: GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: Grand Junction District

|             |                           |               |                |
|-------------|---------------------------|---------------|----------------|
| Project     | Blanco Wash Unit          |               |                |
| Map System: | US State Plane 1983       | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983 |               |                |
| Map Zone:   | New Mexico Western Zone   |               |                |

|                       |           |                   |                   |
|-----------------------|-----------|-------------------|-------------------|
| Site                  | I24A 2409 |                   |                   |
| Site Position:        |           | Northing:         | 1,927,380.66 usft |
| From:                 | Lat/Long  | Easting:          | 2,752,918.75 usft |
| Position Uncertainty: | 0.00 usft | Slot Radius:      | 16.00 in          |
|                       |           | Latitude:         | 36.2968830        |
|                       |           | Longitude:        | -107.7321130      |
|                       |           | Grid Convergence: | 0.06 °            |

|                      |           |                     |               |
|----------------------|-----------|---------------------|---------------|
| Well                 | # 402H    |                     |               |
| Well Position        | +N/-S     | 0.00 usft           | Northing:     |
|                      | +E/-W     | 0.00 usft           | Easting:      |
| Position Uncertainty | 0.00 usft | Wellhead Elevation: | 0.00 usft     |
|                      |           | Latitude:           | 36.2968830    |
|                      |           | Longitude:          | -107.7321130  |
|                      |           | Ground Level:       | 6,892.00 usft |

|           |                   |             |                     |
|-----------|-------------------|-------------|---------------------|
| Wellbore  | Original drilling |             |                     |
| Magnetics | Model Name        | Sample Date | Declination (°)     |
|           | HDGM              | 10/6/2019   | 8.77                |
|           |                   |             | Dip Angle (°)       |
|           |                   |             | 62.83               |
|           |                   |             | Field Strength (nT) |
|           |                   |             | 49,466              |

|                   |                         |               |               |
|-------------------|-------------------------|---------------|---------------|
| Design            | Original drilling       |               |               |
| Audit Notes:      |                         |               |               |
| Version:          | 1.0                     | Phase:        | ACTUAL        |
|                   |                         | Tie On Depth: | 0.00          |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft)  | +E/-W (usft)  |
|                   | 0.00                    | 0.00          | 0.00          |
|                   |                         |               | Direction (°) |
|                   |                         |               | 317.884       |

|                |                 |                                           |                 |
|----------------|-----------------|-------------------------------------------|-----------------|
| Survey Program | Date 10/24/2019 |                                           |                 |
| From (usft)    | To (usft)       | Survey (Wellbore)                         | Tool Name       |
| 441.00         | 4,791.00        | Survey #1 - Surface MWD Survey (Original) | MWD+HDGM        |
| 4,854.00       | 5,801.00        | Survey #2 - Curve MWD Survey (Original)   | MWD+HDGM        |
| 5,890.00       | 15,634.00       | Survey #3 - Lateral MWD Survey (Original) | MWD+HDGM        |
|                |                 |                                           | Description     |
|                |                 |                                           | OWSG MWD + HDGM |
|                |                 |                                           | OWSG MWD + HDGM |
|                |                 |                                           | OWSG MWD + HDGM |

|                       |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                  | 0.00            | 0.000       | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 441.00                | 0.89            | 254.120     | 440.98                | -0.94        | -3.29        | 1.51                    | 0.20                    | 0.20                   | 0.00                  |
| 501.00                | 0.31            | 130.910     | 500.98                | -1.17        | -3.62        | 1.56                    | 1.82                    | -0.97                  | -205.35               |
| 563.00                | 0.81            | 108.350     | 562.98                | -1.42        | -3.08        | 1.01                    | 0.87                    | 0.81                   | -36.39                |
| 623.00                | 1.59            | 58.260      | 622.96                | -1.11        | -1.97        | 0.49                    | 2.06                    | 1.30                   | -83.48                |
| 684.00                | 3.18            | 46.760      | 683.91                | 0.49         | -0.01        | 0.37                    | 2.71                    | 2.61                   | -18.85                |
| 745.00                | 3.75            | 48.460      | 744.80                | 2.97         | 2.71         | 0.39                    | 0.95                    | 0.93                   | 2.79                  |
| 806.00                | 4.69            | 46.260      | 805.63                | 6.02         | 6.01         | 0.44                    | 1.56                    | 1.54                   | -3.61                 |
| 867.00                | 5.41            | 47.000      | 866.40                | 9.70         | 9.91         | 0.55                    | 1.19                    | 1.18                   | 1.21                  |



**Scientific Drilling, Intl**  
Survey Report



**Company:** DJR Operating  
**Project:** Blanco Wash Unit  
**Site:** I24A 2409  
**Well:** # 402H  
**Wellbore:** Original drilling  
**Design:** Original drilling

**Local Co-ordinate Reference:** Well # 402H  
**TVD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**MD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Grand Junction District

