Confluence DJ

Rev 2

Borehole:	Well:	Field:	Structure:
Original Hole	Middlepark 18-9-2	CO, Weld County (NAD 83 NZ) - 2019	Confluence 18-04N-62W (Middlepark Pad)

Gravity & Magnetic Parameters

Model:	HDGM 2022	Dip:	66.694°	Date:	12-Nov-2022
MagDec:	7.721°	FS:	51798.769nT	Gravity FS:	999.058mgn (9.80665 Based)

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

Lat:	N 40 18 22.21	Northing:	1356383.12ftUS	Grid Conv:	0.7295°
Lon:	W 104 22 15.67	Easting:	3314859.31ftUS	Scale Fact:	0.99995731

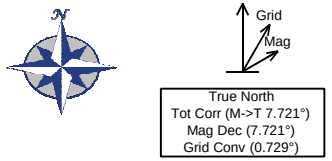
Miscellaneous

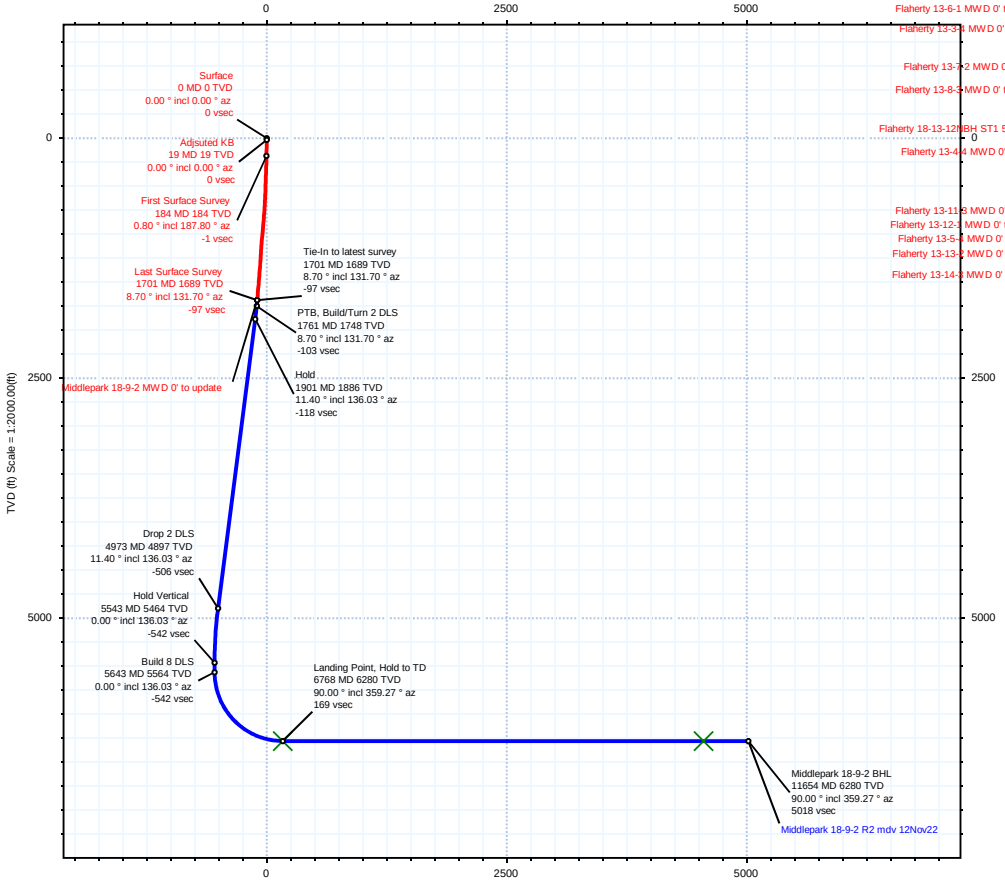
Slot:	Middlepark 18-9-2	TVD Ref:	KB = 23ft(4586ft above MSL)
Plan:	Middlepark 18-9-2 R2 mdv 12Nov22		

