

18-May-2015  
IGRF Model [1900.0-2020.0] Dip: 66.97 deg Field: 52672.1 nT  
Lat: N40 28 44.6304 Long: W104 46 26.8788 Elev: 4750.80 ft  
Magnetic North is 8.44 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.44 deg

# Great Western Operating Company, LLC

Location	Colorado	Slot	Slot 09 - Leffler FE 20-102HN
Field	Wattenberg	Well	Leffler FE 20-102HN
Installation	Leffler	Wellbore	Leffler FE 20-102HN (PWB)

Created by	admin
Date plotted	22-May-2015
Plot reference is Leffler FE 20-102HN (PWB). Ref wellpath is Leffler FE 20-102HN (PWP#1). Coordinates are in Feet reference Slot 09 - Leffler FE 20-102HN. True Vertical Depths are reference Rig Datum. Measured Depths are reference Rig Datum. Rig Datum: Planned Datum #1 Rig Datum to Mean Sea Level: 4750.80 ft. Plot North is aligned to TRUE North.	

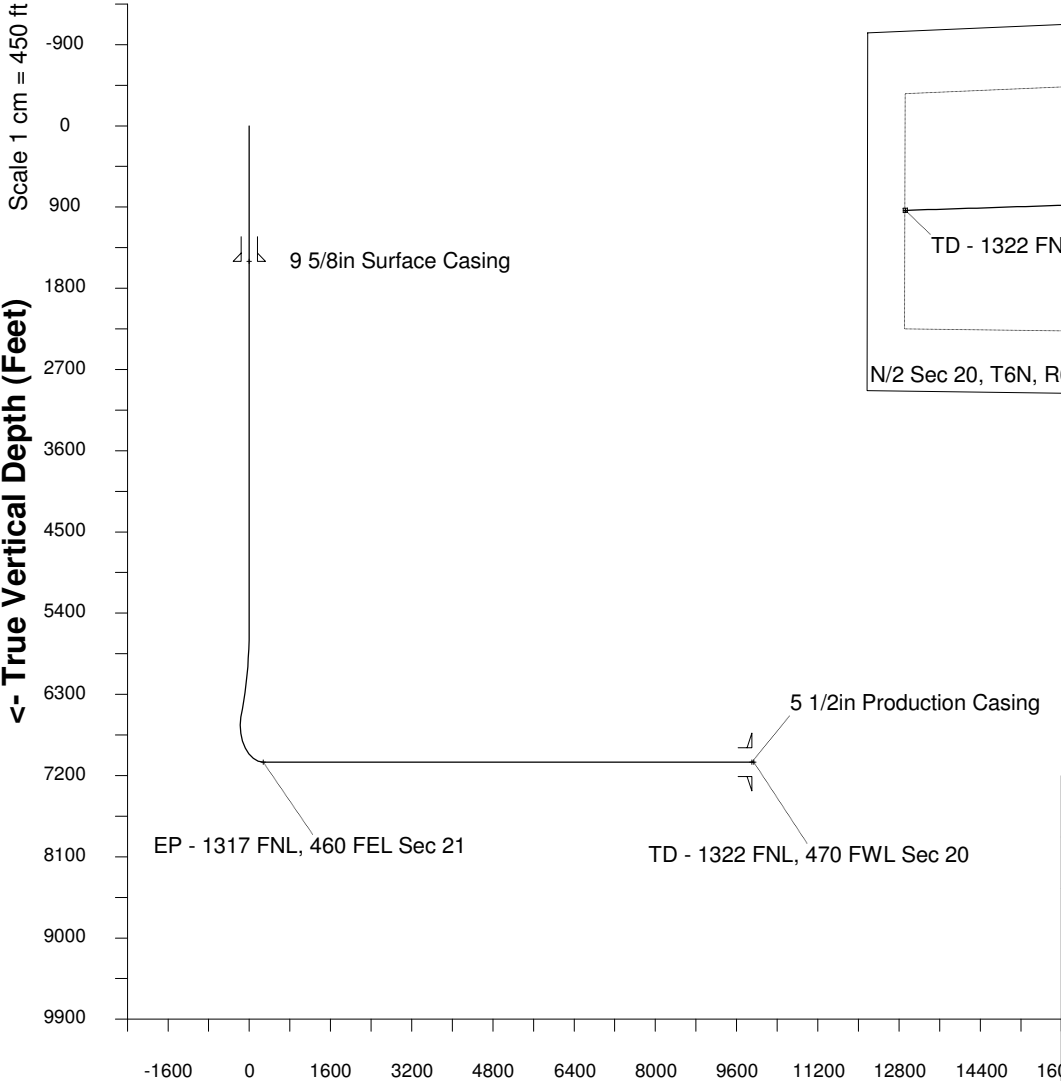
Scale 1 cm = 500 ft

East (Feet) ->

-11000 -10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000

Scale 1 cm = 450 ft

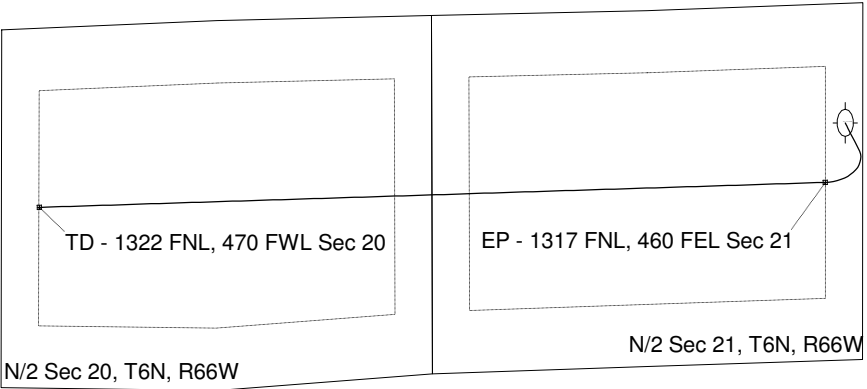
<- True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 266.40 with reference 0.00 N, 0.00 E from Slot 09 - Leffler FE 20-102HN



<- North(Feet)

Scale 1 cm = 300 ft

## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00		-0.00
KOP	5560.00	0.00	139.38	5560.00	S 0.00	W 0.00	0.00	-0.00
End of Build	6558.98	29.97	139.38	6514.05	S 193.84	E 166.24	9.84	-153.74
End of Hold	6565.01	29.97	139.38	6519.27	S 196.13	E 168.20	0.00	-155.55
Target EP - 1...Sec 21	7399.92	90.00	268.91	7050.00	S 440.09	W 245.10	42.65	272.26
T.D. & Target TD ... 20	17075.39	90.00	268.91	7050.00	S 624.27	W 9918.82	0.00	9938.44