

Borehole:	Well:	Field:	Structure:
Original Hole	Shull Fed-9-59-31-2124CDE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 2)

Gravity & Magnetic Parameters					Surface Location				NAD83 Colorado State Plane, Northern Zone, US Feet				Miscellaneous			
Model:	HDGM 2015	Dip:	67.143°	Date:	13-Apr-2016	Lat:	N 40 42 33.01	Northing:	1504605.17ftUS	Grid Conv:	0.9544°	Slot:	Shull Fed-9-59-31-2124CDE	TVD Ref:	KB 18ft(4898ft above MSL)	
MagDec:	8.043°	FS:	52778.965nT	Gravity FS:	999.082mgn(9.80665 Based)	Lon:	W 104 1 22.31	Easting:	3409502.82ftUS	Scale Fact:	0.99998881	Plan:	Shull Fed-9-59-31-2124CDE R0 mdv 13Apr16			

Northing: 1504605.167		Easting: 3409502.822		Surface Location		Longitude: W 104 1 22.31		VSec Azimuth: 89.361	
Target Description		Grid Coord		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	14.63	852.46	5.12	
Pad 2	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	14.63	852.46	5.12	
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	14.63	852.46	5.12	
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	14.63	852.46	5.12	
Shull Fed-9-59-31-2124CDE BHL	N 40 42 32.57	W 103 59 38.94	1504693.94	3417462.80	6288.00	7960.58	88.78	7960.09	
Shull-9-59-31-2124CDE LP	N 40 42 32.32	W 104 1 8.46	1504552.71	3410570.33	6318.00	1066.88	-52.46	1067.53	

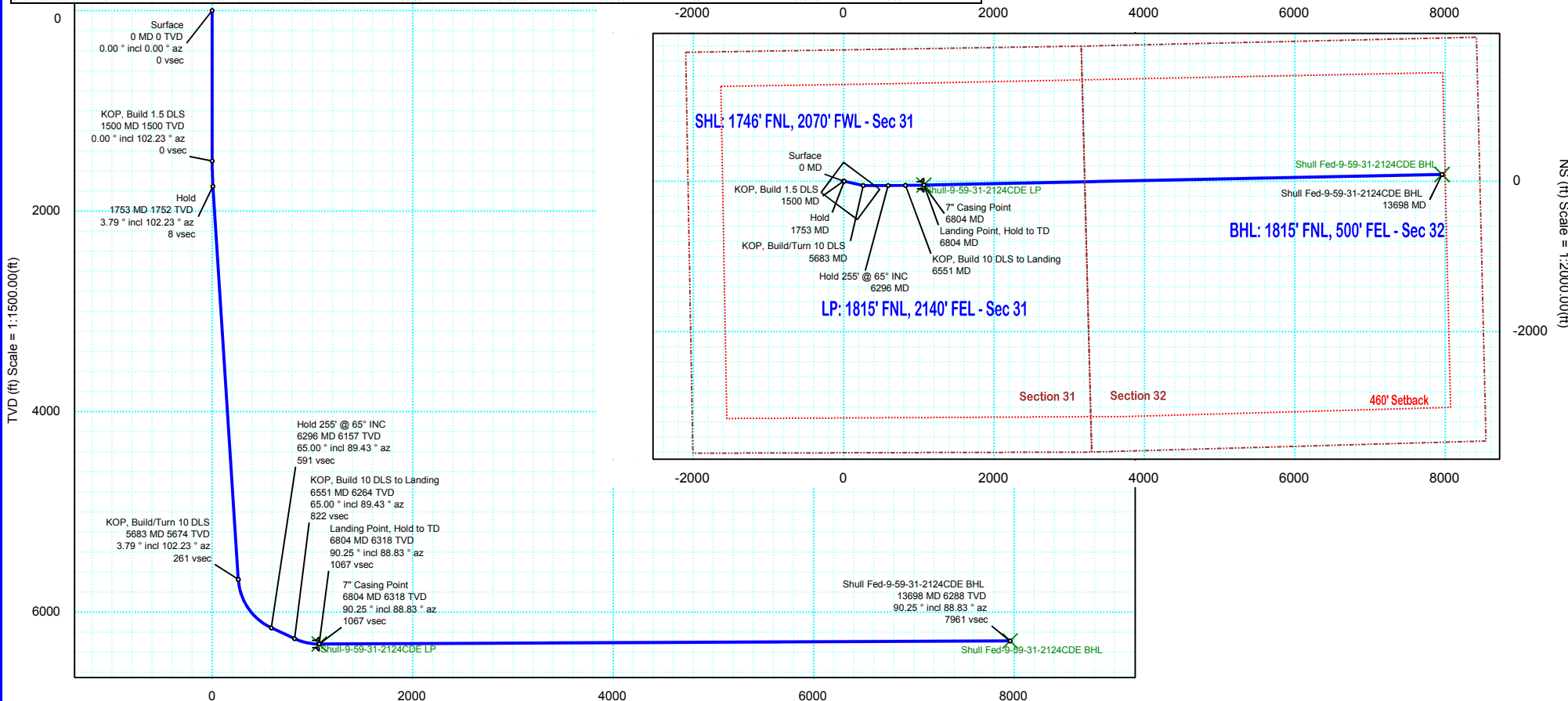
Critical Point		Critical Point		Critical Point		Critical Point		Critical Point	
MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS		
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
KOP, Build 1.5 DLS	1500.00	102.23	1500.00	0.00	0.00	0.00	0.00		
Hold	1752.67	3.79	102.23	1752.49	8.14	-1.77	8.16	1.50	
KOP, Build/Turn 10 DLS	5682.98	3.79	102.23	5674.20	261.42	-56.81	262.07	0.00	
Hold 255° @ 65° INC	6296.05	65.00	89.43	6156.53	591.05	-58.52	591.74	10.00	
KOP, Build 10 DLS to Landing	6551.05	65.00	89.43	6264.30	822.16	-56.24	822.84	0.00	
Landing Point, Hold to TD	6803.63	90.25	88.83	6318.00	1066.88	-52.46	1067.53	10.00	
7" Casing Point	6804.00	90.25	88.83	6318.00	1067.25	-52.45	1067.90	0.00	
Shull Fed-9-59-31-2124CDE BHL	13697.70	90.25	88.83	6288.00	7960.58	88.77	7960.09	0.00	

Proposal
Rev 0



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 = 89.361° Scale = 1:1500.00(ft) Origin = 0N/-S, 0E/-W