

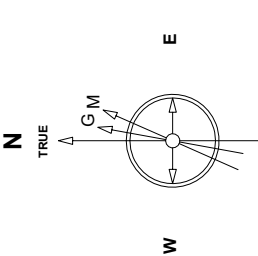
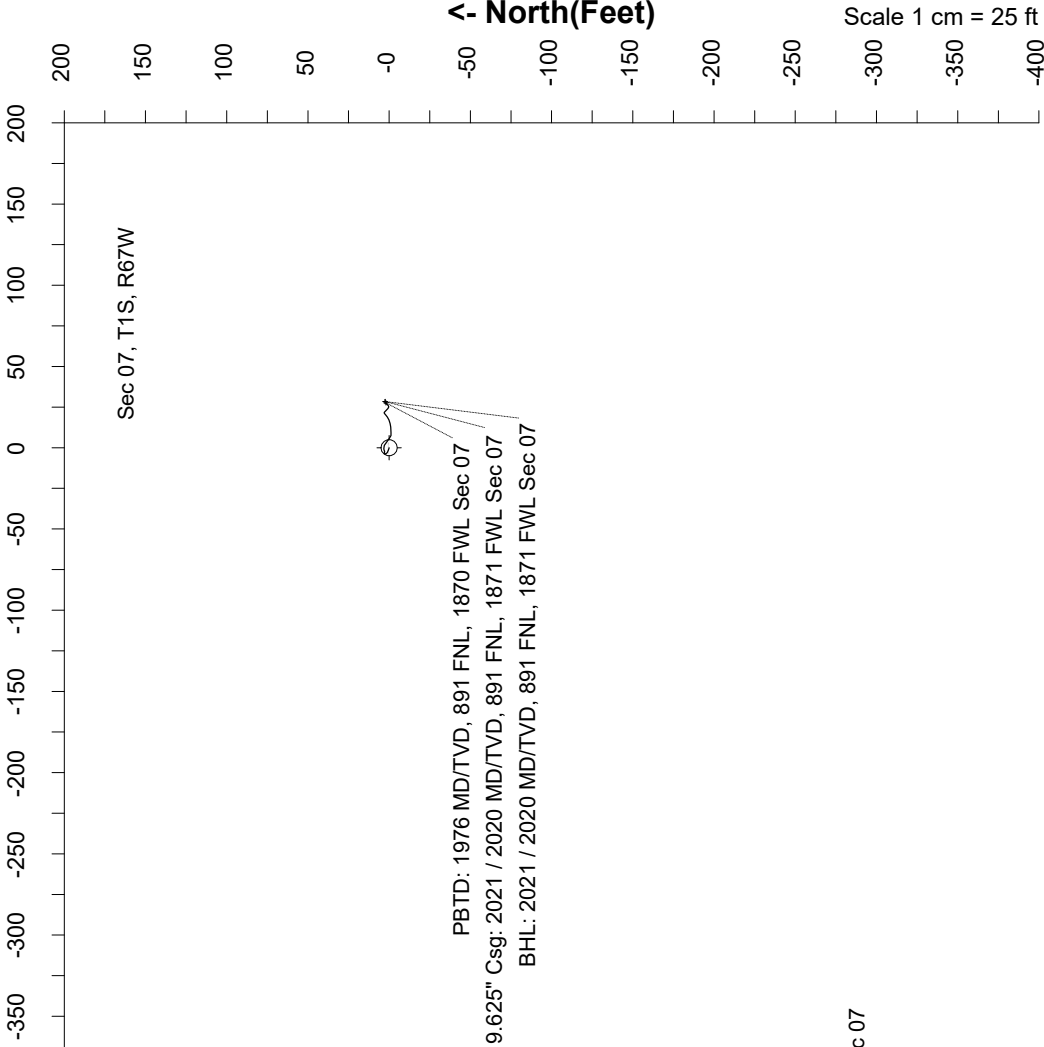
Great Western Operating Company, LLC

Created by	mmount
Date plotted	29-Apr-2020
Plot reference is B-Farm LD 18-397HNX (AWB).	
Ref wellpath is B-Farm LD 18-397HNX (AWP#1).	
Coordinates are in Feet reference E-07 - B-F arm LD 18-397HNX.	
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.	

