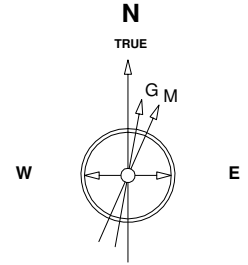


Great Western Operating Company, LLC

Location Colorado
Field Wattenberg
Installation Marcus

Slot Slot W03 - Marcus LD 11-379HN
Well Marcus LD 11-379HN
Wellbore Marcus LD 11-379HN (PWB)

Created by admin
Date plotted 11-Nov-2015
Plot reference is Marcus LD 11-379HN (PWB).
Ref wellpath is Marcus LD 11-379HN (PWP#1).
Coordinates are in Feet reference Slot W03 - Marcus LD 11-379HN.
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.



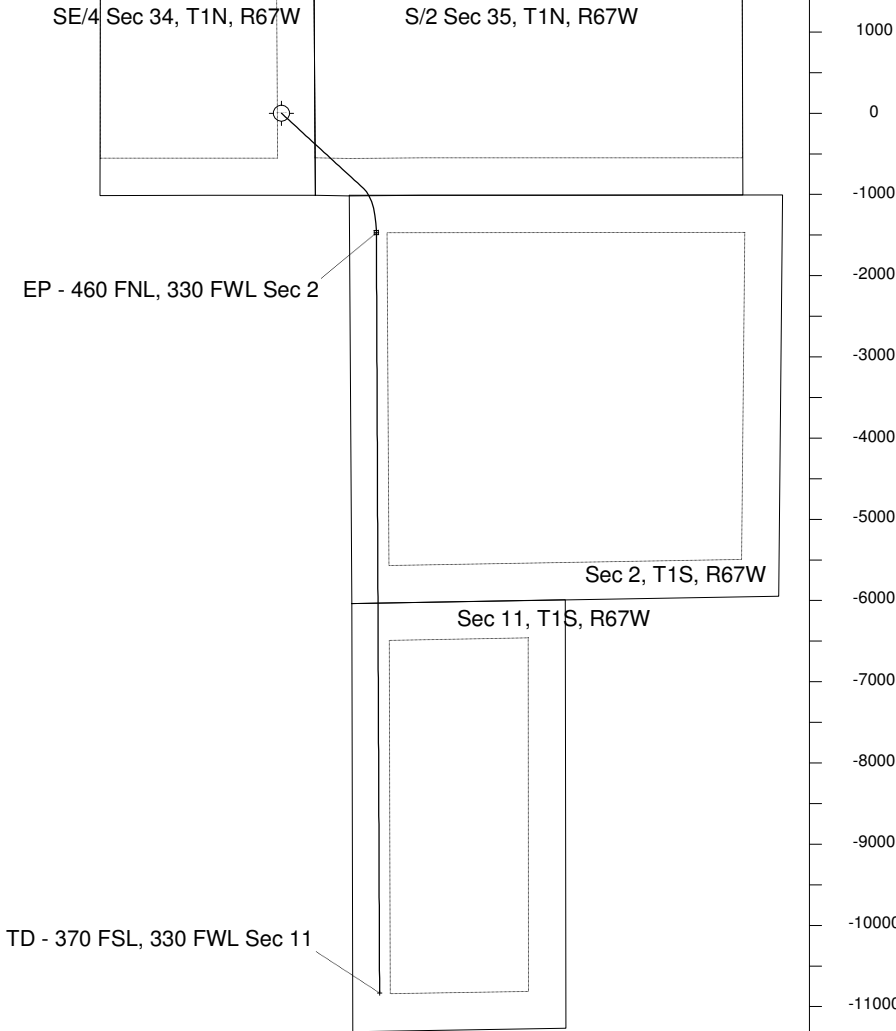
13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg

Scale 1 cm = 500 ft

East (Feet) ->

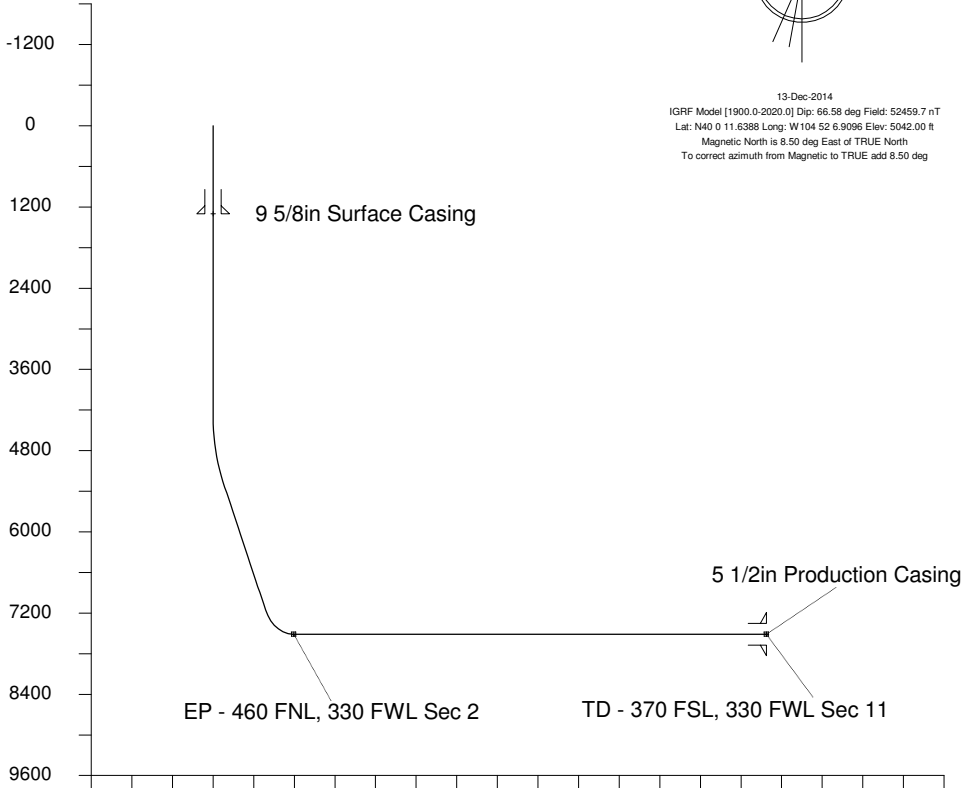
<- North(Feet)

Scale 1 cm = 500 ft



<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 173.64 with reference 0.00 N, 0.00 E from Slot W03 - Marcus LD 11-379HN

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	4300.00	0.00	132.52	4300.00	S 0.00	W 0.00	0.00	0.00
End of Build	5315.39	30.46	132.52	5268.23	S 178.16	E 194.30	9.84	198.60
End of Hold	7518.27	30.46	132.52	7167.04	S 932.92	E 1017.42	0.00	1039.93
Target EP - 4... Sec 2	8216.94	90.00	179.76	7512.00	S 1470.24	E 1168.64	32.81	1590.70
T.D. & Target TD ... 11	17680.28	90.00	179.76	7512.00	S 10933.49	E 1208.04	0.00	10900.64