

May-21-2018  
EMM-2015 [2000.0-2020.0] Dip: 66.41 deg Field: 52108.5 nT  
Lat: N40 1 54.0372 Long: W104 47 24.6996 Elev: 5020.90 ft  
Magnetic North is 8.16 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.16 deg

Scale 1 cm = 400 ft  
-< True Vertical Depth (Feet)

Scale 1 cm = 400 ft

Vertical Section (Feet) ->

Azimuth 87.13 with reference 0.00 N, 0.00 E from W03 - Sack KE 21-322HN

# Great Western Operating Company, LLC

Location	Colorado	Slot	W03 - Sack KE 21-322HN
Field	Wattenburg	Well	Sack KE 21-322HN
Installation	Sack	Wellbore	Sack KE 21-322HN (PWB)

Created by	admin
Date plotted	21-May-2018
Plot reference is Sack KE 21-322HN (PWB).	
Ref wellpath is Sack KE 21-322HN (PWP#1).	
Coordinates are in Feet reference W03 - Sack KE 21-322HN.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Planned Datum #1	
Rig Datum to Mean Sea Level: 5040.90 ft.	
Plot North is aligned to TRUE North.	

Scale 1 cm = 200 ft

East (Feet) ->

-2400 -2000 -1600 -1200 -800 -400 0 400 800 1200 1600 2000 2400 2800 3200 3600 4000 4400 4800 5200

2400

2000

1600

1200

800

400

0

-400

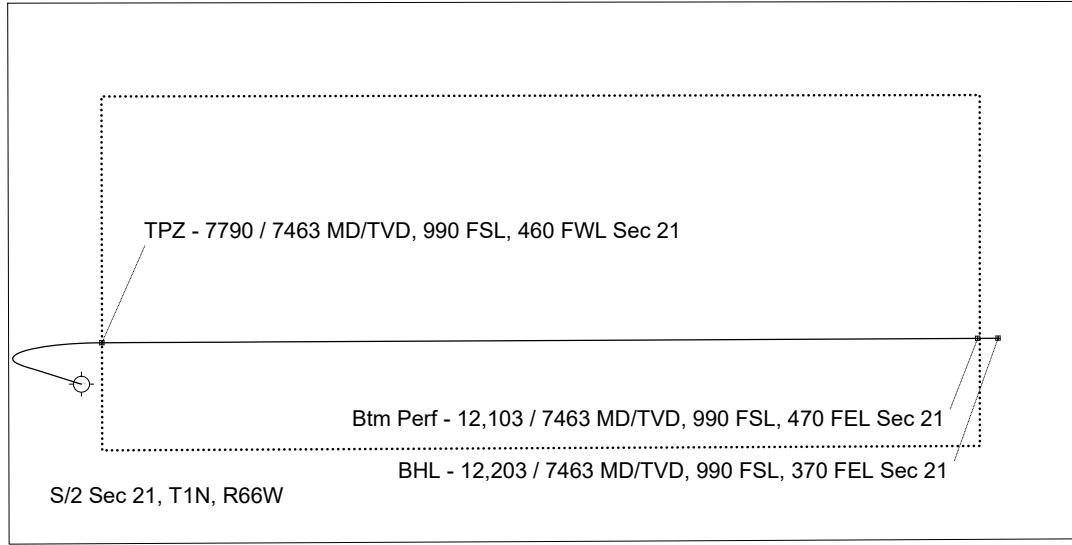
-800

-1200

-1600

-< North(Feet)

Scale 1 cm = 200 ft



9 5/8in Surface Casing

TPZ - 7790 / 7463 MD/TVD, 990 FSL, 460 FWL Sec 21

5 1/2in Production Casing

Btm Perf - 12,103 / 7463 MD/TVD, 990 FSL, 470 FEL Sec 21

BHL - 12,203 / 7463 MD/TVD, 990 FSL, 370 FEL Sec 21

## 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	5791.46	0.00	287.41	5791.46	S 0.00	W 0.00	0.00	0.00
End of Build	6791.37	30.00	287.41	6746.31	N 76.53	W 244.11	3.00	-239.97
End of Hold	6878.91	30.00	287.41	6822.13	N 89.63	W 285.87	0.00	-281.03
Target TPZ - ...Sec 21	7790.02	90.00	89.71	7463.00	N 204.00	E 101.09	13.00	111.18
Target Btm Pe...Sec 21	12103.13	90.00	89.71	7463.00	N 225.52	E 4414.14	0.00	4419.90
End of Turn	12104.22	90.00	89.57	7463.00	N 225.53	E 4415.24	13.00	4420.99
T.D. & Target BHL... 21	12203.10	90.00	89.57	7463.00	N 226.27	E 4514.11	0.00	4519.78