



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Tower

Slot S12 - Tower LD 19-259HC
Well Tower LD 19-259HC
Wellbore Tower LD 19-259HC (PWB)

Created by admin
Date plotted 15-Feb-2019

Plot reference is Tower LD 19-259HC (PWB).
Ref wellpath is Tower LD 19-259HC (PWP#1).
Coordinates are in Feet reference S12 - Tower LD 19-259HC.
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 - 18,278 / 8054 MD/TVD, 2052 FSL, 470 FWL Sec 19
BHL - 18,379 / 8054 MD/TVD, 2052 FSL, 370 FWL Sec 19

TPZ - 8799 / 8054 MD/TVD, 2048 FSL, 460 FEL Sec 20

5 1/2in Production Casing

-3200 -1600 0 1600 3200 4800 6400 8000 9600 11200 12800 14400 16000

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 261.04 with reference 0.00 N, 0.00 E from S12 - Tower LD 19-259HC

<- North(Feet)

Scale 1 cm = 400 ft

2400

1600

800

0

-800

-1600

-2400

-3200

-4000

-4800

-5600

-6400

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	4654.00	0.00	196.53	4654.00	S 0.00	W 0.00	0.00	-0.00
End of Build	5653.95	30.00	196.53	5608.89	S 245.28	W 72.77	3.00	110.08
End of Hold	7982.31	30.00	196.53	7625.33	S 1361.32	W 403.89	0.00	610.95
Target TPZ - ...Sec 20	8798.78	90.00	269.63	8054.00	S 1601.74	W 969.25	10.00	1206.84
Target Btm Pe...Sec 19	18278.42	90.00	269.63	8054.00	S 1662.22	W 10448.70	0.00	10580.08
End of Turn	18278.69	90.00	269.61	8054.00	S 1662.22	W 10448.97	10.00	10580.35
T.D. & Target BHL.... 19	18378.51	90.00	269.61	8054.00	S 1662.90	W 10548.79	0.00	10679.06