

<b>Borehole:</b>	<b>Well:</b>	<b>Field:</b>	<b>Structure:</b>
<b>Original Hole</b>	<b>Shull Fed-9-59-31-6057CE</b>	<b>CO, Weld County (NAD 83 NZ)</b>	<b>31-09N-59W (Anderson-Shull Pad 3)</b>

<b>Gravity &amp; Magnetic Parameters</b>			<b>Surface Location</b>			<b>Miscellaneous</b>		
Model:	HDGM 2015	Dip: 67.138°	Date:	13-Apr-2016		Lat: N 40 42 14.17	Northing: 1502694.26ftUS	Grid Conv: 0.9538°
MagDec:	8.044°	FS: 52759.313nT	Gravity FS:	999.082mgn (9.80665 Based)		Lon: W 104 1 26.08	Easting: 3409244.07ftUS	Scale Fact: 0.99998808
						Slot: Shull Fed-9-59-31-6057CE	TVD Ref: KB 18ft(4898ft above MSL)	Plan: Shull Fed-9-59-31-6057CE R0 mdv 13Apr16

Northing: 1502694.263		Easting: 3409244.074		Surface Location		NAD83 Colorado State Plane, Northern Zone, US Feet		VSec Azimuth: 97.515	
Target Description		Grid Coord		Longitude: W 104 1 26.08		VSec Azimuth: 97.515		Local Coord	
Target Name	Latitude	Longitude	North	East	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	-99.80	2763.39	263.88	
Anderson-Shull Pad Sec 31-8N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-99.80	2763.39	263.88	
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-99.80	2763.39	263.88	
Pad 3	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-99.80	2763.39	263.88	
Shull Fed-9-59-31-6057CE BHL	N 40 42 1.99	W 103 59 38.68	1501600.51	3417535.58	6206.00	8363.46	-1093.77	8291.63	
Shull Fed-9-59-31-6057CE LP	N 40 42 1.76	W 104 1 8.09	1501461.42	3410649.98	6236.00	1555.09	-1232.86	1405.92	

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	148.71	1500.00	0.00	0.00	0.00	
Hold		2811.10	19.67	148.71	2785.51	139.64	-190.40	115.73	1.50
KOP, Build/Turn 10 DLS		5902.86	19.67	148.71	5696.92	791.74	-1079.54	656.19	0.00
Hold 200' @ 65° INC		6442.56	65.00	97.29	6094.95	1117.68	-1197.02	969.47	10.00
KOP, Build 10 DLS to Landing		6642.56	65.00	97.29	6179.47	1298.94	-1220.03	1149.26	0.00
Landing Point, Hold to TD		6908.06	90.25	88.84	6236.00	1555.08	-1232.86	1405.92	10.00
7" Casing Point		6909.00	90.25	88.84	6236.00	1556.01	-1232.84	1406.86	0.00
Shull Fed-9-59-31-6057CE BHL		13795.23	90.25	88.84	6206.00	8363.46	-1093.77	8291.63	0.00

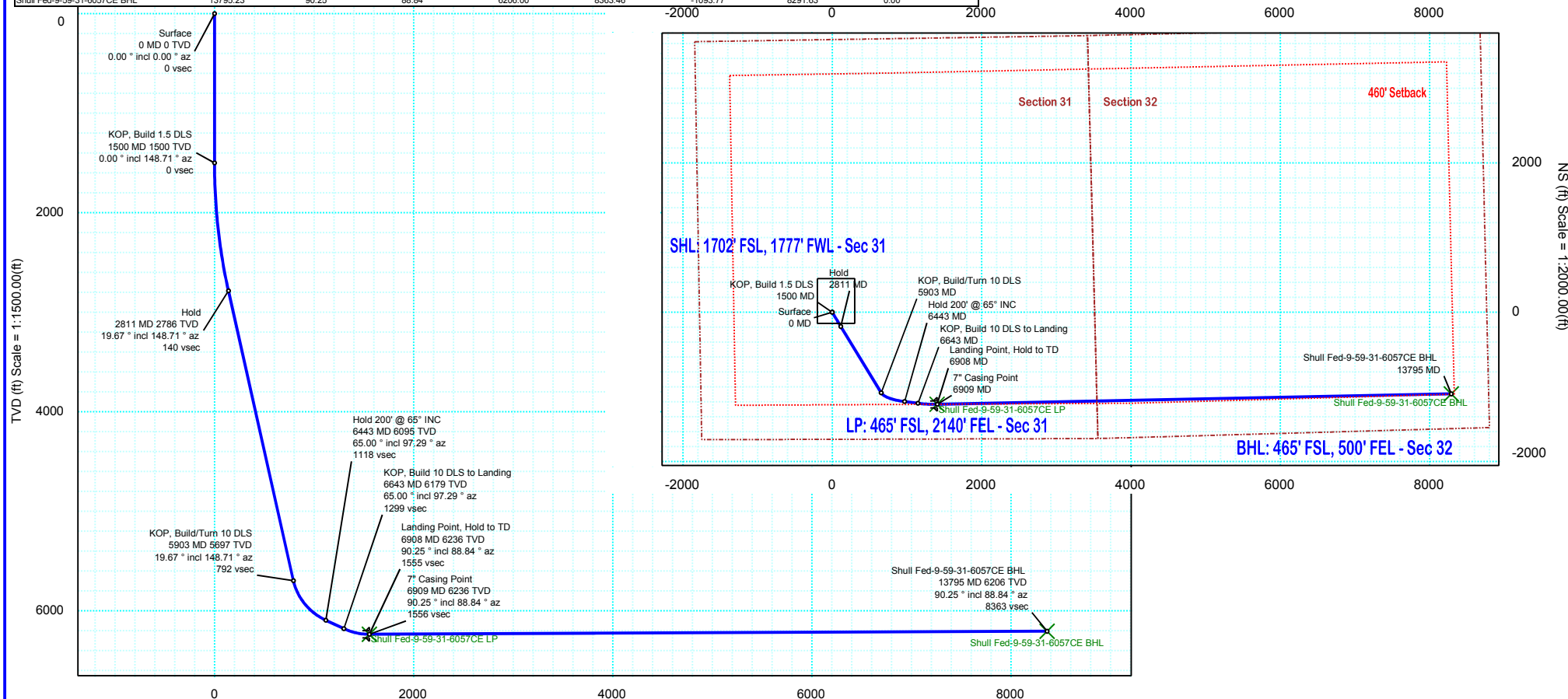
**Proposal**  
**Rev 0**



Grid  
True  
Mag

Grid North  
Tot Corr (M→G 7.090°)  
Mag Dec (8.044°)  
Grid Conv (0.954°)

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



Vertical Section (ft) Azim = 97.515° Scale = 1:1500.00(ft) Origin = 0N/S, 0E/W