Fulcrum Energy Operating

Rev 1

Borehole:	Well:	Field:	Structure:
SU 0680 2-4H	SU 0680 2-4H	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:	51602.539nT	Gravity FS:	998.774mgn (9.80665 Based)		

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

Lat:	N 40 30 36.02	Northing:	1429862.47ftUS	Grid Conv:	-0.5716°
Lon:	W 106 23 4.86	Easting:	2754010.52ftUS	Scale Fact:	0.99996706

Miscellaneous

Slot:	SU 0680 2-4H	TVD Ref:	KB 26ft(8293ft above MSL)
Plan:	SU 0680 2-4H R1 mdv 15Jun23		

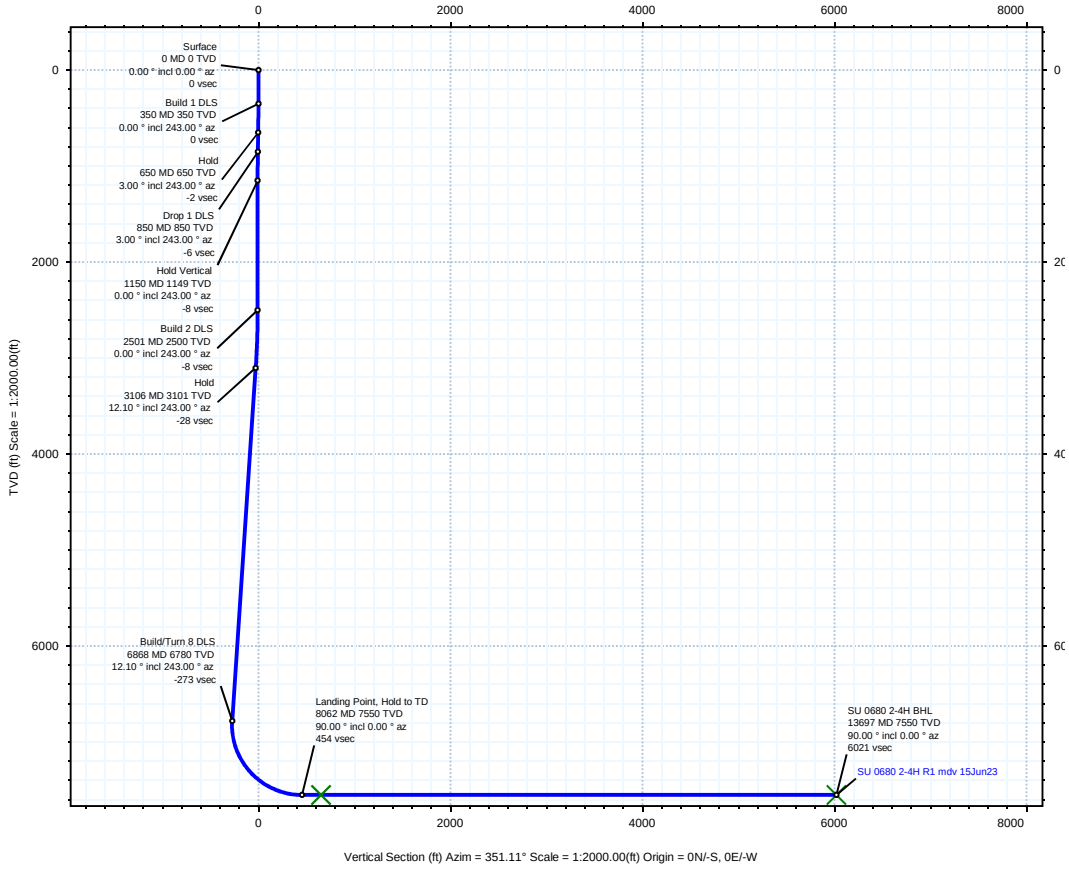
Surface Location

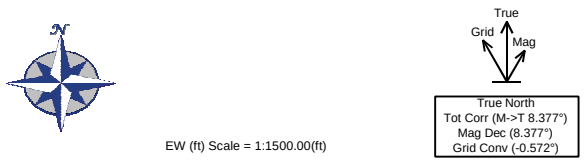
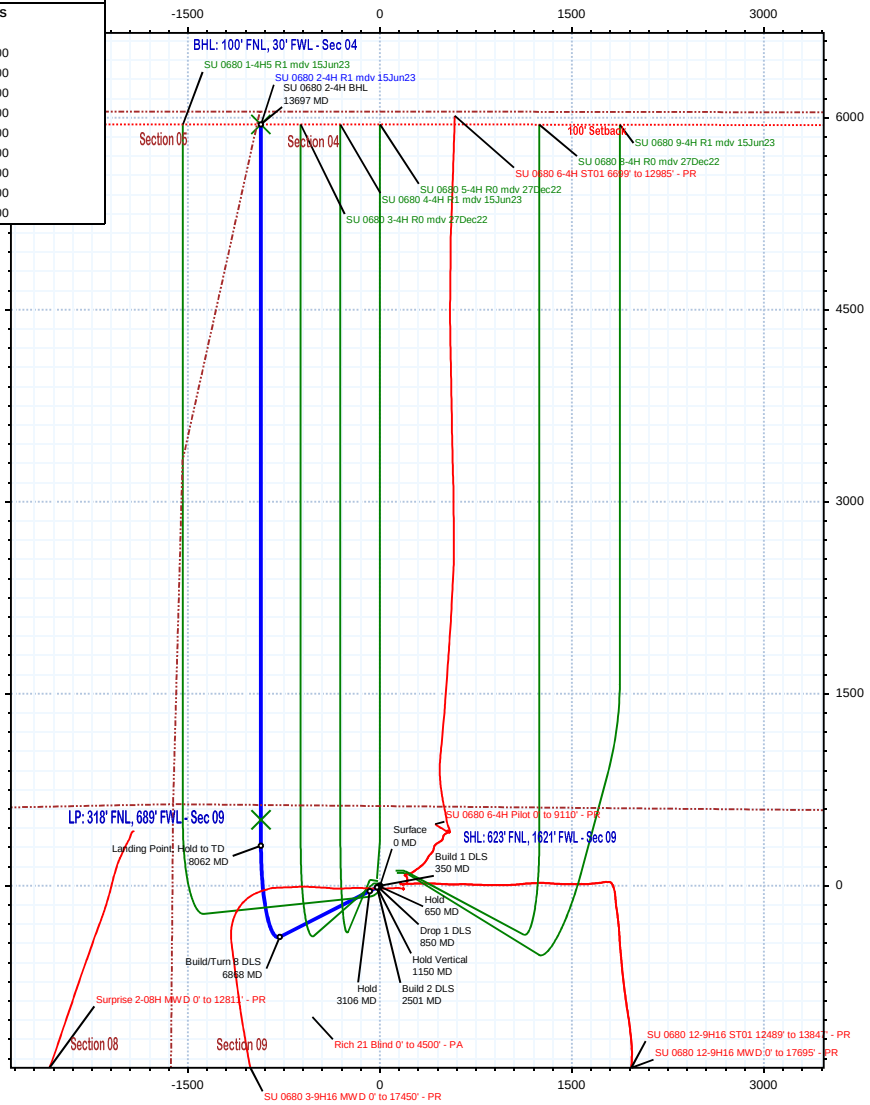
Northing: 1429862.46905672 Easting: 2754010.52007437 Latitude: N 40 30 36.02 Longitude: W 106 23 4.86 VSec Azimuth: 351.11

Target Description	Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
SU 0680 2-4H BHL	N 40 31 34.80	W 106 23 16.90	1435820.24	2753139.76	7550.00	6021.28	5949.00	-930.19
SU 0680 2-4H LP	N 40 30 41.11	W 106 23 16.90	1430386.87	2753085.62	7550.00	652.67	515.16	-930.12