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 928.00                | 6.54            | 45.510      | 927.06                | 14.10        | 14.49        | 0.74                    | 1.87                    | 1.85                   | -2.44                 |
| 989.00                | 6.84            | 45.390      | 987.65                | 19.09        | 19.56        | 1.04                    | 0.49                    | 0.49                   | -0.20                 |
| 1,050.00              | 7.35            | 42.530      | 1,048.18              | 24.51        | 24.78        | 1.56                    | 1.02                    | 0.84                   | -4.69                 |
| 1,111.00              | 7.56            | 44.750      | 1,108.66              | 30.24        | 30.24        | 2.15                    | 0.58                    | 0.34                   | 3.64                  |
| 1,171.00              | 7.27            | 45.220      | 1,168.16              | 35.71        | 35.72        | 2.54                    | 0.49                    | -0.48                  | 0.78                  |
| 1,232.00              | 7.24            | 43.450      | 1,228.67              | 41.22        | 41.10        | 3.02                    | 0.37                    | -0.05                  | -2.90                 |
| 1,293.00              | 6.25            | 44.390      | 1,289.25              | 46.39        | 46.07        | 3.52                    | 1.63                    | -1.62                  | 1.54                  |
| 1,354.00              | 6.25            | 46.230      | 1,349.89              | 51.06        | 50.79        | 3.81                    | 0.33                    | 0.00                   | 3.02                  |
| 1,414.00              | 5.66            | 36.810      | 1,409.57              | 55.68        | 54.92        | 4.48                    | 1.90                    | -0.98                  | -15.70                |
| 1,476.00              | 4.64            | 40.090      | 1,471.32              | 60.05        | 58.36        | 5.40                    | 1.71                    | -1.65                  | 5.29                  |
| 1,537.00              | 4.38            | 41.580      | 1,532.13              | 63.68        | 61.50        | 5.99                    | 0.47                    | -0.43                  | 2.44                  |
| 1,598.00              | 4.06            | 43.900      | 1,592.96              | 66.98        | 64.54        | 6.40                    | 0.59                    | -0.52                  | 3.80                  |
| 1,659.00              | 4.27            | 40.450      | 1,653.80              | 70.26        | 67.51        | 6.84                    | 0.54                    | 0.34                   | -5.66                 |
| 1,721.00              | 3.31            | 41.450      | 1,715.66              | 73.36        | 70.20        | 7.34                    | 1.55                    | -1.55                  | 1.61                  |
| 1,780.00              | 2.96            | 44.780      | 1,774.58              | 75.72        | 72.40        | 7.62                    | 0.67                    | -0.59                  | 5.64                  |
| 1,843.00              | 3.82            | 39.040      | 1,837.47              | 78.50        | 74.86        | 8.03                    | 1.47                    | 1.37                   | -9.11                 |
| 1,904.00              | 4.91            | 44.030      | 1,898.29              | 81.96        | 77.96        | 8.52                    | 1.89                    | 1.79                   | 8.18                  |
| 1,966.00              | 4.94            | 43.300      | 1,960.06              | 85.81        | 81.63        | 8.91                    | 0.11                    | 0.05                   | -1.18                 |
| 2,029.00              | 4.67            | 41.250      | 2,022.84              | 89.71        | 85.18        | 9.42                    | 0.51                    | -0.43                  | -3.25                 |
| 2,092.00              | 4.34            | 41.650      | 2,085.64              | 93.42        | 88.46        | 9.98                    | 0.53                    | -0.52                  | 0.63                  |
| 2,155.00              | 4.17            | 38.480      | 2,148.47              | 97.00        | 91.47        | 10.61                   | 0.46                    | -0.27                  | -5.03                 |
| 2,218.00              | 3.86            | 38.030      | 2,211.31              | 100.46       | 94.20        | 11.35                   | 0.49                    | -0.49                  | -0.71                 |
| 2,281.00              | 3.85            | 37.780      | 2,274.17              | 103.80       | 96.80        | 12.08                   | 0.03                    | -0.02                  | -0.40                 |
| 2,344.00              | 3.60            | 33.760      | 2,337.04              | 107.12       | 99.20        | 12.93                   | 0.57                    | -0.40                  | -6.38                 |
| 2,408.00              | 3.47            | 42.160      | 2,400.92              | 110.22       | 101.61       | 13.62                   | 0.83                    | -0.20                  | 13.13                 |
| 2,470.00              | 3.12            | 43.420      | 2,462.81              | 112.84       | 104.03       | 13.94                   | 0.58                    | -0.56                  | 2.03                  |
| 2,534.00              | 3.64            | 53.700      | 2,526.70              | 115.31       | 106.87       | 13.86                   | 1.24                    | 0.81                   | 16.06                 |
| 2,597.00              | 3.82            | 53.890      | 2,589.57              | 117.73       | 110.18       | 13.44                   | 0.29                    | 0.29                   | 0.30                  |
| 2,659.00              | 3.84            | 52.160      | 2,651.43              | 120.22       | 113.48       | 13.07                   | 0.19                    | 0.03                   | -2.79                 |
| 2,722.00              | 3.76            | 60.140      | 2,714.29              | 122.54       | 116.94       | 12.48                   | 0.85                    | -0.13                  | 12.67                 |
| 2,785.00              | 3.77            | 60.250      | 2,777.16              | 124.60       | 120.53       | 11.59                   | 0.02                    | 0.02                   | 0.17                  |
| 2,848.00              | 4.49            | 61.490      | 2,839.99              | 126.80       | 124.50       | 10.57                   | 1.15                    | 1.14                   | 1.97                  |
| 2,911.00              | 4.71            | 62.980      | 2,902.79              | 129.16       | 128.97       | 9.32                    | 0.40                    | 0.35                   | 2.37                  |
| 2,975.00              | 5.61            | 60.970      | 2,966.53              | 131.87       | 134.04       | 7.92                    | 1.43                    | 1.41                   | -3.14                 |
| 3,038.00              | 5.63            | 59.850      | 3,029.23              | 134.91       | 139.41       | 6.59                    | 0.18                    | 0.03                   | -1.78                 |
| 3,101.00              | 5.24            | 62.520      | 3,091.94              | 137.79       | 144.63       | 5.22                    | 0.74                    | -0.62                  | 4.24                  |
| 3,164.00              | 5.10            | 58.860      | 3,154.69              | 140.57       | 149.58       | 3.96                    | 0.57                    | -0.22                  | -5.81                 |
| 3,227.00              | 4.79            | 57.620      | 3,217.45              | 143.43       | 154.20       | 2.98                    | 0.52                    | -0.49                  | -1.97                 |
| 3,290.00              | 4.65            | 55.620      | 3,280.24              | 146.28       | 158.53       | 2.19                    | 0.34                    | -0.22                  | -3.17                 |
| 3,353.00              | 4.34            | 55.840      | 3,343.05              | 149.06       | 162.61       | 1.52                    | 0.49                    | -0.49                  | 0.35                  |
| 3,416.00              | 3.77            | 57.910      | 3,405.89              | 151.50       | 166.34       | 0.83                    | 0.93                    | -0.90                  | 3.29                  |
| 3,479.00              | 4.35            | 50.250      | 3,468.73              | 154.12       | 169.93       | 0.37                    | 1.26                    | 0.92                   | -12.16                |
| 3,542.00              | 4.31            | 49.280      | 3,531.55              | 157.20       | 173.56       | 0.21                    | 0.13                    | -0.06                  | -1.54                 |



**Scientific Drilling, Intl**  
Survey Report



**Company:** DJR Operating  
**Project:** Blanco Wash Unit  
**Site:** I24A 2409  
**Well:** # 402H  
**Wellbore:** Original drilling  
**Design:** Original drilling

**Local Co-ordinate Reference:** Well # 402H  
**TVD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**MD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Grand Junction District

