Crescent Point Energy

Schlumberger

Borehole:	Well:	Field:	Structure:
Original Hole	Shull Fed-9-59-31-2825CE	CO, Weld County (NAD 83 NZ)	31-09N-59W (Anderson-Shull Pad 2)

Gravity & Magnetic Parameters

Model:	HDGM 2015	Dip:	67.143°	Date:	13-Apr-2016
MagDec:	8.043°	FS:	52778.965nT	Gravity FS:	999.082mgn (9.80665 Based)

Surface Location NAD83 Colorado State Plane, Northern Zone, US Feet

Lat:	N 40 42 32.56	Northing:	1504560.4ftUS	Grid Conv:	0.9546°
Lon:	W 104 1 21.53	Easting:	3409562.99ftUS	Scale Fact:	0.99998879

Miscellaneous

Slot:	Shull Fed-9-59-31-2825CE	TVD Ref:	KB 18ft(4898ft above MSL)
Plan:	Shull Fed-9-59-31-2825CE R0 mdv 13Apr16		

Surface Location

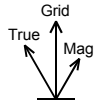
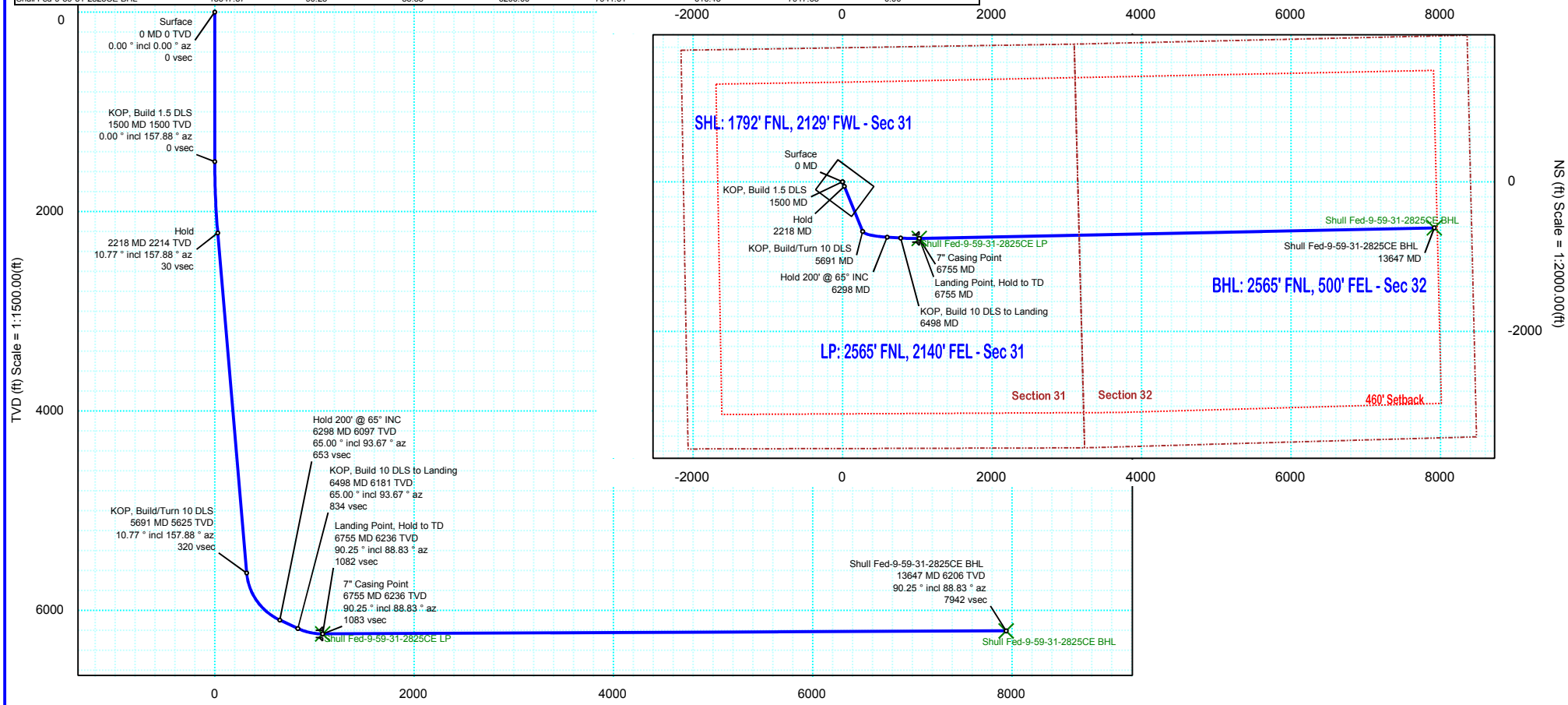
Northing: 1504560.404 Easting: 3409562.989 Latitude: N 40 42 32.56 Longitude: W 104 1 21.53 VSec Azimuth: 94.452

Target Description	Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Anderson-Shull Pad Sec 31-32 - 460' Setback	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-124.52	897.22	-55.04
Pad 2	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-124.52	897.22	-55.04
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-124.52	897.22	-55.04
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-124.52	897.22	-55.04
Shull Fed-9-59-31-2825CE BHL	N 40 42 25.15	W 103 59 38.88	1503943.99	3417480.53	6206.00	7941.61	-616.43	7917.65
Shull Fed-9-59-31-2825CE LP	N 40 42 24.90	W 104 1 8.37	1503802.78	3410589.52	6236.00	1082.25	-757.64	1026.54

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	
KOP, Build 1.5 DLS	1500.00	0.00	157.88	1500.00	0.00	0.00	0.00	0.00
Hold	2218.07	10.77	157.88	2213.85	30.10	-62.34	25.34	1.50
KOP, Build/Turn 10 DLS	5690.58	10.77	157.88	5625.18	320.38	-663.55	269.69	0.00
Hold 200' @ 65° INC	6297.93	65.00	93.67	6096.86	652.68	-741.14	596.95	10.00
KOP, Build 10 DLS to Landing	6497.93	65.00	93.67	6181.38	833.92	-752.74	777.84	0.00
Landing Point, Hold to TD	6754.75	90.25	88.83	6236.00	1082.25	-757.64	1026.54	10.00
7" Casing Point	6755.00	90.25	88.83	6236.00	1082.50	-757.63	1026.79	0.00
Shull Fed-9-59-31-2825CE BHL	13647.37	90.25	88.83	6206.00	7941.61	-616.43	7917.65	0.00

Proposal
Rev 0



Grid North
Tot Corr (M->G 7.088°)
Mag Dec (8.043°)
Grid Conv (0.955°)