

Borehole:	Well:	Field:	Structure:
Original Hole	Anderson Fed-8-59-6-0508BE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 4)

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	HDGM 2015	Dip:	67.139°	Date:	13-Apr-2016	Lat:	N 40 42 3.13	Northing:	1501587.25ftUS	Grid Conv:	0.9552°
MagDec:	8.047°	FS:	52754.791nT	Gravity FS:	999.082mgn (9.80665 Based)	Lon:	W 104 1 17.79	Easting:	3409900.66ftUS	Scale Fact:	0.99988766
								Plan: Anderson Fed-8-59-6-0508BE R0 mdv 13Apr16			

Surface Location											
Nothing: 1501587.254			Easting: 3409900.655			Latitude: N 40 42 3.13			Longitude: W 104 1 17.79		
VSec Azimuth: 96.311											
Target Description			Local Coord								
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)	DLS		
Anderson-Shull Pad Sec 5-8N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-815.79	3870.42	-392.71	0.00		
Anderson-Shull Pad Sec 6-8N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-815.79	3870.42	-392.71	0.00		
Anderson-Shull Pad Sec 5-6 460' Setback	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-815.79	3870.42	-392.71	0.00		
Pad 4	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-815.79	3870.42	-392.71	0.00		
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-815.79	3870.42	-392.71	0.00		
Anderson Fed-8-59-6-0508BE BHL	N 40 41 52.86	W 103 59 32.09	1500684.97	3418058.92	6108.00	-8208.12	-902.29	8158.38	13654.00		
Anderson Fed-8-59-6-0508BE LPL	N 40 41 52.50	W 104 1 1.82	1500532.37	3411148.87	6138.00	-1356.63	-1054.90	1248.24	0.00		
Critical Points											
	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	151.57	1500.00	0.00	0.00	0.00	0.00			
Hold	2601.99	16.53	151.57	2586.76	89.97	-138.82	75.17	1.50			
KOP, Build, Turn 10 DLS	5716.26	16.53	151.57	5572.33	594.96	-917.98	497.06	0.00			
Hold 200' Tangent @ 65° INC	6281.98	65.00	95.98	5998.22	924.39	-1024.24	816.74	10.00			
KOP, Build 10 DLS to Landing	6481.98	65.00	95.98	6082.74	1105.64	-1043.12	997.02	0.00			
Landing Point	6741.69	90.25	89.70	6138.00	1356.63	-1054.90	1248.24	10.00			
7" Casing Point	6742.00	90.25	89.70	6138.00	1356.94	-1054.90	1248.55	0.00			
End of Hold, Turn 1 DLS	8741.69	90.25	89.70	6129.28	3343.31	-1044.43	3248.19	0.00			
Hold to TD	8879.43	90.25	88.32	6128.68	3479.93	-1042.05	3385.90	1.00			
Anderson Fed-8-59-6-0508BE BHL	13654.00	90.25	88.32	6108.00	8208.12	-902.29	8158.38	0.00			

**Proposal
Rev 0**



Grid
True
Mag

Grid North
Tot Corr (M->G 7.092°)
Mag Dec (8.047°)
Grid Conv (0.955°)

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