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 3,605.00              | 5.12            | 49.920      | 3,594.34              | 160.55       | 177.50       | 0.05                    | 1.29                    | 1.29                   | 1.02                  |
| 3,668.00              | 5.02            | 52.740      | 3,657.09              | 164.03       | 181.85       | -0.28                   | 0.43                    | -0.16                  | 4.48                  |
| 3,731.00              | 5.98            | 49.620      | 3,719.80              | 167.82       | 186.54       | -0.61                   | 1.60                    | 1.52                   | -4.95                 |
| 3,794.00              | 6.68            | 43.920      | 3,782.42              | 172.59       | 191.58       | -0.46                   | 1.49                    | 1.11                   | -9.05                 |
| 3,858.00              | 6.54            | 41.040      | 3,845.99              | 178.02       | 196.56       | 0.23                    | 0.56                    | -0.22                  | -4.50                 |
| 3,921.00              | 6.44            | 42.710      | 3,908.59              | 183.32       | 201.31       | 0.98                    | 0.34                    | -0.16                  | 2.65                  |
| 3,984.00              | 6.45            | 41.840      | 3,971.19              | 188.55       | 206.07       | 1.67                    | 0.16                    | 0.02                   | -1.38                 |
| 4,047.00              | 6.13            | 40.740      | 4,033.81              | 193.74       | 210.62       | 2.46                    | 0.54                    | -0.51                  | -1.75                 |
| 4,110.00              | 5.96            | 39.660      | 4,096.46              | 198.81       | 214.91       | 3.35                    | 0.32                    | -0.27                  | -1.71                 |
| 4,173.00              | 5.49            | 36.270      | 4,159.15              | 203.75       | 218.78       | 4.42                    | 0.92                    | -0.75                  | -5.38                 |
| 4,236.00              | 5.43            | 35.840      | 4,221.86              | 208.60       | 222.30       | 5.65                    | 0.12                    | -0.10                  | -0.68                 |
| 4,299.00              | 5.63            | 35.910      | 4,284.57              | 213.52       | 225.86       | 6.91                    | 0.32                    | 0.32                   | 0.11                  |
| 4,363.00              | 5.57            | 36.700      | 4,348.26              | 218.55       | 229.56       | 8.17                    | 0.15                    | -0.09                  | 1.23                  |
| 4,426.00              | 5.03            | 36.620      | 4,410.99              | 223.22       | 233.03       | 9.30                    | 0.86                    | -0.86                  | -0.13                 |
| 4,489.00              | 4.53            | 34.500      | 4,473.77              | 227.49       | 236.09       | 10.42                   | 0.84                    | -0.79                  | -3.37                 |
| 4,552.00              | 4.10            | 35.930      | 4,536.59              | 231.36       | 238.82       | 11.46                   | 0.70                    | -0.68                  | 2.27                  |
| 4,615.00              | 4.15            | 40.590      | 4,599.43              | 234.92       | 241.63       | 12.21                   | 0.54                    | 0.08                   | 7.40                  |
| 4,679.00              | 3.36            | 43.230      | 4,663.29              | 238.04       | 244.42       | 12.66                   | 1.26                    | -1.23                  | 4.13                  |
| 4,742.00              | 3.20            | 49.600      | 4,726.19              | 240.53       | 247.02       | 12.76                   | 0.63                    | -0.25                  | 10.11                 |
| 4,791.00              | 3.07            | 49.850      | 4,775.12              | 242.26       | 249.07       | 12.67                   | 0.27                    | -0.27                  | 0.51                  |
| 4,854.00              | 4.55            | 27.050      | 4,837.98              | 245.57       | 251.49       | 13.50                   | 3.32                    | 2.35                   | -36.19                |
| 4,917.00              | 9.72            | 11.000      | 4,900.48              | 253.02       | 253.65       | 17.59                   | 8.72                    | 8.21                   | -25.48                |
| 4,980.00              | 13.18           | 4.440       | 4,962.21              | 265.41       | 255.22       | 25.72                   | 5.86                    | 5.49                   | -10.41                |
| 5,043.00              | 16.66           | 358.210     | 5,023.09              | 281.60       | 255.49       | 37.55                   | 6.07                    | 5.52                   | -9.89                 |
| 5,106.00              | 22.28           | 345.780     | 5,082.48              | 302.23       | 252.27       | 55.01                   | 11.04                   | 8.92                   | -19.73                |
| 5,170.00              | 28.24           | 335.040     | 5,140.37              | 327.76       | 242.89       | 80.24                   | 11.71                   | 9.31                   | -16.78                |
| 5,233.00              | 34.50           | 326.410     | 5,194.16              | 356.17       | 226.70       | 112.17                  | 12.21                   | 9.94                   | -13.70                |
| 5,296.00              | 41.96           | 324.610     | 5,243.62              | 388.25       | 204.60       | 150.79                  | 11.97                   | 11.84                  | -2.86                 |
| 5,359.00              | 47.75           | 324.240     | 5,288.26              | 424.37       | 178.76       | 194.91                  | 9.20                    | 9.19                   | -0.59                 |
| 5,422.00              | 51.86           | 321.810     | 5,328.91              | 462.79       | 149.80       | 242.83                  | 7.16                    | 6.52                   | -3.86                 |
| 5,485.00              | 56.05           | 319.290     | 5,365.98              | 502.09       | 117.42       | 293.70                  | 7.39                    | 6.65                   | -4.00                 |
| 5,548.00              | 60.55           | 317.000     | 5,399.08              | 541.98       | 81.65        | 347.28                  | 7.78                    | 7.14                   | -3.63                 |
| 5,611.00              | 64.50           | 317.080     | 5,428.14              | 582.88       | 43.57        | 403.16                  | 6.27                    | 6.27                   | 0.13                  |
| 5,675.00              | 68.96           | 317.900     | 5,453.41              | 626.21       | 3.85         | 461.93                  | 7.07                    | 6.97                   | 1.28                  |
| 5,738.00              | 72.54           | 317.030     | 5,474.18              | 670.03       | -36.35       | 521.40                  | 5.83                    | 5.68                   | -1.38                 |
| 5,801.00              | 78.20           | 317.290     | 5,490.09              | 714.71       | -77.78       | 582.33                  | 8.99                    | 8.98                   | 0.41                  |
| 5,890.00              | 83.00           | 317.960     | 5,504.62              | 779.56       | -136.94      | 670.10                  | 5.44                    | 5.39                   | 0.75                  |
| 5,953.00              | 85.19           | 317.800     | 5,511.10              | 826.03       | -178.97      | 732.77                  | 3.49                    | 3.48                   | -0.25                 |
| 6,016.00              | 88.29           | 317.390     | 5,514.68              | 872.47       | -221.38      | 795.65                  | 4.96                    | 4.92                   | -0.65                 |
| 6,078.00              | 88.72           | 314.810     | 5,516.30              | 917.13       | -264.35      | 857.60                  | 4.22                    | 0.69                   | -4.16                 |
| 6,141.00              | 89.50           | 314.050     | 5,517.28              | 961.22       | -309.33      | 920.47                  | 1.73                    | 1.24                   | -1.21                 |
| 6,203.00              | 89.53           | 315.040     | 5,517.80              | 1,004.71     | -353.52      | 982.37                  | 1.60                    | 0.05                   | 1.60                  |
| 6,266.00              | 90.24           | 316.670     | 5,517.93              | 1,049.92     | -397.40      | 1,045.32                | 2.82                    | 1.13                   | 2.59                  |



