Crescent Point Energy

Schlumberger

Borehole:	Well:	Field:	Structure:
Original Hole	Shull Fed-9-59-31-2825AE	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 32.86	Northing:	1504590.25ftUS	Grid Conv:	0.9545°
Lon:	W 104 1 22.05	Easting:	3409522.87ftUS	Scale Fact:	0.9999888

Miscellaneous

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

Surface Location

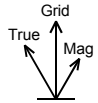
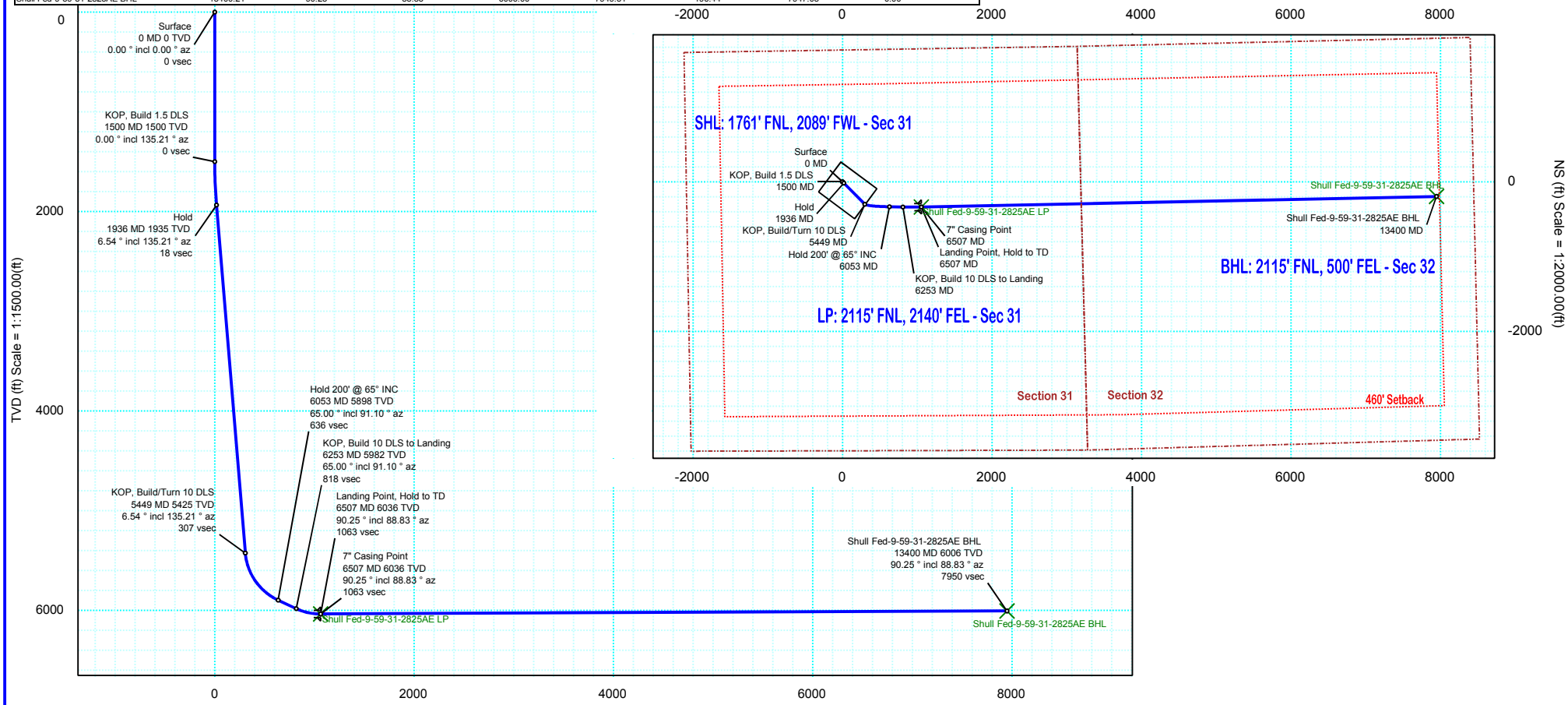
Northing:	1504590.249	Easting:	3409522.868	Latitude:	N 40 42 32.86	Longitude:	W 104 1 22.05	VSec Azimuth:	91.416

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	-36.35	867.38	-14.92
Pad 2	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-36.35	867.38	-14.92
Anderson-Shull Pad Sec 31-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-36.35	867.38	-14.92
Anderson-Shull Pad Sec 32-9N-59W	N 40 42 41.43	W 104 1 22.06	1505457.62	3409507.95	4898.00	-36.35	867.38	-14.92
Shull Fed-9-59-31-2825AE BHL	N 40 42 29.60	W 103 59 38.91	1504393.81	3417469.84	6006.00	7949.51	-196.44	7947.08
Shull Fed-9-59-31-2825AE LP	N 40 42 29.35	W 104 1 8.43	1504252.95	3410577.84	6036.00	1063.00	-337.30	1054.98

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	135.21	1500.00	0.00	0.00	0.00	0.00
Hold	1935.80	6.54	135.21	1934.85	17.93	-17.62	17.50	1.50
KOP, Build/Turn 10 DLS	5449.16	6.54	135.21	5425.37	306.65	-301.48	299.29	0.00
Hold 200' @ 65° INC	6053.15	65.00	91.10	5897.60	636.27	-334.22	628.20	10.00
KOP, Build 10 DLS to Landing	6253.15	65.00	91.10	5982.12	817.53	-337.70	809.43	0.00
Landing Point, Hold to TD	6506.61	90.25	88.83	6036.00	1063.00	-337.30	1054.98	10.00
7" Casing Point	6507.00	90.25	88.83	6036.00	1063.39	-337.29	1055.37	0.00
Shull Fed-9-59-31-2825AE BHL	13400.21	90.25	88.83	6006.00	7949.51	-196.44	7947.08	0.00

Proposal
Rev 0



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