

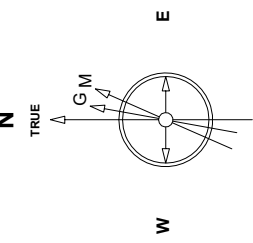
Great Western Operating Company, LLC

Location	Colorado	Slot	S11 - Brant LE 08-359HNX
Field	Wattensburg	Well	Brant LE 08-359HNX
Installation	Brant	Wellbore	Brant LE 08-359HNX (AWB)

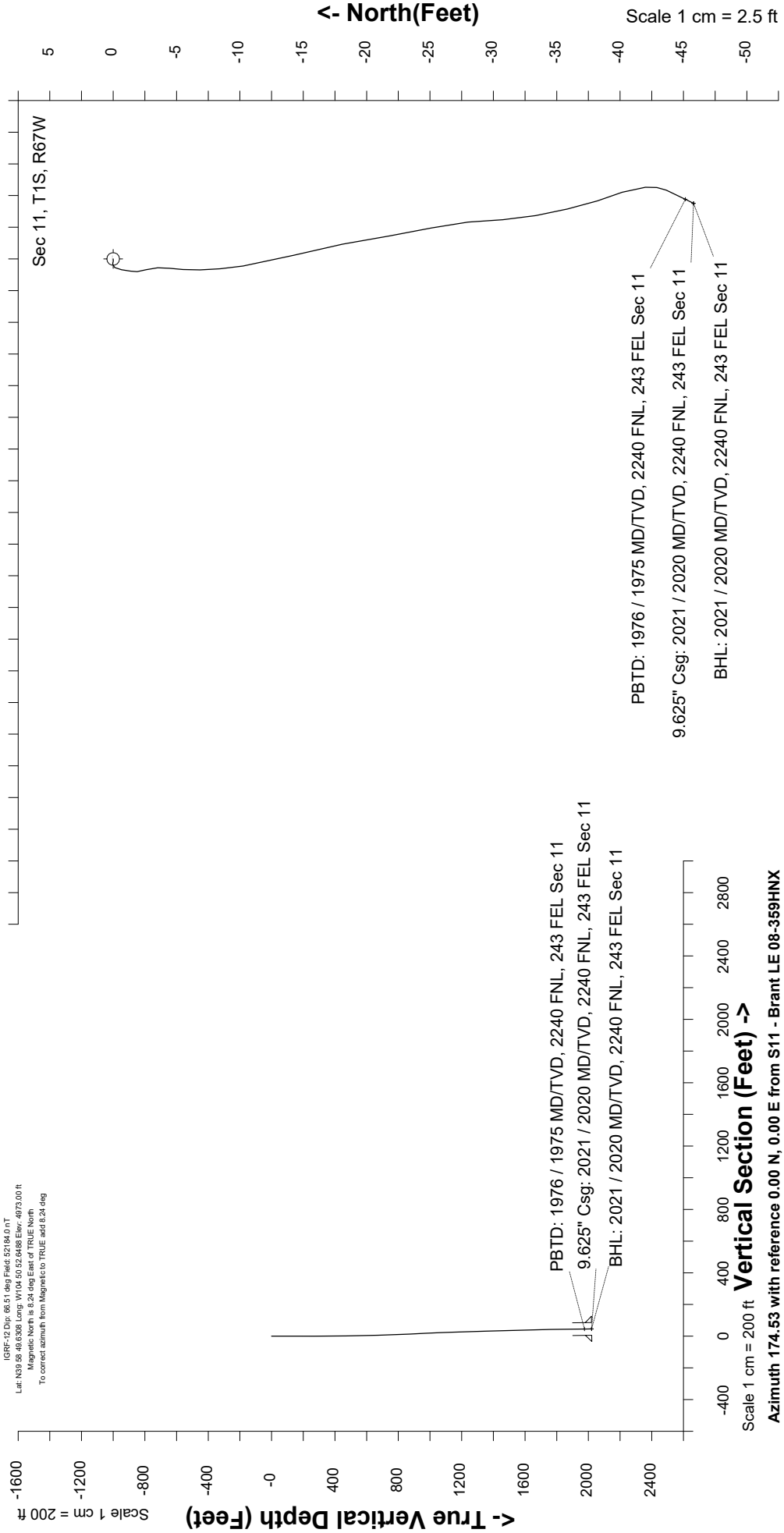
Scale 1 cm = 2.5 ft

East (Feet) ->

Created by	mmount
Date plotted	2-Nov-2020
Plot reference is	Brant LE 08-359HNX (AWB).
Ref wellpath is	Brant LE 08-359HNX (AWP#1).
Coordinates are in	Feet reference S11 - Brant LE 08-359HNX.
True Vertical Depths are	reference Rig Datum.
Measured Depths are	reference Rig Datum.
Rig Datum:	Actual Datum #1
Rig Datum to Mean Sea Level:	4978.00 ft.
Plot North is aligned to	TRUE North.



Apr-14-2017
 IGRF-12 Dec. 66.51 deg Field: 527.84 o n T
 Lat: N39.58, 46.6388 Long: W104.50, 52.6448 Elev: -4973.00 ft
 Magnetic North is 8.24 deg East of TRUE North
 To correct azimuth from Magnetic to TRUE: add 8.24 deg



Scale 1 cm = 200 ft
 Azimuth 174.53 with reference 0.00 N, 0.00 E from S11 - Brant LE 08-359HNX

Vertical Section (Feet) ->

← North(Feet)

Scale 1 cm = 2.5 ft

Great Western Operating Co, LLC
 Directional Survey Report
 Wellpath: Brant LE 08-359HNX
 MDs and TVDs are from Rig Floor 4978.0ft above Mean Sea Level

Wellpath Report

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
80.00	0.22	265.98	80.00	-0.01	-0.15	==>	0.00
168.00	0.13	306.67	168.00	0.04	-0.40	==>	-0.08
251.00	0.40	222.82	251.00	-0.12	-0.67	==>	0.05
343.00	0.40	173.78	343.00	-0.67	-0.86	==>	0.59
433.00	0.53	199.71	432.99	-1.38	-0.96	==>	1.28
523.00	1.14	163.50	522.98	-2.63	-0.85	==>	2.54
613.00	1.23	188.46	612.97	-4.44	-0.74	==>	4.35
702.00	1.89	179.49	701.93	-6.85	-0.87	==>	6.74
792.00	2.46	171.23	791.87	-10.25	-0.56	==>	10.15
882.00	2.68	165.25	881.78	-14.19	0.27	==>	14.15
972.00	2.42	169.38	971.69	-18.09	1.16	==>	18.12
1062.00	2.37	170.44	1061.61	-21.80	1.82	==>	21.87
1152.00	1.93	167.80	1151.55	-25.11	2.45	==>	25.23
1242.00	1.80	174.39	1241.50	-28.00	2.91	==>	28.15
1332.00	1.71	177.65	1331.46	-30.75	3.10	==>	30.90
1422.00	1.63	168.24	1421.42	-33.34	3.41	==>	33.52
1512.00	1.63	167.89	1511.38	-35.85	3.94	==>	36.06
1602.00	1.49	161.65	1601.35	-38.21	4.58	==>	38.47
1692.00	1.14	159.63	1691.32	-40.16	5.26	==>	40.48
1782.00	1.27	175.45	1781.30	-41.99	5.65	==>	42.34
1872.00	0.92	205.07	1871.29	-43.64	5.42	==>	43.96
1964.00	0.92	206.04	1963.28	-44.98	4.79	==>	45.23
2021.00	0.92	206.04	2020.27	-45.80	4.39	==>	46.01