# Scientific Drilling, Intl Survey Report



**Company:** DJR Operating  
**Project:** Blanco Wash Unit  
**Site:** I24A 2409  
**Well:** # 402H  
**Wellbore:** Original drilling  
**Design:** Original drilling

**Local Co-ordinate Reference:** Well # 402H  
**TVD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**MD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Grand Junction District

## Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 6,329.00              | 89.97           | 316.650     | 5,517.82              | 1,095.74     | -440.63      | 1,108.31                | 0.43                    | -0.43                  | -0.03                 |
| 6,392.00              | 89.53           | 316.030     | 5,518.09              | 1,141.31     | -484.13      | 1,171.29                | 1.21                    | -0.70                  | -0.98                 |
| 6,454.00              | 90.47           | 317.060     | 5,518.09              | 1,186.32     | -526.77      | 1,233.27                | 2.25                    | 1.52                   | 1.66                  |
| 6,517.00              | 89.73           | 316.510     | 5,517.98              | 1,232.23     | -569.91      | 1,296.26                | 1.46                    | -1.17                  | -0.87                 |
| 6,579.00              | 90.30           | 316.460     | 5,517.96              | 1,277.19     | -612.60      | 1,358.24                | 0.92                    | 0.92                   | -0.08                 |
| 6,642.00              | 89.33           | 314.570     | 5,518.17              | 1,322.14     | -656.74      | 1,421.18                | 3.37                    | -1.54                  | -3.00                 |
| 6,705.00              | 90.13           | 314.520     | 5,518.46              | 1,366.33     | -701.64      | 1,484.07                | 1.27                    | 1.27                   | -0.08                 |
| 6,768.00              | 89.63           | 313.680     | 5,518.60              | 1,410.17     | -746.88      | 1,546.93                | 1.55                    | -0.79                  | -1.33                 |
| 6,830.00              | 90.13           | 314.550     | 5,518.73              | 1,453.33     | -791.39      | 1,608.80                | 1.62                    | 0.81                   | 1.40                  |
| 6,893.00              | 89.56           | 314.010     | 5,518.90              | 1,497.31     | -836.50      | 1,671.67                | 1.25                    | -0.90                  | -0.86                 |
| 6,956.00              | 89.66           | 316.120     | 5,519.33              | 1,541.91     | -880.99      | 1,734.59                | 3.35                    | 0.16                   | 3.35                  |
| 7,019.00              | 89.83           | 316.210     | 5,519.61              | 1,587.35     | -924.62      | 1,797.56                | 0.31                    | 0.27                   | 0.14                  |
| 7,081.00              | 90.03           | 315.490     | 5,519.68              | 1,631.84     | -967.81      | 1,859.52                | 1.21                    | 0.32                   | -1.16                 |
| 7,144.00              | 89.70           | 315.040     | 5,519.83              | 1,676.59     | -1,012.15    | 1,922.46                | 0.89                    | -0.52                  | -0.71                 |
| 7,207.00              | 89.76           | 314.410     | 5,520.13              | 1,720.92     | -1,056.91    | 1,985.36                | 1.00                    | 0.10                   | -1.00                 |
| 7,270.00              | 90.03           | 313.970     | 5,520.24              | 1,764.84     | -1,102.08    | 2,048.23                | 0.82                    | 0.43                   | -0.70                 |
| 7,332.00              | 89.80           | 315.670     | 5,520.33              | 1,808.54     | -1,146.06    | 2,110.14                | 2.77                    | -0.37                  | 2.74                  |
| 7,395.00              | 89.83           | 316.460     | 5,520.54              | 1,853.91     | -1,189.77    | 2,173.10                | 1.25                    | 0.05                   | 1.25                  |
| 7,458.00              | 89.76           | 315.640     | 5,520.76              | 1,899.26     | -1,233.49    | 2,236.07                | 1.31                    | -0.11                  | -1.30                 |
| 7,521.00              | 89.97           | 315.550     | 5,520.91              | 1,944.27     | -1,277.57    | 2,299.02                | 0.36                    | 0.33                   | -0.14                 |
| 7,583.00              | 88.96           | 316.250     | 5,521.49              | 1,988.79     | -1,320.72    | 2,360.98                | 1.98                    | -1.63                  | 1.13                  |
| 7,646.00              | 88.89           | 316.340     | 5,522.67              | 2,034.33     | -1,364.24    | 2,423.94                | 0.18                    | -0.11                  | 0.14                  |
| 7,709.00              | 89.26           | 315.580     | 5,523.69              | 2,079.61     | -1,408.03    | 2,486.90                | 1.34                    | 0.59                   | -1.21                 |
| 7,772.00              | 89.33           | 315.510     | 5,524.46              | 2,124.57     | -1,452.15    | 2,549.84                | 0.16                    | 0.11                   | -0.11                 |
| 7,835.00              | 89.26           | 314.810     | 5,525.24              | 2,169.24     | -1,496.57    | 2,612.77                | 1.12                    | -0.11                  | -1.11                 |
| 7,897.00              | 89.26           | 314.370     | 5,526.04              | 2,212.76     | -1,540.72    | 2,674.66                | 0.71                    | 0.00                   | -0.71                 |
| 7,960.00              | 89.30           | 314.380     | 5,526.83              | 2,256.82     | -1,585.74    | 2,737.54                | 0.07                    | 0.06                   | 0.02                  |
| 8,023.00              | 89.19           | 315.660     | 5,527.66              | 2,301.38     | -1,630.27    | 2,800.45                | 2.04                    | -0.17                  | 2.03                  |
| 8,086.00              | 89.33           | 315.550     | 5,528.48              | 2,346.39     | -1,674.34    | 2,863.40                | 0.28                    | 0.22                   | -0.17                 |
| 8,148.00              | 90.13           | 316.760     | 5,528.77              | 2,391.10     | -1,717.29    | 2,925.36                | 2.34                    | 1.29                   | 1.95                  |
| 8,211.00              | 90.20           | 316.510     | 5,528.59              | 2,436.90     | -1,760.55    | 2,988.35                | 0.41                    | 0.11                   | -0.40                 |
| 8,274.00              | 90.37           | 315.860     | 5,528.27              | 2,482.36     | -1,804.16    | 3,051.32                | 1.07                    | 0.27                   | -1.03                 |
| 8,337.00              | 90.20           | 315.500     | 5,527.96              | 2,527.43     | -1,848.18    | 3,114.27                | 0.63                    | -0.27                  | -0.57                 |
| 8,401.00              | 90.77           | 315.990     | 5,527.42              | 2,573.27     | -1,892.84    | 3,178.23                | 1.17                    | 0.89                   | 0.77                  |
| 8,464.00              | 90.87           | 315.850     | 5,526.52              | 2,618.52     | -1,936.66    | 3,241.18                | 0.27                    | 0.16                   | -0.22                 |
| 8,527.00              | 91.14           | 315.040     | 5,525.41              | 2,663.41     | -1,980.85    | 3,304.11                | 1.36                    | 0.43                   | -1.29                 |
| 8,590.00              | 90.27           | 314.920     | 5,524.64              | 2,707.94     | -2,025.41    | 3,367.03                | 1.39                    | -1.38                  | -0.19                 |
| 8,653.00              | 90.94           | 315.170     | 5,523.97              | 2,752.52     | -2,069.92    | 3,429.95                | 1.14                    | 1.06                   | 0.40                  |
| 8,715.00              | 91.04           | 314.910     | 5,522.90              | 2,796.38     | -2,113.73    | 3,491.86                | 0.45                    | 0.16                   | -0.42                 |
| 8,778.00              | 91.11           | 314.450     | 5,521.72              | 2,840.67     | -2,158.52    | 3,554.75                | 0.74                    | 0.11                   | -0.73                 |
| 8,840.00              | 90.13           | 313.280     | 5,521.05              | 2,883.63     | -2,203.21    | 3,616.59                | 2.46                    | -1.58                  | -1.89                 |
| 8,903.00              | 88.22           | 312.520     | 5,521.95              | 2,926.51     | -2,249.35    | 3,679.35                | 3.26                    | -3.03                  | -1.21                 |
| 8,966.00              | 89.06           | 313.950     | 5,523.45              | 2,969.65     | -2,295.24    | 3,742.12                | 2.63                    | 1.33                   | 2.27                  |
| 9,030.00              | 90.60           | 315.490     | 5,523.64              | 3,014.68     | -2,340.71    | 3,806.02                | 3.40                    | 2.41                   | 2.41                  |



