Fulcrum Energy Operating

Rev 1

Borehole:	Well:	Field:	Structure:
SU 0680 1-4H5	SU 0680 1-4H5	CO, Jackson County (NAD 83 NZ)	Fulcrum Energy 09-6N-80W (Surprise Unit 0680 S9 Pad)

Gravity & Magnetic Parameters

Model:	HDGM 2023	Dip:	66.369°	Date:	15-Jun-2023		
MagDec:	8.377°	FS:	51602.495nT	Gravity FS:	998.774mgn (9.80665 Based)		

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

Lat:	N 40 30 35.83	Northing:	1429843.81ftUS	Grid Conv:	-0.5716°		
Lon:	W 106 23 4.75	Easting:	2754018.4ftUS	Scale Fact:	0.99996706		

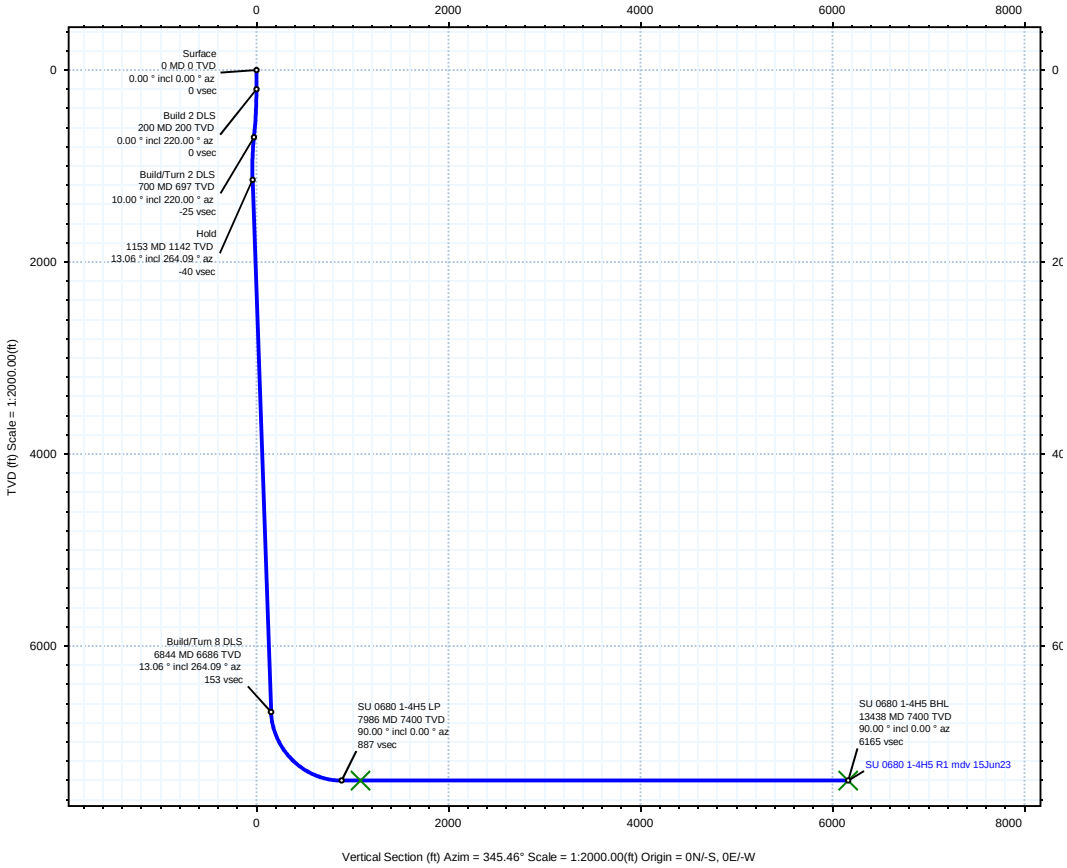
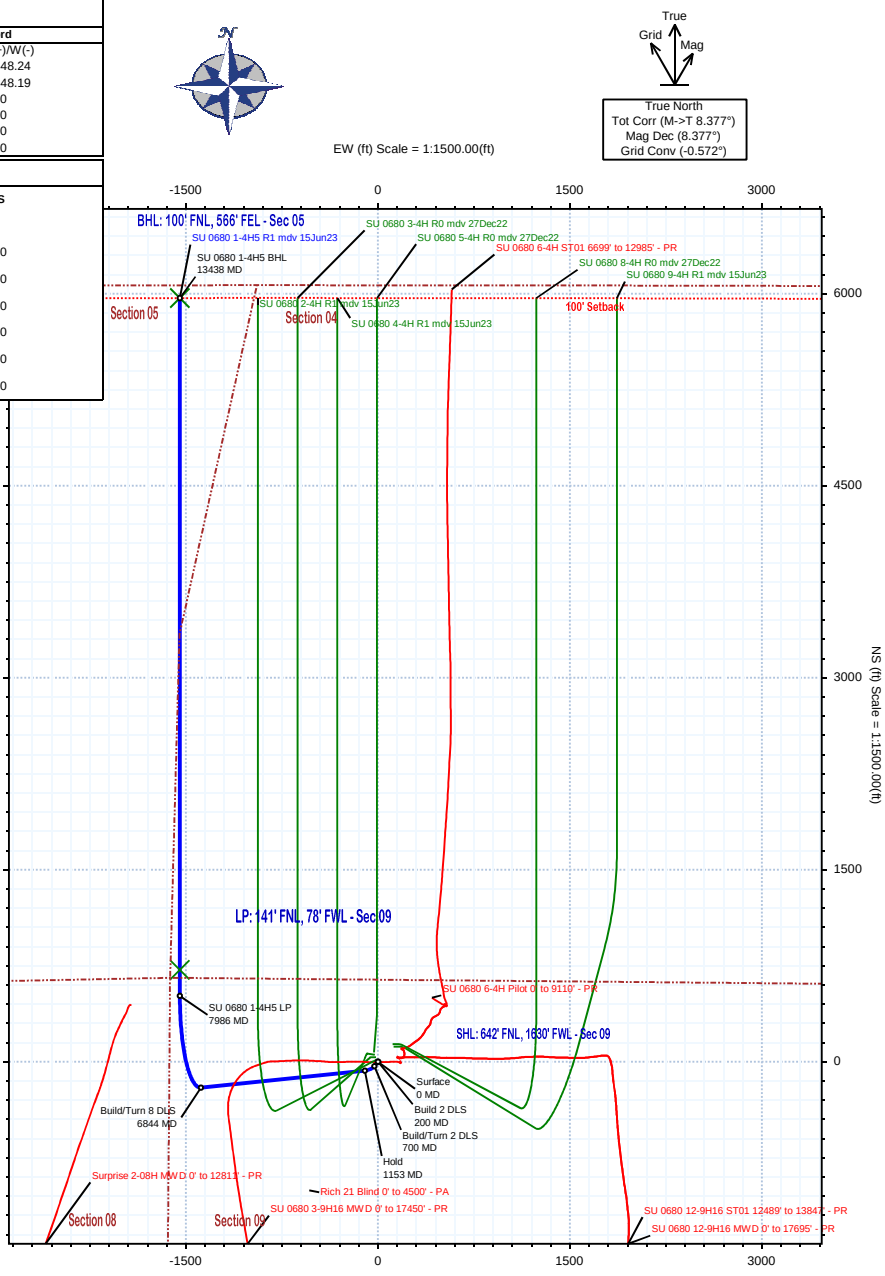
Miscellaneous

