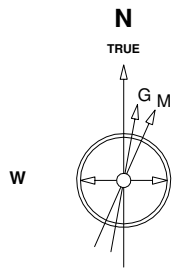
Great Western Operating Company, LLC

Location	**Colorado**	**Slot**	**Slot 15 - Schneider HD 11-182HC**
Field	**Wattenburg**	**Well**	**Schneider HD 11-182HC**
Installation	**Schneider - North**	**Wellbore**	**Schneider HD 11-182HC (PWB)**

Created by admin
Date plotted 28-Jul-2017
Plot reference is Schneider HD 11-182HC (PWB).
Ref wellpath is Schneider HD 11-182HC (PWP#1).
Coordinates are in Feet reference Slot 15 - Schneider HD 11-182HC.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 4752.40 ft.
Plot North is aligned to TRUE North.



29-Sep-2014
IGRF Model [1900.0-2020.0] Dip: 66.86 deg Field: 52660.1 nT
Lat: N40 19 26.4108 Long: W104 49 36.8184 Elev: 4732.40 ft
Magnetic North is 8.53 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.53 deg

Scale 1 cm = 400 ft

East (Feet) ->

-14400 -13600 -12800 -12000 -11200 -10400 -9600 -8800 -8000 -7200 -6400 -5600 -4800 -4000 -3200 -2400 -1600 -800 0 800

<- True Vertical Depth (Feet)

Scale 1 cm = 400 ft

-1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000

<- North(Feet)

4800 4000 3200 2400 1600 800 0 -800 -1600 -2400 -3200 -4000

Scale 1 cm = 400 ft

N/2 Sec 11, T4N, R67W

N/2 Sec 12, T4N, R67W

9 5/8in Surface Casing

Btm Perf - 17,472 / 7241 MD/TVD, 2600 FNL, 471 FWL Sec 11

BHL - 17,573 / 7241 MD/TVD, 2602 FNL, 370 FWL Sec 11

TPZ - 7831 / 7241 MD/TVD, 2600 FNL, 461 FEL Sec 12

W/2 Sec 7
T4N, R66W

TPZ - 7831 / 7241 MD/TVD, 2600 FNL, 461 FEL Sec 12

5 1/2in Production Casing

Btm Perf - 17,472 / 7241 MD/TVD, 2600 FNL, 471 FWL Sec 11

BHL - 17,573 / 7241 MD/TVD, 2602 FNL, 370 FWL Sec 11

-1600 0 1600 3200 4800 6400 8000 9600 11200 12800 14400 16000

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 274.54 with reference 0.00 N, 0.00 E from Slot 15 - Schneider HD 11-182HC

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	4322.50	0.00	307.07	4322.50	S 0.00	W 0.00	0.00	0.00
End of Build	5322.49	30.00	307.07	5277.42	N 154.22	W 204.17	9.84	215.74
End of Hold	7277.41	30.00	307.07	6970.44	N 743.37	W 984.11	0.00	1039.90
Target TPZ - ...Sec 12	7830.71	90.00	270.28	7241.00	N 839.04	W 1421.17	39.37	1483.16
Target Btm Pe...Sec 11	17471.98	90.00	270.28	7241.00	N 885.92	W 11062.32	0.00	11097.74
End of Turn	17474.86	90.00	270.65	7241.00	N 885.94	W 11065.20	42.65	11100.61
T.D. & Target BHL... 11	17572.64	90.00	270.65	7241.00	N 887.06	W 11162.98	0.00	11198.17