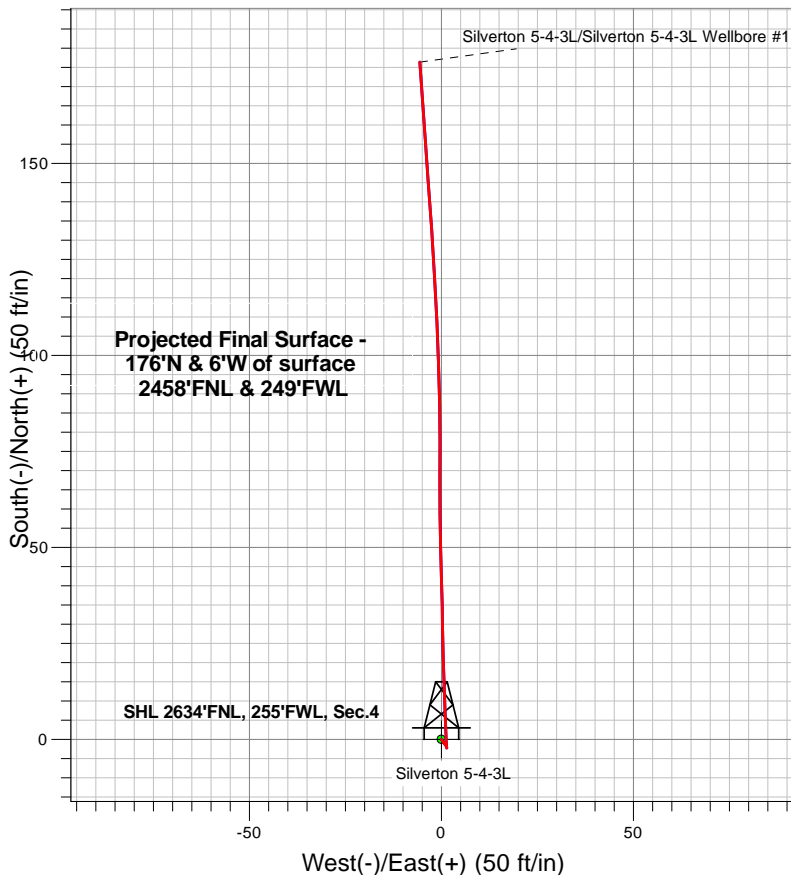




## Confluence Resources



### LEGEND

-  Silverton 5-4-3L Wellbore #1
-  Survey #1

## Final Surface Survey Plot

**Projected Final Surface Survey -  
1592'MD & 1572' TVD @ 16.8 deg Inc  
356.0 deg AZ**

Project: SEC.4-T4N-R63W  
 Site: Silverton Pad Sec.4-T4N-R63W  
 Well: Silverton 5-4-3L  
 Plan: Silverton 5-4-3L Wellbore #1



## **Confluence Resources**

**SEC.4-T4N-R63W**

**Silverton Pad Sec.4-T4N-R63W**

**Silverton 5-4-3L**

**Silverton 5-4-3L Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**02 March, 2020**

<b>Company:</b>	Confluence Resources	<b>Local Co-ordinate Reference:</b>	Well Silverton 5-4-3L
<b>Project:</b>	SEC.4-T4N-R63W	<b>TVD Reference:</b>	WELL @ 4641.0ft
<b>Site:</b>	Silverton Pad Sec.4-T4N-R63W	<b>MD Reference:</b>	WELL @ 4641.0ft
<b>Well:</b>	Silverton 5-4-3L	<b>North Reference:</b>	True
<b>Wellbore:</b>	Silverton 5-4-3L Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Silverton 5-4-3L Wellbore #1	<b>Database:</b>	US_EDM

<b>Project</b>	SEC.4-T4N-R63W, Weld County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site		Silverton Pad Sec.4-T4N-R63W			
Site Position:		Northing:	1,369,035.30 usft	Latitude:	40.341660
From:	Lat/Long	Easting:	3,292,259.81 usft	Longitude:	-104.451510
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.68 °

Well	Silverton 5-4-3L					
Well Position	+N/-S	0.0 ft	Northing:	1,368,962.44 usft	Latitude:	40.341460
	+E/-W	0.0 ft	Easting:	3,292,260.67 usft	Longitude:	-104.451510
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,628.0 ft

<b>Wellbore</b>	Silverton 5-4-3L Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	2/19/2020	7.98	66.85	52,090

<b>Design</b>	Silverton 5-4-3L Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	358.18	

