ENSIGN Directional

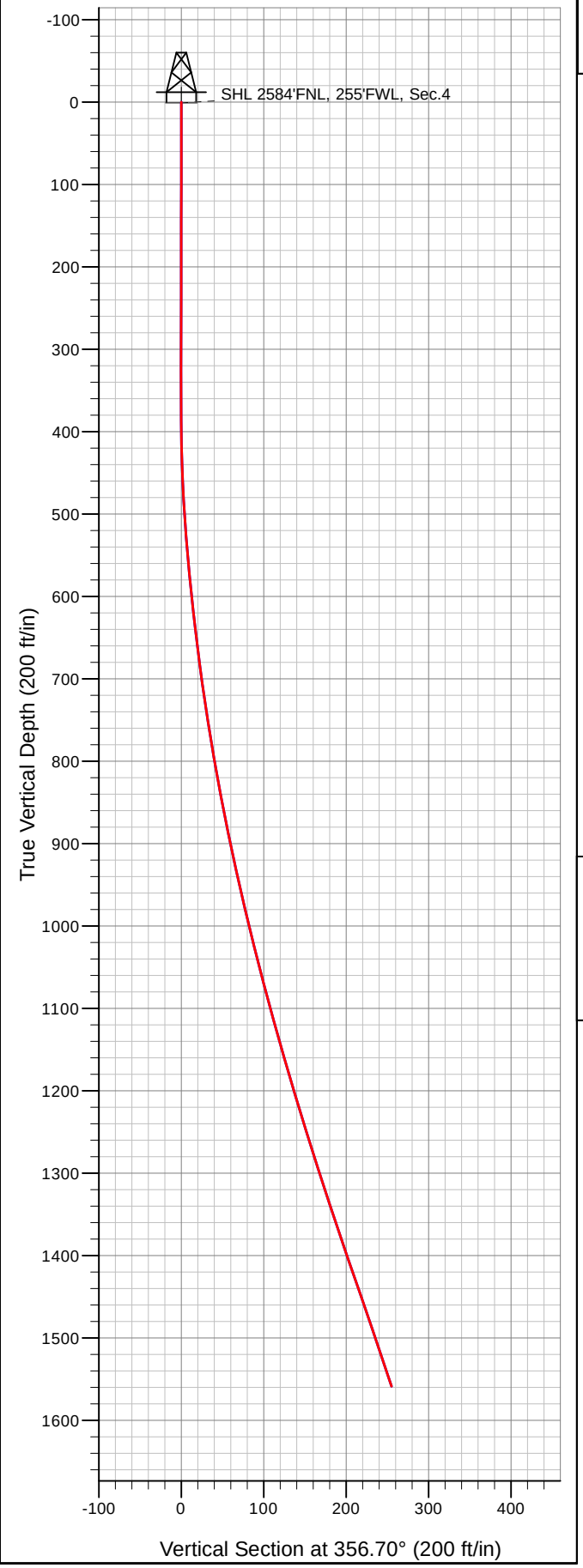
Well Name: Silverton 5-2-2L

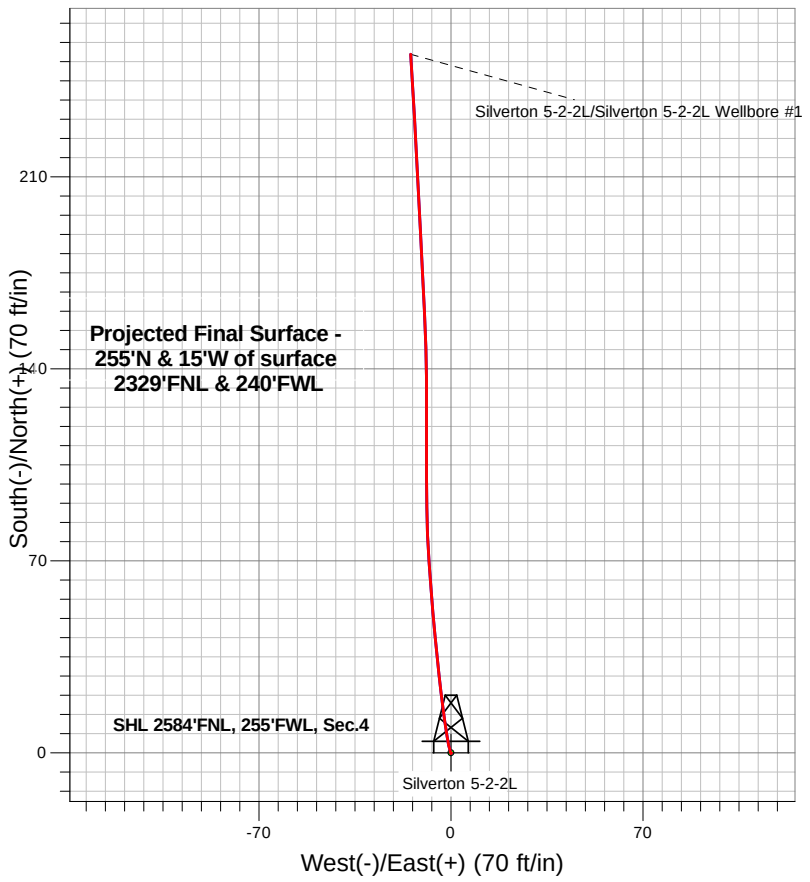
Surface Location: Silverton Pad Sec.4-T4N-R63W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4628.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1369013.44	3292260.07	40.341600	-104.451510	

