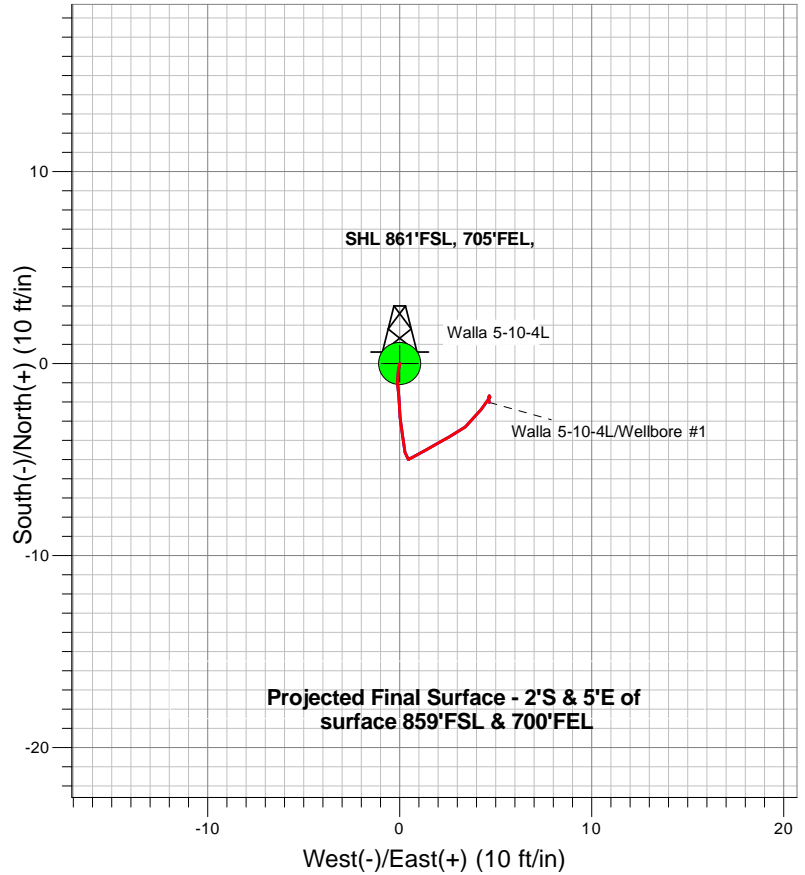




Confluence Resources



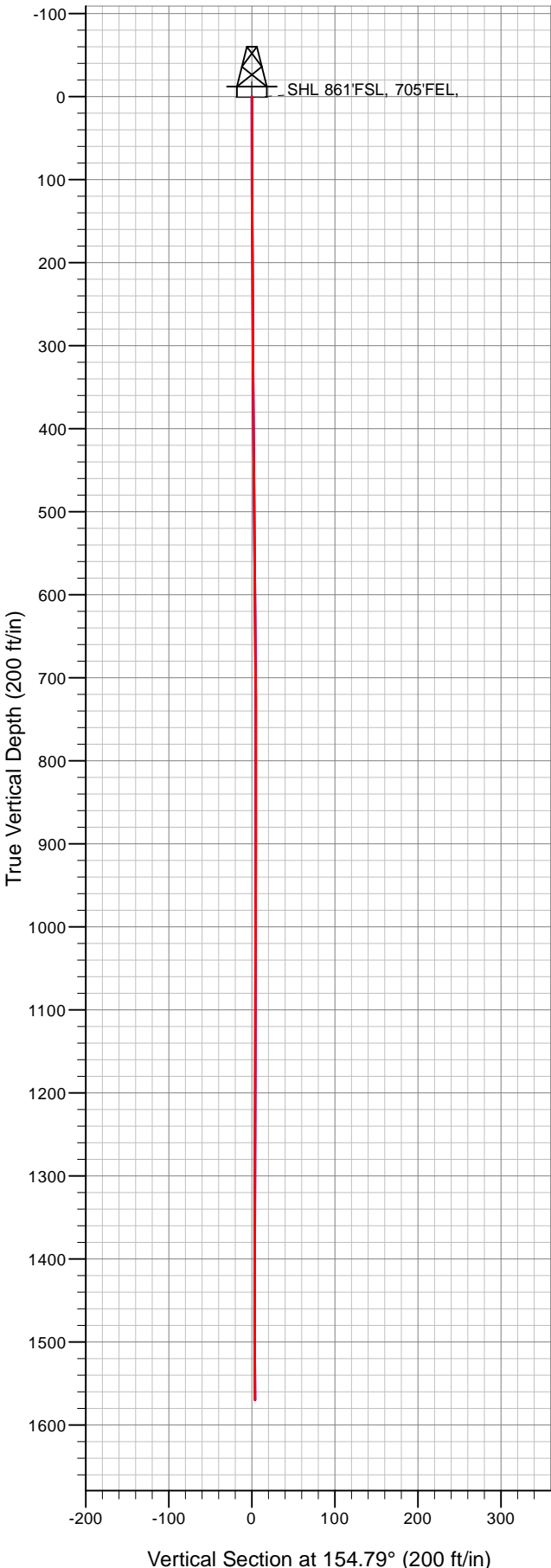
LEGEND

-  Wellbore #1
-  Survey #1

Final Surface Survey Plot

Projected Final Surface Survey -
 1570'MD & 1570' TVD @ 0.20 deg Inc
 170.8 deg AZ