<b>Survey Program</b>	<b>Date</b>	3/2/2020			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
100.0	1,592.0	Survey #1 (Silverton 5-4-3L Wellbore #1)		MWD - Standard	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
175.0	0.40	140.90	175.0	-0.2	0.2	-0.2	0.53	0.53	0.00	
205.0	0.30	170.80	205.0	-0.4	0.2	-0.4	0.68	-0.33	99.67	
235.0	0.40	151.60	235.0	-0.5	0.3	-0.5	0.51	0.33	-64.00	
265.0	0.40	143.50	265.0	-0.7	0.4	-0.7	0.19	0.00	-27.00	
296.0	0.40	144.60	296.0	-0.9	0.5	-0.9	0.02	0.00	3.55	
326.0	0.40	135.10	326.0	-1.0	0.7	-1.1	0.22	0.00	-31.67	
371.0	0.40	136.80	371.0	-1.3	0.9	-1.3	0.03	0.00	3.78	
416.0	0.30	144.20	416.0	-1.5	1.1	-1.5	0.24	-0.22	16.44	

<b>Company:</b>	Confluence Resources	<b>Local Co-ordinate Reference:</b>	Well Silverton 5-4-3L
<b>Project:</b>	SEC.4-T4N-R63W	<b>TVD Reference:</b>	WELL @ 4641.0ft
<b>Site:</b>	Silverton Pad Sec.4-T4N-R63W	<b>MD Reference:</b>	WELL @ 4641.0ft
<b>Well:</b>	Silverton 5-4-3L	<b>North Reference:</b>	True
<b>Wellbore:</b>	Silverton 5-4-3L Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Silverton 5-4-3L Wellbore #1	<b>Database:</b>	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
461.0	0.40	153.50	461.0	-1.7	1.2	-1.8	0.25	0.22	20.67
506.0	0.40	164.80	506.0	-2.0	1.3	-2.0	0.18	0.00	25.11
550.0	0.30	167.40	550.0	-2.3	1.4	-2.3	0.23	-0.23	5.91
595.0	0.50	347.60	595.0	-2.2	1.4	-2.2	1.78	0.44	-399.56
639.0	1.30	357.40	639.0	-1.5	1.3	-1.5	1.84	1.82	22.27
684.0	2.40	358.10	684.0	-0.1	1.3	-0.1	2.44	2.44	1.56
729.0	3.70	358.10	728.9	2.3	1.2	2.3	2.89	2.89	0.00
774.0	5.00	356.90	773.8	5.7	1.0	5.7	2.90	2.89	-2.67
819.0	6.30	357.60	818.5	10.2	0.8	10.1	2.89	2.89	1.56
864.0	7.50	358.10	863.2	15.6	0.6	15.5	2.67	2.67	1.11
908.0	7.80	359.40	906.8	21.4	0.5	21.4	0.79	0.68	2.95
953.0	8.50	358.50	951.4	27.8	0.4	27.8	1.58	1.56	-2.00
998.0	9.50	358.50	995.8	34.8	0.2	34.8	2.22	2.22	0.00
1,039.0	10.00	358.30	1,036.2	41.8	0.0	41.8	1.22	1.22	-0.49
1,083.0	10.90	358.70	1,079.5	49.8	-0.2	49.7	2.05	2.05	0.91
1,128.0	11.60	359.20	1,123.6	58.5	-0.4	58.5	1.57	1.56	1.11
1,172.0	11.90	0.40	1,166.7	67.5	-0.4	67.5	0.88	0.68	2.73
1,217.0	12.40	0.10	1,210.7	77.0	-0.4	76.9	1.12	1.11	-0.67
1,262.0	13.30	358.80	1,254.6	87.0	-0.5	87.0	2.10	2.00	-2.89
1,306.0	14.00	358.30	1,297.3	97.4	-0.7	97.3	1.61	1.59	-1.14
1,351.0	14.90	357.30	1,340.9	108.6	-1.2	108.6	2.08	2.00	-2.22
1,395.0	15.90	356.60	1,383.3	120.2	-1.8	120.2	2.31	2.27	-1.59
1,440.0	16.60	356.20	1,426.5	132.8	-2.6	132.8	1.58	1.56	-0.89
1,484.0	16.50	356.00	1,468.7	145.3	-3.4	145.4	0.26	-0.23	-0.45
1,522.0	16.80	356.00	1,505.1	156.2	-4.2	156.2	0.79	0.79	0.00
1,592.0	16.80	356.00	1,572.1	176.4	-5.6	176.5	0.00	0.00	0.00

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