

Borehole:	Well:	Field:	Structure:
Original Hole	Shull Fed-9-59-31-5356CDE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 3)

Gravity & Magnetic Parameters			Surface Location			Miscellaneous		
Model: HDGM 2015	Dip: 67.138°	Date: 13-Apr-2016	Lat: N 40 42 14.92	North: 1502769.26ftUS	Grid Conv: 0.9538°	Slot: Shull Fed-9-59-31-5356CDE	TVD Ref: KB 18ft(4898ft above MSL)	
MagDec: 8.043°	FS: 52759.632nT	Gravity FS: 999.082mgn(9.80665 Based)	Lon: W 104 1 26.06	Easting: 3409244.07ftUS	Scale Fact: 0.99998811	Plan: Shull Fed-9-59-31-5356CDE R0 mdv 13Apr16		

Northing: 1502769.262		Easting: 3409244.073		Surface Location		Longitude: W 104 1 26.06		VSec Azimuth: 94.962	
Target Description		Grid Coord		Local Coord					
Target Name	Latitude	Longitude	Northing	Easting	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	30.36	2688.39	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	30.36	2688.39	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	30.36	2688.39	263.88	
Pad 3	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	30.36	2688.39	263.88	
Shull Fed-9-59-31-5356CDE BHL	N 40 42 6.44	W 103 59 38.71	1502050.34	3417525.17	6288.00	8312.36	-718.93	8281.21	
Shull Fed-9-59-31-5356CDE LP	N 40 42 6.21	W 104 1 8.15	1501911.02	3410638.31	6318.00	1463.26	-858.26	1394.25	

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		139.67		1500.00		0.00		0.00		0.00		0.00	
Hold		2486.18		14.79		139.67		2475.26		89.97		-96.51		81.93		1.50	
KOP, Build/Turn 10 DLS		5886.50		14.79		139.67		5762.88		706.98		-758.36		643.80		0.00	
Hold 200' @ 65° INC		6437.88		65.00		94.45		6178.53		1032.36		-837.62		963.52		10.00	
KOP, Build 10 DLS to Landing		6637.88		65.00		94.45		6263.05		1213.61		-851.68		1144.24		0.00	
Landing Point, Hold to TD		6896.12		90.25		88.84		6318.00		1463.26		-858.26		1394.25		10.00	
7" Casing Point		6897.00		90.25		88.84		6318.00		1464.13		-858.24		1395.13		0.00	
Shull Fed-9-59-31-5356CDE BHL		13784.56		90.25		88.84		6288.00		8312.36		-718.93		8281.21		0.00	

Proposal
Rev 0



Grid
True
Mag

Grid North
Tot Corr (M→G 7.089°)
Mag Dec (8.043°)
Grid Conv (0.954°)

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