Project: SEC.31-T1N-R65W
 Site: Walla Pad Sec.31-T1N-R65W
 Well: Walla 5-10-4L
 Plan: Wellbore #1





Confluence Resources

SEC.31-T1N-R65W

Walla Pad Sec.31-T1N-R65W

Walla 5-10-4L

Wellbore #1

Survey: Survey #1

Standard Survey Report

18 December, 2019

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Walla 5-10-4L
Project:	SEC.31-T1N-R65W	TVD Reference:	WELL @ 5051.5ft (Original Well Elev)
Site:	Walla Pad Sec.31-T1N-R65W	MD Reference:	WELL @ 5051.5ft (Original Well Elev)
Well:	Walla 5-10-4L	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	US_EDM

Project	SEC.31-T1N-R65W, 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	Walla Pad Sec.31-T1N-R65W				
Site Position:		Northing:	1,244,911.00 usft	Latitude:	40.002890
From:	Lat/Long	Easting:	3,224,163.56 usft	Longitude:	-104.699810
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.52 °

Well	Walla 5-10-4L				
Well Position	+N/-S	0.0 ft	Northing:	1,244,910.99 usft	Latitude: 40.002890
	+E/-W	0.0 ft	Easting:	3,224,163.56 usft	Longitude: -104.699810
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level: 5,039.0 ft

Wellbore					
Wellbore #1					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	12/17/2019	8.02	66.25	51,822

Design	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	154.79	

Survey Program		Date	12/17/2019		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
117.0	1,570.0	Survey #1 (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
	117.0	0.40	192.10	117.0	-0.4	-0.1	0.3	0.34	0.34	0.00
	208.0	0.40	174.20	208.0	-1.0	-0.1	0.9	0.14	0.00	-19.67
	299.0	0.40	173.30	299.0	-1.7	-0.1	1.5	0.01	0.00	-0.99
	373.0	0.40	180.10	373.0	-2.2	0.0	2.0	0.06	0.00	9.19
	462.0	0.40	175.40	462.0	-2.8	0.0	2.5	0.04	0.00	-5.28
	552.0	0.70	170.30	552.0	-3.6	0.1	3.4	0.34	0.33	-5.67
	638.0	0.60	173.50	638.0	-4.6	0.3	4.3	0.12	-0.12	3.72
724.0	0.20	62.70	724.0	-5.0	0.4	4.7	0.81	-0.47	-128.84	
813.0	0.40	59.70	813.0	-4.8	0.9	4.7	0.23	0.22	-3.37	

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Walla 5-10-4L
Project:	SEC.31-T1N-R65W	TVD Reference:	WELL @ 5051.5ft (Original Well Elev)
Site:	Walla Pad Sec.31-T1N-R65W	MD Reference:	WELL @ 5051.5ft (Original Well Elev)
Well:	Walla 5-10-4L	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	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)	
903.0	0.40	64.30	903.0	-4.5	1.4	4.6	0.04	0.00	5.11	
988.0	0.40	55.70	988.0	-4.2	1.9	4.6	0.07	0.00	-10.12	
1,075.0	0.60	64.50	1,075.0	-3.8	2.6	4.5	0.25	0.23	10.11	
1,161.0	0.70	52.50	1,161.0	-3.3	3.4	4.4	0.20	0.12	-13.95	
1,250.0	0.90	35.30	1,250.0	-2.4	4.2	4.0	0.35	0.22	-19.33	
1,340.0	0.10	33.90	1,340.0	-1.7	4.7	3.6	0.89	-0.89	-1.56	
1,426.0	0.10	284.20	1,426.0	-1.7	4.7	3.5	0.19	0.00	-127.56	
1,500.0	0.20	170.80	1,500.0	-1.8	4.6	3.6	0.35	0.14	-153.24	
1,570.0	0.20	170.80	1,570.0	-2.0	4.7	3.8	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- hit/miss target										
- Shape										
SHL 861'FSL, 705'FEL,	0.00	0.00	1.0	0.0	0.0	1,244,911.00	3,224,163.56	40.002890		-104.699810
- survey hits target center										
- Point										

Checked By: _____	Approved By: _____	Date: _____
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