

Borehole:	Well:	Field:	Structure:
Original Hole	Anderson Fed-8-59-6-1209CE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 4)

Gravity & Magnetic Parameters				Surface Location NAD83 Colorado State Plane, Northern Zone, US Feet				Miscellaneous			
Model:	HDGM 2015	Dip:	67.139°	Date:	13-Apr-2016	Lat:	N 40 42 2.64	Northing:	1501537.25ftUS	Grid Conv:	0.9552°
MagDec:	8.047°	FS:	52754.582nT	Gravity FS:	999.082mgn (9.80665 Based)	Lon:	W 104 1 17.81	Easting:	3409900.66ftUS	Scale Fact:	0.99998764
								Slot: Anderson Fed-8-59-6-1209CE			
								TVD Ref: KB 18ft(4893ft above MSL)			
								Plan: Anderson Fed-8-59-6-1209CE R0 mdv 13Apr16			

Northing: 1501537.254		Easting: 3409900.656		Surface Location		Longitude: W 104 1 17.81		VSec Azimuth: 98.042	
Target Description		Grid Coord		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	-937.32	3920.42	-392.72	
Anderson-Shull Pad Sec 6-8N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-937.32	3920.42	-392.72	
Anderson-Shull Pad Sec 5-6 460' Setback	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-937.32	3920.42	-392.72	
Pad 4	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-937.32	3920.42	-392.72	
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-937.32	3920.42	-392.72	
Anderson Fed-8-59-6-1209CE BHL	N 40 41 49.89	W 103 59 32.16	1500384.71	34118057.92	6201.00	-8238.40	-1152.56	8157.38	
Anderson Fed-8-59-6-1209CE LP	N 40 41 49.54	W 104 1 1.88	1500232.49	3411149.17	6231.00	-1152.56	-1304.78	1248.54	
Critical Points									
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	156.47	1500.00	0.00	0.00	0.00	0.00	
Hold	2794.21	19.41	156.47	2769.59	113.69	-199.11	86.69	1.50	
KOP, Build/Turn 10 DLS	5870.33	19.41	156.47	5670.82	648.97	-1136.55	494.84	0.00	
Hold 200' @ 65° INC	6433.47	65.00	97.68	6089.65	980.26	-1267.12	810.96	10.00	
KOP, Build 10 DLS to Landing	6633.47	65.00	97.68	6174.17	1161.52	-1291.33	990.60	0.00	
Landing Point, Hold to TD	6900.34	90.26	88.74	6231.00	1418.80	-1304.78	1248.53	10.00	
7" Casing Point	6901.00	90.26	88.74	6231.00	1419.45	-1304.77	1249.20	0.00	
Anderson Fed-8-59-6-1209CE BHL	13810.93	90.24	88.74	6201.00	8238.40	-1152.56	8157.38	0.00	

Proposal
Rev 0



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

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

