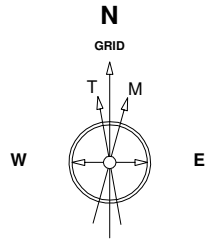


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenberg  
**Installation** Milliken Investors  
**Slot** Slot D - Milliken Investors HD 22-039HC  
**Well** Milliken Investors HD 22-039HC  
**Wellbore** Milliken Investors HD 22-039HC (PWB)

Created by admin  
Date plotted 3-Feb-2015  
Plot reference is Milliken Investors HD 22-039HC (PWB).  
Ref wellpath is Milliken Investors HD 22-039HC (PWP#1).  
Coordinates are in Feet reference Slot D - Milliken Investors HD 22-039HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 4909.80 ft.  
Plot North is aligned to GRID North.

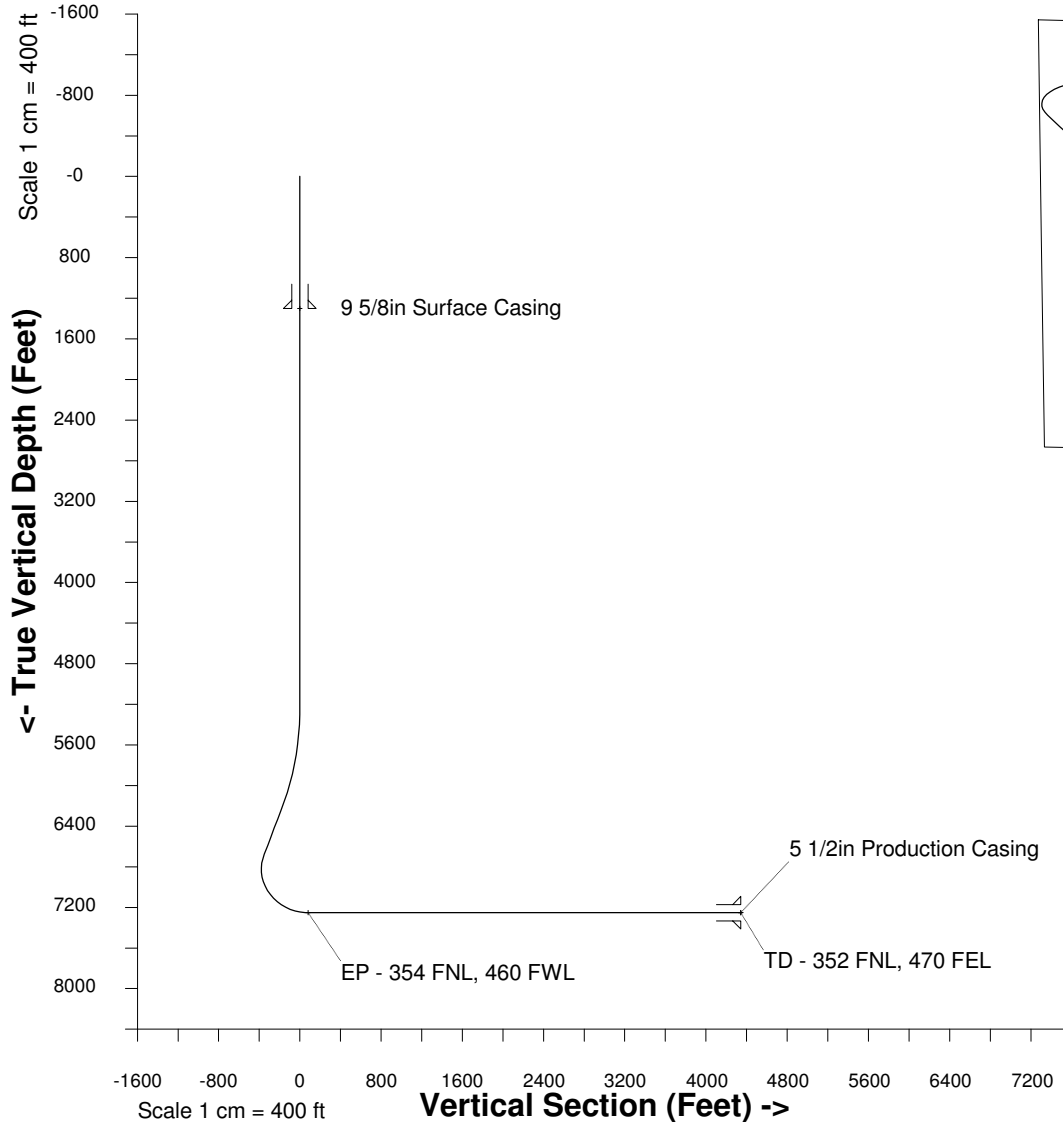


8-Jan-2015  
IGRF Model [1900.0-2020.0] Dip: 66.82 deg Field: 52607.4 nT  
Lat: N40 18 10.2888 Long: W104 53 5.2800 Elev: 4893.60 ft  
Magnetic North is 8.52 deg East of True North  
GRID North is 0.40 deg East of True North  
To correct azimuth from True to GRID subtract 0.40 deg  
To correct azimuth from Magnetic to GRID add 8.13 deg