WELL @ 4641.0ft

Confluence Resources





LEGEND

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

Final Surface Survey Plot

Projected Final Surface Survey - 1592'MD & 1559' TVD @ 18.60 deg Inc 356.60 deg AZ

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

Confluence Resources

SEC.4-T4N-R63W
Silverton Pad Sec.4-T4N-R63W
Silverton 5-2-2L

Silverton 5-2-2L Wellbore #1

Survey: Survey #1

Standard Survey Report

02 March, 2020

Company:	Confluence Resources	**Local Co-ordinate Reference:**	Well Silverton 5-2-2L
Project:	SEC.4-T4N-R63W	**TVD Reference:**	WELL @ 4641.0ft
Site:	Silverton Pad Sec.4-T4N-R63W	**MD Reference:**	WELL @ 4641.0ft
Well:	Silverton 5-2-2L	**North Reference:**	True
Wellbore:	Silverton 5-2-2L Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Silverton 5-2-2L 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 5-2-2L

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,369,013.44 usft	**Latitude:**	40.341600
	+E/-W	0.0 ft	**Easting:**	3,292,260.07 usft	**Longitude:**	-104.451510
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	0.0 ft	**Ground Level:**	4,628.0 ft

Wellbore Silverton 5-2-2L 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 5-2-2L 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	356.70

Survey Program **Date** 3/2/2020

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.0	1,592.0	Survey #1 (Silverton 5-2-2L 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
145.0	0.20	173.00	145.0	-0.1	0.0	-0.1	0.44	0.44	0.00
175.0	0.00	0.00	175.0	-0.1	0.0	-0.1	0.67	-0.67	0.00
205.0	0.00	0.00	205.0	-0.1	0.0	-0.1	0.00	0.00	0.00
234.0	0.10	169.50	234.0	-0.2	0.0	-0.2	0.34	0.34	0.00
265.0	0.10	140.90	265.0	-0.2	0.0	-0.2	0.16	0.00	-92.26
295.0	0.10	132.40	295.0	-0.2	0.1	-0.2	0.05	0.00	-28.33
326.0	0.10	142.30	326.0	-0.3	0.1	-0.3	0.06	0.00	31.94
371.0	0.20	340.70	371.0	-0.2	0.1	-0.2	0.66	0.22	-359.11

Company:	Confluence Resources	**Local Co-ordinate Reference:**	Well Silverton 5-2-2L
Project:	SEC.4-T4N-R63W	**TVD Reference:**	WELL @ 4641.0ft
Site:	Silverton Pad Sec.4-T4N-R63W	**MD Reference:**	WELL @ 4641.0ft
Well:	Silverton 5-2-2L	**North Reference:**	True
Wellbore:	Silverton 5-2-2L Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Silverton 5-2-2L 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)
416.0	1.30	337.60	416.0	0.3	-0.1	0.3	2.45	2.44	-6.89
461.0	2.60	345.80	461.0	1.8	-0.6	1.8	2.95	2.89	18.22
505.0	3.90	348.60	504.9	4.2	-1.1	4.3	2.98	2.95	6.36
550.0	5.00	351.50	549.8	7.6	-1.7	7.7	2.49	2.44	6.44
595.0	6.00	352.20	594.6	11.9	-2.3	12.0	2.23	2.22	1.56
639.0	6.80	352.90	638.3	16.8	-2.9	16.9	1.83	1.82	1.59
684.0	7.40	353.00	682.9	22.3	-3.6	22.5	1.33	1.33	0.22
729.0	8.40	353.90	727.5	28.4	-4.3	28.6	2.24	2.22	2.00
774.0	9.40	354.10	772.0	35.4	-5.0	35.6	2.22	2.22	0.44
818.0	10.10	354.40	815.3	42.8	-5.8	43.0	1.60	1.59	0.68
863.0	11.10	355.00	859.6	51.0	-6.5	51.3	2.24	2.22	1.33
908.0	12.10	355.50	903.6	60.0	-7.3	60.4	2.23	2.22	1.11
952.0	12.80	356.40	946.6	69.5	-8.0	69.8	1.65	1.59	2.05
997.0	13.50	357.30	990.4	79.7	-8.5	80.1	1.62	1.56	2.00
1,038.0	14.20	359.00	1,030.2	89.5	-8.8	89.9	1.97	1.71	4.15
1,083.0	14.90	0.20	1,073.8	100.8	-8.9	101.2	1.69	1.56	2.67
1,127.0	15.60	0.10	1,116.2	112.4	-8.9	112.7	1.59	1.59	-0.23
1,172.0	15.80	0.10	1,159.6	124.6	-8.9	124.9	0.44	0.44	0.00
1,213.0	16.40	359.50	1,199.0	136.0	-8.9	136.2	1.52	1.46	-1.46
1,254.0	17.20	358.10	1,238.2	147.8	-9.2	148.1	2.19	1.95	-3.41
1,298.0	17.70	357.30	1,280.2	161.0	-9.7	161.3	1.26	1.14	-1.82
1,343.0	18.20	357.30	1,323.0	174.8	-10.3	175.1	1.11	1.11	0.00
1,388.0	18.60	357.10	1,365.7	189.0	-11.0	189.3	0.90	0.89	-0.44
1,433.0	19.30	356.90	1,408.2	203.6	-11.8	204.0	1.56	1.56	-0.44
1,474.0	18.90	357.10	1,447.0	217.0	-12.5	217.4	0.99	-0.98	0.49
1,519.0	18.60	356.60	1,489.6	231.5	-13.3	231.8	0.76	-0.67	-1.11
1,592.0	18.60	356.60	1,558.8	254.7	-14.7	255.1	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____