

Great Western Operating Company, LLC

Location Colorado
Field Wattenberg
Installation T&M

Slot T&M DE 22-039HC
Well T&M DE 22-039HC
Wellbore T&M DE 22-039HC (PWB)

Created by admin

Date plotted 26-Jan-2016

Plot reference is T&M DE 22-039HC (PWB).

Ref wellpath is T&M DE 22-039HC (PWP#1).

Coordinates are in Feet reference T&M DE 22-039HC.

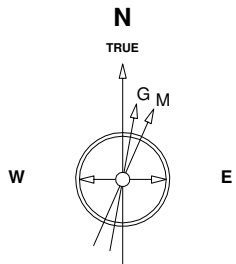
True Vertical Depths are reference Rig Datum.

Measured Depths are reference Rig Datum.

Rig Datum: Planned Datum #1

Rig Datum to Mean Sea Level: 5104.80 ft.

Plot North is aligned to TRUE North.

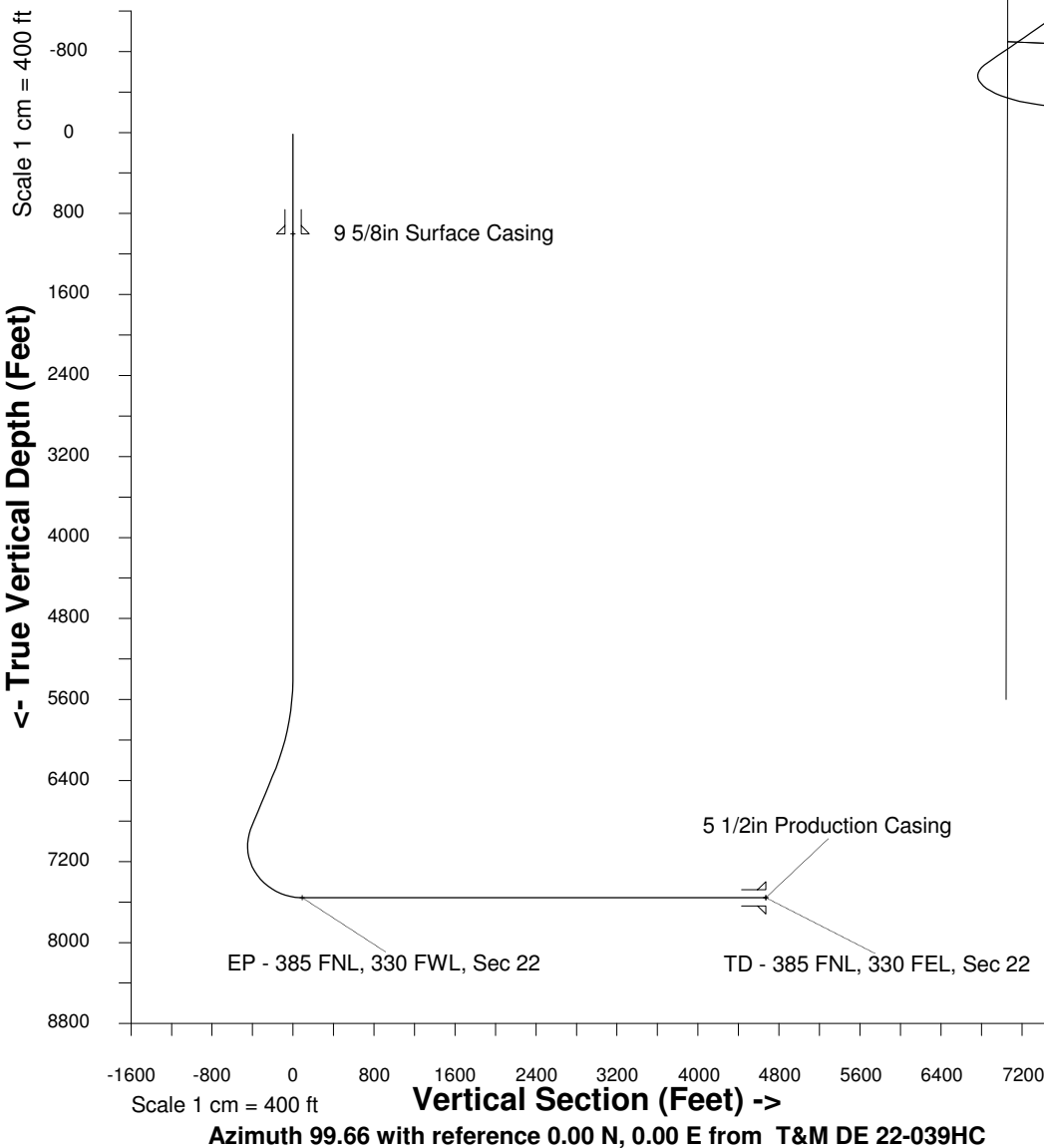


26-Jan-2016
IGRF Model [1900.0-2020.0] Dip: 67.09 deg Field: 52681.3 nT
Lat: N40 39 19.1088 Long: W104 46 18.2784 Elev: 5088.60 ft
Magnetic North is 8.38 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.38 deg

Scale 1 cm = 250 ft

East (Feet) ->

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



Sec 15, T8N, R66W

EP - 385 FNL, 330 FWL, Sec 22

TD - 385 FNL, 330 FEL, Sec 22

Sec 22, T8N, R66W

<- 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	5355.00	0.00	235.30	5355.00	S 0.00	W 0.00	0.00	0.00
End of Build	6356.18	30.04	235.30	6310.95	S 146.01	W 210.84	9.84	-183.35
End of Hold	7001.80	30.04	235.30	6869.87	S 329.98	W 476.51	0.00	-414.38
Target EP - 3...Sec 22	8033.86	90.00	92.41	7558.00	S 589.85	W 9.43	36.09	89.68
T.D. & Target TD ... 22	12650.96	90.00	92.41	7558.00	S 783.60	E 4603.60	0.00	4669.82