

# Woolsey Operating Company, LLC

Scale 1:600 (2"=100") Metric  
Measured Depth Log

Well Name: Miller-Diel 1 H  
Location: Section 14 - Township 34 South - Range 11 West  
License Number: 15-007- 23928-01-00 Region: Barber County, KS  
Spud Date: August 5, 2012 Drilling Completed:  
Surface Coordinates: SW SE SE SW  
13' FSL, 2115' FWL  
Bottom Hole 330' FSL and 1980' FWL  
Coordinates: Section 23 - Township 34 South - Range 11 West  
Ground Elevation (m): 1380' K.B. Elevation (m): 1397'  
Logged Interval (m): 4000' To: Total Depth (m):  
Formation: Kansas City Group ----> Mississippian  
Type of Drilling Fluid: Water/Flozan

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

Company: Woolsey Operating Company, LLC  
Address: 125 N. Market Suite 1000  
Wichita, Kansas 67202

## GEOLOGIST

Name: Bill Klaver  
Company: Woolsey Operating Company, LLC  
Address: 125 N. Market Suite 1000  
Wichita, Kansas 67202

### Comments

Gas Detector: Woolsey Operating Co. Gas Trailer #2  
 Mud Program: Mud-Co. Brad Bortz, Engineer

### Crews
















Dan D Drilling Rig 11, Mitch Sovia-Toolpusher, Sammy Fry-Relief  
 Drillers: (12 hour tours)












### ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till
















### ACCESSORIES







#### MINERAL

	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlt
	Dol
	Feldspar
	Ferrpel
	Ferr
	Glau

	Gyp
	Hvymn
	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff

#### FOSSIL

	Algae
	Amph
	Belm
	Bioclst
	Brach
	Bryozoa
	Cephal
	Coral
	Crin
	Echin
	Fish
	Foram
	Fossil
	Gastro
	Oolite












