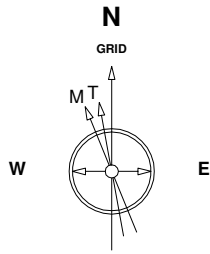


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenberg  
**Installation** DeTienne 10

**Slot** Slot #3  
**Well** DeTienne FD 10-239HC  
**Wellbore** DeTienne FD 10-239HC (PWB)

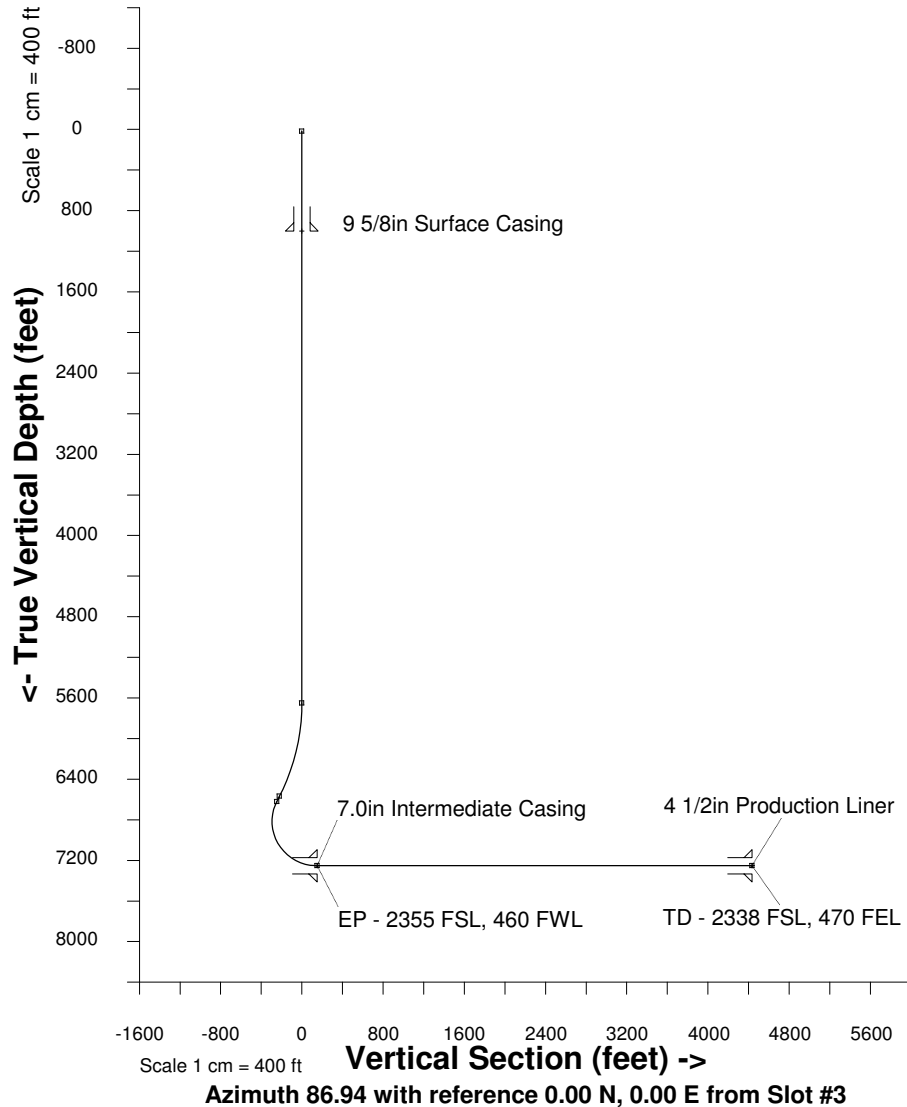
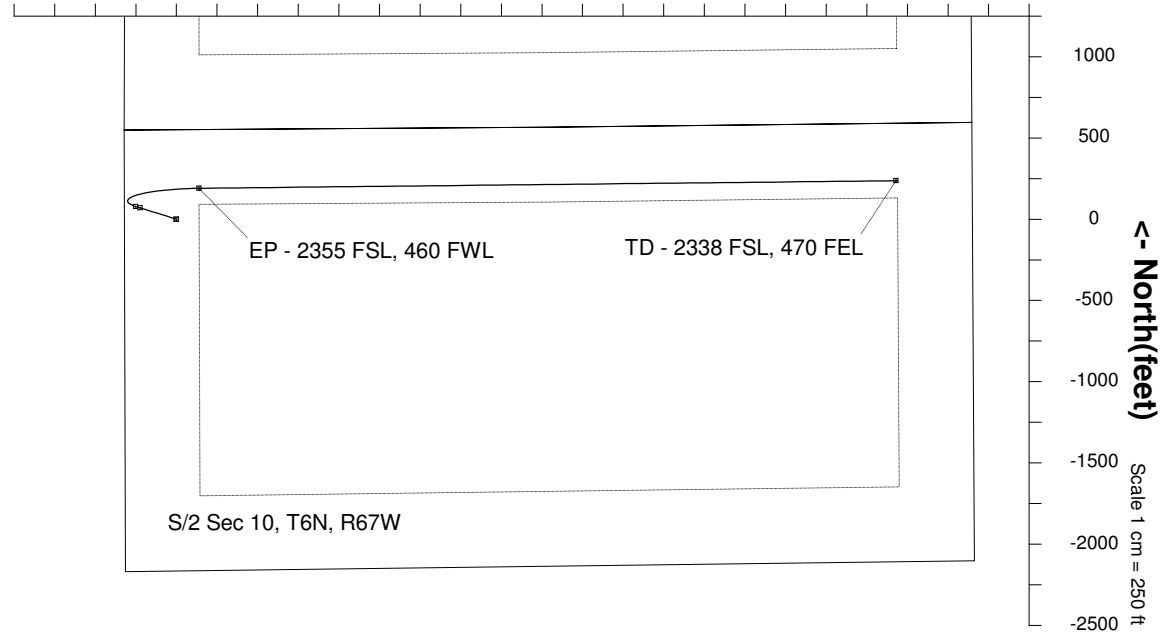


12-Nov-2014  
IGRF Model [1900.0-2015.0] Dip: -29.76 deg Field: 32232.1 nT  
Magnetic North is 4.43 deg West of True North  
GRID North is 0.40 deg East of True North  
To correct azimuth from True to GRID subtract 0.40 deg  
To correct azimuth from Magnetic to GRID subtract 4.83 deg

Scale 1 cm = 250 ft

East (feet) ->

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



## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.20	0.00	0.00	16.20	0.00	0.00	0.00	0.00
KOP	5650.00	0.00	0.00	5650.00	0.00	0.00	0.00	0.00
End of Build	6606.82	28.70	287.41	6567.29	70.24	-223.95	3.00	-219.88
End of Hold	6666.92	28.70	287.41	6620.01	78.88	-251.49	0.00	-246.92
Target EP - 2355 FSL,	7568.26	90.00	89.38	7253.00	190.41	139.41	13.00	149.38
T.D. & Target TD - 2338	11858.09	90.00	89.38	7253.00	236.82	4428.99	0.00	4435.32

Created by admin  
Date plotted 12-Nov-2014  
Plot reference is DeTienne FD 10-239HC (PWB).  
Ref wellpath is DeTienne FD 10-239HC (PWP#1).  
Coordinates are in feet reference Slot #3.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 4854.80 ft.  
Plot North is aligned to GRID North.