Scale 1 cm = 250 ft

East (Feet) ->

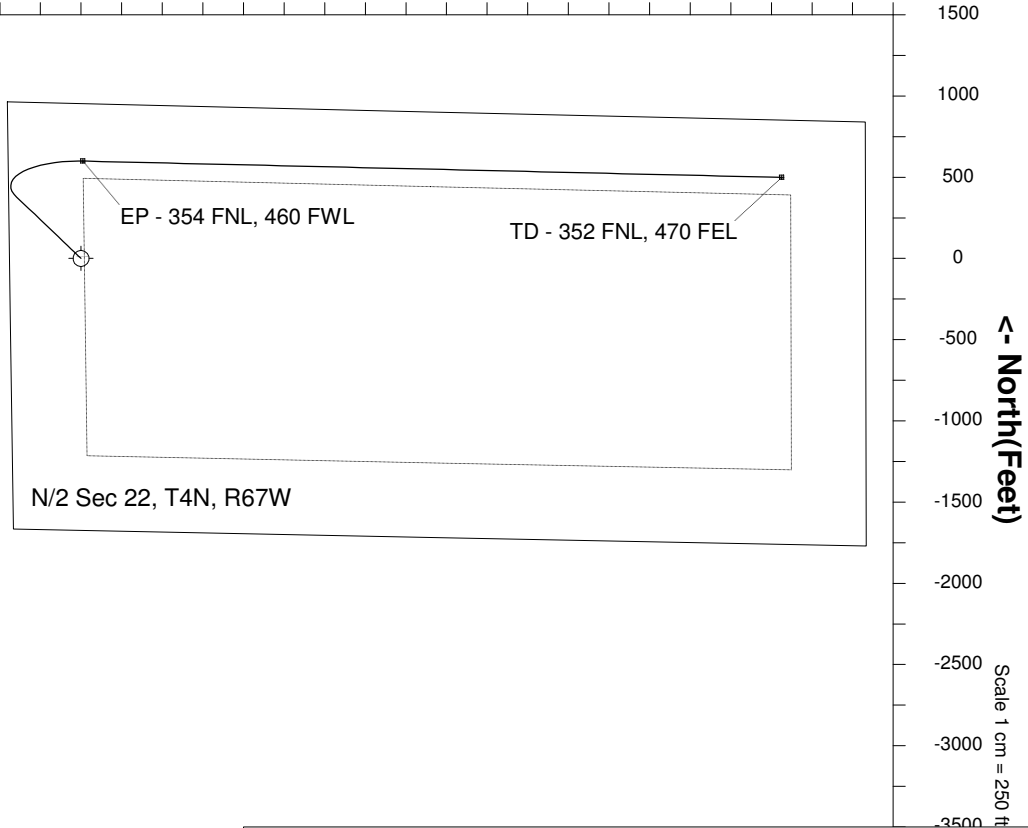
-2000 -1500 -1000 -500 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000



Scale 1 cm = 400 ft

Vertical Section (Feet) ->

Azimuth 83.41 with reference 0.00 N, 0.00 E from Slot D - Milliken Investors HD 22-039HC



North(Feet)

Scale 1 cm = 250 ft

## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.20	0.00	0.00	16.20	S 0.00	W 0.00		0.00
KOP	5230.00	0.00	313.64	5230.00	S 0.00	W 0.00	0.00	0.00
End of Build	6255.18	30.76	313.64	6206.65	N 185.38	W 194.38	9.84	-171.80
End of Hold	6815.45	30.76	313.64	6688.12	N 383.12	W 401.70	0.00	-355.05
Target EP - 3...60 FWL	7678.70	90.00	91.34	7252.00	N 599.38	E 11.46	42.65	80.22
T.D. & Target TD ...FEL	11982.97	90.00	91.34	7252.00	N 498.82	E 4314.56	0.00	4343.30