

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

Gravity & Magnetic Parameters			Surface Location			Miscellaneous		
Model: HDGM 2015	Dip: 67.141°	Date: 13-Apr-2016	Lat: N 40 42 41.12	North: 1505426.33ftUS	Grid Conv: 0.9546°	Slot: Shull Fed-9-59-31-1209BE	TVD Ref: KB 18ft(4923ft above MSL)	
MagDec: 8.028°	FS: 52770.914nT	Gravity FS: 999.08mgn (9.80665 Based)	Lon: W 104 1 21.56	Easting: 3409546.95ftUS	Scale Fact: 0.9998912	Plan: Shull Fed-9-59-31-1209BE R0 mdy 13Apr16		

Northing: 1505426.332		Easting: 3409546.952		Surface Location		Longitude: W 104 1 21.56		VSec Azimuth: 89.875	
Target Description		Latitude		Grid Coord		Longitude		Local Coord	
Target Name		Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Pad 1		N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-38.94	31.28	-39.01
Anderson-Shull Pad Sec 31-32 - 460' Setback		N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-38.94	31.28	-39.01
Anderson-Shull Pad Sec 31-9N-59W		N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-38.94	31.28	-39.01
Anderson-Shull Pad Sec 32-9N-59W		N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4923.00	-38.94	31.28	-39.01
Shull Fed-9-59-31-1209BE BHL		N 40 42 39.97	W 103 59 39.00	1505443.54	3417445.36	6138.00	7898.53	17.21	7898.51
Shull Fed-9-59-31-1209BE LP		N 40 42 39.73	W 104 1 8.55	1505302.64	3410560.88	6168.00	1003.66	-123.70	1003.94

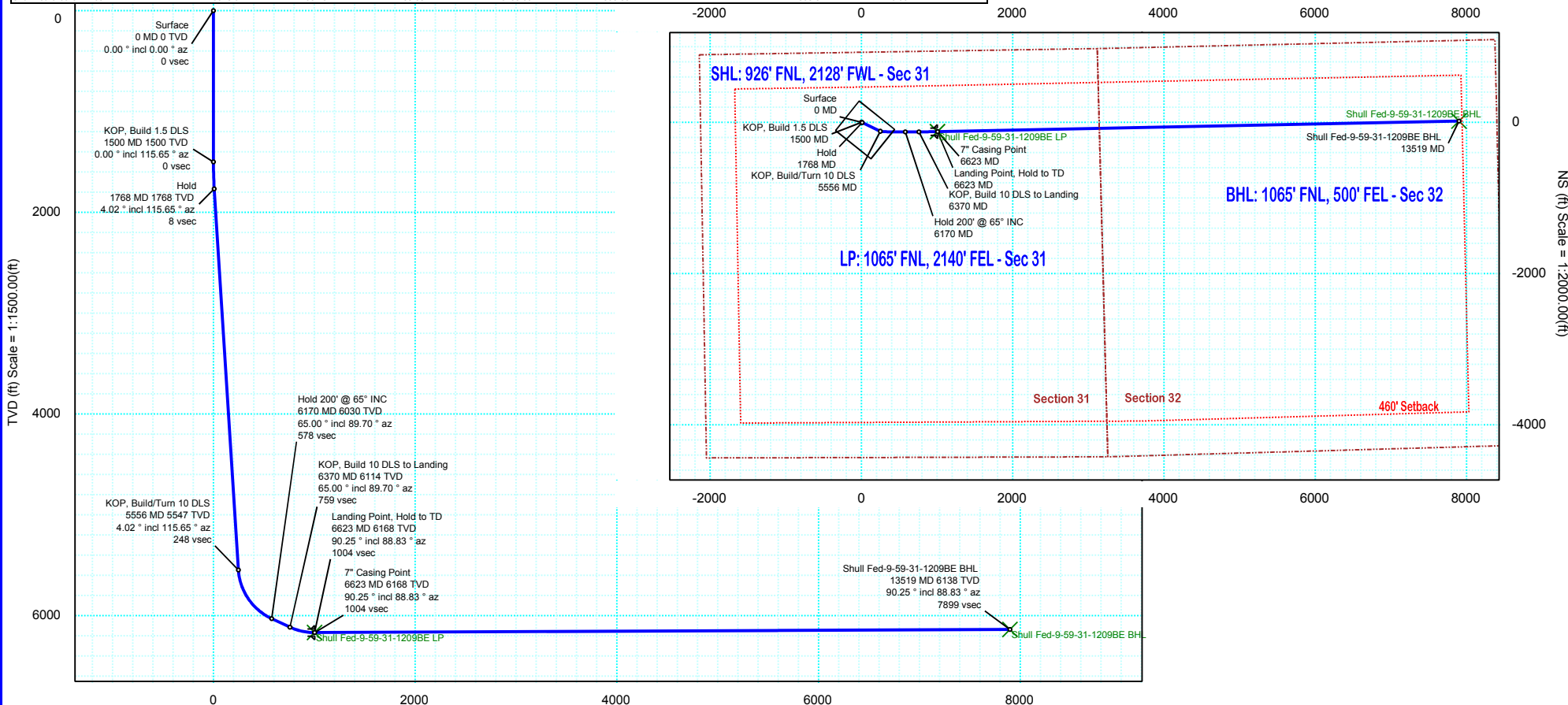
Critical Point		MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Build 1.5 DLS		1500.00	0.00	115.65	1500.00	0.00	0.00	0.00	0.00
Hold		1768.27	4.02	115.65	1768.05	8.48	-4.08	8.49	1.50
KOP, Build/Turn 10 DLS		5556.25	4.02	115.65	5546.69	247.85	-119.16	248.11	0.00
Hold 200' @ 65° INC		6170.20	65.00	89.70	6029.78	577.64	-127.88	577.92	10.00
KOP, Build 10 DLS to Landing		6370.20	65.00	89.70	6114.30	758.90	-126.93	759.18	0.00
Landing Point, Hold to TD		6622.84	90.25	88.83	6168.00	1003.67	-123.70	1003.94	10.00
7" Casing Point		6623.00	88.83	90.25	6168.00	1003.82	-123.69	1004.09	0.00
Shull Fed-9-59-31-1209BE BHL		13518.92	90.25	88.83	6138.00	7898.53	17.21	7898.51	0.00

Proposal
Rev 0



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 = 89.875° Scale = 1:1500.00(ft) Origin = 0N/-S, 0E/-W