

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

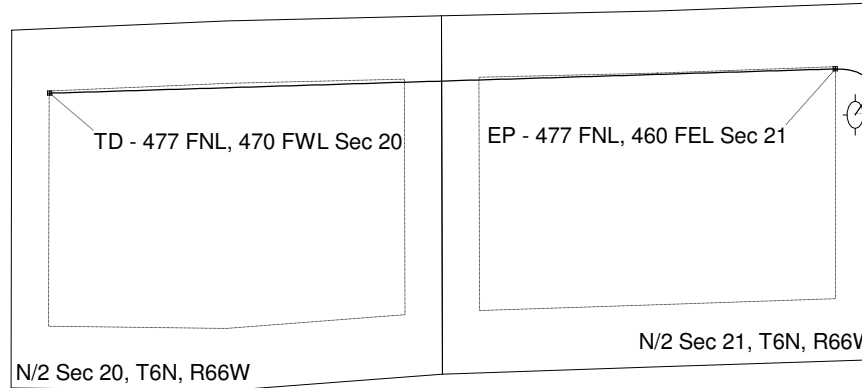
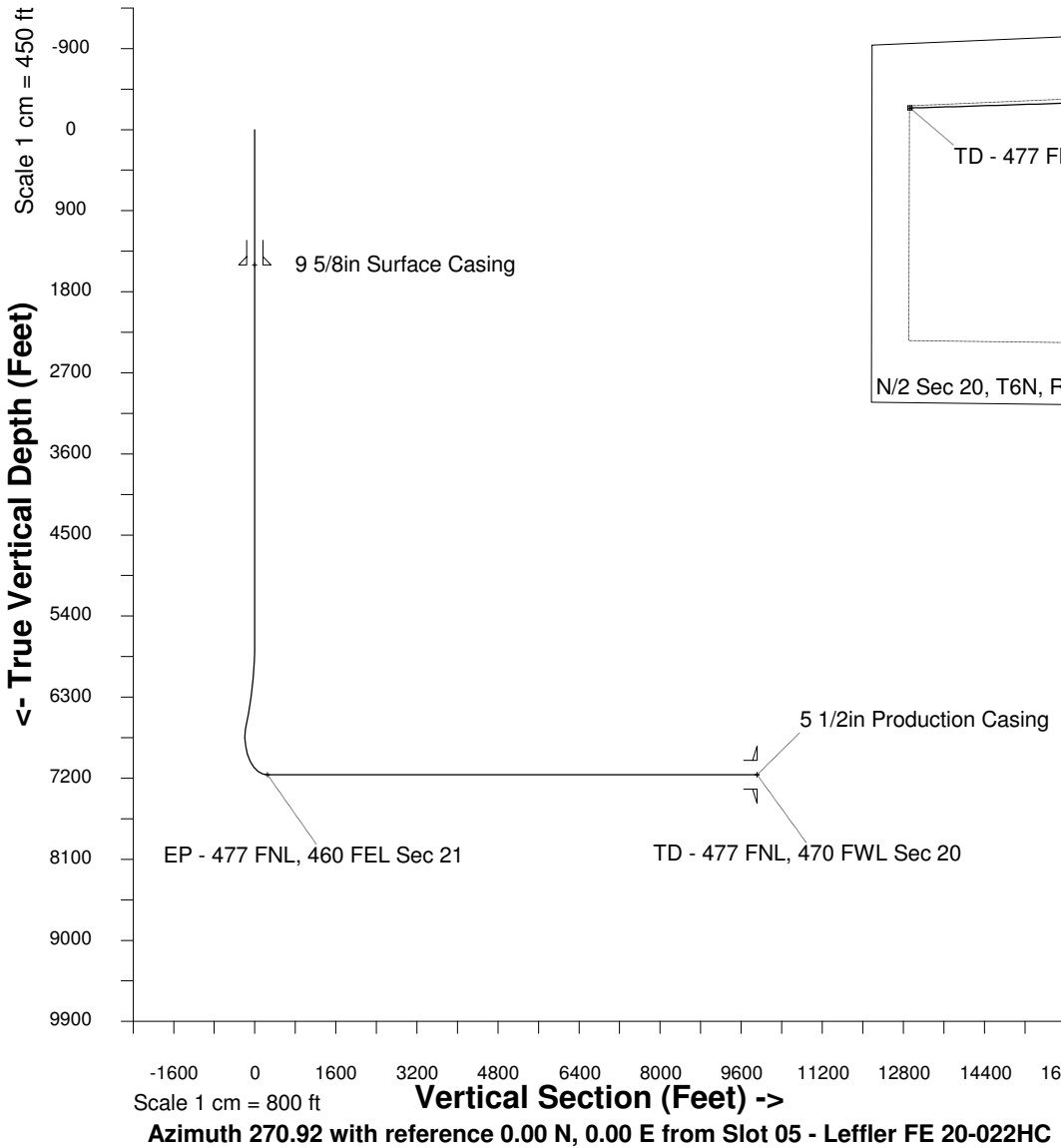
Location	Colorado	Slot	Slot 05 - Leffler FE 20-022HC
Field	Wattenberg	Well	Leffler FE 20-022HC
Installation	Leffler	Wellbore	Leffler FE 20-022HC (PWB)

Created by	admin
Date plotted	22-May-2015
Plot reference is Leffler FE 20-022HC (PWB). Ref wellpath is Leffler FE 20-022HC (PWP#1). Coordinates are in Feet reference Slot 05 - Leffler FE 20-022HC. 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	5690.00	0.00	48.10	5690.00	S 0.00	W 0.00	0.00	0.00
End of Build	6613.11	27.69	48.10	6577.59	N 146.12	E 162.83	9.84	-160.46
End of Hold	6636.81	27.69	48.10	6598.57	N 153.48	E 171.03	0.00	-168.53
Target EP - 4...Sec 21	7487.46	90.00	268.94	7162.00	N 339.18	W 245.09	42.65	250.52
T.D. & Target TD ... 20	17159.46	90.00	268.94	7162.00	N 159.74	W 9915.42	0.00	9916.71