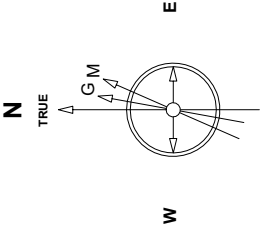


Great Western Operating Company, LLC

Created by	mmount
Date plotted	25-Nov-2020
Plot reference is Tower LD 19-302HN (AWB).	
Ref wellpath is Tower LD 19-302HN (AWP#1).	
Coordinates are in Feet reference S07 - Tower LD 19-302HN.	
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.	

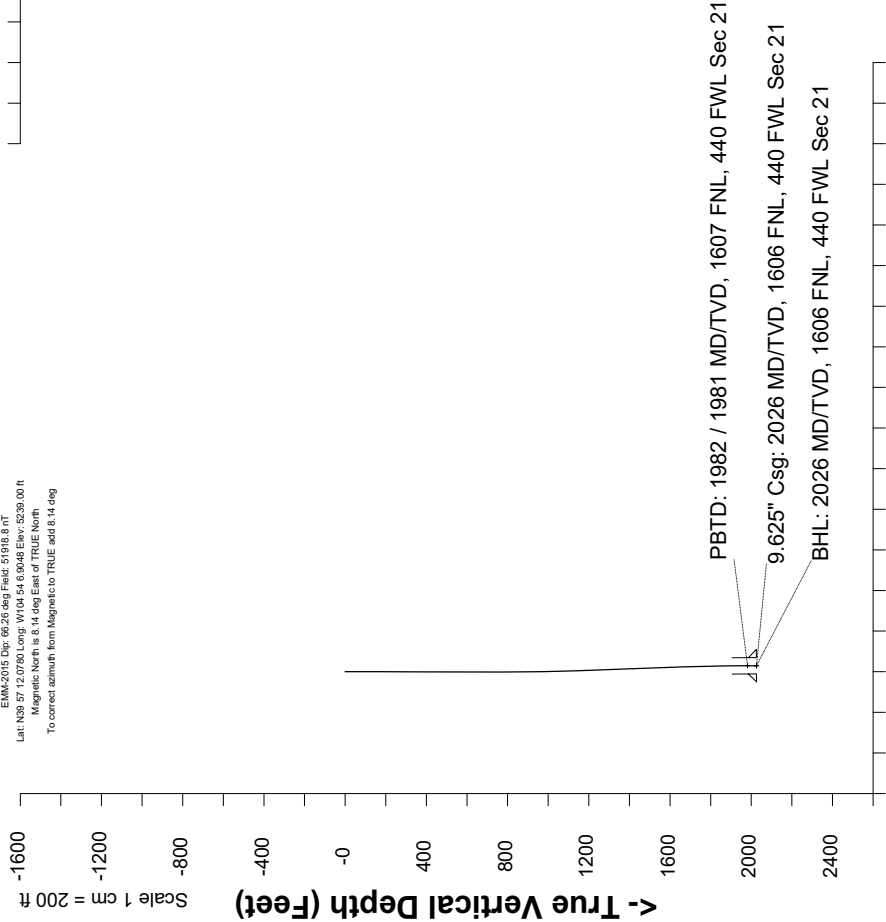
Location	Colorado	Slot	S07 - Tower LD 19-302HN
Field	Wattenburg	Well	Tower LD 19-302HN
Installation	Tower	Wellbore	Tower LD 19-302HN (AWB)



Feb-13-2019
EMM2015 Dip: 68.26 deg Field: 51918.8 nT
Lat: N39 57 12.0760 Long: W104 54 6.9048 Elev: 5239.00 ft
Magnetic North is 8.14 deg East of TRUE North.
To correct azimuth from Magnetic to TRUE add 8.14 deg

