

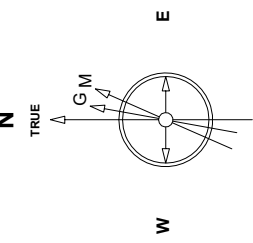
Great Western Operating Company, LLC

Location	Colorado
Field	Wattenburg
Installation	Brant
Slot	S12 - Brant LE 08-362HC
Well	Brant LE 08-362HC
Wellbore	Brant LE 08-362HC (AWB)

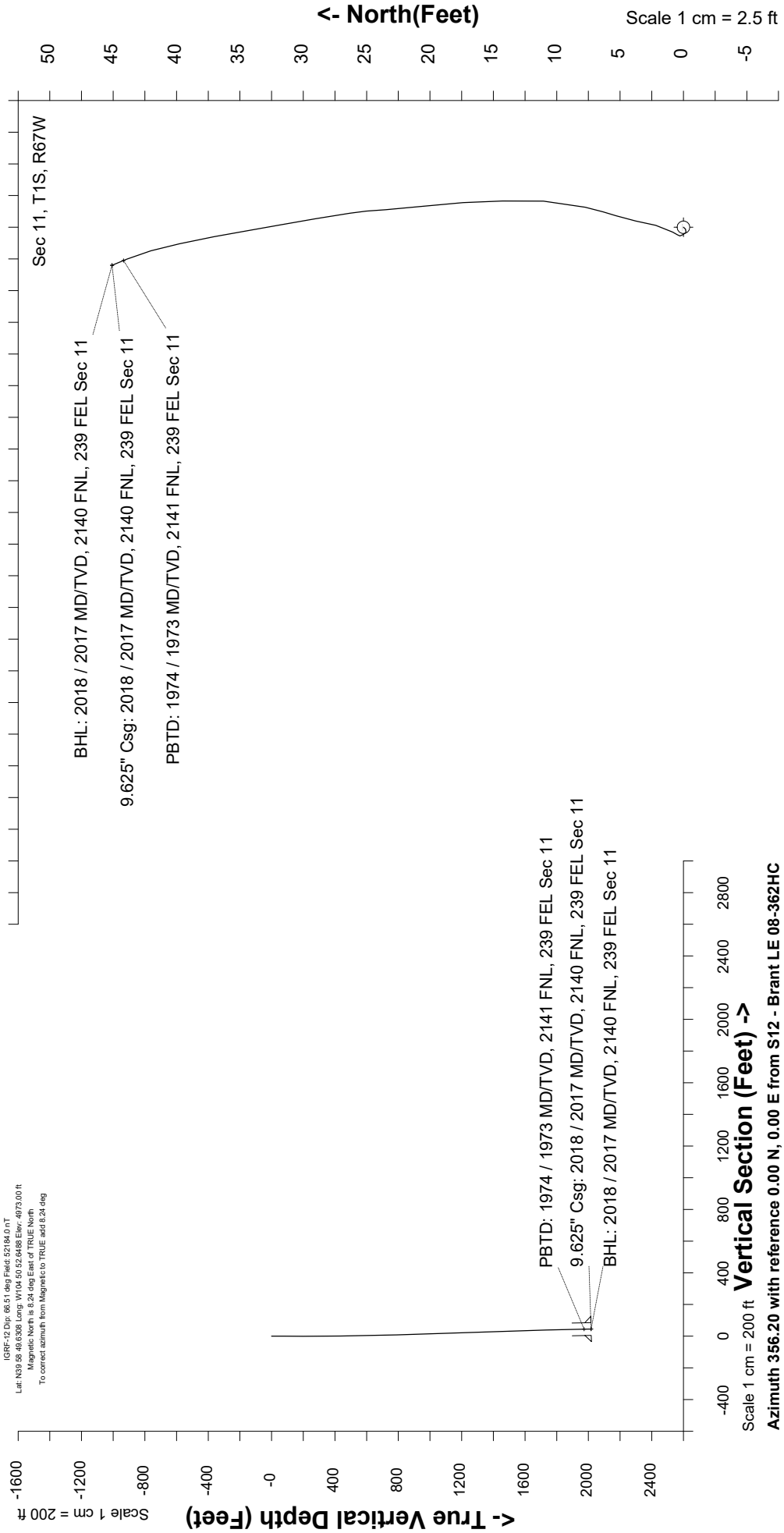
Scale 1 cm = 2.5 ft

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Created by	mmount
Date plotted	2-Nov-2020
Plot reference is	Brant LE 08-362HC (AWB)
Ref wellpath is	Brant LE 08-362HC (AWP#1)
Coordinates are in	Feet reference S12 - Brant LE 08-362HC.
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 Date: 06.51 deg Field: 527.04 o n T
 Lat: N39.58, 46.6388 Long: W104.50, 52.0488 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

Vertical Section (Feet) ->

Scale 1 cm = 200 ft

Azimuth 356.20 with reference 0.00 N, 0.00 E from S12 - Brant LE 08-362HC

Great Western Operating Co, LLC
 Directional Survey Report
 Wellpath: Brant LE 08-362HC
 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	0.31	221.86	80.00	-0.16	-0.14	==>	-0.15
168.00	0.22	320.03	168.00	-0.21	-0.41	==>	-0.18
251.00	0.22	330.49	251.00	0.05	-0.59	==>	0.09
343.00	0.09	356.94	343.00	0.28	-0.68	==>	0.32
433.00	0.75	31.22	433.00	0.85	-0.38	==>	0.88
523.00	1.10	14.96	522.98	2.19	0.15	==>	2.18
613.00	0.97	9.42	612.97	3.78	0.49	==>	3.74
702.00	1.10	19.62	701.95	5.32	0.90	==>	5.25
792.00	2.11	13.55	791.92	7.75	1.58	==>	7.63
882.00	2.15	2.92	881.86	11.05	2.06	==>	10.88
972.00	1.98	357.47	971.80	14.28	2.07	==>	14.12
1062.00	1.98	357.73	1061.74	17.39	1.94	==>	17.22
1152.00	1.89	351.85	1151.69	20.41	1.67	==>	20.26
1242.00	2.07	357.12	1241.64	23.51	1.38	==>	23.36
1332.00	1.54	350.70	1331.59	26.32	1.10	==>	26.19
1422.00	2.02	351.05	1421.55	29.08	0.66	==>	28.98
1512.00	1.54	348.95	1511.51	31.84	0.18	==>	31.76
1602.00	1.63	350.79	1601.47	34.29	-0.25	==>	34.23
1692.00	1.93	349.12	1691.43	37.04	-0.75	==>	37.01
1782.00	1.63	347.63	1781.39	39.78	-1.31	==>	39.78
1872.00	1.32	344.29	1871.36	42.03	-1.86	==>	42.06
1961.00	1.27	337.52	1960.33	43.93	-2.52	==>	44.00
2018.00	1.27	337.52	2017.32	45.09	-3.00	==>	45.19