

<b>Borehole:</b>	<b>Well:</b>	<b>Field:</b>	<b>Structure:</b>
<b>Original Hole</b>	<b>Shull Fed-9-59-31-1209CE</b>	<b>CO, Weld County (NAD 83 NZ)</b>	<b>31-09N-59W (Anderson-Shull Pad 1)</b>

<b>Gravity &amp; Magnetic Parameters</b>			<b>Surface Location</b>			<b>Miscellaneous</b>		
Model:	HDGM 2015	Dip: 67.141°	Date:	13-Apr-2016		Slot:	Shull Fed-9-59-31-1209CE	TVD Ref: KB 18ft(4923ft above MSL)
MagDec:	8.028°	FS: 52770.982nT	Gravity FS:	999.08mgn (9.80665 Based)		Plan:	Shull Fed-9-59-31-1209CE R0 mdv 13Apr16	

Northing: 1505441.974		Easting: 3409527.449		Surface Location		Longitude: W 104 1 21.81		VSec Azimuth: 87.816	
Target Description		Grid Coord		Local Coord					
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)	DLS
Pad 1	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-18.89	15.64	-19.50	
Anderson-Shull Pad Sec 31-32 - 460' Setback	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-18.89	15.64	-19.50	
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-18.89	15.64	-19.50	
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-18.89	15.64	-19.50	
Shull Fed-9-59-31-1209CE BHL	N 40 42 42.94	W 103 59 39.03	1505743.67	3417438.32	6231.00	7916.72	301.70	7910.97	
Shull Fed-9-59-31-1209CE LP	N 40 42 42.69	W 104 1 8.58	1505602.39	3410543.10	6261.00	1021.04	160.42	1015.66	

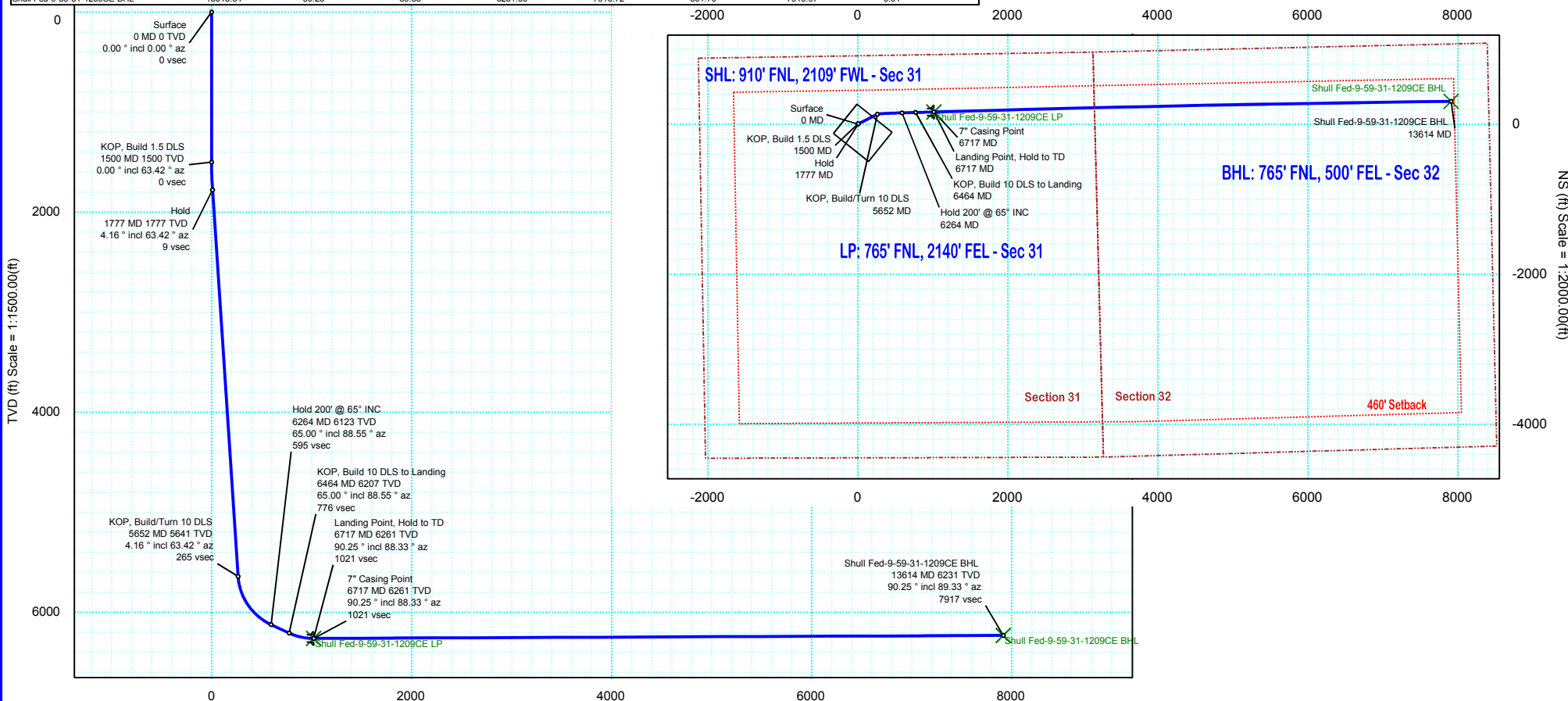
Critical Point		Critical Point		Critical Point		Critical Point		Critical Point	
MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS		
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
KOP, Build 1.5 DLS	1500.00	0.00	63.42	1500.00	0.00	0.00	0.00		
Hold	1777.49	4.16	63.42	1777.25	9.18	4.51	9.01	1.50	
KOP, Build/Turn 10 DLS	5651.65	4.16	63.42	5641.19	265.27	130.32	260.49	0.00	
Hold 200' @ 65° INC	6264.10	65.00	88.55	6122.78	595.04	149.13	589.79	10.00	
KOP, Build 10 DLS to Landing	6464.10	65.00	88.55	6207.30	776.29	153.72	770.99	0.00	
Landing Point, Hold to TD	6716.73	90.25	88.33	6261.00	1021.04	160.42	1015.66	10.00	
7" Casing Point	6717.00	90.25	88.33	6261.00	1021.31	160.43	1015.93	0.01	
Shull Fed-9-59-31-1209CE BHL	13613.64	90.25	89.33	6231.00	7916.72	301.70	7910.97	0.01	

**Proposal**  
**Rev 0**



Grid  
True  
Mag  
Grid North  
Tot Corr (M→G 7.073°)  
Mag Dec (8.028°)  
Grid Conv (0.955°)

EW (ft) Scale = 1:2000.00(ft)



Vertical Section (ft) Azim = 87.816° Scale = 1:1500.00(ft) Origin = 0N/-S, 0E/-W