

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

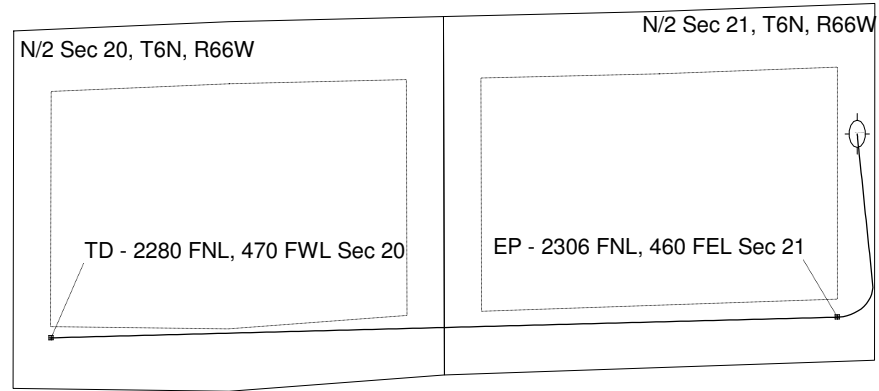
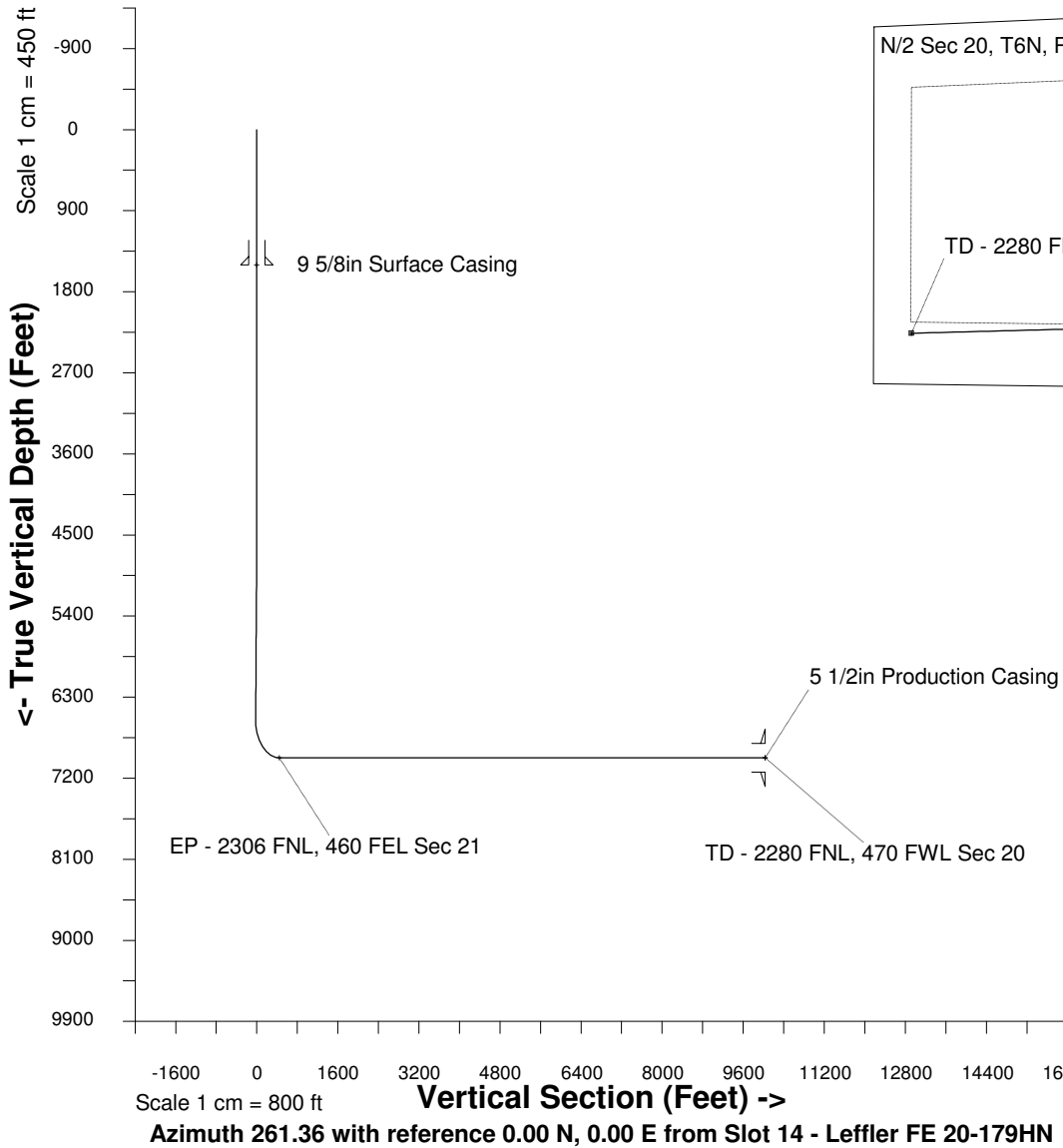
Location	Colorado	Slot	Slot 14 - Leffler FE 20-179HN
Field	Wattenberg	Well	Leffler FE 20-179HN
Installation	Leffler	Wellbore	Leffler FE 20-179HN (PWB)

Created by	admin
Date plotted	22-May-2015
Plot reference is Leffler FE 20-179HN (PWB).	
Ref wellpath is Leffler FE 20-179HN (PWP#1).	
Coordinates are in Feet reference Slot 14 - Leffler FE 20-179HN.	
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	4130.00	0.00	170.25	4130.00	S 0.00	W 0.00	0.00	-0.00
End of Build	5145.03	30.45	170.25	5097.92	S 259.63	E 44.61	9.84	-5.12
End of Hold	6844.77	30.45	170.25	6563.20	S 1108.62	E 190.47	0.00	-21.85
Target EP - 2...Sec 21	7571.46	90.00	269.10	6974.00	S 1354.16	W 245.11	42.65	445.65
T.D. & Target TD ... 20	17250.66	90.00	269.10	6974.00	S 1507.00	W 9923.10	0.00	10036.88