

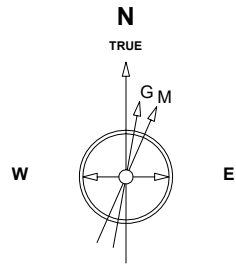
# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Gus

**Slot** C04 - Gus LD 34-378HN  
**Well** Gus LD 34-378HN  
**Wellbore** Gus LD 34-378HN (PWB)

Created by mmount  
Date plotted 30-Jun-2021

Plot reference is Gus LD 34-378HN (PWB).  
Ref wellpath is Gus LD 34-378HN (PWP#1).  
Coordinates are in Feet reference C04 - Gus LD 34-378HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5144.00 ft.  
Plot North is aligned to TRUE North.



Scale 1 cm = 600 ft

East (Feet) ->

-9600 -8400 -7200 -6000 -4800 -3600 -2400 -1200 0 1200 2400 3600 4800 6000

Oct-22-2018

EMM-2015 Dip: 66.27 deg Field: 51954.5 nT

Lat: N39 57 11.9124 Long: W104 53 9.4056 Elev: 5124.00 ft

Magnetic North is 8.17 deg East of TRUE North

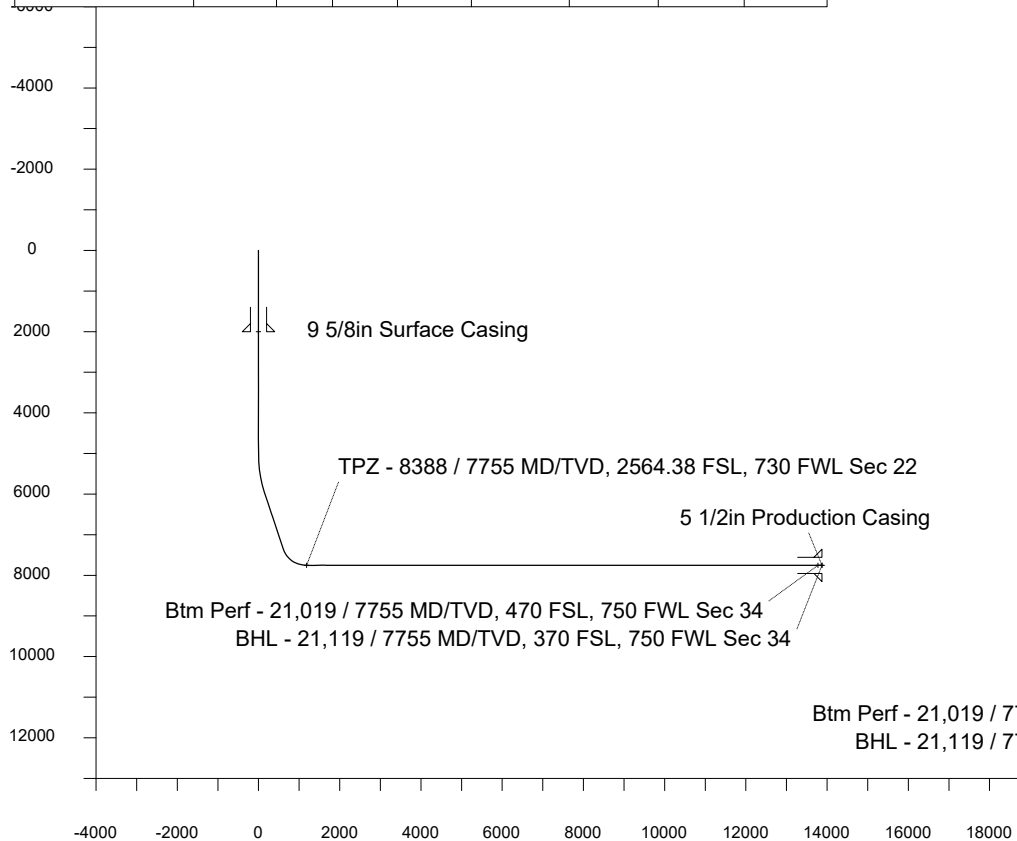
To correct azimuth from Magnetic to TRUE add 8.17 deg

## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00		0.00
KOP	5009.00	0.00	120.63	5009.00	S 0.00	W 0.00	0.00	0.00
End of Build	6009.10	30.00	120.63	5964.02	S 130.37	E 220.23	3.00	147.94
End of Hold	7635.68	30.00	120.63	7372.63	S 544.72	E 920.14	0.00	618.12
Target TPZ - ...Sec 22	8387.62	90.00	179.89	7754.70	S 1098.29	E 1110.81	10.00	1185.43
Target Btm Pe...Sec 34	21018.80	90.00	179.89	7754.70	S 13729.45	E 1134.66	0.00	13776.25
End of Turn	21021.50	90.00	180.16	7754.70	S 13732.15	E 1134.66	10.00	13778.95
T.D. & Target BHL... 34	21118.61	90.00	180.16	7754.70	S 13829.26	E 1134.39	0.00	13875.71

Scale 1 cm = 1000 ft

<- True Vertical Depth (Feet)



Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 175.31 with reference 0.00 N, 0.00 E from C04 - Gus LD 34-378HN

Sec 21, T1S, R67W

Sec 22, T1S, R67W

TPZ - 8388 / 7755 MD/TVD, 2564.38 FSL, 730 FWL Sec 22

Sec 27, T1S, R67W

Sec 34, T1S, R67W

<- North(Feet)

2400

1200

0

-1200

-2400

-3600

-4800

-6000

-7200

-8400

-9600

-10800

-12000

-13200

-14400

-15600

Header Information	measured depth (ft)	inclination (°)	azimuth (°)	true vertical depth (ft)	northing +N/-S (ft)	easting +E/-W (ft)
Operator Name	100	0.00	0.00	100	0.00	0.00
Great Western Oil & Gas Company LLC	200	0.00	0.00	200	0.00	0.00
Operator Number	300	0.00	0.00	300	0.00	0.00
10110	400	0.00	0.00	400	0.00	0.00
Well Name and Number	500	0.00	0.00	500	0.00	0.00
Gus LD 34-378HN	600	0.00	0.00	600	0.00	0.00
API Number (if available)	700	0.00	0.00	700	0.00	0.00
05-001-10490	800	0.00	0.00	800	0.00	0.00
Location: QQ SEC TWP RGE	900	0.00	0.00	900	0.00	0.00
SENE 21 1S 67W	1000	0.00	0.00	1000	0.00	0.00
Citing Type: Planned or Actual	1100	0.00	0.00	1100	0.00	0.00
Planned	1200	0.00	0.00	1200	0.00	0.00
Deviation Indicator	1300	0.00	0.00	1300	0.00	0.00
Horizontal ▼	1400	0.00	0.00	1400	0.00	0.00
North Reference	1500	0.00	0.00	1500	0.00	0.00
True ▼	1600	0.00	0.00	1600	0.00	0.00
Grid Type	1700	0.00	0.00	1700	0.00	0.00
▼	1800	0.00	0.00	1800	0.00	0.00
	1900	0.00	0.00	1900	0.00	0.00
	2000	0.00	0.00	2000	0.00	0.00
	2100	0.00	0.00	2100	0.00	0.00
	2200	0.00	0.00	2200	0.00	0.00
	2300	0.00	0.00	2300	0.00	0.00
	2400	0.00	0.00	2400	0.00	0.00
	2500	0.00	0.00	2500	0.00	0.00
	2600	0.00	0.00	2600	0.00	0.00
	2700	0.00	0.00	2700	0.00	0.00
	2800	0.00	0.00	2800	0.00	0.00
	2900	0.00	0.00	2900	0.00	0.00

3000	0.00	0.00	3000	0.00	0.00
3100	0.00	0.00	3100	0.00	0.00
3200	0.00	0.00	3200	0.00	0.00
3300	0.00	0.00	3300	0.00	0.00
3400	0.00	0.00	3400	0.00	0.00
3500	0.00	0.00	3500	0.00	0.00
3600	0.00	0.00	3600	0.00	0.00
3700	0.00	0.00	3700	0.00	0.00
3800	0.00	0.00	3800	0.00	0.00
3900	0.00	0.00	3900	0.00	0.00
4000	0.00	0.00	4000	0.00	0.00
4100	0.00	0.00	4100	0.00	0.00
4200	0.00	0.00	4200	0.00	0.00
4300	0.00	0.00	4300	0.00	0.00
4400	0.00	0.00	4400	0.00	0.00
4500	0.00	0.00	4500	0.00	0.00
4600	0.00	0.00	4600	0.00	0.00
4700	0.00	0.00	4700	0.00	0.00
4800	0.00	0.00	4800	0.00	0.00
4900	0.00	0.00	4900	0.00	0.00
5000	0.00	0.00	5000	0.00	0.00
5100	2.73	120.63	5100	-1.10	1.87
5200	5.73	120.63	5200	-4.86	8.21
5300	8.73	120.63	5299	-11.27	19.04
5400	11.73	120.63	5397	-20.32	34.32
5500	14.73	120.63	5495	-31.98	54.01
5600	17.73	120.63	5591	-46.21	78.06
5700	20.73	120.63	5685	-62.99	106.40
5800	23.73	120.63	5778	-82.26	138.95
5900	26.73	120.63	5868	-103.97	175.63
6000	29.73	120.63	5956	-128.06	216.33
6100	30.00	120.63	6043	-153.53	259.34
6200	30.00	120.63	6129	-179.00	302.37
6300	30.00	120.63	6216	-204.47	345.40

