

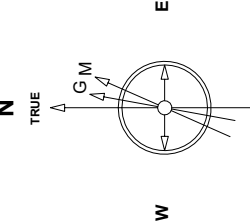
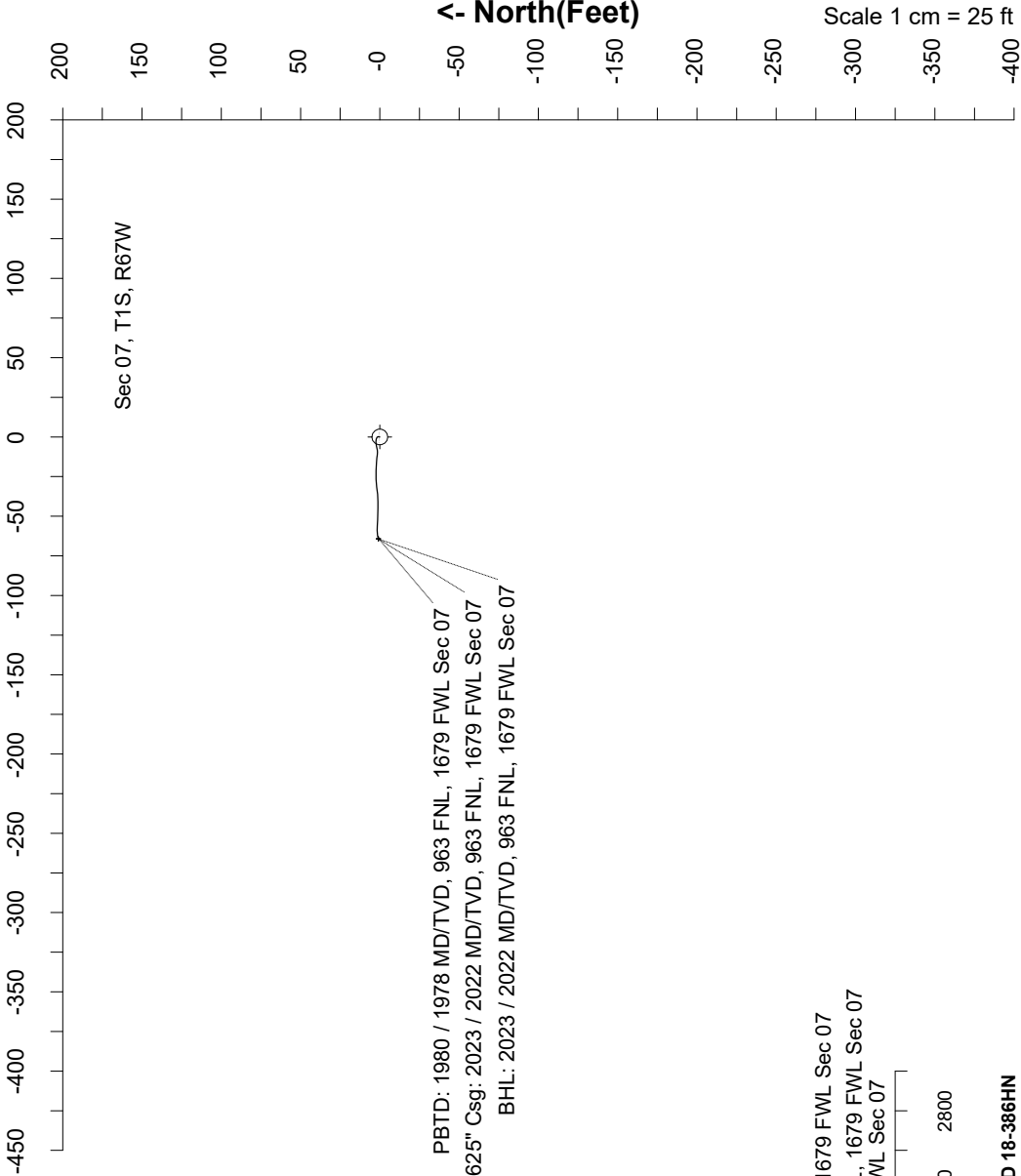
Great Western Operating Company, LLC

Created by	mmount
Date plotted	29-Apr-2020
Plot reference is B-Farm LD 18-386HN (AWB).	
Ref wellpath is B-Farm LD 18-386HN (AWP#1).	
Coordinates are in Feet reference W-14 - B-Farm LD 18-386HN.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Actual Datum #1	
Rig Datum to Mean Sea Level: 5131.00 ft	
Plot North is aligned to TRUE North.	

