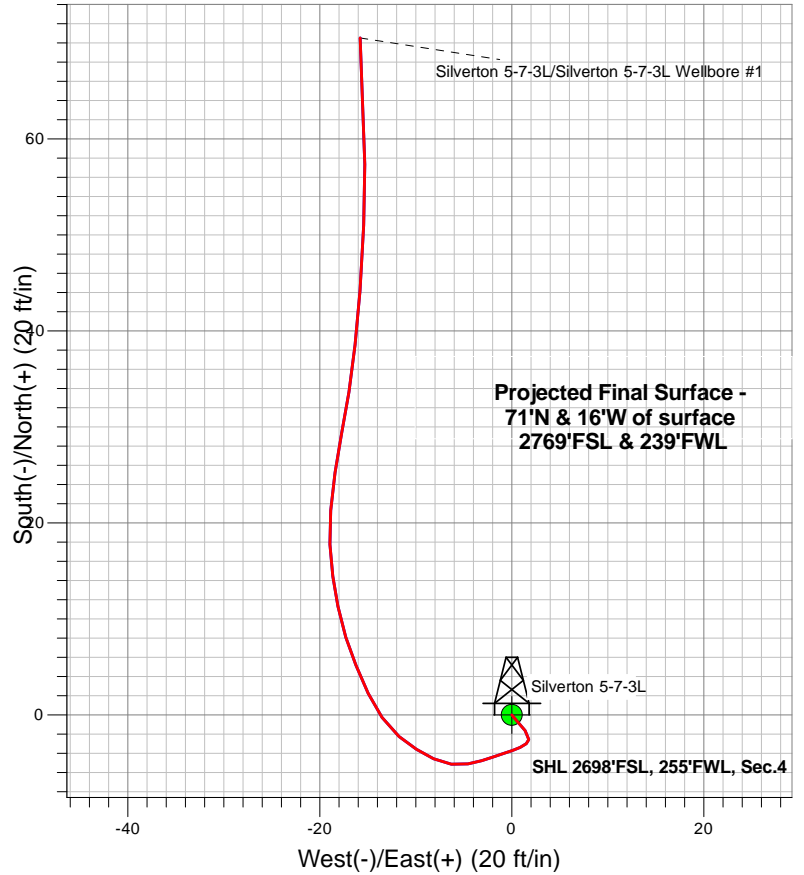


## Confluence Resources



### LEGEND

- Silverton 5-7-3L Wellbore #1
- Survey #1

## Final Surface Survey Plot

**Projected Final Surface Survey -  
1590'MD & 1585' TVD @ 11.00 deg Inc  
356.00 deg AZ**

Project: SEC.4-T4N-R63W  
Site: Silverton Pad Sec.4-T4N-R63W  
Well: Silverton 5-7-3L  
Plan: Silverton 5-7-3L Wellbore #1



## **Confluence Resources**

**SEC.4-T4N-R63W**

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

**Silverton 5-7-3L**

**Silverton 5-7-3L Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**04 March, 2020**

<b>Company:</b>	Confluence Resources	<b>Local Co-ordinate Reference:</b>	Well Silverton 5-7-3L
<b>Project:</b>	SEC.4-T4N-R63W	<b>TVD Reference:</b>	WELL @ 4642.0ft
<b>Site:</b>	Silverton Pad Sec.4-T4N-R63W	<b>MD Reference:</b>	WELL @ 4642.0ft
<b>Well:</b>	Silverton 5-7-3L	<b>North Reference:</b>	True
<b>Wellbore:</b>	Silverton 5-7-3L Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Silverton 5-7-3L 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 5-7-3L					
Well Position	+N/-S	0.0 ft	Northing:	1,368,860.40 usft	Latitude:	40.341180
	+E/-W	0.0 ft	Easting:	3,292,259.09 usft	Longitude:	-104.451520
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,629.0 ft

<b>Wellbore</b>	Silverton 5-7-3L 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 5-7-3L 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	347.38	

