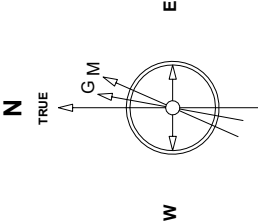


Great Western Operating Company, LLC

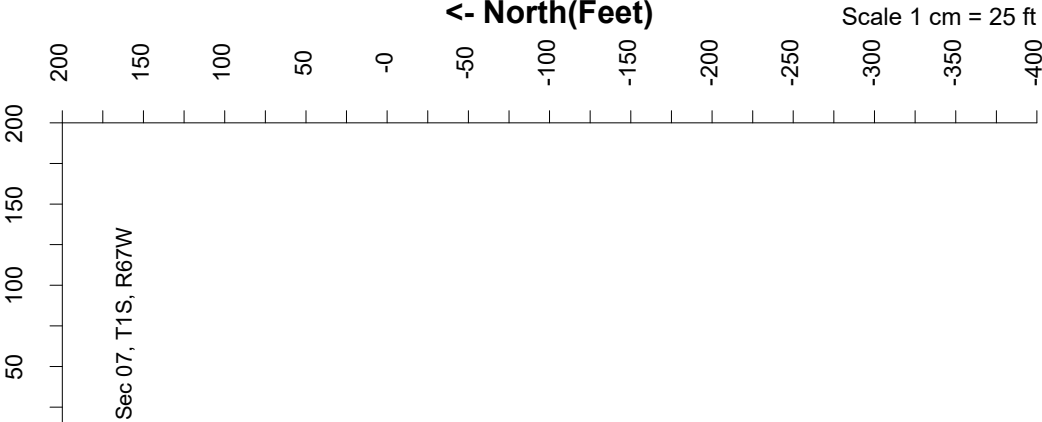
Created by	mmount
Date plotted	29-Apr-2020
Plot reference is B-Farm LD 18-387HC (AWB).	
Ref wellpath is B-Farm LD 18-387HC (AWP#1).	
Coordinates are in Feet reference W-15 - B-Farm LD 18-387HC.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Actual Datum #1	
Rig Datum to Mean Sea Level: 5131.00 ft	
Plot North is aligned to TRUE North.	

Location	Colorado	Slot	W-15 - B-Farm LD 18-387HC
Field	Wattenburg	Well	B-Farm LD 18-387HC
Installation	B-Fam	Wellbore	B-Farm LD 18-387HC (AWB)

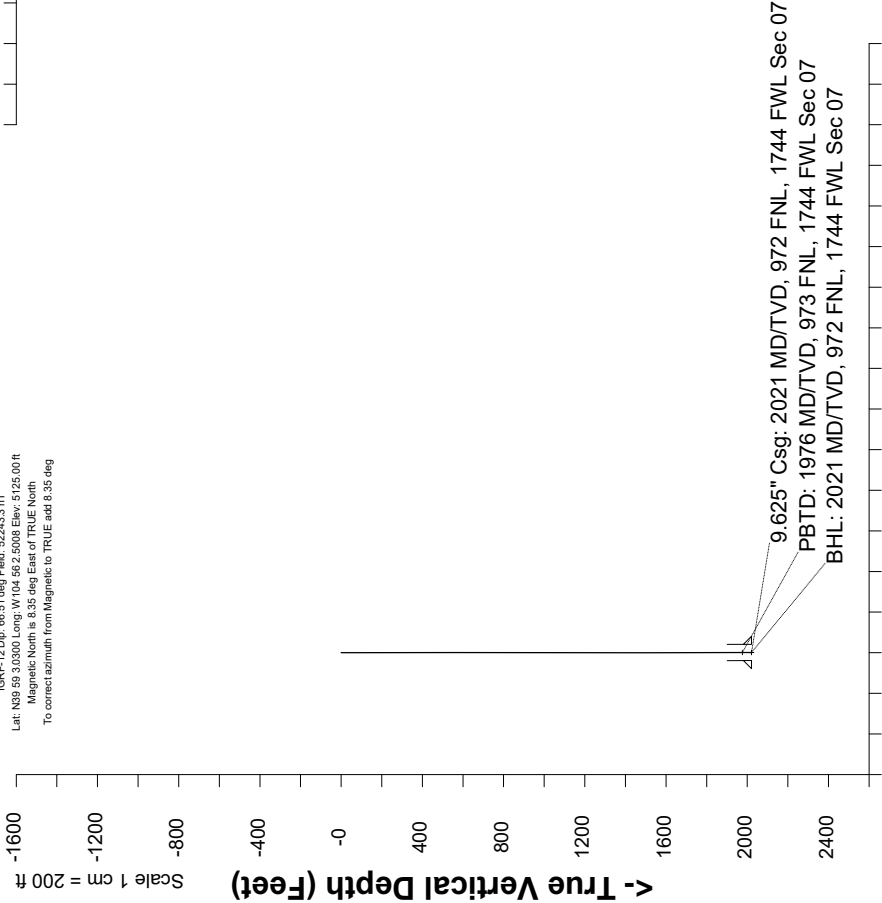


East (Feet) ->

Scale 1 cm = 25 ft



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 9.35 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 31.63 with reference 0.00 N, 0.00 E from W-15 - B-Farm LD 18-387HC

Great Western Operating Co, LLC  
 Directional Survey Report  
 Wellpath: B-Farm LD 18-387HC  
 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	344.73	84.00	0.40	-0.11	0.00	0.29
172.00	0.22	301.22	172.00	0.91	-0.37	0.00	0.58
262.00	0.26	298.76	262.00	1.10	-0.70	0.00	0.57
354.00	0.04	165.08	354.00	1.17	-0.87	0.00	0.54
443.00	0.18	157.52	443.00	1.01	-0.81	0.00	0.44
533.00	0.26	208.41	532.99	0.70	-0.85	0.00	0.15
623.00	0.09	278.02	622.99	0.53	-1.02	0.00	-0.08
713.00	0.18	67.08	712.99	0.60	-0.96	0.00	0.00
803.00	0.35	45.55	802.99	0.84	-0.63	0.00	0.39
893.00	0.18	11.62	892.99	1.17	-0.41	0.00	0.79
983.00	0.26	340.42	982.99	1.51	-0.45	0.00	1.05
1073.00	0.26	278.02	1072.99	1.73	-0.72	0.00	1.09
1163.00	0.44	221.95	1162.99	1.50	-1.15	0.00	0.67
1253.00	0.53	186.70	1252.99	0.83	-1.43	0.00	-0.05
1343.00	0.48	167.45	1342.98	0.05	-1.40	0.00	-0.69
1433.00	0.40	122.01	1432.98	-0.49	-1.05	0.00	-0.97
1523.00	0.44	93.01	1522.98	-0.67	-0.44	0.00	-0.80
1612.00	0.48	76.75	1611.98	-0.61	0.27	0.00	-0.38
1702.00	0.35	46.52	1701.97	-0.33	0.83	0.00	0.15
1792.00	0.22	15.84	1791.97	0.03	1.08	0.00	0.59
1882.00	0.35	350.09	1881.97	0.46	1.08	0.00	0.96
1964.00	0.31	317.75	1963.97	0.87	0.89	0.00	1.21
2021.00	0.31	317.75	2020.97	1.10	0.68	0.00	1.29