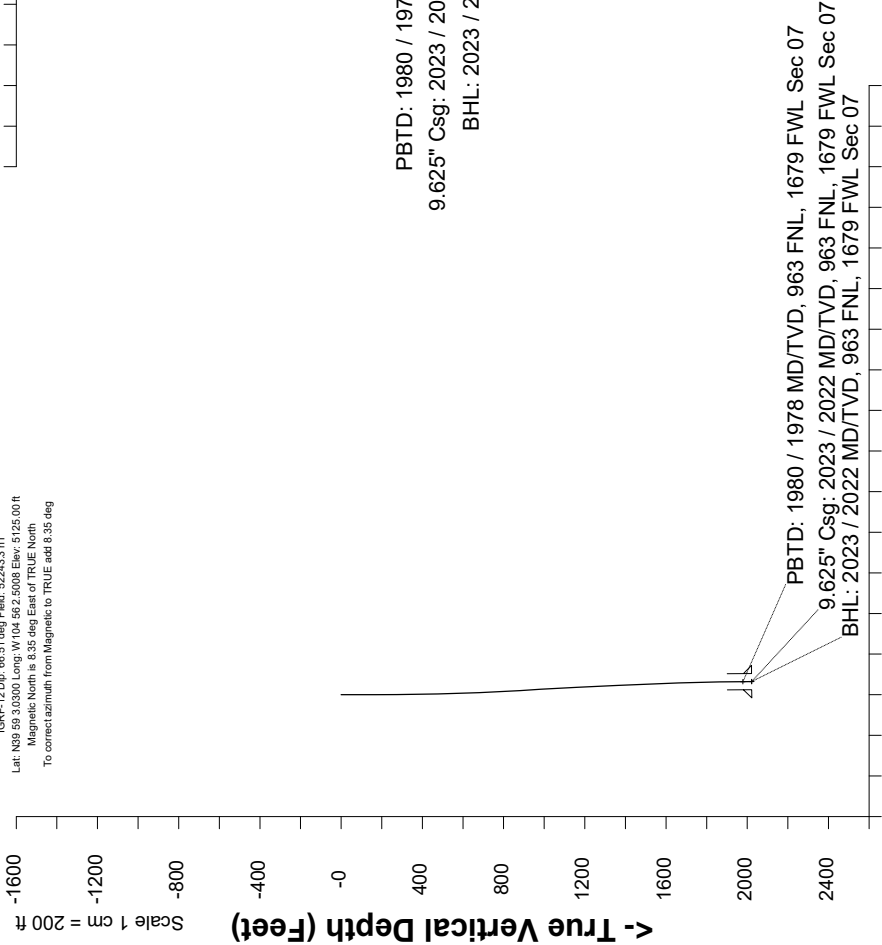
Location	Colorado	Slot	W-14 - B-Farm LD 18-386HN
Field	Wattenburg	Well	B-Farm LD 18-386HN
Installation	B-Farm	Wellbore	B-Farm LD 18-386HN (AWB)

Scale 1 cm = 25 ft

East (Feet) ->



Sep-8-2016  
IGRF-12 Dip: 66.51 deg Field: 52243.3 nT  
Lat: N39 59 3.0300 Long: W104 59 2.5008 Elev: 5125.00 ft  
Magnetic North is 8.35 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.35 deg



Vertical Section (Feet) ->

Scale 1 cm = 200 ft

Azimuth 270.76 with reference 0.00 N, 0.00 E from W-14 - B-Farm LD 18-386HN

Great Western Operating Co, LLC  
 Directional Survey Report  
 Wellpath: B-Farm LD 18-386HN  
 MDs and TVDs are from Rig Floor 5131.0ft above Mean Sea Level

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	DLS [deg/100ft]	Vertical Section[ft]
0.00	0.00	0.00	0.00	0.00	0.00		0.00
84.00	0.57	6.88	84.00	0.41	0.05	0.00	-0.04
172.00	0.44	2.31	172.00	1.19	0.12	0.00	-0.10
262.00	0.62	303.86	261.99	1.80	-0.27	0.00	0.30
354.00	0.97	282.06	353.98	2.24	-1.45	0.00	1.48
443.00	1.23	273.19	442.97	2.45	-3.14	0.00	3.17
533.00	1.85	255.61	532.93	2.15	-5.51	0.00	5.54
623.00	1.67	261.06	622.89	1.58	-8.21	0.00	8.23
713.00	2.24	277.32	712.84	1.60	-11.25	0.00	11.27
803.00	3.43	276.44	802.73	2.13	-15.67	0.00	15.70
893.00	3.69	269.67	892.55	2.41	-21.25	0.00	21.28
983.00	3.34	268.70	982.39	2.34	-26.76	0.00	26.79
1073.00	2.90	261.58	1072.25	1.94	-31.64	0.00	31.66
1163.00	2.86	264.31	1162.14	1.39	-36.12	0.00	36.14
1253.00	2.99	270.02	1252.02	1.17	-40.70	0.00	40.72
1343.00	2.59	270.73	1341.91	1.19	-45.08	0.00	45.10
1433.00	2.29	271.08	1431.83	1.25	-48.92	0.00	48.93
1523.00	2.29	272.83	1521.76	1.38	-52.51	0.00	52.52
1612.00	2.11	274.06	1610.70	1.58	-55.92	0.00	55.94
1702.00	1.76	269.58	1700.64	1.69	-58.95	0.00	58.97
1792.00	1.45	263.08	1790.61	1.54	-61.47	0.00	61.48
1882.00	0.75	248.75	1880.59	1.19	-63.15	0.00	63.16
1965.00	0.44	259.92	1963.59	0.94	-63.97	0.00	63.97
2023.00	0.44	259.92	2021.59	0.86	-64.40	0.00	64.41