<b>Survey Program</b>	<b>Date</b>	3/4/2020			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
100.0	1,590.0	Survey #1 (Silverton 5-7-3L Wellbore #1)	MWD	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	0.70	139.60	175.0	-0.3	0.3	-0.4	0.93	0.93	0.00	
234.0	0.80	139.10	234.0	-0.9	0.8	-1.1	0.17	0.17	-0.85	
295.0	0.90	139.80	295.0	-1.6	1.4	-1.9	0.16	0.16	1.15	
371.0	0.70	180.90	371.0	-2.5	1.8	-2.9	0.78	-0.26	54.08	
416.0	0.80	234.00	416.0	-3.0	1.5	-3.3	1.50	0.22	118.00	
461.0	1.10	245.50	461.0	-3.4	0.9	-3.5	0.79	0.67	25.56	
505.0	1.10	250.00	505.0	-3.7	0.1	-3.6	0.20	0.00	10.23	
550.0	1.30	251.30	550.0	-4.0	-0.8	-3.7	0.45	0.44	2.89	

<b>Company:</b>	Confluence Resources	<b>Local Co-ordinate Reference:</b>	Well Silverton 5-7-3L
<b>Project:</b>	SEC.4-T4N-R63W	<b>TVD Reference:</b>	WELL @ 4642.0ft
<b>Site:</b>	Silverton Pad Sec.4-T4N-R63W	<b>MD Reference:</b>	WELL @ 4642.0ft
<b>Well:</b>	Silverton 5-7-3L	<b>North Reference:</b>	True
<b>Wellbore:</b>	Silverton 5-7-3L Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Silverton 5-7-3L 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)
595.0	1.60	252.30	594.9	-4.4	-1.9	-3.8	0.67	0.67	2.22
639.0	1.80	252.70	638.9	-4.7	-3.1	-3.9	0.46	0.45	0.91
684.0	2.00	259.50	683.9	-5.1	-4.6	-4.0	0.67	0.44	15.11
729.0	2.40	278.30	728.9	-5.1	-6.3	-3.6	1.82	0.89	41.78
774.0	2.60	294.20	773.8	-4.5	-8.2	-2.7	1.60	0.44	35.33
818.0	2.70	302.60	817.8	-3.6	-9.9	-1.3	0.91	0.23	19.09
863.0	3.10	310.30	862.7	-2.2	-11.8	0.4	1.24	0.89	17.11
908.0	3.70	324.90	907.6	-0.2	-13.5	2.7	2.33	1.33	32.44
952.0	3.90	334.60	951.5	2.3	-15.0	5.5	1.53	0.45	22.05
997.0	4.30	338.10	996.4	5.2	-16.3	8.6	1.05	0.89	7.78
1,038.0	4.30	342.70	1,037.3	8.1	-17.3	11.7	0.84	0.00	11.22
1,083.0	4.20	348.50	1,082.2	11.3	-18.1	15.0	0.98	-0.22	12.89
1,127.0	4.10	352.20	1,126.1	14.5	-18.7	18.2	0.65	-0.23	8.41
1,172.0	4.40	357.30	1,170.9	17.8	-19.0	21.5	1.07	0.67	11.33
1,216.0	4.80	5.30	1,214.8	21.3	-18.9	24.9	1.72	0.91	18.18
1,261.0	5.30	7.80	1,259.6	25.2	-18.4	28.7	1.21	1.11	5.56
1,305.0	5.50	11.10	1,303.4	29.3	-17.7	32.5	0.84	0.45	7.50
1,350.0	5.70	8.70	1,348.2	33.6	-17.0	36.5	0.68	0.44	-5.33
1,395.0	6.90	6.60	1,392.9	38.5	-16.3	41.2	2.71	2.67	-4.67
1,439.0	7.90	4.10	1,436.6	44.2	-15.8	46.6	2.39	2.27	-5.68
1,484.0	9.60	2.40	1,481.1	51.0	-15.4	53.2	3.82	3.78	-3.78
1,520.0	10.70	359.90	1,516.5	57.4	-15.3	59.3	3.29	3.06	-6.94
1,590.0	11.00	356.00	1,585.2	70.5	-15.8	72.3	1.13	0.43	-5.57

Checked By: _____	Approved By: _____	Date: _____
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