Scientific Drilling, Intl  
Survey Report



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Project: Blanco Wash Unit  
Site: I24A 2409  
Well: # 402H  
Wellbore: Original drilling  
Design: Original drilling

Local Co-ordinate Reference: Well # 402H  
TVD Reference: GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
MD Reference: GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: Grand Junction District

Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,093.00              | 90.54           | 314.990     | 5,523.01              | 3,059.41     | -2,385.07    | 3,868.95                | 0.80                    | -0.10                  | -0.79                 |
| 9,155.00              | 88.15           | 314.710     | 5,523.72              | 3,103.13     | -2,429.02    | 3,930.85                | 3.88                    | -3.85                  | -0.45                 |
| 9,219.00              | 89.30           | 316.110     | 5,525.15              | 3,148.70     | -2,473.94    | 3,994.77                | 2.83                    | 1.80                   | 2.19                  |
| 9,281.00              | 90.50           | 316.990     | 5,525.25              | 3,193.71     | -2,516.57    | 4,056.75                | 2.40                    | 1.94                   | 1.42                  |
| 9,344.00              | 88.72           | 316.460     | 5,525.68              | 3,239.57     | -2,559.76    | 4,119.74                | 2.95                    | -2.83                  | -0.84                 |
| 9,406.00              | 88.25           | 316.370     | 5,527.32              | 3,284.47     | -2,602.49    | 4,181.70                | 0.77                    | -0.76                  | -0.15                 |
| 9,469.00              | 89.46           | 316.510     | 5,528.58              | 3,330.11     | -2,645.89    | 4,244.66                | 1.93                    | 1.92                   | 0.22                  |
| 9,531.00              | 90.70           | 315.750     | 5,528.49              | 3,374.81     | -2,688.86    | 4,306.63                | 2.35                    | 2.00                   | -1.23                 |
| 9,594.00              | 90.03           | 314.240     | 5,528.09              | 3,419.35     | -2,733.41    | 4,369.55                | 2.62                    | -1.06                  | -2.40                 |
| 9,656.00              | 91.68           | 315.930     | 5,527.17              | 3,463.24     | -2,777.17    | 4,431.46                | 3.81                    | 2.66                   | 2.73                  |
| 9,720.00              | 92.75           | 316.330     | 5,524.69              | 3,509.35     | -2,821.49    | 4,495.38                | 1.78                    | 1.67                   | 0.63                  |
| 9,783.00              | 91.44           | 317.270     | 5,522.39              | 3,555.24     | -2,864.59    | 4,558.33                | 2.56                    | -2.08                  | 1.49                  |
| 9,845.00              | 90.50           | 317.430     | 5,521.34              | 3,600.83     | -2,906.59    | 4,620.32                | 1.54                    | -1.52                  | 0.26                  |
| 9,908.00              | 90.24           | 316.700     | 5,520.93              | 3,646.96     | -2,949.50    | 4,683.31                | 1.23                    | -0.41                  | -1.16                 |
| 9,970.00              | 88.82           | 316.480     | 5,521.44              | 3,691.99     | -2,992.11    | 4,745.29                | 2.32                    | -2.29                  | -0.35                 |
| 10,032.00             | 88.66           | 316.630     | 5,522.81              | 3,737.00     | -3,034.73    | 4,807.26                | 0.35                    | -0.26                  | 0.24                  |
| 10,095.00             | 87.85           | 315.920     | 5,524.73              | 3,782.50     | -3,078.26    | 4,870.20                | 1.71                    | -1.29                  | -1.13                 |
| 10,158.00             | 88.93           | 315.950     | 5,526.50              | 3,827.75     | -3,122.05    | 4,933.14                | 1.71                    | 1.71                   | 0.05                  |
| 10,220.00             | 88.72           | 315.150     | 5,527.77              | 3,872.00     | -3,165.46    | 4,995.07                | 1.33                    | -0.34                  | -1.29                 |
| 10,284.00             | 88.62           | 314.460     | 5,529.25              | 3,917.09     | -3,210.86    | 5,058.96                | 1.09                    | -0.16                  | -1.08                 |
| 10,347.00             | 89.09           | 314.300     | 5,530.51              | 3,961.15     | -3,255.87    | 5,121.83                | 0.79                    | 0.75                   | -0.25                 |
