

Borehole:	Well:	Field:	Structure:
Original Hole	Anderson Fed-8-59-6-1209AE	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	NAD83 Colorado State Plane, Northern Zone, US Feet	Slot: Anderson Fed-8-59-6-1209AE TVD Ref: KB 18ft(4893ft above MSL)
MagDec: 8.048° FS: 52754.477nT Gravity FS: 999.082mgn (9.80665 Based)	Lat: N 40 42 2.39 Northing: 1501512.25ftUS Grid Conv: 0.9552° Lon: W 104 1 17.81 Easting: 3409900.66ftUS Scale Fact: 0.99998763	Plan: Anderson Fed-8-59-6-1209AE R0 mdv 13Apr16

Surface Location									
Northing: 1501512.254		Easting: 3409900.657		Latitude: N 40 42 2.39		Longitude: W 104 1 17.81		VSec Azimuth: 98.902	
Target Description				Grid Coord				Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)S(-)	E(+)W(-)	
Anderson-Shull Pad Sec 5-8N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-998.52	3945.42	-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	-998.52	3945.42	-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	-998.52	3945.42	-392.72	
Pad 4	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4893.00	-998.52	3945.42	-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	-998.52	3945.42	-392.72	
Anderson Fed-8-59-6-1209AE BHL	N 40 41 48.41	W 103 59 32.20	1500234.58	3418057.43	6001.00	8256.35	-1277.70	8156.89	
Anderson Fed-8-59-6-1209AE LP	N 40 41 48.06	W 104 1 1.91	1500082.37	3411149.47	6031.00	1455.05	-1429.90	1248.83	
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	158.09	1500.00	0.00	0.00	0.00	0.00	
Hold	2991.82	22.38	158.09	2954.18	147.35	-266.86	107.34	1.50	
KOP, Build/Turn 10 DLS	5727.89	22.38	158.09	5484.22	680.94	-1233.24	496.07	0.00	
Hold 200' @ 65° INC	6280.60	65.00	99.32	5888.40	1011.32	-1383.23	806.98	10.00	
KOP, Build 10 DLS to Landing	6480.60	65.00	99.32	5972.92	1192.57	-1412.58	985.85	0.00	
Landing Point, Hold to TD	6753.03	90.25	88.74	6031.00	1455.06	-1429.90	1248.83	10.00	
7" Casing Point	6754.00	90.25	88.74	6031.00	1456.02	-1429.88	1249.80	0.00	
Anderson Fed-8-59-6-1209AE BHL	13662.83	90.25	88.74	6001.00	8256.35	-1277.70	8156.88	0.00	

Proposal
Rev 0



Grid North
Tot Corr (M->G 7.093°)
Mag Dec (8.048°)
Grid Conv (0.955°)

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

