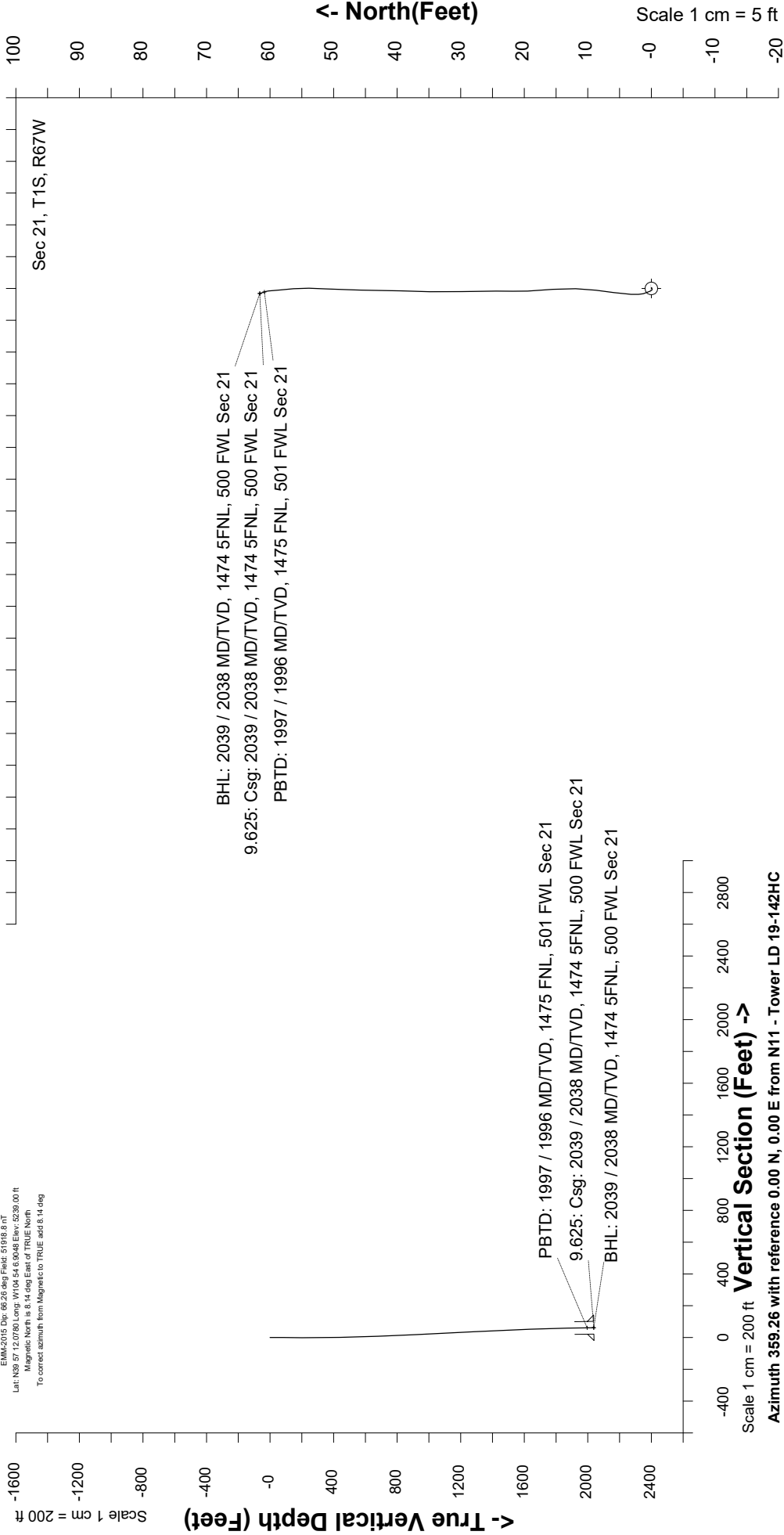


Great Western Operating Company, LLC

	Created by	mmount
	Date plotted	25-Nov-2020
	Plot reference is	Tower LD 19-142HC (AWB)
	Ref wellpath is	Tower LD 19-142HC (AWP#1)
	Coordinates are in	Feet reference N11 - Tower LD 19-142HC.
	True Vertical Depths are	reference Rig Datum.
	Measured Depths are	reference Rig Datum.
	Rig Datum - Actual	Datum #1
	Rig Datum to Mean Sea Level:	5244.00 ft.
	Plot North is aligned to	TRUE North.

Great Western Operating Company, LLC			
Location	Colorado	Slot	N11 - Tower LD 19-142HC
Field	Wattenburg	Well	Tower LD 19-142HC
Installation	Tower	Wellbore	Tower LD 19-142HC (AWB)



Great Western Operating Co, LLC
 Directional Survey Report
 Wellpath: Tower LD 19-142HC
 MDs and TVDs are from Rig Floor 5244.0ft 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
82.00	0.18	97.95	82.00	-0.02	0.13	0.22	-0.02
168.00	0.22	266.70	168.00	-0.05	0.10	0.46	-0.05
254.00	0.13	223.63	254.00	-0.13	-0.14	0.18	-0.12
343.00	0.66	331.39	343.00	0.25	-0.45	0.80	0.26
432.00	0.75	346.68	431.99	1.27	-0.83	0.23	1.28
522.00	1.71	1.45	521.97	3.18	-0.93	1.11	3.20
612.00	1.76	10.15	611.93	5.89	-0.65	0.30	5.89
702.00	1.89	4.96	701.88	8.73	-0.28	0.23	8.73
792.00	2.20	3.47	791.82	11.93	-0.05	0.35	11.93
882.00	2.37	353.80	881.75	15.50	-0.15	0.47	15.50
972.00	2.72	358.37	971.66	19.49	-0.41	0.45	19.49
1062.00	3.60	1.01	1061.53	24.45	-0.42	0.99	24.45
1152.00	3.30	357.40	1151.36	29.86	-0.49	0.41	29.86
1241.00	3.16	1.97	1240.22	34.87	-0.52	0.33	34.87
1331.00	2.72	1.45	1330.10	39.48	-0.38	0.49	39.49
1421.00	2.77	0.66	1420.00	43.79	-0.30	0.07	43.79
1511.00	2.15	2.85	1509.92	47.65	-0.19	0.70	47.65
1601.00	2.07	0.83	1599.86	50.97	-0.08	0.12	50.96
1691.00	1.67	3.91	1689.81	53.90	0.03	0.46	53.89
1781.00	1.41	352.13	1779.78	56.30	-0.03	0.45	56.30
1871.00	1.27	357.05	1869.75	58.40	-0.24	0.20	58.40
1961.00	1.10	353.10	1959.73	60.25	-0.39	0.21	60.25
1984.00	1.05	341.76	1982.73	60.67	-0.48	0.95	60.67
2039.00	1.05	341.76	2037.72	61.63	-0.80	==>	61.63