

Great Western Operating Company, LLC

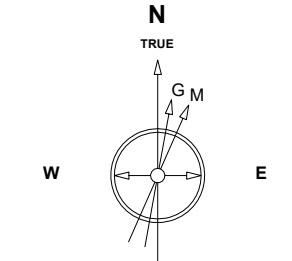
Location Colorado
Field Wattenburg
Installation Seltzer
Slot Slot E03 - Seltzer LD 21-039HN
Well Seltzer LD 21-039HN
Wellbore Seltzer LD 21-039HN (PWB)

Scale 1 cm = 400 ft

East (Feet) ->

-7200 -6400 -5600 -4800 -4000 -3200 -2400 -1600 -800 0 800 1600 2400 3200 4000

Created by	admin
Date plotted	30-Apr-2018
Plot reference is Seltzer LD 21-039HN (PWB).	
Ref wellpath is Seltzer LD 21-039HN (PWP#1).	
Coordinates are in Feet reference Slot E03 - Seltzer LD 21-039HN.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Planned Datum #1	
Rig Datum to Mean Sea Level: 5162.60 ft.	
Plot North is aligned to TRUE North.	



Jan-17-2017
Gauss Model [1900.0-2020.0] Dip: 66.52 deg Field: 52215.2 nT
N 39 59 58.7292 Long W 104 53 32.3592 Elev: 5142.60 ft
Magnetic North is 8.29 deg East of TRUE North
To convert from Magnetic to TRUE add 8.29 deg

Scale 1 cm = 600 ft

<- True Vertical Depth (Feet)

2400
1200
0
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

1200
2400
3600
4800
6000
7200
8400
9600

9 5/8in Surface Casing

TPZ - 8397 / 7688 MD/TVD, 470 FNL, 476.97 FEL Sec 4

5 1/2in Production Casing

Btm Perf - 23,807 / 7688 MD/TVD, 310 FNL, 476.97 FEL Sec 21

BHL - 23,907 / 7688 MD/TVD, 410 FNL, 476.97 FEL Sec 21

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 173.46 with reference 0.00 N, 0.00 E from Slot E03 - Seltzer LD 21-039HN

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	4053.00	0.00	79.31	4053.00	S 0.00	W 0.00	0.00	0.00
End of Build	5053.01	30.00	79.31	5007.94	N 47.46	E 251.44	3.00	-18.53
End of Hold	7664.33	30.00	79.31	7269.40	N 289.61	E 1534.46	0.00	-113.07
Target TPZ - ... Sec 4	8397.27	90.00	179.92	7688.00	S 148.93	E 1772.62	13.00	349.72
Target Btm Pe... Sec 21	23806.58	90.00	179.92	7688.00	S 15558.23	E 1793.90	0.00	15661.31
End of Turn	23807.16	90.00	180.00	7688.00	S 15558.81	E 1793.90	13.00	15661.88
T.D. & Target BHL... 21	23906.76	90.00	180.00	7688.00	S 15658.41	E 1793.91	0.00	15760.83

TPZ - 8397 / 7688 MD/TVD, 470 FNL, 476.97 FEL Sec 4

Sec 4, T1S, R67W

Sec 9, T1S, R67W

Sec 16, T1S, R67W

Btm Perf - 23,807 / 7688 MD/TVD, 310 FNL, 476.97 FEL Sec 21
BHL - 23,907 / 7688 MD/TVD, 410 FNL, 476.97 FEL Sec 21

Sec 21, T1S, R67W

<- North(Feet)

2400

1200

0

-1200

-2400

-3600

-4800

-6000

-7200

-8400

-9600

-10800

-12000

-13200

-14400

-15600

-16800

Scale 1 cm = 600 ft