| 10,409.00             | 88.49           | 313.370     | 5,531.82              | 4,004.08     | -3,300.59    | 5,183.66                | 1.78                    | -0.97                  | -1.50                 |
| 10,472.00             | 88.45           | 312.940     | 5,533.50              | 4,047.15     | -3,346.53    | 5,246.43                | 0.69                    | -0.06                  | -0.68                 |
| 10,535.00             | 88.93           | 314.930     | 5,534.94              | 4,090.85     | -3,391.88    | 5,309.26                | 3.25                    | 0.76                   | 3.16                  |
| 10,596.00             | 88.99           | 314.340     | 5,536.05              | 4,133.70     | -3,435.28    | 5,370.15                | 0.97                    | 0.10                   | -0.97                 |
| 10,657.00             | 89.03           | 313.830     | 5,537.10              | 4,176.13     | -3,479.09    | 5,431.01                | 0.84                    | 0.07                   | -0.84                 |
| 10,717.00             | 89.97           | 313.780     | 5,537.63              | 4,217.66     | -3,522.39    | 5,490.85                | 1.57                    | 1.57                   | -0.08                 |
| 10,778.00             | 89.87           | 313.890     | 5,537.71              | 4,259.91     | -3,566.39    | 5,551.70                | 0.24                    | -0.16                  | 0.18                  |
| 10,838.00             | 88.52           | 315.910     | 5,538.56              | 4,302.26     | -3,608.89    | 5,611.61                | 4.05                    | -2.25                  | 3.37                  |
| 10,899.00             | 88.69           | 318.090     | 5,540.04              | 4,346.85     | -3,650.47    | 5,672.58                | 3.58                    | 0.28                   | 3.57                  |
| 10,960.00             | 89.77           | 318.550     | 5,540.86              | 4,392.41     | -3,691.03    | 5,733.57                | 1.92                    | 1.77                   | 0.75                  |
| 11,020.00             | 91.78           | 319.110     | 5,540.05              | 4,437.57     | -3,730.53    | 5,793.55                | 3.48                    | 3.35                   | 0.93                  |
| 11,081.00             | 91.21           | 317.530     | 5,538.46              | 4,483.11     | -3,771.07    | 5,854.53                | 2.75                    | -0.93                  | -2.59                 |
| 11,142.00             | 89.33           | 316.280     | 5,538.17              | 4,527.65     | -3,812.75    | 5,915.51                | 3.70                    | -3.08                  | -2.05                 |
| 11,203.00             | 89.03           | 315.530     | 5,539.04              | 4,571.45     | -3,855.19    | 5,976.47                | 1.32                    | -0.49                  | -1.23                 |
| 11,264.00             | 88.66           | 314.990     | 5,540.27              | 4,614.77     | -3,898.12    | 6,037.39                | 1.07                    | -0.61                  | -0.89                 |
| 11,325.00             | 89.40           | 314.220     | 5,541.31              | 4,657.60     | -3,941.54    | 6,098.28                | 1.75                    | 1.21                   | -1.26                 |
| 11,385.00             | 89.66           | 314.450     | 5,541.80              | 4,699.53     | -3,984.45    | 6,158.17                | 0.58                    | 0.43                   | 0.38                  |
| 11,445.00             | 90.13           | 313.930     | 5,541.91              | 4,741.35     | -4,027.48    | 6,218.04                | 1.17                    | 0.78                   | -0.87                 |
| 11,506.00             | 89.60           | 313.020     | 5,542.05              | 4,783.32     | -4,071.74    | 6,278.86                | 1.73                    | -0.87                  | -1.49                 |
| 11,566.00             | 89.90           | 312.500     | 5,542.31              | 4,824.06     | -4,115.79    | 6,338.62                | 1.00                    | 0.50                   | -0.87                 |
| 11,626.00             | 89.73           | 314.630     | 5,542.51              | 4,865.40     | -4,159.27    | 6,398.45                | 3.56                    | -0.28                  | 3.55                  |
| 11,687.00             | 90.30           | 315.350     | 5,542.49              | 4,908.53     | -4,202.41    | 6,459.37                | 1.51                    | 0.93                   | 1.18                  |



**Scientific Drilling, Intl**  
Survey Report



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**Project:** Blanco Wash Unit  
**Site:** I24A 2409  
**Well:** # 402H  
**Wellbore:** Original drilling  
**Design:** Original drilling

**Local Co-ordinate Reference:** Well # 402H  
**TVD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**MD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Grand Junction District

