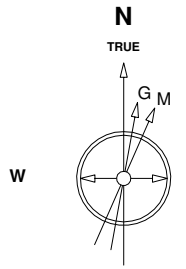
Great Western Operating Company, LLC

Location	**Colorado**	**Slot**	**S04 - Brant LE 08-242HC**
Field	**Wattenburg**	**Well**	**Brant LE 08-242HC**
Installation	**Brant**	**Wellbore**	**Brant LE 08-242HC (PWB)**

Created by admin
Date plotted 24-Aug-2017
Plot reference is Brant LE 08-242HC (PWB).
Ref wellpath is Brant LE 08-242HC (PWP#1).
Coordinates are in Feet reference S04 - Brant LE 08-242HC.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 4992.00 ft.
Plot North is aligned to TRUE North.



14-Apr-2017
IGRF Model [1900.0-2020.0] Dip: 66.51 deg Field: 52184.6 nT
Lat: N39 58 49.6308 Long: W104 50 52.6488 Elev: 4972.00 ft
Magnetic North is 8.24 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.24 deg

Scale 1 cm = 500 ft

East (Feet) ->

-2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000

BHL - 23,314 / 7472 MD/TVD, 2355 FSL, 370 FEL Sec 8
Btm Perf - 23,214 / 7622 MD/TVD, 1975 FSL, 470 FEL Sec 8

TPZ - 8202 / 7472 MD/TVD, 1975 FSL, 460 FWL Sec 12

E/2 Sec 11, T1S, R67W | Sec 12, T1S, R67W | Sec 7, T1S, R66W | Sec 8, T1S, R66W

Scale 1 cm = 1000 ft

<- True Vertical Depth (Feet)

-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000

4000 3000 2000 1000 0 -1000 -2000 -3000 -4000 -5000 -6000

<- North(Feet)

Scale 1 cm = 500 ft

9 5/8in Surface Casing

TPZ - 8202 / 7472 MD/TVD, 1975 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 23,214 / 7622 MD/TVD, 1975 FSL, 470 FEL Sec 8
BHL - 23,314 / 7472 MD/TVD, 2355 FSL, 370 FEL Sec 8

-2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 93.69 with reference 0.00 N, 0.00 E from S04 - Brant LE 08-242HC

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	5297.50	0.00	164.87	5297.50	S 0.00	W 0.00	0.00	0.00
End of Build	6297.63	30.00	164.87	6252.55	S 247.07	E 66.80	9.84	82.56
End of Hold	7376.75	30.00	164.87	7187.05	S 767.99	E 207.65	0.00	256.62
Target TPZ - ...Sec 12	8201.51	90.00	90.05	7622.00	S 1010.88	E 775.46	32.81	838.88
Target Btm Pe... Sec 8	23214.47	90.00	90.05	7622.00	S 1024.09	E 15788.42	0.00	15821.60
End of Turn	23215.14	90.00	89.96	7622.00	S 1024.09	E 15789.09	42.65	15822.27
T.D. & Target BHL...c 8	23314.24	90.00	89.96	7622.00	S 1024.03	E 15888.19	0.00	15921.16