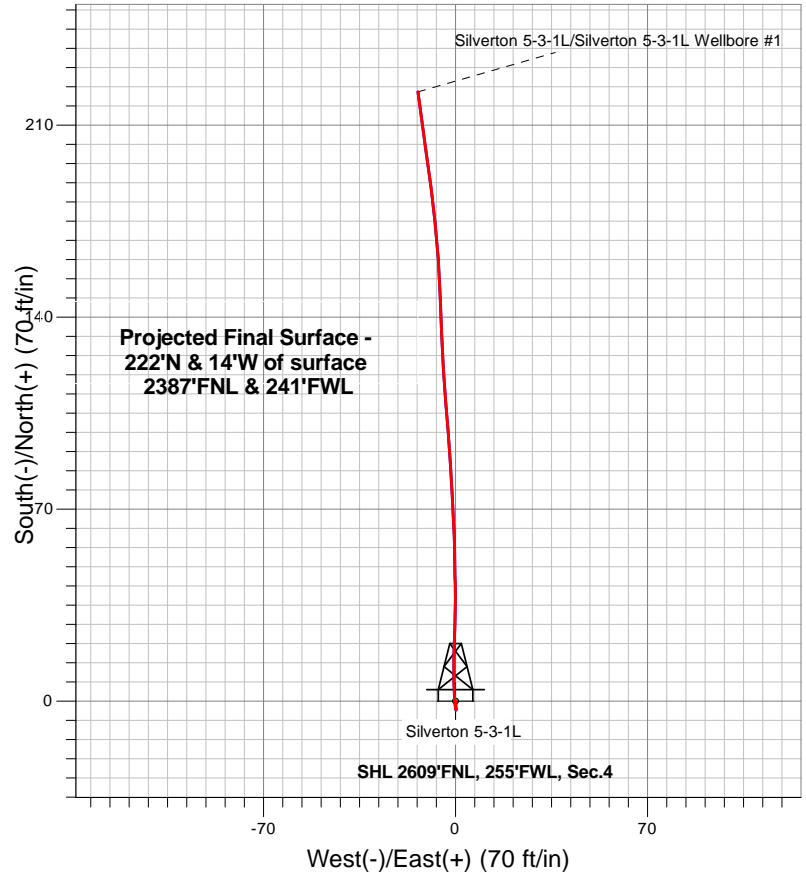


## Confluence Resources



### LEGEND

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

## Final Surface Survey Plot

**Projected Final Surface Survey -  
 1592'MD & 1563' TVD @ 17.0 deg Inc  
 352.20 deg AZ**

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



## **Confluence Resources**

**SEC.4-T4N-R63W**

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

**Silverton 5-3-1L**

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

**Survey: Survey #1**

## **Standard Survey Report**

**02 March, 2020**

<b>Company:</b>	Confluence Resources	<b>Local Co-ordinate Reference:</b>	Well Silverton 5-3-1L
<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 5-3-1L	<b>North Reference:</b>	True
<b>Wellbore:</b>	Silverton 5-3-1L Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Silverton 5-3-1L 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	°

<b>Well</b>	Silverton 5-3-1L				
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	1,368,987.94 usft	<b>Latitude:</b> 40.341530
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	3,292,260.37 usft	<b>Longitude:</b> -104.451510
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	0.0 ft	<b>Ground Level:</b> 4,628.0 ft

Wellbore		Silverton 5-3-1L Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/19/2020	7.98	66.87	52,089

<b>Design</b>	Silverton 5-3-1L 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	0.00	

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

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)
	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
	145.0	0.60	171.50	145.0	-0.2	0.0	-0.2	1.33	1.33	0.00
	175.0	0.60	186.90	175.0	-0.5	0.0	-0.5	0.54	0.00	51.33
	205.0	0.60	175.30	205.0	-0.9	0.0	-0.9	0.40	0.00	-38.67
	234.0	0.70	170.10	234.0	-1.2	0.1	-1.2	0.40	0.34	-17.93
	265.0	0.70	187.60	265.0	-1.6	0.1	-1.6	0.69	0.00	56.45
	295.0	0.70	185.70	295.0	-1.9	0.0	-1.9	0.08	0.00	-6.33
326.0	0.60	172.30	326.0	-2.3	0.0	-2.3	0.58	-0.32	-43.23	
371.0	0.60	169.30	371.0	-2.7	0.1	-2.7	0.07	0.00	-6.67	

<b>Company:</b>	Confluence Resources	<b>Local Co-ordinate Reference:</b>	Well Silverton 5-3-1L
<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 5-3-1L	<b>North Reference:</b>	True
<b>Wellbore:</b>	Silverton 5-3-1L Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Silverton 5-3-1L 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)	
416.0	0.50	183.60	416.0	-3.2	0.2	-3.2	0.38	-0.22	31.78	
461.0	0.30	350.10	461.0	-3.2	0.1	-3.2	1.77	-0.44	370.00	
505.0	1.00	348.60	505.0	-2.8	0.0	-2.8	1.59	1.59	-3.41	
550.0	1.80	349.00	550.0	-1.7	-0.2	-1.7	1.78	1.78	0.89	
595.0	2.60	357.40	594.9	0.0	-0.4	0.0	1.91	1.78	18.67	
639.0	3.80	356.90	638.9	2.5	-0.5	2.5	2.73	2.73	-1.14	
684.0	5.10	358.30	683.7	6.0	-0.6	6.0	2.90	2.89	3.11	
729.0	6.50	359.90	728.5	10.5	-0.7	10.5	3.13	3.11	3.56	
774.0	7.70	1.10	773.1	16.1	-0.6	16.1	2.69	2.67	2.67	
818.0	8.60	2.40	816.7	22.3	-0.5	22.3	2.09	2.05	2.95	
863.0	9.60	1.50	861.1	29.4	-0.2	29.4	2.24	2.22	-2.00	
908.0	10.60	359.20	905.4	37.3	-0.2	37.3	2.40	2.22	-5.11	
952.0	11.70	359.40	948.6	45.8	-0.3	45.8	2.50	2.50	0.45	
997.0	12.50	359.20	992.6	55.3	-0.4	55.3	1.78	1.78	-0.44	
1,038.0	13.40	356.90	1,032.6	64.4	-0.7	64.4	2.53	2.20	-5.61	
1,083.0	14.20	356.90	1,076.3	75.2	-1.3	75.2	1.78	1.78	0.00	
1,127.0	15.00	356.70	1,118.8	86.2	-1.9	86.2	1.82	1.82	-0.45	
1,172.0	15.60	355.50	1,162.2	98.1	-2.7	98.1	1.51	1.33	-2.67	
1,213.0	16.40	355.10	1,201.7	109.3	-3.6	109.3	1.97	1.95	-0.98	
1,254.0	16.70	356.70	1,241.0	121.0	-4.5	121.0	1.33	0.73	3.90	
1,298.0	17.30	357.40	1,283.0	133.8	-5.1	133.8	1.44	1.36	1.59	
1,343.0	17.90	358.30	1,325.9	147.4	-5.6	147.4	1.46	1.33	2.00	
1,388.0	17.80	356.00	1,368.8	161.2	-6.3	161.2	1.58	-0.22	-5.11	
1,433.0	18.10	353.90	1,411.6	175.0	-7.6	175.0	1.59	0.67	-4.67	
1,474.0	17.90	352.50	1,450.6	187.6	-9.1	187.6	1.16	-0.49	-3.41	
1,519.0	17.00	352.20	1,493.5	201.0	-10.9	201.0	2.01	-2.00	-0.67	
1,592.0	17.00	352.20	1,563.3	222.1	-13.7	222.1	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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