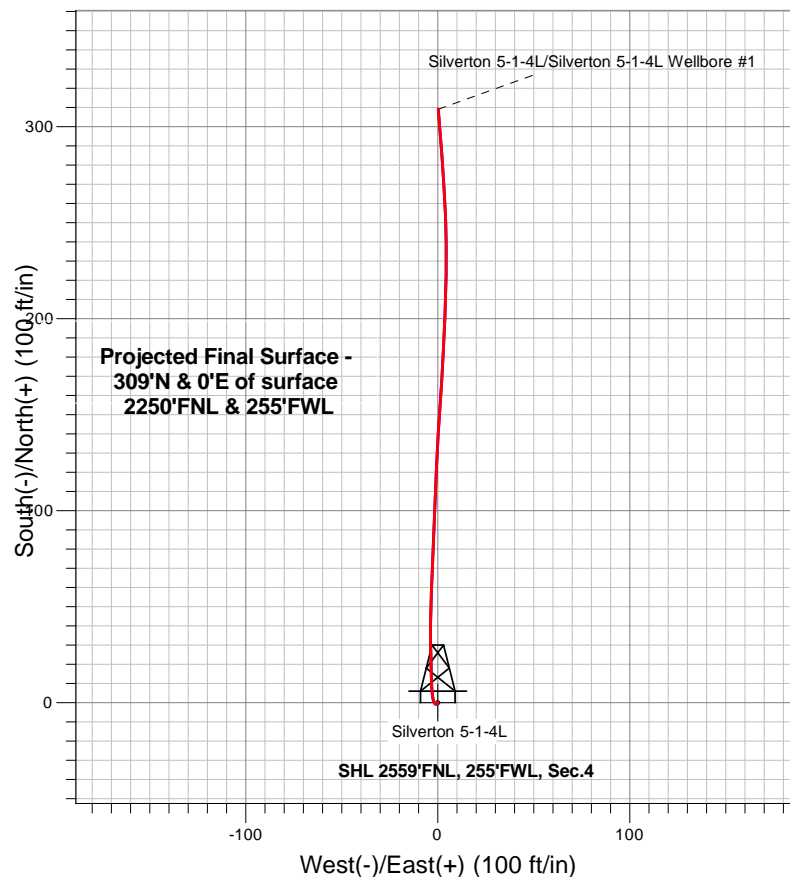


Confluence Resources



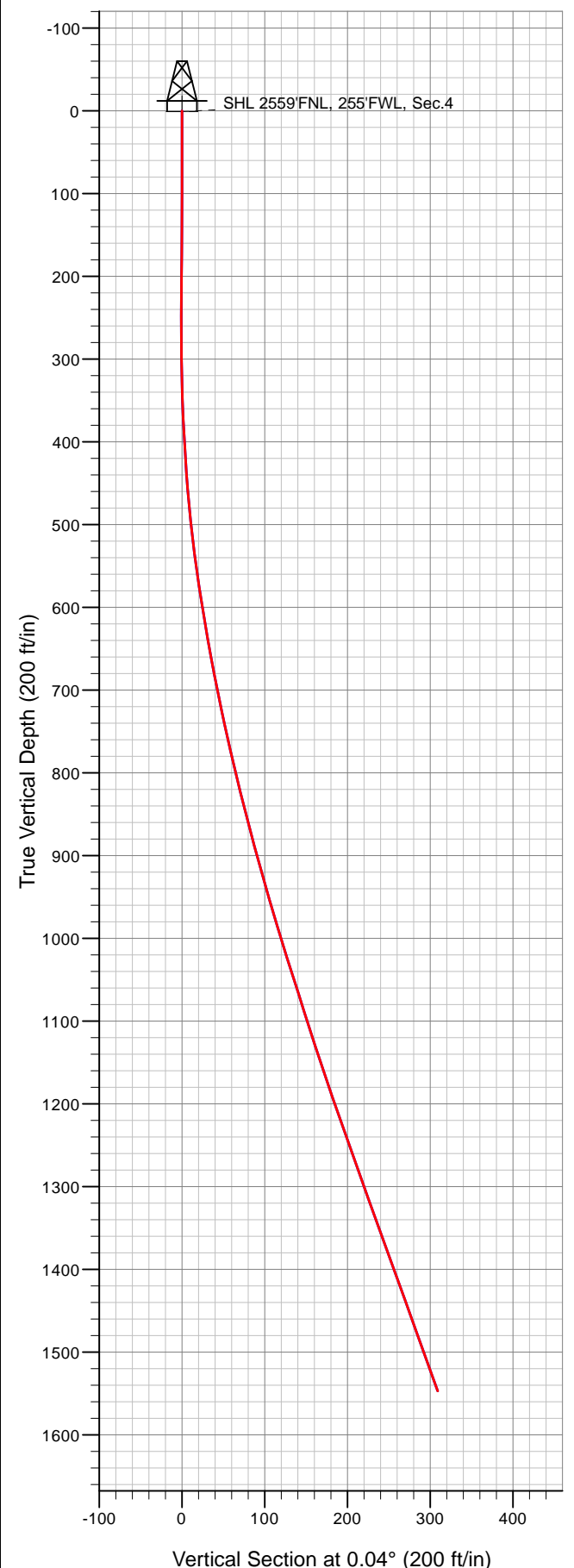
LEGEND

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

Final Surface Survey Plot

**Projected Final Surface Survey -
 1592'MD & 1547' TVD @ 19.70 deg Inc
 355.50 deg AZ**

Project: SEC.4-T4N-R63W
 Site: Silverton Pad Sec.4-T4N-R63
 Well: Silverton 5-1-4L
 Plan: Silverton 5-1-4L Wellbore #1





