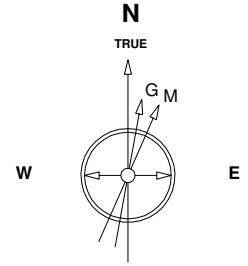


Great Western Operating Company, LLC

Location Colorado
Field Wattenberg
Installation Marcus

Slot Slot W06 - Marcus LD 11-377HN
Well Marcus LD 11-377HN
Wellbore Marcus LD 11-377HN (PWB)

Created by admin
Date plotted 11-Nov-2015
Plot reference is Marcus LD 11-377HN (PWB).
Ref wellpath is Marcus LD 11-377HN (PWP#1).
Coordinates are in Feet reference Slot W06 - Marcus LD 11-377HN.
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 = 500 ft

East (Feet) ->

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

SE/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

EP - 460 FNL, 1025 FWL Sec 2

Sec 2, T1S, R67W

Sec 11, T1S, R67W

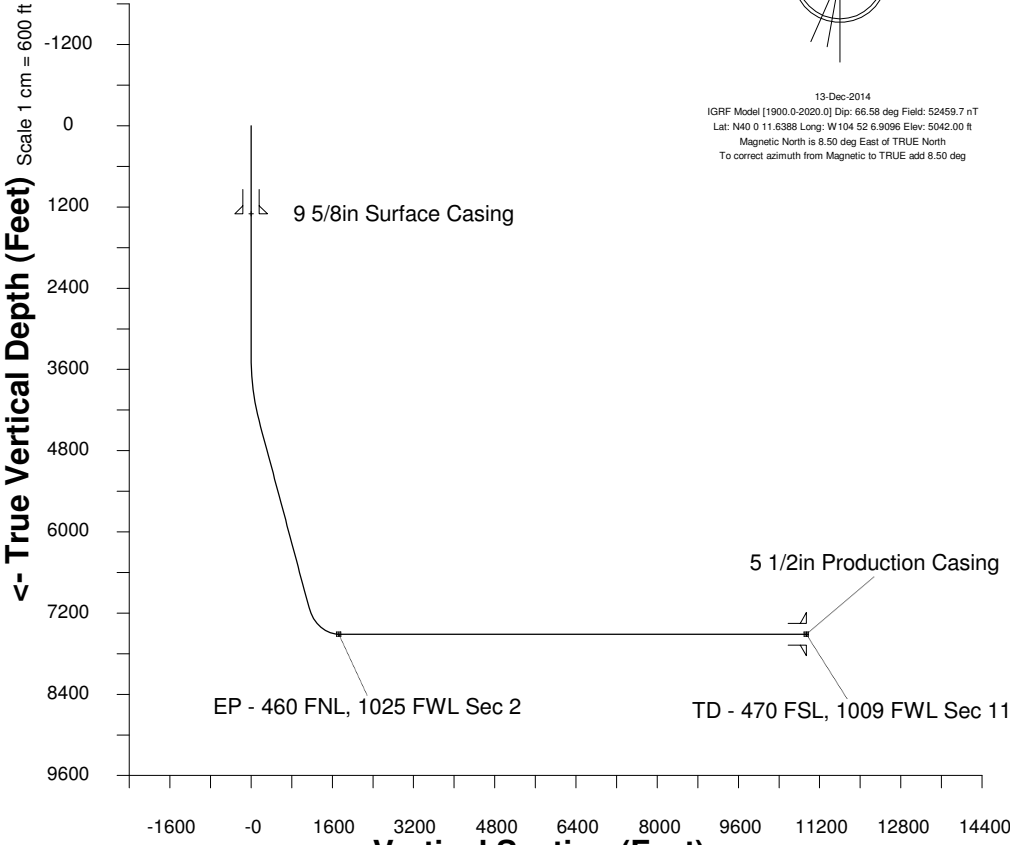
TD - 470 FSL, 1009 FWL Sec 11

<- North(Feet)

Scale 1 cm = 500 ft

<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 170.07 with reference 0.00 N, 0.00 E from Slot W06 - Marcus LD 11-377HN

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	3400.00	0.00	117.64	3400.00	S 0.00	W 0.00	0.00	0.00
End of Build	4410.51	30.32	117.64	4364.02	S 121.14	E 231.36	9.84	159.21
End of Hold	7606.31	30.32	117.64	7122.82	S 869.39	E 1660.42	0.00	1142.65
Target EP - 4... Sec 2	8370.24	90.00	179.86	7512.00	S 1425.76	E 1863.14	32.81	1725.65
T.D. & Target TD ... 11	17722.23	90.00	179.86	7512.00	S 10777.72	E 1886.54	0.00	10941.58