Slot:	SU 0680 1-4H5	TVD Ref:	KB 26ft(8293ft above MSL)		
Plan:	SU 0680 1-4H5 R1 mdv 15Jun23				

Surface Location

Northing: 1429843.80991218 Easting: 2754018.39801304 Latitude: N 40 30 35.83 Longitude: W 106 23 4.75 VSec Azimuth: 345.46

Target Description	Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
SU 0680 1-4H5 LP	N 40 30 42.94	W 106 23 24.80	1430578.04	2752477.46	7400.00	1084.63	718.85	-1548.24
SU 0680 1-4H5 BHL	N 40 31 34.80	W 106 23 24.80	1435825.99	2752529.87	7400.00	6164.81	5967.24	-1548.19
Suprise Unit 0680 S9 Pad - Sec 16 - 100' BHL	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	0.00	0.00	0.00
Suprise Unit 0680 S9 Pad - Sec 05-04 - 100' BHL	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	0.00	0.00	0.00
Suprise Unit 0680 S9 Pad - Sec 09-05-04-16	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	0.00	0.00	0.00
Suprise Unit 0680 S9 Pad - Sec 09-16	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	0.00	0.00	0.00

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	
Build 2 DLS	200.00	0.00	220.00	200.00	0.00	0.00	0.00	0.00
Build/Turn 2 DLS	700.00	10.00	220.00	697.47	-25.25	-33.34	-27.98	2.00
Hold	1153.13	13.06	264.09	1142.22	-40.41	-68.82	-104.35	2.00
Build/Turn 8 DLS	6844.01	13.06	264.09	6685.91	152.73	-201.16	-1383.48	0.00
SU 0680 1-4H5 LP	7985.67	90.00	0.00	7400.00	887.16	514.85	-1548.24	8.00
SU 0680 1-4H5 BHL	13438.06	90.00	0.00	7400.00	6164.81	5967.24	-1548.19	0.00