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 11,747.00             | 90.50           | 316.290     | 5,542.07              | 4,951.56     | -4,244.22    | 6,519.33                | 1.60                    | 0.33                   | 1.57                  |
| 11,808.00             | 88.79           | 316.180     | 5,542.45              | 4,995.61     | -4,286.41    | 6,580.30                | 2.81                    | -2.80                  | -0.18                 |
| 11,869.00             | 89.16           | 316.010     | 5,543.54              | 5,039.55     | -4,328.71    | 6,641.26                | 0.67                    | 0.61                   | -0.28                 |
| 11,930.00             | 89.83           | 315.790     | 5,544.08              | 5,083.36     | -4,371.15    | 6,702.22                | 1.16                    | 1.10                   | -0.36                 |
| 11,991.00             | 88.66           | 314.670     | 5,544.88              | 5,126.66     | -4,414.11    | 6,763.15                | 2.66                    | -1.92                  | -1.84                 |
| 12,052.00             | 88.86           | 314.850     | 5,546.20              | 5,169.60     | -4,457.41    | 6,824.04                | 0.44                    | 0.33                   | 0.30                  |
| 12,112.00             | 89.33           | 314.350     | 5,547.15              | 5,211.72     | -4,500.13    | 6,883.93                | 1.14                    | 0.78                   | -0.83                 |
| 12,172.00             | 90.40           | 313.740     | 5,547.29              | 5,253.43     | -4,543.26    | 6,943.80                | 2.05                    | 1.78                   | -1.02                 |
| 12,233.00             | 89.73           | 314.200     | 5,547.22              | 5,295.79     | -4,587.16    | 7,004.66                | 1.33                    | -1.10                  | 0.75                  |
| 12,294.00             | 90.34           | 314.090     | 5,547.19              | 5,338.27     | -4,630.93    | 7,065.53                | 1.02                    | 1.00                   | -0.18                 |
| 12,356.00             | 88.66           | 314.200     | 5,547.73              | 5,381.45     | -4,675.42    | 7,127.39                | 2.72                    | -2.71                  | 0.18                  |
| 12,417.00             | 88.72           | 314.460     | 5,549.12              | 5,424.06     | -4,719.04    | 7,188.26                | 0.44                    | 0.10                   | 0.43                  |
| 12,478.00             | 89.63           | 314.540     | 5,550.00              | 5,466.81     | -4,762.54    | 7,249.14                | 1.50                    | 1.49                   | 0.13                  |
| 12,538.00             | 90.40           | 314.440     | 5,549.98              | 5,508.86     | -4,805.34    | 7,309.04                | 1.29                    | 1.28                   | -0.17                 |
| 12,599.00             | 90.00           | 315.140     | 5,549.77              | 5,551.84     | -4,848.64    | 7,369.95                | 1.32                    | -0.66                  | 1.15                  |
| 12,659.00             | 90.27           | 315.880     | 5,549.63              | 5,594.64     | -4,890.68    | 7,429.89                | 1.31                    | 0.45                   | 1.23                  |
| 12,720.00             | 89.66           | 316.000     | 5,549.67              | 5,638.47     | -4,933.10    | 7,490.86                | 1.02                    | -1.00                  | 0.20                  |
| 12,781.00             | 89.83           | 316.550     | 5,549.94              | 5,682.55     | -4,975.26    | 7,551.83                | 0.94                    | 0.28                   | 0.90                  |
| 12,842.00             | 88.99           | 317.240     | 5,550.57              | 5,727.09     | -5,016.94    | 7,612.82                | 1.78                    | -1.38                  | 1.13                  |
| 12,903.00             | 89.40           | 317.290     | 5,551.42              | 5,771.89     | -5,058.34    | 7,673.81                | 0.68                    | 0.67                   | 0.08                  |
| 12,963.00             | 86.64           | 315.960     | 5,553.50              | 5,815.47     | -5,099.51    | 7,733.75                | 5.11                    | -4.60                  | -2.22                 |
| 13,024.00             | 87.48           | 316.040     | 5,556.62              | 5,859.29     | -5,141.83    | 7,794.64                | 1.38                    | 1.38                   | 0.13                  |
| 13,085.00             | 87.82           | 315.980     | 5,559.13              | 5,903.14     | -5,184.16    | 7,855.56                | 0.57                    | 0.56                   | -0.10                 |
| 13,146.00             | 88.72           | 315.070     | 5,560.97              | 5,946.65     | -5,226.88    | 7,916.48                | 2.10                    | 1.48                   | -1.49                 |
| 13,207.00             | 88.93           | 315.220     | 5,562.22              | 5,989.88     | -5,269.89    | 7,977.39                | 0.42                    | 0.34                   | 0.25                  |
| 13,269.00             | 89.83           | 316.770     | 5,562.89              | 6,034.47     | -5,312.96    | 8,039.35                | 2.89                    | 1.45                   | 2.50                  |
| 13,329.00             | 90.30           | 316.440     | 5,562.82              | 6,078.07     | -5,354.18    | 8,099.34                | 0.96                    | 0.78                   | -0.55                 |
| 13,392.00             | 90.40           | 315.850     | 5,562.44              | 6,123.50     | -5,397.83    | 8,162.31                | 0.95                    | 0.16                   | -0.94                 |
| 13,452.00             | 89.06           | 314.680     | 5,562.72              | 6,166.12     | -5,440.06    | 8,222.24                | 2.96                    | -2.23                  | -1.95                 |
| 13,513.00             | 89.43           | 314.290     | 5,563.52              | 6,208.86     | -5,483.57    | 8,283.13                | 0.88                    | 0.61                   | -0.64                 |
| 13,574.00             | 90.00           | 313.820     | 5,563.83              | 6,251.27     | -5,527.41    | 8,343.99                | 1.21                    | 0.93                   | -0.77                 |
| 13,635.00             | 90.91           | 313.590     | 5,563.34              | 6,293.42     | -5,571.51    | 8,404.83                | 1.54                    | 1.49                   | -0.38                 |
| 13,695.00             | 88.49           | 314.440     | 5,563.66              | 6,335.11     | -5,614.65    | 8,464.68                | 4.27                    | -4.03                  | 1.42                  |
| 13,757.00             | 88.79           | 314.140     | 5,565.13              | 6,378.39     | -5,659.02    | 8,526.54                | 0.68                    | 0.48                   | -0.48                 |
| 13,818.00             | 90.10           | 315.690     | 5,565.72              | 6,421.45     | -5,702.21    | 8,587.46                | 3.33                    | 2.15                   | 2.54                  |
| 13,879.00             | 90.44           | 315.160     | 5,565.43              | 6,464.90     | -5,745.02    | 8,648.40                | 1.03                    | 0.56                   | -0.87                 |
| 13,939.00             | 88.08           | 313.340     | 5,566.21              | 6,506.76     | -5,787.99    | 8,708.27                | 4.97                    | -3.93                  | -3.03                 |
| 14,000.00             | 88.32           | 313.240     | 5,568.12              | 6,548.57     | -5,832.37    | 8,769.04                | 0.43                    | 0.39                   | -0.16                 |
| 14,061.00             | 88.56           | 314.910     | 5,569.78              | 6,590.98     | -5,876.18    | 8,829.88                | 2.76                    | 0.39                   | 2.74                  |
| 14,122.00             | 90.10           | 315.280     | 5,570.50              | 6,634.19     | -5,919.24    | 8,890.80                | 2.60                    | 2.52                   | 0.61                  |
| 14,184.00             | 90.64           | 315.050     | 5,570.10              | 6,678.15     | -5,962.95    | 8,952.73                | 0.95                    | 0.87                   | -0.37                 |
| 14,244.00             | 91.38           | 314.690     | 5,569.04              | 6,720.47     | -6,005.47    | 9,012.64                | 1.37                    | 1.23                   | -0.60                 |
| 14,306.00             | 88.56           | 313.410     | 5,569.07              | 6,763.58     | -6,050.02    | 9,074.49                | 4.99                    | -4.55                  | -2.06                 |