Suprise Unit 0680 S9 Pad - Sec 16 - 100' HL	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	-19.60	-18.58	8.06
Suprise Unit 0680 S9 Pad - Sec 05-04 - 100' HL	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	-19.60	-18.58	8.06
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	-19.60	-18.58	8.06
Suprise Unit 0680 S9 Pad - Sec 09-16	N 40 30 35.83	W 106 23 4.75	1429843.81	2754018.40	8293.00	-19.60	-18.58	8.06

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 1 DLS	350.00	0.00	243.00	350.00	0.00	0.00	0.00	0.00
Hold	650.00	3.00	243.00	649.86	-2.44	-3.56	-7.00	1.00
Drop 1 DLS	850.00	3.00	243.00	849.59	-5.70	-8.32	-16.32	0.00
Hold Vertical	1150.00	0.00	243.00	1149.45	-8.14	-11.88	-23.32	1.00
Build 2 DLS	2500.55	0.00	243.00	2500.00	-8.14	-11.88	-23.32	0.00
Hold	3105.72	12.10	243.00	3100.68	-27.93	-40.79	-80.06	2.00
Build/Turn 8 DLS	6868.24	12.10	243.00	6779.56	-273.20	-398.95	-782.98	0.00
Landing Point, Hold to TD	8061.52	90.00	0.00	7550.00	453.93	314.00	-930.19	8.00
SU 0680 2-4H BHL	13696.52	90.00	0.00	7550.00	6021.28	5949.00	-930.19	0.00





EW (ft) Scale = 1:1500.00(ft)