



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Tower

Slot N07 - Tower LD 19-099HN
Well Tower LD 19-099HN
Wellbore Tower LD 19-099HN (PWB)

Created by admin
Date plotted 14-Feb-2019

Plot reference is Tower LD 19-099HN (PWB).
Ref wellpath is Tower LD 19-099HN (PWP#1).
Coordinates are in Feet reference N07 - Tower LD 19-099HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5259.60 ft.
Plot North is aligned to TRUE North.

Scale 1 cm = 400 ft

East (Feet) ->

-12000 -11200 -10400 -9600 -8800 -8000 -7200 -6400 -5600 -4800 -4000 -3200 -2400 -1600 -800 0 800 1600

<- True Vertical Depth (Feet)

Scale 1 cm = 800 ft

Btm Perf - 17,684 / 7788 MD/TVD, 1196 FNL, 470 FWL Sec 19
BHL - 17,784 / 7788 MD/TVD, 1196 FNL, 370 FWL Sec 19

9 5/8in Surface Casing

TPZ - 8214 / 7788 MD/TVD, 1194 FNL, 460 FEL Sec 20

5 1/2in Production Casing

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 271.50 with reference 0.00 N, 0.00 E from N07 - Tower LD 19-099HN

TPZ - 8214 / 7788 MD/TVD, 1194 FNL, 460 FEL Sec 20

BHL - 17,784 / 7788 MD/TVD, 1196 FNL, 370 FWL Sec 19
Btm Perf - 17,684 / 7788 MD/TVD, 1196 FNL, 470 FWL Sec 19

Sec 19, T1S, R67W

Sec 20, T1S, R67W

Sec 21, T1S, R67W

<- North(Feet)

Scale 1 cm = 400 ft

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	6129.00	0.00	303.00	6129.00	S 0.00	W 0.00	0.00	0.00
End of Build	7047.24	27.55	303.00	7012.27	N 117.93	W 181.59	3.00	184.62
End of Hold	7540.92	27.55	303.00	7449.98	N 242.29	W 373.06	0.00	379.30
Target TPZ - ...Sec 20	8213.71	90.00	269.63	7788.00	N 335.89	W 902.17	10.00	910.68
Target Btm Pe...Sec 19	17684.16	90.00	269.63	7788.00	N 275.38	W 10372.43	0.00	10376.08
End of Turn	17685.99	90.00	269.82	7788.00	N 275.37	W 10374.26	10.00	10377.91
T.D. & Target BHL... 19	17784.25	90.00	269.82	7788.00	N 275.05	W 10472.51	0.00	10476.12