

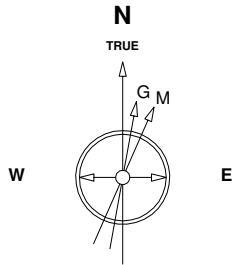
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E08 - Marcus LD 11-364HN
Well Marcus LD 11-364HN
Wellbore Marcus LD 11-364HN (PWB)

Created by admin
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-364HN (PWB).
Ref wellpath is Marcus LD 11-364HN (PWP#1).
Coordinates are in Feet reference Slot E08 - Marcus LD 11-364HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5058.20 ft.
Plot North is aligned to TRUE North.



Scale 1 cm = 500 ft

East (Feet) ->

-5000 -4000 -3000 -2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000

13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg

Scale
-3200
-1600
0
1600
3200
4800
6400
8000
9600
- True Vertical Depth (Feet)

9 5/8in Surface Casing

TPZ - 9918 MD, 7673 TVD, 998 FEL, 460 FNL Sec 2

5 1/2in Production Casing

Btm Perf - 19,212 MD, 7673 TVD, 990 FEL, 470 FSL Sec 11

BHL - 19,312 MD, 7673 TVD, 990 FEL, 370 FSL Sec 11

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 155.23 with reference 0.00 N, 0.00 E from Slot E08 - Marcus LD 11-364HN

TPZ - 9918 MD, 7673 TVD, 998 FEL, 460 FNL Sec 2

SW/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

Sec 2, T1S, R67W

Sec 11, T1S, R67W

- North (Feet)

Scale 1 cm = 500 ft

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.20	0.00	0.00	16.20	S 0.00	W 0.00		0.00
KOP	1400.00	0.00	99.99	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2822.75	42.68	99.99	2694.76	S 87.79	E 498.21	9.84	288.42
End of Hold	9084.18	42.68	99.99	7297.66	S 824.42	E 4678.66	0.00	2708.55
Target TPZ - ... Sec 2	9918.28	90.00	180.25	7673.00	S 1395.06	E 5017.34	32.81	3368.58
Target Btm Pe...Sec 11	19211.69	90.00	180.25	7673.00	S 10688.38	E 4977.17	0.00	11790.33
End of Turn	19213.63	90.00	180.00	7673.00	S 10690.32	E 4977.17	42.65	11792.09
T.D. & Target BHL... 11	19311.69	90.00	180.00	7673.00	S 10788.38	E 4977.17	0.00	11881.14

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