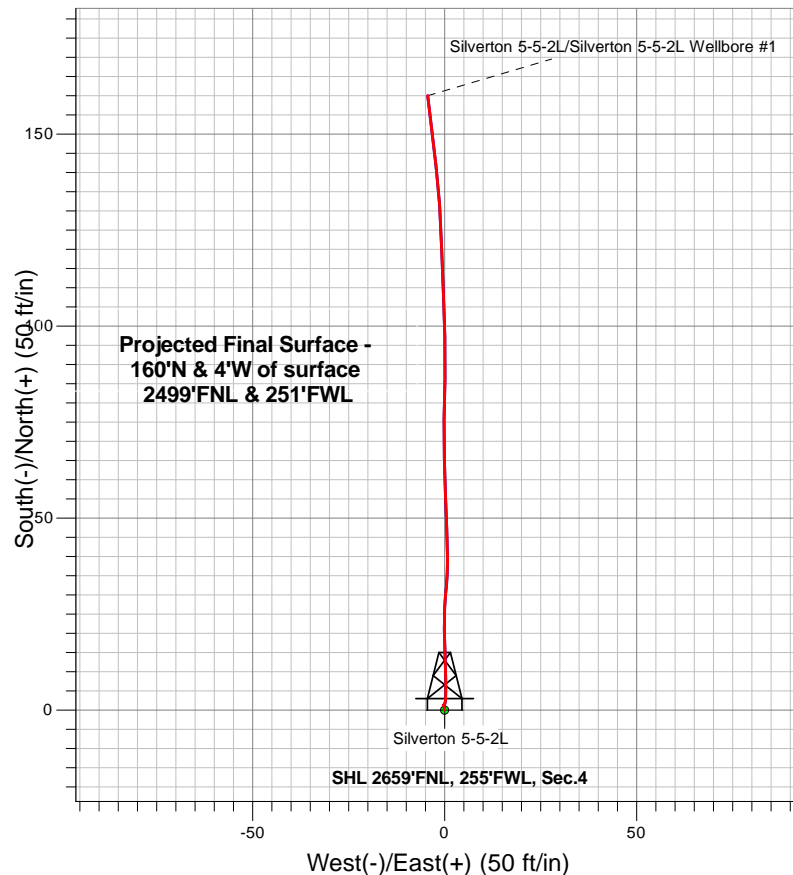


Confluence Resources



LEGEND

- Silverton 5-5-2L Wellbore #1
- Survey #1

Final Surface Survey Plot

**Projected Final Surface Survey -
 1592'MD & 1575' TVD @ 15.30 deg Inc
 353.40 deg AZ**

Project: SEC.4-T4N-R63W
 Site: Silverton Pad Sec.4-T4N-R63W
 Well: Silverton 5-5-2L
 Plan: Silverton 5-5-2L Wellbore #1



Confluence Resources

SEC.4-T4N-R63W

Silverton Pad Sec.4-T4N-R63W

Silverton 5-5-2L

Silverton 5-5-2L Wellbore #1

Survey: Survey #1

Standard Survey Report

02 March, 2020

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Silvertown 5-5-2L
Project:	SEC.4-T4N-R63W	TVD Reference:	WELL @ 4641.0ft
Site:	Silvertown Pad Sec.4-T4N-R63W	MD Reference:	WELL @ 4641.0ft
Well:	Silvertown 5-5-2L	North Reference:	True
Wellbore:	Silvertown 5-5-2L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Silvertown 5-5-2L 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-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 5-5-2L				
Well Position	+N/-S	0.0 ft	Northing:	1,368,936.94 usft	Latitude: 40.341390
	+E/-W	0.0 ft	Easting:	3,292,260.97 usft	Longitude: -104.451510
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level: 4,628.0 ft

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

Design	Silverton 5-5-2L 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	358.44	

Survey Program		Date	3/2/2020		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.0	1,592.0	Survey #1 (Silverton 5-5-2L 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
	205.0	0.10	353.90	205.0	0.1	0.0	0.1	0.10	0.10	0.00
	265.0	0.20	8.90	265.0	0.2	0.0	0.2	0.18	0.17	25.00
	326.0	0.30	341.40	326.0	0.5	0.0	0.5	0.25	0.16	-45.08
	416.0	0.40	350.80	416.0	1.0	-0.2	1.0	0.13	0.11	10.44
	461.0	0.20	306.50	461.0	1.2	-0.2	1.2	0.65	-0.44	-98.44
	506.0	0.20	30.00	506.0	1.4	-0.3	1.4	0.59	0.00	185.56
550.0	0.10	190.30	550.0	1.4	-0.2	1.4	0.67	-0.23	364.32	
595.0	0.20	195.90	595.0	1.3	-0.3	1.3	0.22	0.22	12.44	

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Silverton 5-5-2L
Project:	SEC.4-T4N-R63W	TVD Reference:	WELL @ 4641.0ft
Site:	Silverton Pad Sec.4-T4N-R63W	MD Reference:	WELL @ 4641.0ft
Well:	Silverton 5-5-2L	North Reference:	True
Wellbore:	Silverton 5-5-2L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Silverton 5-5-2L 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)	
639.0	0.20	82.50	639.0	1.2	-0.2	1.2	0.76	0.00	-257.73	
684.0	0.30	48.10	684.0	1.3	0.0	1.3	0.39	0.22	-76.44	
729.0	1.30	10.30	729.0	1.9	0.1	1.9	2.40	2.22	-84.00	
774.0	2.50	3.80	774.0	3.4	0.3	3.3	2.71	2.67	-14.44	
819.0	4.00	359.90	818.9	5.9	0.4	5.9	3.37	3.33	-8.67	
864.0	5.60	358.30	863.7	9.7	0.3	9.7	3.57	3.56	-3.56	
908.0	6.80	356.90	907.5	14.4	0.1	14.4	2.75	2.73	-3.18	
953.0	7.70	359.70	952.1	20.1	-0.1	20.1	2.15	2.00	6.22	
998.0	8.10	2.90	996.7	26.3	0.1	26.3	1.32	0.89	7.11	
1,039.0	8.70	4.50	1,037.2	32.2	0.5	32.2	1.57	1.46	3.90	
1,083.0	9.60	0.60	1,080.7	39.2	0.8	39.2	2.48	2.05	-8.86	
1,128.0	10.90	357.30	1,125.0	47.2	0.6	47.2	3.17	2.89	-7.33	
1,172.0	11.80	358.00	1,168.1	55.9	0.2	55.9	2.07	2.05	1.59	
1,217.0	12.80	358.50	1,212.1	65.5	-0.1	65.4	2.23	2.22	1.11	
1,262.0	13.40	0.90	1,255.9	75.7	-0.1	75.6	1.80	1.33	5.33	
1,306.0	14.20	1.50	1,298.6	86.2	0.1	86.1	1.85	1.82	1.36	
1,351.0	14.50	358.00	1,342.2	97.3	0.1	97.3	2.04	0.67	-7.78	
1,395.0	14.90	357.80	1,384.8	108.5	-0.3	108.4	0.92	0.91	-0.45	
1,440.0	15.20	358.00	1,428.2	120.1	-0.8	120.1	0.68	0.67	0.44	
1,484.0	15.30	356.40	1,470.7	131.7	-1.3	131.7	0.98	0.23	-3.64	
1,522.0	15.30	353.40	1,507.4	141.7	-2.2	141.7	2.08	0.00	-7.89	
1,592.0	15.30	353.40	1,574.9	160.0	-4.4	160.1	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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