	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom

#### STRINGER

	Anhy
	Arg
	Bent
	Coal
	Dol
	Gyp
	Ls
	Mrst

	Sltstrg
	Ssstrg

#### TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

**OTHER SYMBOLS**

**POROSITY**

- E Earthy
- F Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint

V Vuggy

**SORTING**

- W Well
- M Moderate
- P Poor

**ROUNDING**

- R Rounded
- S Subrnd
- a Subang
- A Angular

**OIL SHOW**

- Even

● Spotted

○ Ques

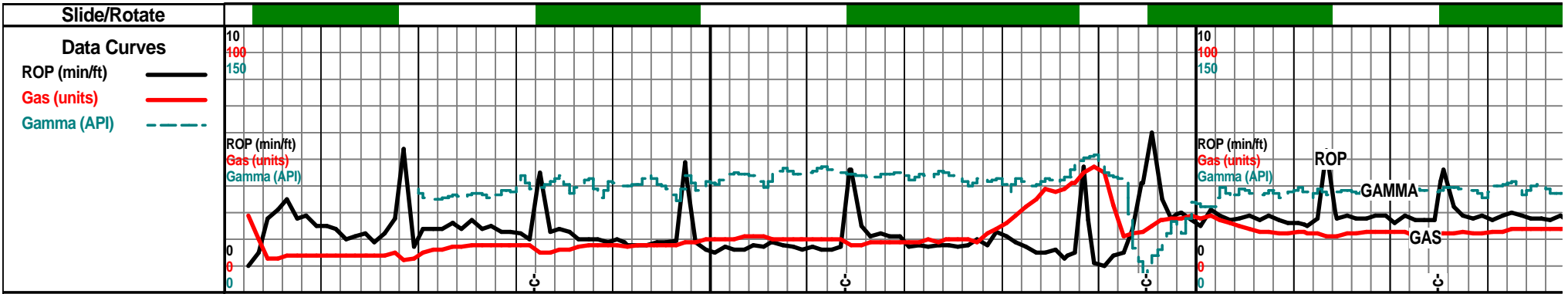
▽ Dead

**INTERVAL**

- Core
- Dst

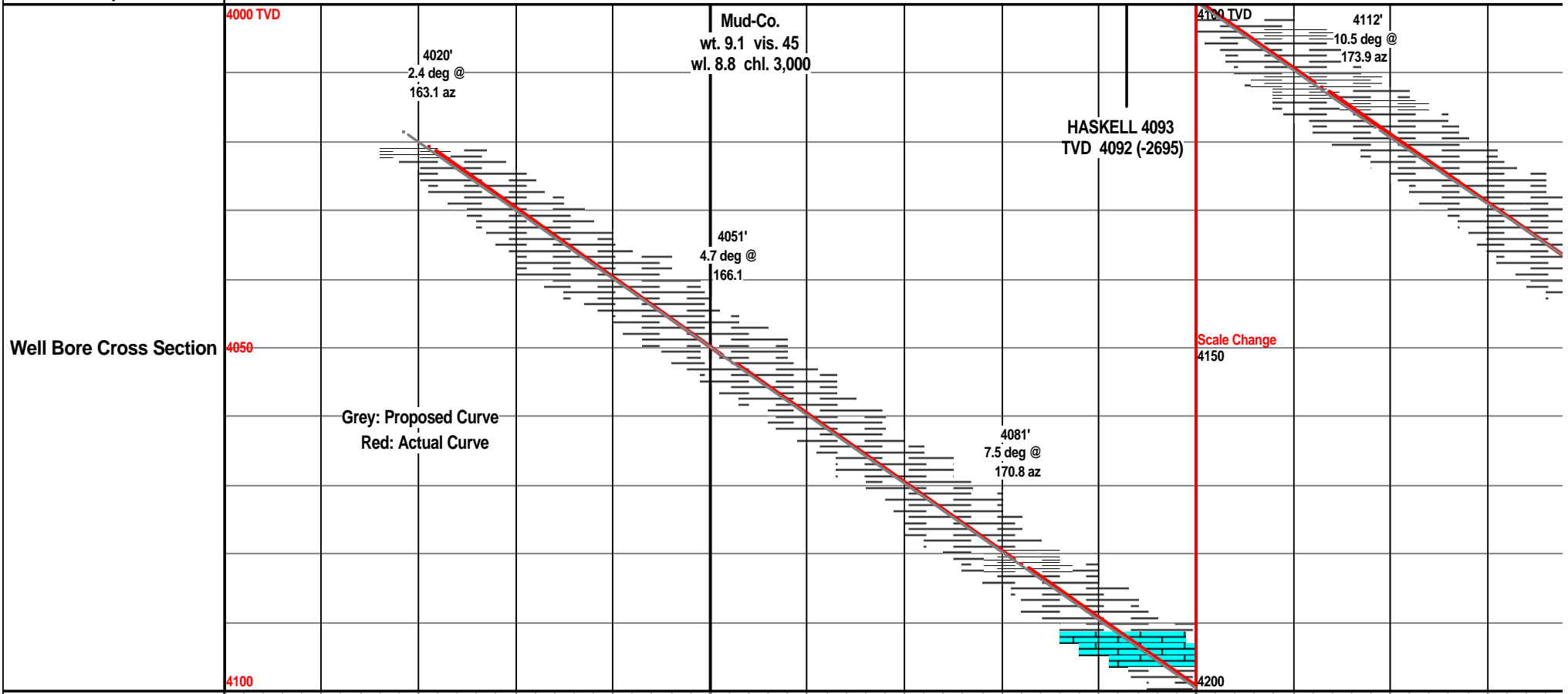
**EVENT**

- ▽ Rft
- ▽ Sidewall

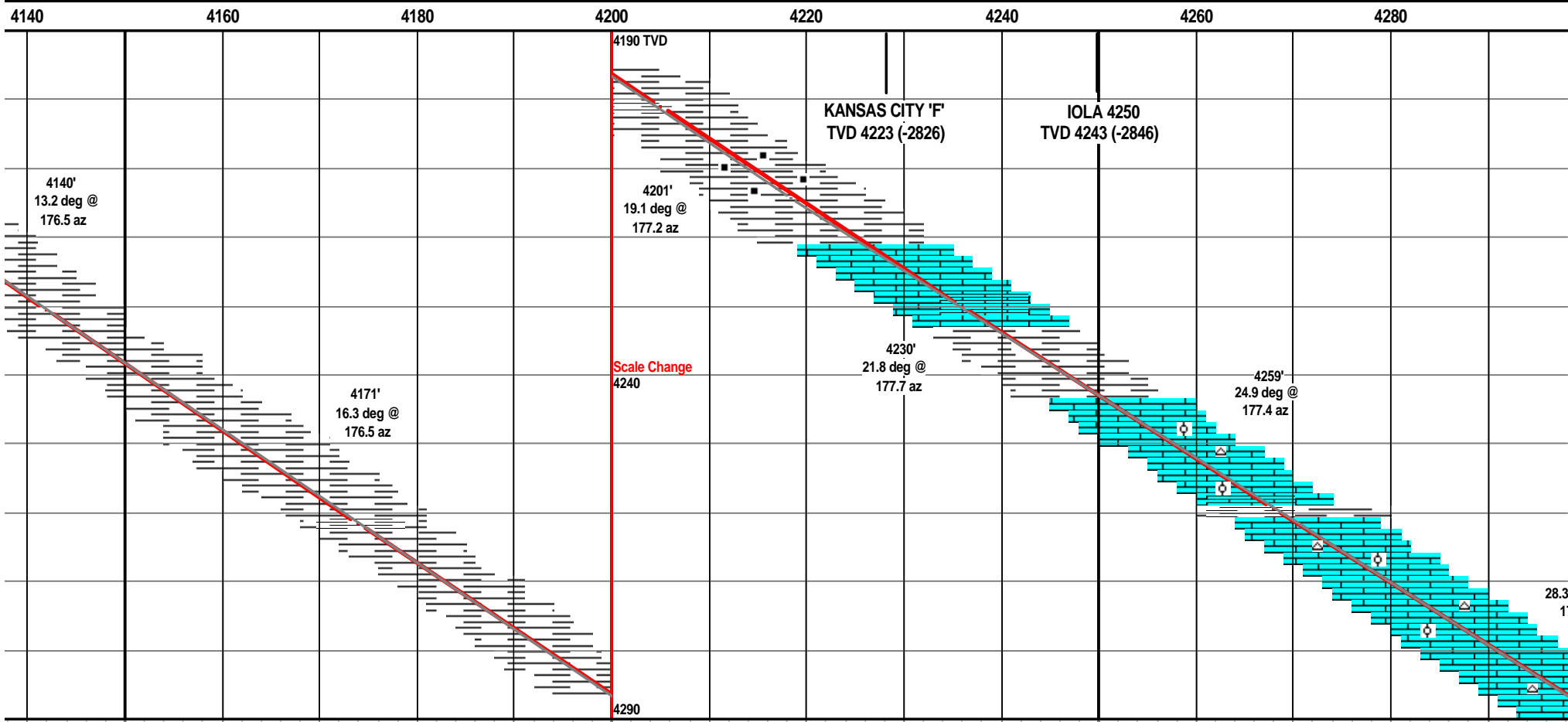
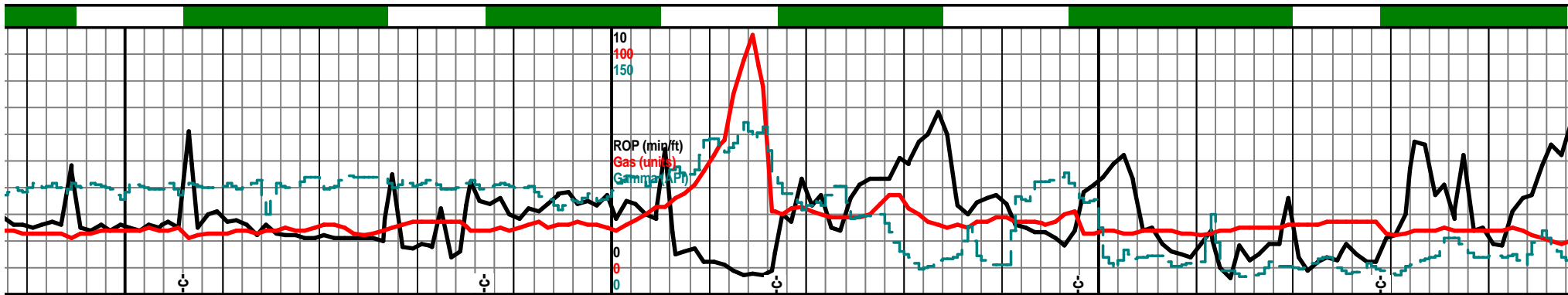


