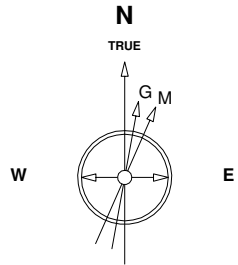


Great Western Operating Company, LLC

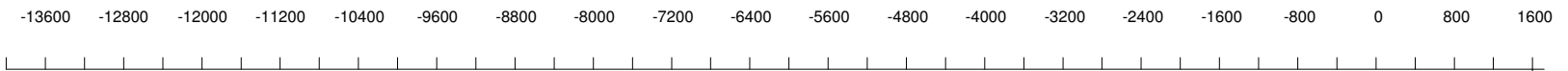
Location	Colorado	Slot	Slot S14 - Tower LD 19-222HN
Field	Wattenburg	Well	Tower LD 19-222HN
Installation	Tower	Wellbore	Tower LD 19-222HN (PWB)

Created by admin
Date plotted 15-May-2017
Plot reference is Tower LD 19-222HN (PWB).
Ref wellpath is Tower LD 19-222HN (PWP#1).
Coordinates are in Feet reference Slot S14 - Tower LD 19-222HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5259.60 ft.
Plot North is aligned to TRUE North.



Scale 1 cm = 400 ft

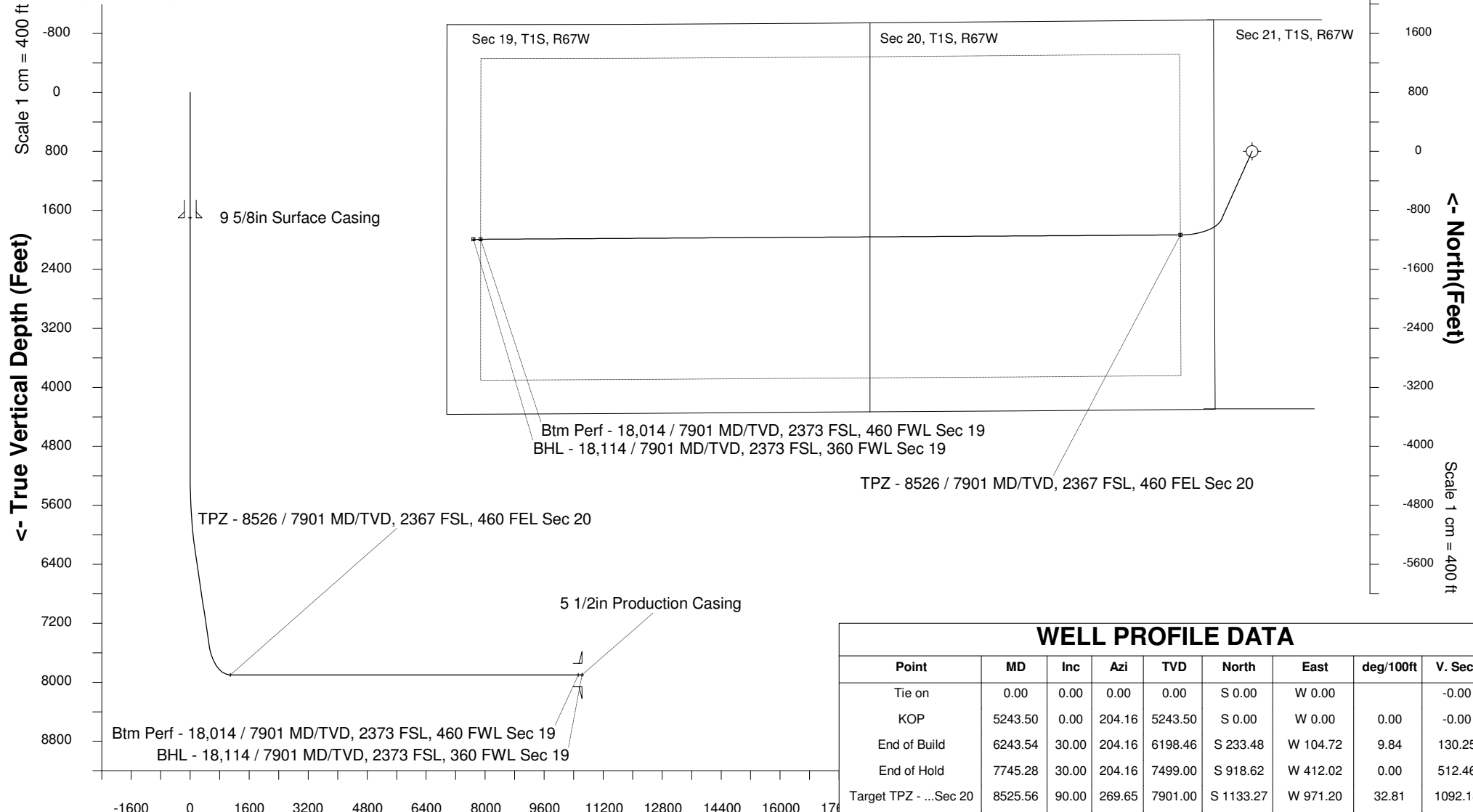
East (Feet) ->



10-May-2017
IGRF Model [1900.0-2020.0] Dip: 66.48 deg Field: 52154.2 nT
Lat: N39 57 11.0916 Long: W104 54 7.2792 Elev: 5239.60 ft
Magnetic North is 8.26 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.26 deg

Scale 1 cm = 400 ft

Scale 1 cm = 400 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	5243.50	0.00	204.16	5243.50	S 0.00	W 0.00	0.00	-0.00
End of Build	6243.54	30.00	204.16	6198.46	S 233.48	W 104.72	9.84	130.25
End of Hold	7745.28	30.00	204.16	7499.00	S 918.62	W 412.02	0.00	512.46
Target TPZ - ...Sec 20	8525.56	90.00	269.65	7901.00	S 1133.27	W 971.20	32.81	1092.18
Target Btm Pe...Sec 19	18014.03	90.00	269.65	7901.00	S 1191.92	W 10459.50	0.00	10527.18
End of Turn	18016.81	90.00	270.01	7901.00	S 1191.93	W 10462.27	42.65	10529.94
T.D. & Target BHL... 19	18114.04	90.00	270.01	7901.00	S 1191.92	W 10559.50	0.00	10626.56

Scale 1 cm = 800 ft Vertical Section (Feet) ->
Azimuth 263.56 with reference 0.00 N, 0.00 E from Slot S14 - Tower LD 19-222HN