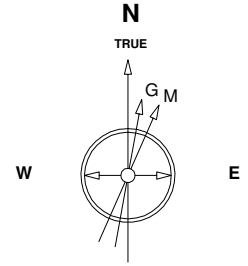


Great Western Operating Company, LLC

Location Colorado
Field Wattenberg
Installation Marcus

Slot Slot W08 - Marcus LD 11-374HC
Well Marcus LD 11-374HC
Wellbore Marcus LD 11-374HC (PWB)

Created by admin
Date plotted 11-Nov-2015
Plot reference is Marcus LD 11-374HC (PWB).
Ref wellpath is Marcus LD 11-374HC (PWP#1).
Coordinates are in Feet reference Slot W08 - Marcus LD 11-374HC.
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.



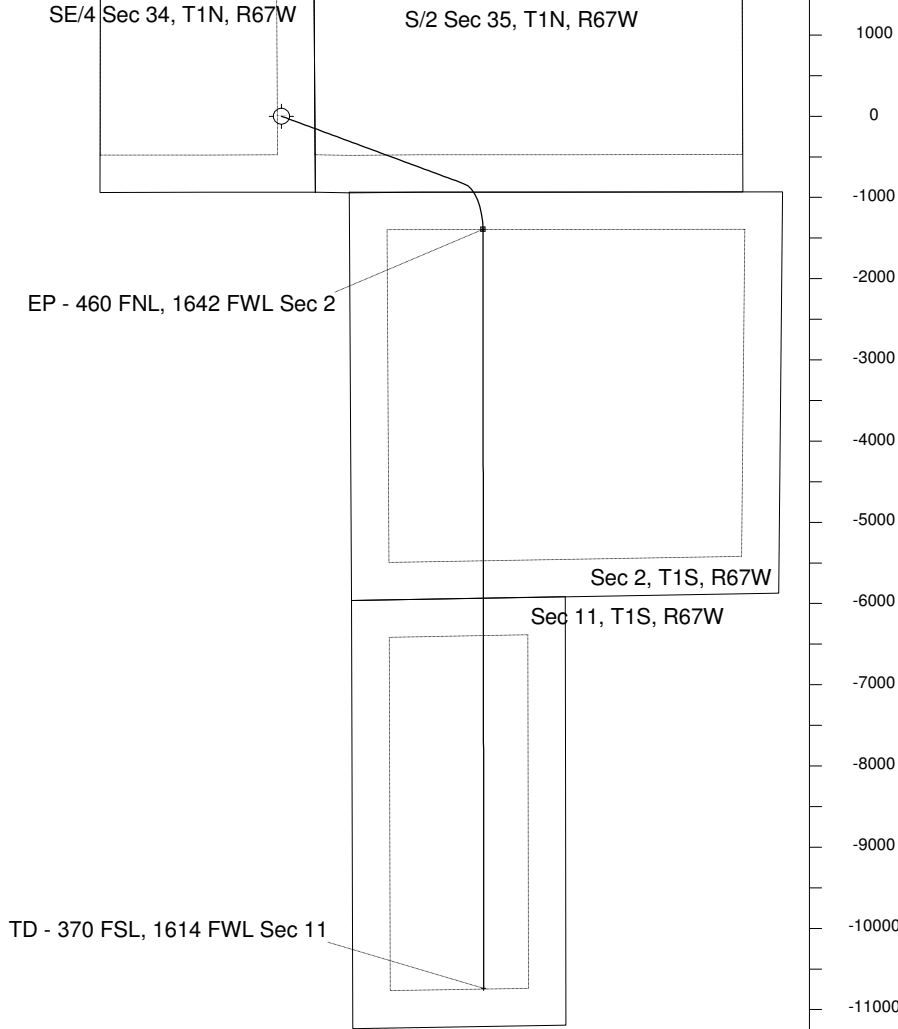
13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg

Scale 1 cm = 500 ft

East (Feet) ->

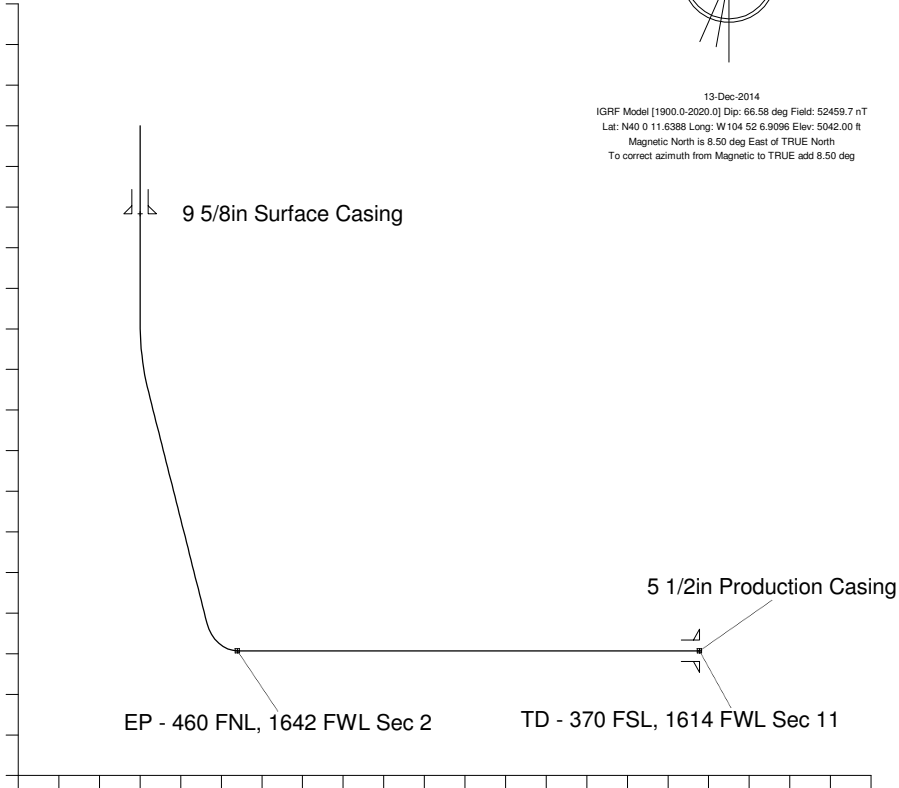
<- North(Feet)

Scale 1 cm = 500 ft



<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 166.94 with reference 0.00 N, 0.00 E from Slot W08 - Marcus LD 11-374HC

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	2900.00	0.00	110.30	2900.00	S 0.00	W 0.00	0.00	0.00
End of Build	3949.09	31.47	110.30	3897.13	S 97.48	E 263.51	9.84	154.51
End of Hold	7997.96	31.47	110.30	7350.36	S 830.87	E 2246.11	0.00	1317.01
Target EP - 4... Sec 2	8793.27	90.00	179.93	7757.00	S 1394.01	E 2480.13	32.81	1918.47
T.D. & Target TD ... 11	18236.49	90.00	179.93	7757.00	S 10837.23	E 2491.15	0.00	11022.43