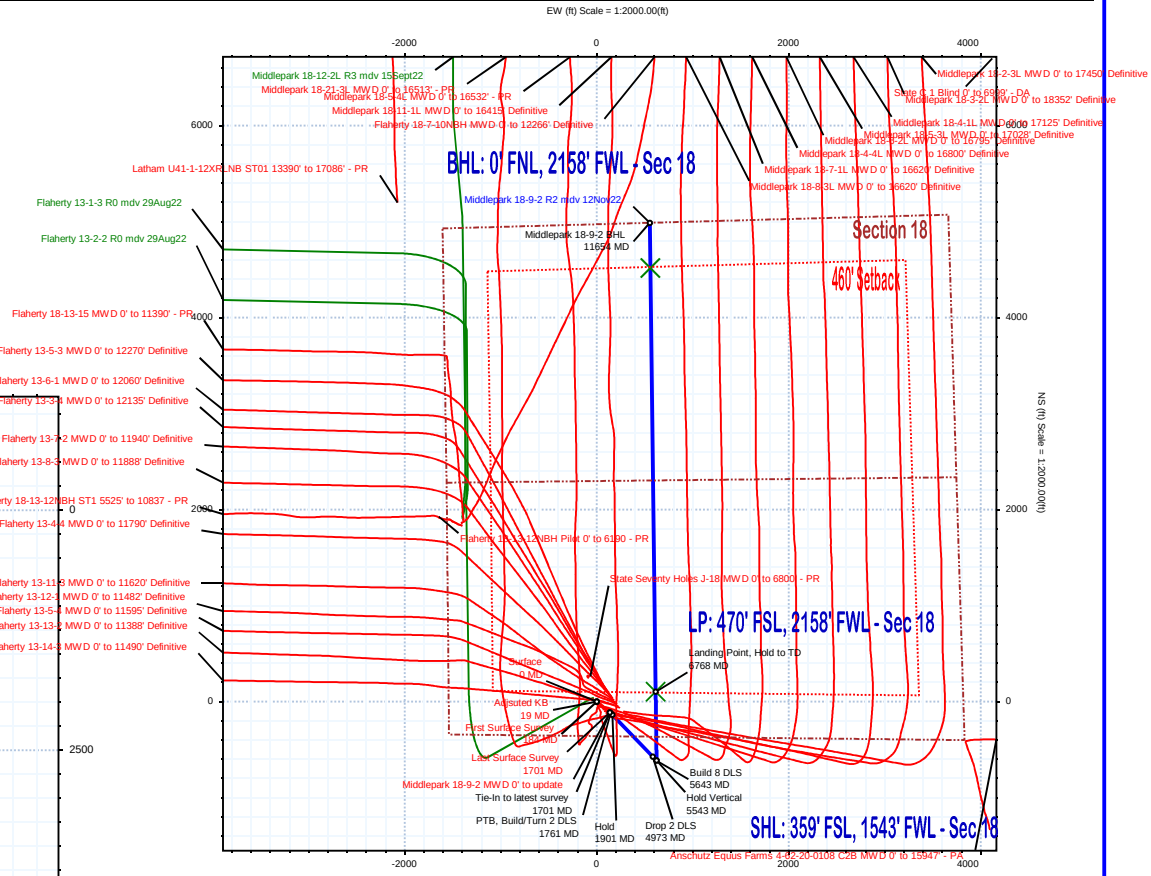
Surface Location

Northing: 1356383.12068 517 Easting: 3314859.30504 232 Latitude: N 40 18 22.21 Longitude: W 104 22 15.67 VSec Azimuth: 6.31

Target Description	Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Middlepark Pad Sec 18 - 1/2 mile	N 40 18 20.95	W 104 22 11.96	1356259.29	3315148.17	4586.00	-95.14	-127.51	287.28
Flaherty 18-7-10NBH Sec 18 - 460' SB	N 40 19 10.91	W 104 22 06.41	1361290.45	3313190.57	4586.00	4721.88	4928.39	-1606.19
Flaherty 18-7-10NBH Sec 18	N 40 19 10.91	W 104 22 06.41	1361290.45	3313190.57	4586.00	4721.88	4928.39	-1606.19
Middlepark 18-9-2 LP	N 40 18 23.22	W 104 22 7.75	1356492.93	3315471.52	6280.00	168.87	102.01	613.60
Middlepark 18-9-2 BHL	N 40 19 6.85	W 104 22 8.47	1360907.06	3315359.44	6280.00	4551.34	4517.41	557.71







Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In to latest survey	1701.00	8.70	131.70	1689.01	-97.50	-113.30	137.46	
PTB, Build/Turn 2 DLS	1761.00	8.70	131.70	1748.32	-102.75	-119.34	144.24	0.00
Hold	1901.22	11.40	136.03	1886.38	-117.75	-136.37	161.78	2.00
Drop 2 DLS	4972.90	11.40	136.03	4897.42	-505.80	-573.43	583.40	0.00
Hold Vertical	5543.03	0.00	136.03	5463.80	-541.93	-614.13	622.66	2.00
Build 8 DLS	5643.03	0.00	136.03	5563.80	-541.93	-614.13	622.66	0.00
Landing Point, Hold to TD	6768.03	90.00	359.27	6280.00	168.87	102.01	613.60	8.00
Middlepark 18-9-2 BHL	11653.58	90.00	359.27	6280.00	5017.60	4987.17	551.77	0.00