## Scientific Drilling, Intl

### Survey Report



**Company:** DJR Operating  
**Project:** Blanco Wash Unit  
**Site:** I24A 2409  
**Well:** # 402H  
**Wellbore:** Original drilling  
**Design:** Original drilling

**Local Co-ordinate Reference:** Well # 402H  
**TVD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**MD Reference:** GL 6892' & RKB 14' @ 6906.00usft (Aztec 920)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Grand Junction District

#### Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 14,367.00             | 88.86           | 314.410     | 5,570.44              | 6,805.87     | -6,093.96    | 9,135.33                | 1.71                    | 0.49                   | 1.64                  |
| 14,428.00             | 89.33           | 315.720     | 5,571.41              | 6,849.05     | -6,137.03    | 9,196.25                | 2.28                    | 0.77                   | 2.15                  |
| 14,488.00             | 89.90           | 314.610     | 5,571.81              | 6,891.59     | -6,179.34    | 9,256.18                | 2.08                    | 0.95                   | -1.85                 |
| 14,549.00             | 90.20           | 314.180     | 5,571.76              | 6,934.27     | -6,222.92    | 9,317.06                | 0.86                    | 0.49                   | -0.70                 |
| 14,610.00             | 90.50           | 315.320     | 5,571.38              | 6,977.21     | -6,266.24    | 9,377.97                | 1.93                    | 0.49                   | 1.87                  |
| 14,670.00             | 88.99           | 315.950     | 5,571.65              | 7,020.10     | -6,308.19    | 9,437.92                | 2.73                    | -2.52                  | 1.05                  |
| 14,731.00             | 88.96           | 315.420     | 5,572.74              | 7,063.74     | -6,350.80    | 9,498.87                | 0.87                    | -0.05                  | -0.87                 |
| 14,792.00             | 88.96           | 314.610     | 5,573.85              | 7,106.88     | -6,393.92    | 9,559.78                | 1.33                    | 0.00                   | -1.33                 |
| 14,853.00             | 89.26           | 314.140     | 5,574.80              | 7,149.54     | -6,437.51    | 9,620.66                | 0.91                    | 0.49                   | -0.77                 |
| 14,913.00             | 89.40           | 316.170     | 5,575.50              | 7,192.07     | -6,479.82    | 9,680.58                | 3.39                    | 0.23                   | 3.38                  |
| 14,975.00             | 89.70           | 315.490     | 5,575.99              | 7,236.54     | -6,523.02    | 9,742.54                | 1.20                    | 0.48                   | -1.10                 |
| 15,036.00             | 88.39           | 316.730     | 5,577.00              | 7,280.49     | -6,565.30    | 9,803.50                | 2.96                    | -2.15                  | 2.03                  |
| 15,097.00             | 88.72           | 316.190     | 5,578.54              | 7,324.70     | -6,607.31    | 9,864.46                | 1.04                    | 0.54                   | -0.89                 |
| 15,158.00             | 89.80           | 316.050     | 5,579.33              | 7,368.66     | -6,649.59    | 9,925.43                | 1.79                    | 1.77                   | -0.23                 |
| 15,219.00             | 89.93           | 317.580     | 5,579.47              | 7,413.14     | -6,691.33    | 9,986.41                | 2.52                    | 0.21                   | 2.51                  |
| 15,281.00             | 90.34           | 317.440     | 5,579.33              | 7,458.86     | -6,733.21    | 10,048.41               | 0.70                    | 0.66                   | -0.23                 |
| 15,341.00             | 91.04           | 317.040     | 5,578.60              | 7,502.91     | -6,773.94    | 10,108.40               | 1.34                    | 1.17                   | -0.67                 |
| 15,403.00             | 91.34           | 316.160     | 5,577.32              | 7,547.94     | -6,816.53    | 10,170.37               | 1.50                    | 0.48                   | -1.42                 |
| 15,465.00             | 89.19           | 315.750     | 5,577.03              | 7,592.50     | -6,859.63    | 10,232.33               | 3.53                    | -3.47                  | -0.66                 |
| 15,528.00             | 89.66           | 315.440     | 5,577.66              | 7,637.51     | -6,903.71    | 10,295.28               | 0.89                    | 0.75                   | -0.49                 |
| 15,582.00             | 90.37           | 314.780     | 5,577.65              | 7,675.77     | -6,941.82    | 10,349.22               | 1.80                    | 1.31                   | -1.22                 |
| 15,634.00             | 90.37           | 314.780     | 5,577.31              | 7,712.39     | -6,978.73    | 10,401.14               | 0.00                    | 0.00                   | 0.00                  |

#### Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                      |
|-----------------------|-----------------------|-------------------|--------------|------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                              |
| 441.00                | 440.98                | -0.94             | -3.29        | First SDI Surface MWD Survey |
| 4,791.00              | 4,775.12              | 242.26            | 249.07       | Last SDI Surface MWD Survey  |
| 4,854.00              | 4,837.98              | 245.57            | 251.49       | First SDI Curve MWD Survey   |
| 5,801.00              | 5,490.09              | 714.71            | -77.78       | Last SDI Curve MWD Survey    |
| 5,890.00              | 5,504.62              | 779.56            | -136.94      | First SDI Lateral MWD Survey |
| 15,582.00             | 5,577.65              | 7,675.77          | -6,941.82    | Last SDI Lateral MWD Survey  |
| 15,634.00             | 5,577.31              | 7,712.39          | -6,978.73    | Projection to TD             |

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