



PDC Energy

Schlumberger

Borehole:	Well:	Field:	Structure:
Original Hole	Lincoln State 1N-17C-M	CO, Weld County (NAD 83 NZ) - 2019	PDC Energy 18-06N-66W (Lincoln State 3-18 Pad DSU 59)

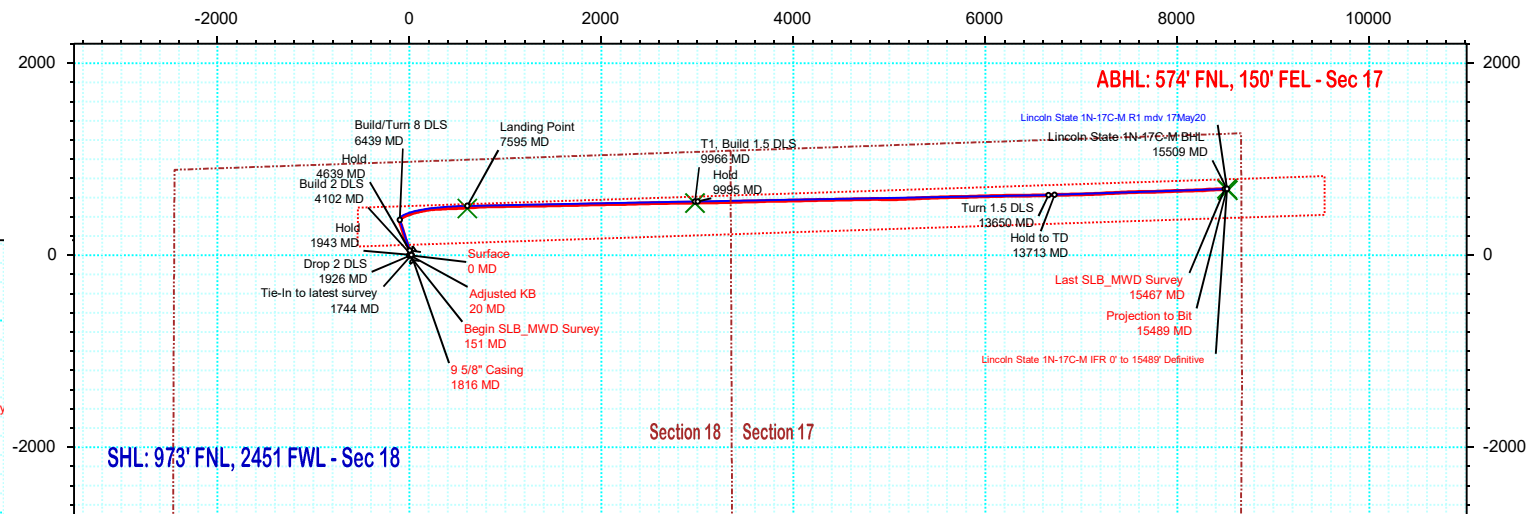
Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	Magvar IFR	Dip:	66.79°	Date:	18-May-2020	Lat:	N 40 29 30.94	Northing:	1422767.42ftUS	Grid Conv:	0.4371°
MagDec:	7.599°	FS:	52305NT	Gravity FS:	999.042mgn (9.80665 Based)	Lon:	W 104 49 24.81	Easting:	3188139.09ftUS	Scale Fact:	0.99996568
								Slot:	Lincoln State 1N-17C-M	TVD Ref:	KB 20ft(4871ft above MSL)
								Plan:	Lincoln State 1N-17C-M IFR 0' to 15489' Definitive		

Final PvA

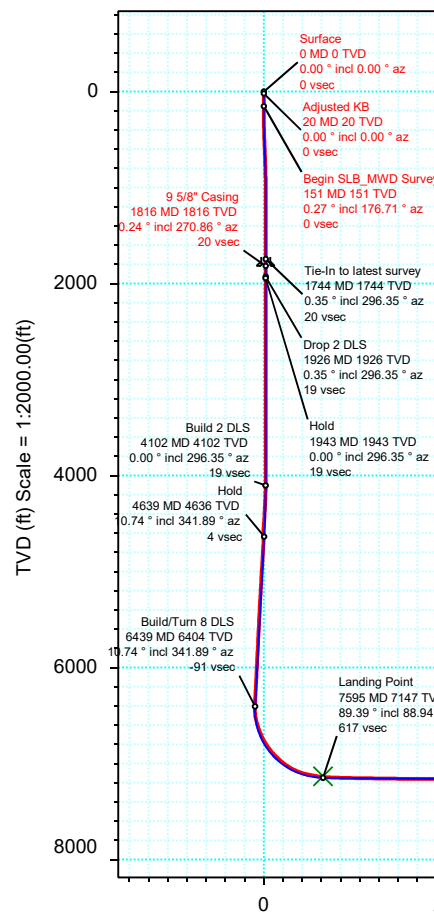
EW (ft) Scale = 1:2000.00(ft)



True North
Tot Corr (M->T 7.599°)
Mag Dec (7.599°)
Grid Conv (0.437°)



NS (ft) Scale = 1:2000.00(ft)



Surface Location								
Northing: 1422767.4248288			Easting: 3188139.08671097		Latitude: N 40 29 30.94		Longitude: W 104 49 24.81	
							VSec Azimuth: 88.51	
Target Description		Grid Coord					Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Lincoln State 3-18 Pad Sec 18-17	N 40 29 30.75	W 104 49 24.81	1422747.75	3188138.96	4871.00	-0.79	-19.67	-0.28
Lincoln State 3-18 Pad Sec 18-17 - 1N-1C HL	N 40 29 30.75	W 104 49 24.81	1422747.75	3188138.96	4871.00	-0.79	-19.67	-0.28
Lincoln State 1N-17C-M TOP	N 40 29 35.75	W 104 49 17.00	1423258.73	3188738.61	7131.00	615.73	486.74	603.28
Lincoln State 1N-17C-M - T1	N 40 29 36.30	W 104 48 46.30	14706469.12	1692445.59	7172.30	2987.67	542.37	2974.57
Lincoln State 1N-17C-M BHL	N 40 29 37.75	W 104 47 34.59	1423523.09	3196648.36	7189.80	8530.19	690.76	8515.10
Lincoln State 1N-17C-M - T2	N 40 29 37.60	W 104 47 34.47	14706613.29	1697992.81	7189.80	8538.96	675.49	8524.28

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	
Adjusted KB	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin SLB_MWD Survey	151.00	0.27	176.71	151.00	0.01	-0.31	0.02	0.21
9 5/8" Casing	1816.00	0.24	270.86	1815.67	19.51	0.85	19.49	0.24
Last SLB_MWD Survey	15467.00	90.12	86.73	7197.85	8507.82	688.63	8492.78	1.75
Projection to Bit	15489.00	90.12	86.73	7197.81	8529.81	689.89	8514.75	0.00

Vertical Section (ft) Azim = 88.51° Scale = 1:2000.00(ft) Origin = 0N/-S, 0E/-W