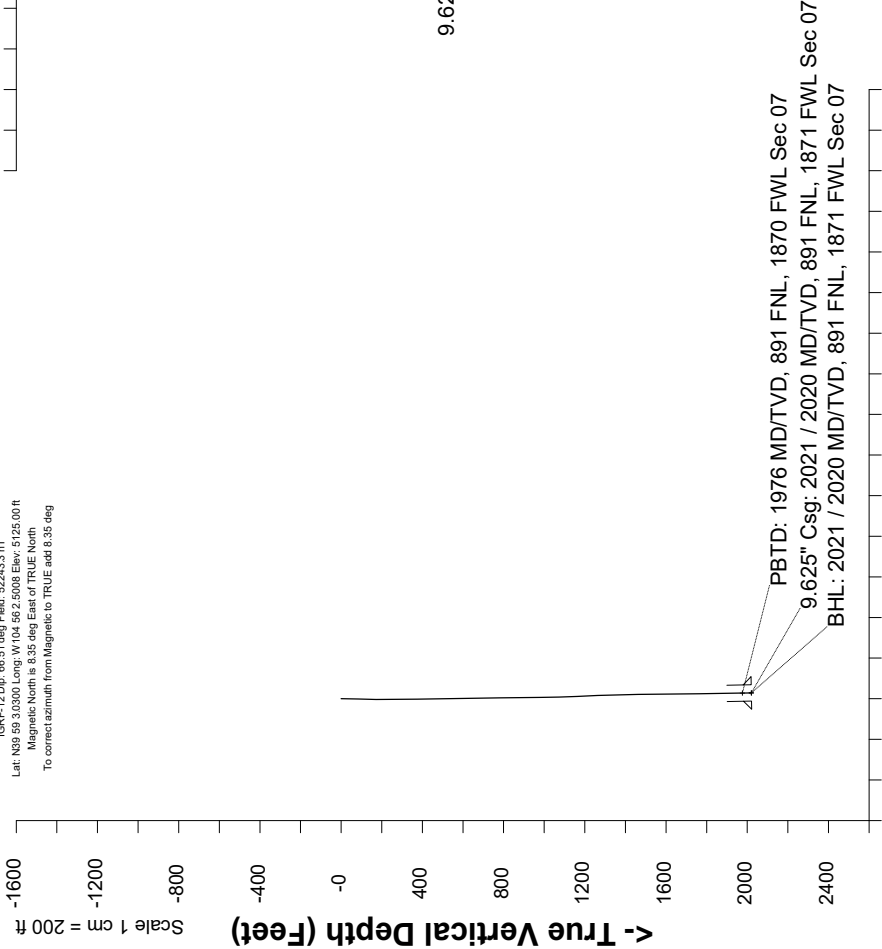
Location	Colorado	Slot	E-07 - B-Farm LD 18-397HNX
Field	Wattenburg	Well	B-Farm LD 18-397HNX
Installation	B-Farm	Wellbore	B-Farm LD 18-397HNX (AWB)

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 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 85.03 with reference 0.00 N, 0.00 E from E-07 - B-Farm LD 18-397HNX

Great Western Operating Co, LLC
 Directional Survey Report
 Wellpath: B-Farm LD 18-397HNX
 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	2.24	288.22	83.98	0.51	-1.56	0.00	-1.51
172.00	1.27	331.11	171.94	1.90	-3.66	0.00	-3.49
262.00	0.70	76.93	261.93	2.90	-3.61	0.00	-3.35
354.00	0.66	109.09	353.93	2.86	-2.56	0.00	-2.31
444.00	0.53	45.02	443.92	2.98	-1.78	0.00	-1.51
534.00	1.32	88.09	533.91	3.31	-0.45	0.00	-0.16
623.00	1.23	112.96	622.89	2.97	1.46	0.00	1.71
713.00	1.01	141.35	712.87	1.98	2.84	0.00	3.00
803.00	1.19	110.15	802.86	1.03	4.21	0.00	4.29
893.00	0.97	138.63	892.84	0.14	5.59	0.00	5.59
983.00	0.83	125.44	982.83	-0.81	6.63	0.00	6.53
1073.00	1.45	87.56	1072.81	-1.14	8.30	0.00	8.17
1163.00	1.98	89.23	1162.77	-1.07	10.99	0.00	10.86
1253.00	3.08	78.24	1252.68	-0.56	14.91	0.00	14.81
1343.00	2.46	53.02	1342.58	1.10	18.82	0.00	18.85
1433.00	0.83	49.06	1432.54	2.69	20.86	0.00	21.01
1523.00	0.26	98.02	1522.54	3.09	21.55	0.00	21.74
1613.00	1.41	135.81	1612.53	2.26	22.53	0.00	22.64
1703.00	1.45	129.92	1702.50	0.74	24.17	0.00	24.15
1792.00	0.79	64.71	1791.48	0.28	25.59	0.00	25.52
1882.00	0.70	28.23	1881.48	1.03	26.41	0.00	26.40
1964.00	1.19	60.58	1963.47	1.89	27.39	0.00	27.45
2021.00	1.19	60.58	2020.45	2.47	28.42	0.00	28.53