

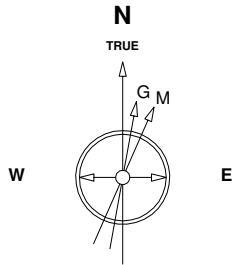
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E09 - Marcus LD 11-363HN
Well Marcus LD 11-363HN
Wellbore Marcus LD 11-363HN (PWB)

Created by admin
Date plotted 18-May-2016

Plot reference is Marcus LD 11-363HN (PWB).
Ref wellpath is Marcus LD 11-363HN (PWP#1).
Coordinates are in Feet reference Slot E09 - Marcus LD 11-363HN.
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.



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 1 cm = 400 ft

East (Feet) ->

-2400 -1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000

<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft

-1200
0
1200
2400
3600
4800
6000
7200
8400
9600

9 5/8in Surface Casing

5 1/2in Production Casing

TPZ - 10,224.29' MD, 7,786.00' TVD, 665 FEL, 460 FNL Sec 2

BHL - 19,511.52' MD, 7,786.00' TVD, 660 FEL, 470 FSL Sec 11

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 153.55 with reference 0.00 N, 0.00 E from Slot E09 - Marcus LD 11-363HN

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	99.19	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2866.79	44.00	99.19	2726.79	S 85.60	E 529.23	9.84	312.35
End of Hold	9386.10	44.00	99.19	7416.10	S 808.77	E 5000.11	0.00	2951.10
Target TPZ - ... Sec 2	10224.29	90.00	180.27	7786.00	S 1380.06	E 5350.35	32.81	3618.59
T.D. & Target BHL... 11	19511.52	90.00	180.27	7786.00	S 10667.19	E 5306.39	0.00	11914.13

Sec 34, T1N, R67W

Sec 35, T1N, R67W

TPZ - 10,224.29' MD, 7,786.00' TVD, 665 FEL, 460 FNL Sec 2

Sec 2 T1S, R67W

Sec 11, T1S, R67W

BHL - 19,511.52' MD, 7,786.00' TVD, 660 FEL, 470 FSL Sec 11

<- North(Feet)

Scale 1 cm = 450 ft

1800
900
0
-900
-1800
-2700
-3600
-4500
-5400
-6300
-7200
-8100
-9000
-9900
-10800
-11700