

Borehole:	Well:	Field:	Structure:
Original Hole	Shull Fed-9-59-31-5356CE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 3)

Gravity & Magnetic Parameters			Surface Location			Miscellaneous		
Model:	HDGM 2015	Dip: 67.138°	Date:	13-Apr-2016		Lat: N 40 42 16.40	Northing:	1502919.26ftUS
MagDec:	8.043°	FS: 52760.272nT	Gravity FS:	999.082mgn (9.80665 Based)		Lon: W 104 1 26.03	Easting:	3409244.07ftUS
							Scale Fact:	0.99998817
								Grid Conv: 0.9538°
								Plan: Shull Fed-9-59-31-5356CE R0 mdv 13Apr16

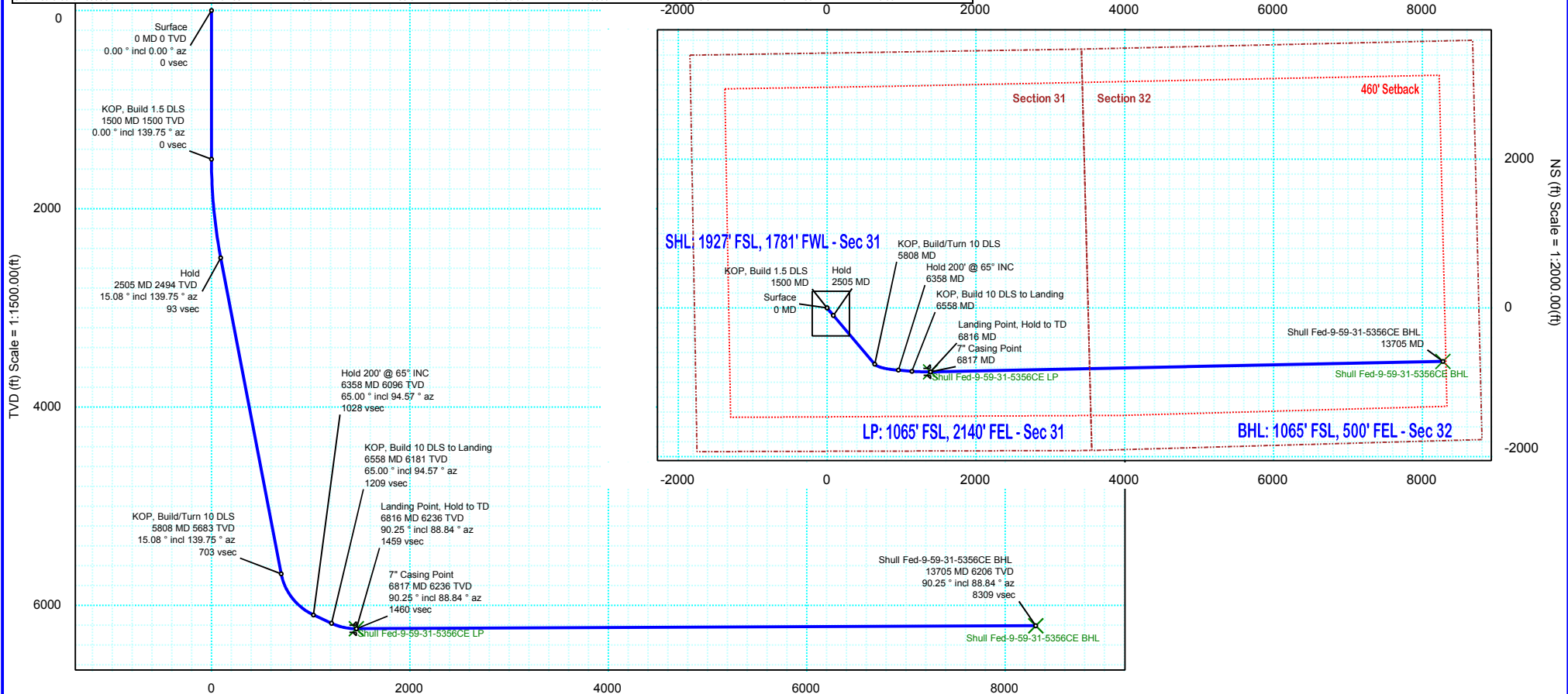
Northing: 1502919.262		Easting: 3409244.072		Surface Location		VSec Azimuth: 94.963	
Target Description		Grid Coord		Longitude: W 104 1 26.03		Local Coord	
Target Name	Latitude	Longitude	North	East	TVD	VSec	N(+)/S(-)
Anderson-Shull Pad Sec 31-32 - 460' Setback	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	43.29	2538.39
Anderson-Shull Pad Sec 31-8N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	43.29	2538.39
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	43.29	2538.39
Pad 3	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	43.29	2538.39
Shull Fed-9-59-31-5356CE BHL	N 40 42 7.92	W 103 59 38.73	1502200.40	3417521.51	6206.00	8308.71	-718.87
Shull Fed-9-59-31-5356CE LP	N 40 42 7.69	W 104 1 8.17	1502061.07	3410634.41	6236.00	1459.39	-858.20
Critical Point		AZIM		TVD		VSEC	
MD	INCL					N(+)/W(-)	
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Build 1.5 DLS	1500.00	0.00	139.75	1500.00	0.00	0.00	0.00
Hold	2505.30	15.08	139.75	2493.73	93.35	-100.39	84.98
KOP, Build/Turn 10 DLS	5808.15	15.08	139.75	5682.85	703.17	-756.24	640.14
Hold 200' @ 65° INC	6357.67	65.00	94.57	6096.48	1028.22	-836.92	959.40
KOP, Build 10 DLS to Landing	6557.67	65.00	94.57	6181.00	1209.47	-851.36	1140.09
Landing Point, Hold to TD	6816.19	90.25	88.84	6236.00	1459.40	-858.20	1390.36
7" Casing Point	6817.00	90.25	88.84	6236.00	1460.20	-858.18	1391.17
Shull Fed-9-59-31-5356CE BHL	13704.86	90.25	88.84	6206.00	8308.71	-718.87	8277.56

Proposal
Rev 0



Grid
True
Mag
Grid North
Tot Corr (M->G 7.089°)
Mag Dec (8.043°)
Grid Conv (0.954°)

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



Vertical Section (ft) Azim = 94.963° Scale = 1:1500.00(ft) Origin = 0N/-S, 0E/-W