6400	30.00	120.63	6303	-229.95	388.43
6500	30.00	120.63	6389	-255.42	431.46
6600	30.00	120.63	6476	-280.89	474.49
6700	30.00	120.63	6562	-306.37	517.52
6800	30.00	120.63	6649	-331.84	560.55
6900	30.00	120.63	6736	-357.31	603.58
7000	30.00	120.63	6822	-382.79	646.61
7100	30.00	120.63	6909	-408.26	689.64
7200	30.00	120.63	6995	-433.73	732.67
7300	30.00	120.63	7082	-459.21	775.70
7400	30.00	120.63	7169	-484.68	818.73
7500	30.00	120.63	7255	-510.15	861.76
7600	30.00	120.63	7342	-535.63	904.79
7700	33.39	131.05	7427	-564.55	947.36
7800	40.02	143.65	7508	-608.63	987.27
7900	47.66	153.00	7580	-667.61	1023.19
8000	55.89	160.25	7642	-739.68	1054.04
8100	64.47	166.18	7691	-822.66	1078.87
8200	73.26	171.30	7727	-914.03	1096.93
8300	82.16	175.97	7749	-1011.02	1107.68
8388	90.00	179.89	7755	-1098.29	1110.81
8400	90.00	179.89	7755	-1110.67	1110.84
8500	90.00	179.89	7755	-1210.67	1111.03
8600	90.00	179.89	7755	-1310.67	1111.22
8700	90.00	179.89	7755	-1410.67	1111.40
8800	90.00	179.89	7755	-1510.67	1111.59
8900	90.00	179.89	7755	-1610.67	1111.78
9000	90.00	179.89	7755	-1710.67	1111.97
9100	90.00	179.89	7755	-1810.67	1112.16
9200	90.00	179.89	7755	-1910.67	1112.35
9300	90.00	179.89	7755	-2010.67	1112.54
9400	90.00	179.89	7755	-2110.67	1112.73
9500	90.00	179.89	7755	-2210.67	1112.91
9600	90.00	179.89	7755	-2310.67	1113.10

9700	90.00	179.89	7755	-2410.67	1113.29
9800	90.00	179.89	7755	-2510.67	1113.48
9900	90.00	179.89	7755	-2610.67	1113.67
10000	90.00	179.89	7755	-2710.67	1113.86
10100	90.00	179.89	7755	-2810.67	1114.05
10200	90.00	179.89	7755	-2910.67	1114.24
10300	90.00	179.89	7755	-3010.67	1114.43
10400	90.00	179.89	7755	-3110.67	1114.61
10500	90.00	179.89	7755	-3210.67	1114.80
10600	90.00	179.89	7755	-3310.67	1114.99
10700	90.00	179.89	7755	-3410.67	1115.18
10800	90.00	179.89	7755	-3510.67	1115.37
10900	90.00	179.89	7755	-3610.67	1115.56
11000	90.00	179.89	7755	-3710.67	1115.75
11100	90.00	179.89	7755	-3810.67	1115.94
11200	90.00	179.89	7755	-3910.67	1116.12
11300	90.00	179.89	7755	-4010.67	1116.31
11400	90.00	179.89	7755	-4110.67	1116.50
11500	90.00	179.89	7755	-4210.67	1116.69
11600	90.00	179.89	7755	-4310.67	1116.88
11700	90.00	179.89	7755	-4410.67	1117.07
11800	90.00	179.89	7755	-4510.67	1117.26
11900	90.00	179.89	7755	-4610.67	1117.45
12000	90.00	179.89	7755	-4710.67	1117.63
12100	90.00	179.89	7755	-4810.67	1117.82
12200	90.00	179.89	7755	-4910.67	1118.01
12300	90.00	179.89	7755	-5010.67	1118.20
12400	90.00	179.89	7755	-5110.67	1118.39
12500	90.00	179.89	7755	-5210.67	1118.58
12600	90.00	179.89	7755	-5310.67	1118.77
12700	90.00	179.89	7755	-5410.67	1118.96
12800	90.00	179.89	7755	-5510.67	1119.15
12900	90.00	179.89	7755	-5610.67	1119.33
13000	90.00	179.89	7755	-5710.67	1119.52