Scale 1 cm = 2 ft

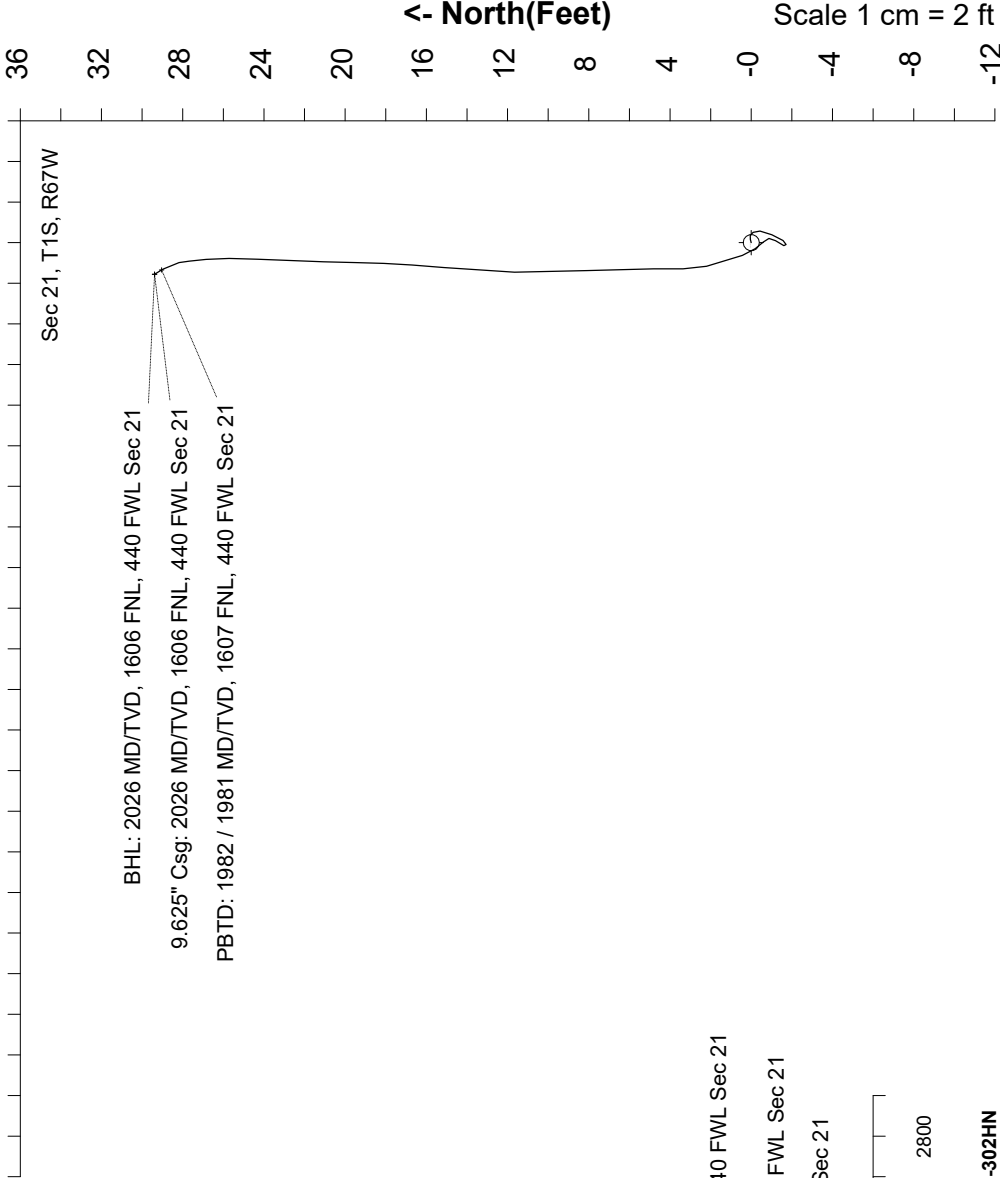
East (Feet) ->



Scale 1 cm = 200 ft

Vertical Section (Feet) ->

Azimuth 356.97 with reference 0.00 N, 0.00 E from S07 - Tower LD 19-302HN



North(Feet)

Scale 1 cm = 2 ft

Great Western Operating Co, LLC
 Directional Survey Report
 Wellpath: Tower LD 19-302HN
 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	0.22	73.25	82.00	0.05	0.15	0.27	0.04
168.00	0.09	128.62	168.00	0.05	0.36	0.21	0.03
254.00	0.18	137.76	254.00	-0.09	0.51	0.11	-0.12
343.00	0.31	186.98	343.00	-0.43	0.57	0.26	-0.46
432.00	0.48	203.59	432.00	-1.01	0.39	0.23	-1.03
522.00	0.31	214.32	521.99	-1.56	0.10	0.21	-1.56
612.00	0.09	309.85	611.99	-1.72	-0.09	0.37	-1.71
702.00	0.09	359.07	701.99	-1.60	-0.14	0.08	-1.59
792.00	0.53	36.08	791.99	-1.19	0.10	0.51	-1.20
882.00	0.53	310.73	881.99	-0.59	0.03	0.80	-0.59
972.00	1.05	335.25	971.98	0.43	-0.63	0.68	0.47
1062.00	1.32	349.49	1061.96	2.20	-1.16	0.44	2.26
1152.00	2.02	2.32	1151.92	4.81	-1.29	0.88	4.87
1241.00	2.24	355.03	1240.86	8.11	-1.38	0.39	8.17
1331.00	2.29	2.50	1330.79	11.66	-1.45	0.33	11.72
1421.00	2.15	5.05	1420.72	15.13	-1.22	0.19	15.18
1511.00	1.63	2.29	1510.67	18.09	-1.02	0.59	18.12
1601.00	2.15	1.09	1600.63	21.06	-0.94	0.58	21.08
1691.00	1.98	3.29	1690.57	24.30	-0.82	0.21	24.31
1781.00	1.27	354.59	1780.53	26.85	-0.82	0.83	26.85
1871.00	0.44	349.23	1870.52	28.18	-0.98	0.93	28.19
1971.00	0.53	328.84	1970.52	28.95	-1.29	0.19	28.98
2026.00	0.53	328.84	2025.51	29.39	-1.56	==>	29.43