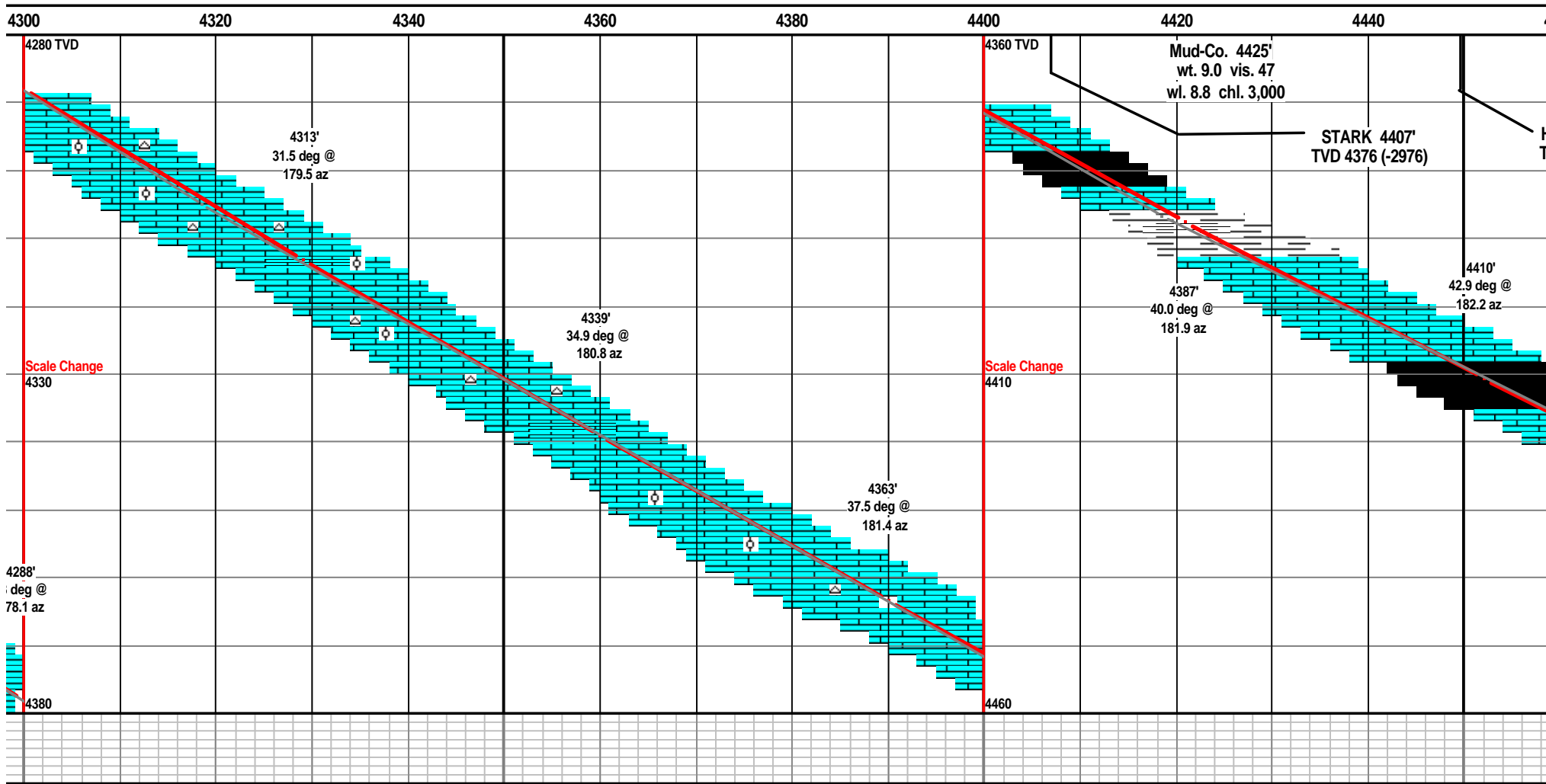
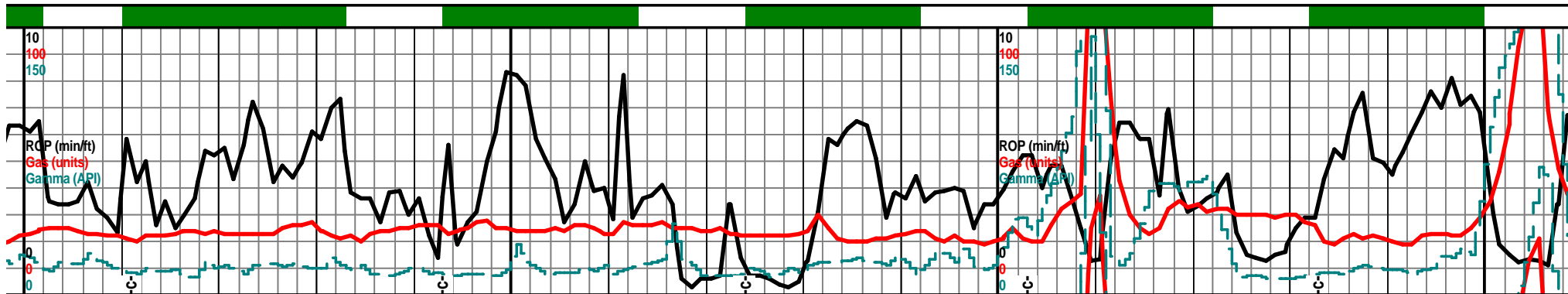
**Oil Shows**