13100	90.00	179.89	7755	-5810.67	1119.71
13200	90.00	179.89	7755	-5910.66	1119.90
13300	90.00	179.89	7755	-6010.66	1120.09
13400	90.00	179.89	7755	-6110.66	1120.28
13500	90.00	179.89	7755	-6210.66	1120.47
13600	90.00	179.89	7755	-6310.66	1120.66
13700	90.00	179.89	7755	-6410.66	1120.84
13800	90.00	179.89	7755	-6510.66	1121.03
13900	90.00	179.89	7755	-6610.66	1121.22
14000	90.00	179.89	7755	-6710.66	1121.41
14100	90.00	179.89	7755	-6810.66	1121.60
14200	90.00	179.89	7755	-6910.66	1121.79
14300	90.00	179.89	7755	-7010.66	1121.98
14400	90.00	179.89	7755	-7110.66	1122.17
14500	90.00	179.89	7755	-7210.66	1122.35
14600	90.00	179.89	7755	-7310.66	1122.54
14700	90.00	179.89	7755	-7410.66	1122.73
14800	90.00	179.89	7755	-7510.66	1122.92
14900	90.00	179.89	7755	-7610.66	1123.11
15000	90.00	179.89	7755	-7710.66	1123.30
15100	90.00	179.89	7755	-7810.66	1123.49
15200	90.00	179.89	7755	-7910.66	1123.68
15300	90.00	179.89	7755	-8010.66	1123.86
15400	90.00	179.89	7755	-8110.66	1124.05
15500	90.00	179.89	7755	-8210.66	1124.24
15600	90.00	179.89	7755	-8310.66	1124.43
15700	90.00	179.89	7755	-8410.66	1124.62
15800	90.00	179.89	7755	-8510.66	1124.81
15900	90.00	179.89	7755	-8610.66	1125.00
16000	90.00	179.89	7755	-8710.66	1125.19
16100	90.00	179.89	7755	-8810.66	1125.38
16200	90.00	179.89	7755	-8910.66	1125.56
16300	90.00	179.89	7755	-9010.66	1125.75
16400	90.00	179.89	7755	-9110.66	1125.94

16500	90.00	179.89	7755	-9210.66	1126.13
16600	90.00	179.89	7755	-9310.66	1126.32
16700	90.00	179.89	7755	-9410.66	1126.51
16800	90.00	179.89	7755	-9510.66	1126.70
16900	90.00	179.89	7755	-9610.66	1126.89
17000	90.00	179.89	7755	-9710.66	1127.07
17100	90.00	179.89	7755	-9810.66	1127.26
17200	90.00	179.89	7755	-9910.66	1127.45
17300	90.00	179.89	7755	-10010.66	1127.64
17400	90.00	179.89	7755	-10110.66	1127.83
17500	90.00	179.89	7755	-10210.66	1128.02
17600	90.00	179.89	7755	-10310.66	1128.21
17700	90.00	179.89	7755	-10410.66	1128.40
17800	90.00	179.89	7755	-10510.66	1128.58
17900	90.00	179.89	7755	-10610.66	1128.77
18000	90.00	179.89	7755	-10710.66	1128.96
18100	90.00	179.89	7755	-10810.66	1129.15
18200	90.00	179.89	7755	-10910.66	1129.34
18300	90.00	179.89	7755	-11010.66	1129.53
18400	90.00	179.89	7755	-11110.66	1129.72
18500	90.00	179.89	7755	-11210.66	1129.91
18600	90.00	179.89	7755	-11310.66	1130.09
18700	90.00	179.89	7755	-11410.66	1130.28
18800	90.00	179.89	7755	-11510.65	1130.47
18900	90.00	179.89	7755	-11610.65	1130.66
19000	90.00	179.89	7755	-11710.65	1130.85
19100	90.00	179.89	7755	-11810.65	1131.04
19200	90.00	179.89	7755	-11910.65	1131.23
19300	90.00	179.89	7755	-12010.65	1131.42
19400	90.00	179.89	7755	-12110.65	1131.61
19500	90.00	179.89	7755	-12210.65	1131.79
19600	90.00	179.89	7755	-12310.65	1131.98
19700	90.00	179.89	7755	-12410.65	1132.17
19800	90.00	179.89	7755	-12510.65	1132.36

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