

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

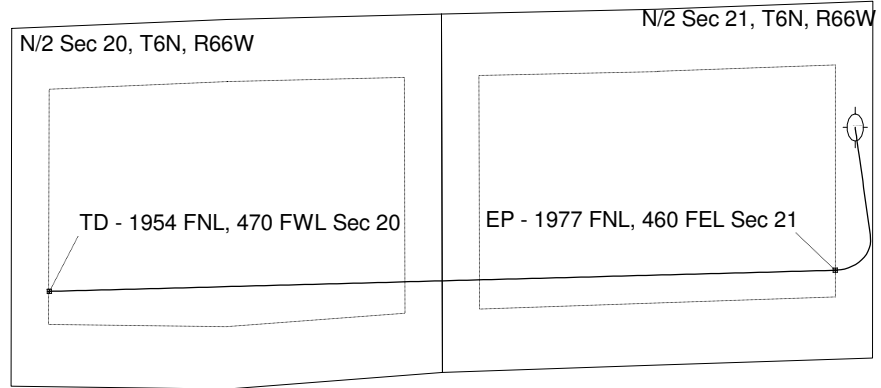
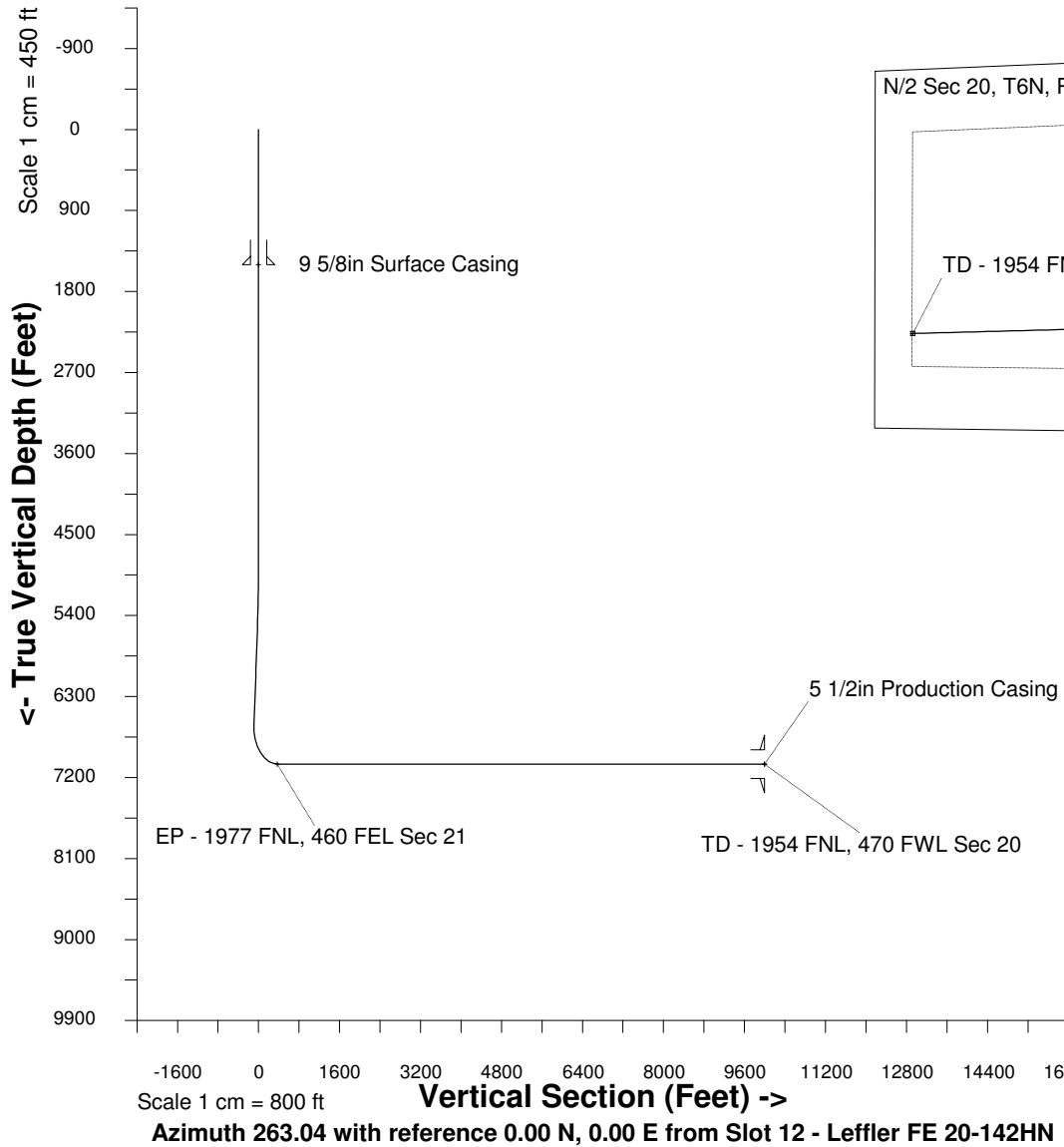
Location	Colorado	Slot	Slot 12 - Leffler FE 20-142HN
Field	Wattenberg	Well	Leffler FE 20-142HN
Installation	Leffler	Wellbore	Leffler FE 20-142HN (PWB)

Created by	admin
Date plotted	22-May-2015
Plot reference is Leffler FE 20-142HN (PWB).	
Ref wellpath is Leffler FE 20-142HN (PWP#1).	
Coordinates are in Feet reference Slot 12 - Leffler FE 20-142HN.	
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



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	4700.00	0.00	166.78	4700.00	S 0.00	W 0.00	0.00	-0.00
End of Build	5715.10	30.45	166.78	5667.97	S 256.49	E 60.24	9.84	-28.71
End of Hold	6827.12	30.45	166.78	6626.59	S 805.17	E 189.09	0.00	-90.12
Target EP - 1...Sec 21	7567.08	90.00	269.08	7050.00	S 1055.42	W 245.10	42.65	371.19
T.D. & Target TD ... 20	17244.53	90.00	269.08	7050.00	S 1211.18	W 9921.30	0.00	9994.95