

Borehole:	Well:	Field:	Structure:
Original Hole	Shull Fed-9-59-31-3740CDE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 2)

Gravity & Magnetic Parameters			Surface Location			Miscellaneous		
Model:	HDGM 2015	Dip: 67.141°	Date:	13-Apr-2016		Slot:	Shull Fed-9-59-31-3740CDE	TVD Ref: KB 18ft(4898ft above MSL)
MagDec:	8.033°	FS: 52766.913nT	Gravity FS:	999.082mgn (9.80665 Based)		Plan:	Shull Fed-9-59-31-3740CDE R0 mdv 13Apr16	

Northing: 1504455.956		Easting: 3409703.397		Surface Location		Longitude: W 104 1 19.73		VSec Azimuth: 98.795	
Target Description		Latitude		Grid Coord		Longitude		Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)S(-)	E(+)W(-)	DLS
Anderson-Shull Pad Sec 31-32 - 460' Setback	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-346.31	1001.67	-195.45	
Pad 2	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-346.31	1001.67	-195.45	
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-346.31	1001.67	-195.45	
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-346.31	1001.67	-195.45	
Shull Fed-9-59-31-3740CDE BHL	N 40 42 18.30	W 103 59 38.82	1503250.12	3417496.75	6288.00	7886.20	-1205.85	7793.46	
Shull Fed-9-59-31-3740CDE LP	N 40 42 18.06	W 104 1 8.29	1503110.76	3410607.45	6318.00	1099.12	-1345.22	904.07	

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	174.78	1500.00	0.00	0.00	0.00	
Hold		2696.35	17.95	174.78	2676.88	45.00	-185.05	16.90	1.50
KOP, Build/Turn 10 DLS		5854.59	17.95	174.78	5681.48	280.65	-1154.10	105.42	0.00
Hold 245' @ 65° INC		6478.03	65.00	97.63	6157.72	620.58	-1302.16	426.49	10.00
KOP, Build 10 DLS to Landing		6723.03	65.00	97.63	6261.26	842.58	-1331.64	646.57	0.00
Landing Point, Hold to TD		6989.45	90.25	88.84	6318.00	1099.13	-1345.22	904.07	10.00
7" Casing Point		6990.00	90.25	88.84	6318.00	1099.67	-1345.20	904.62	10.00
Shull Fed-9-59-31-3740CDE BHL		13880.31	90.25	88.84	6288.00	7886.20	-1205.85	7793.46	0.00

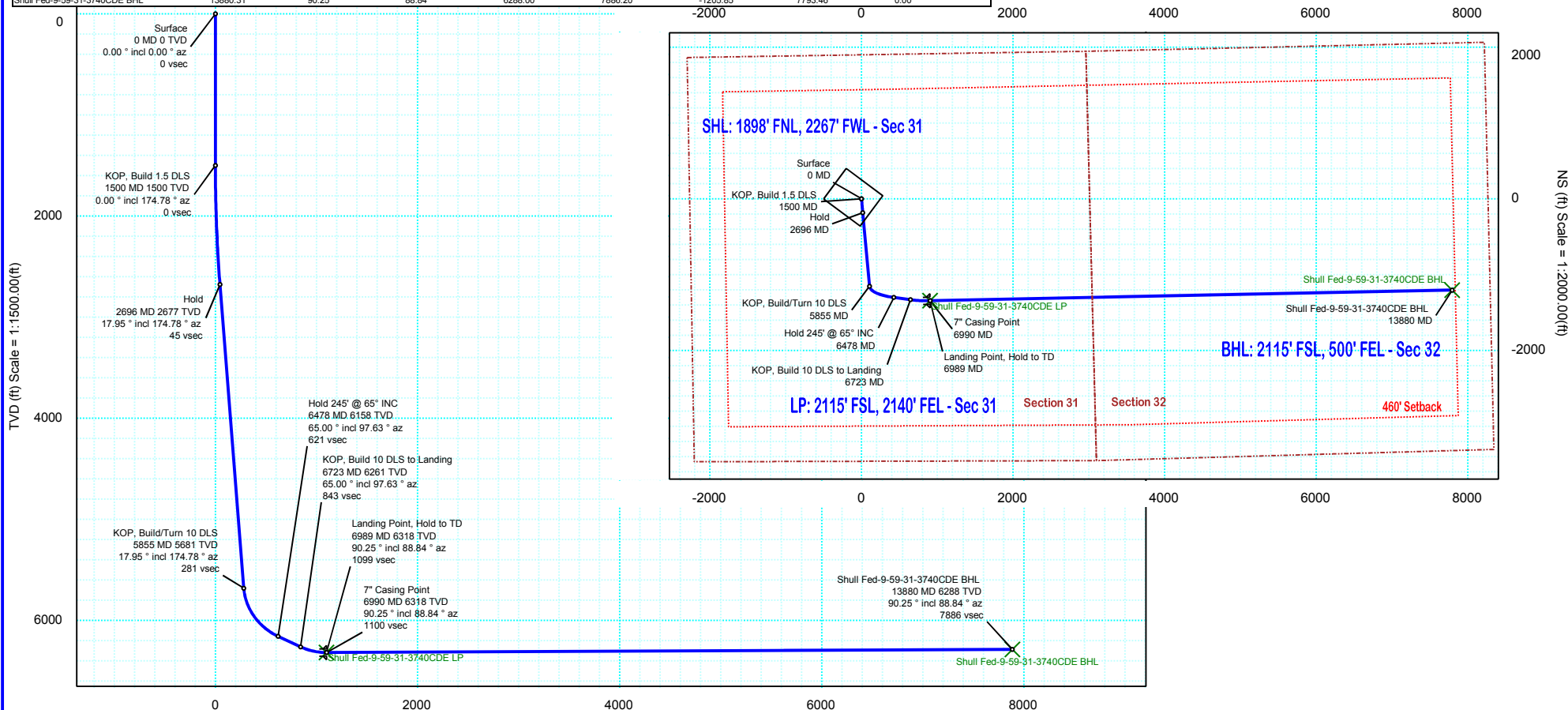
Proposal
Rev 0



Grid
True
Mag

Grid North
Tot Corr (M->G 7.078°)
Mag Dec (8.033°)
Grid Conv (0.955°)

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



Vertical Section (ft) Azim = 98.795° Scale = 1:1500.00(ft) Origin = 0N/-S, 0E/-W