Confluence Resources

SEC.4-T4N-R63W

Silverton Pad Sec.4-T4N-R63

Silverton 5-1-4L

Silverton 5-1-4L Wellbore #1

Survey: Survey #1

Standard Survey Report

27 February, 2020

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Silverton 5-1-4L
Project:	SEC.4-T4N-R63W	TVD Reference:	WELL @ 4641.0ft
Site:	Silverton Pad Sec.4-T4N-R63	MD Reference:	WELL @ 4641.0ft
Well:	Silverton 5-1-4L	North Reference:	True
Wellbore:	Silverton 5-1-4L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Silverton 5-1-4L Wellbore #1	Database:	US_EDM

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

Site	Silverton Pad Sec.4-T4N-R63				
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 5-1-4L					
Well Position	+N/-S	0.0 ft	Northing:	1,369,035.29 usft	Latitude:	40.341660
	+E/-W	0.0 ft	Easting:	3,292,259.81 usft	Longitude:	-104.451510
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,628.0 ft

Wellbore	Silverton 5-1-4L Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/19/2020	7.98	66.87	52,089

Design	Silverton 5-1-4L Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0		0.04

Survey Program	Date	2/27/2020			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.0	1,592.0	Survey #1 (Silverton 5-1-4L 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	222.80	145.0	-0.2	-0.2	-0.2	1.33	1.33	0.00	
175.0	0.50	230.50	175.0	-0.4	-0.4	-0.4	0.41	-0.33	25.67	
205.0	0.50	227.90	205.0	-0.5	-0.6	-0.5	0.08	0.00	-8.67	
234.0	0.60	240.90	234.0	-0.7	-0.8	-0.7	0.55	0.34	44.83	
265.0	0.60	273.20	265.0	-0.8	-1.1	-0.8	1.08	0.00	104.19	
295.0	0.90	313.50	295.0	-0.6	-1.4	-0.6	1.96	1.00	134.33	
326.0	1.70	331.10	326.0	0.0	-1.8	0.0	2.85	2.58	56.77	
371.0	2.70	345.80	370.9	1.6	-2.4	1.6	2.53	2.22	32.67	

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Silverton 5-1-4L
Project:	SEC.4-T4N-R63W	TVD Reference:	WELL @ 4641.0ft
Site:	Silverton Pad Sec.4-T4N-R63	MD Reference:	WELL @ 4641.0ft
Well:	Silverton 5-1-4L	North Reference:	True
Wellbore:	Silverton 5-1-4L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Silverton 5-1-4L Wellbore #1	Database:	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	3.60	351.80	415.9	4.0	-2.9	4.0	2.13	2.00	13.33
461.0	4.80	357.60	460.8	7.3	-3.1	7.3	2.83	2.67	12.89
505.0	6.30	358.10	504.6	11.5	-3.3	11.5	3.41	3.41	1.14
550.0	7.90	358.10	549.2	17.1	-3.5	17.1	3.56	3.56	0.00
595.0	9.10	358.50	593.7	23.7	-3.7	23.7	2.67	2.67	0.89
639.0	9.80	359.40	637.1	31.0	-3.8	31.0	1.63	1.59	2.05
684.0	11.20	0.60	681.4	39.2	-3.8	39.2	3.15	3.11	2.67
729.0	11.80	1.50	725.5	48.1	-3.6	48.1	1.39	1.33	2.00
774.0	12.80	2.40	769.4	57.7	-3.3	57.7	2.26	2.22	2.00
818.0	13.90	2.20	812.2	67.9	-2.9	67.9	2.50	2.50	-0.45
863.0	14.50	2.40	855.9	78.9	-2.5	78.9	1.34	1.33	0.44
908.0	15.40	1.80	899.3	90.5	-2.0	90.5	2.03	2.00	-1.33
952.0	16.00	2.00	941.7	102.4	-1.6	102.4	1.37	1.36	0.45
997.0	16.80	3.20	984.9	115.1	-1.1	115.1	1.93	1.78	2.67
1,038.0	17.50	2.70	1,024.0	127.2	-0.4	127.2	1.74	1.71	-1.22
1,083.0	17.90	3.20	1,066.9	140.8	0.3	140.8	0.95	0.89	1.11
1,127.0	18.00	4.10	1,108.8	154.4	1.1	154.4	0.67	0.23	2.05
1,172.0	18.30	3.80	1,151.5	168.3	2.1	168.3	0.70	0.67	-0.67
1,213.0	18.80	2.40	1,190.4	181.4	2.8	181.4	1.63	1.22	-3.41
1,254.0	19.30	2.00	1,229.2	194.7	3.3	194.7	1.26	1.22	-0.98
1,298.0	19.70	2.70	1,270.6	209.4	3.9	209.4	1.05	0.91	1.59
1,343.0	19.90	0.40	1,313.0	224.7	4.3	224.7	1.79	0.44	-5.11
1,388.0	20.10	359.40	1,355.3	240.0	4.3	240.0	0.88	0.44	-2.22
1,433.0	19.80	357.10	1,397.6	255.4	3.8	255.4	1.87	-0.67	-5.11
1,474.0	20.00	357.10	1,436.1	269.3	3.1	269.3	0.49	0.49	0.00
1,519.0	19.70	355.50	1,478.4	284.6	2.1	284.6	1.38	-0.67	-3.56
1,592.0	19.70	355.50	1,547.2	309.1	0.2	309.1	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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