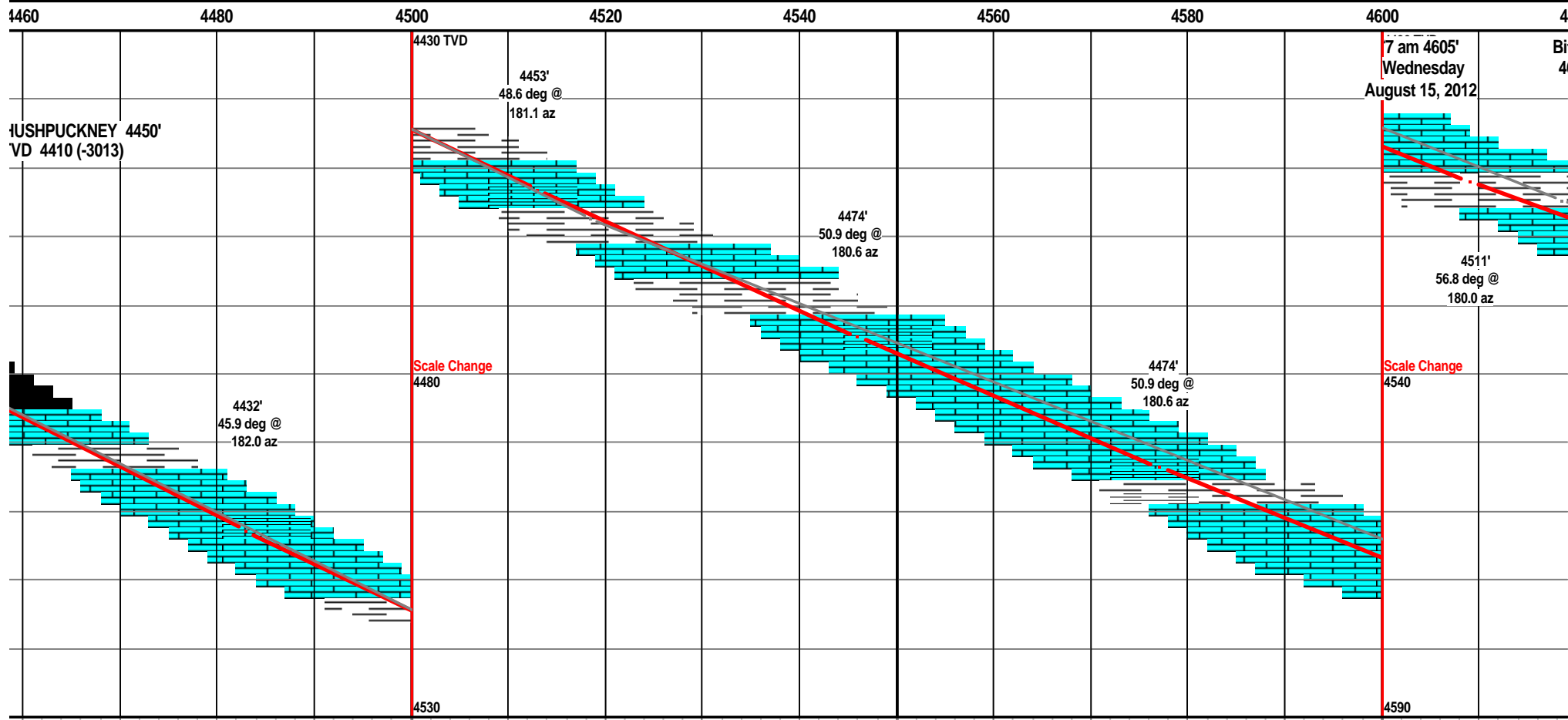
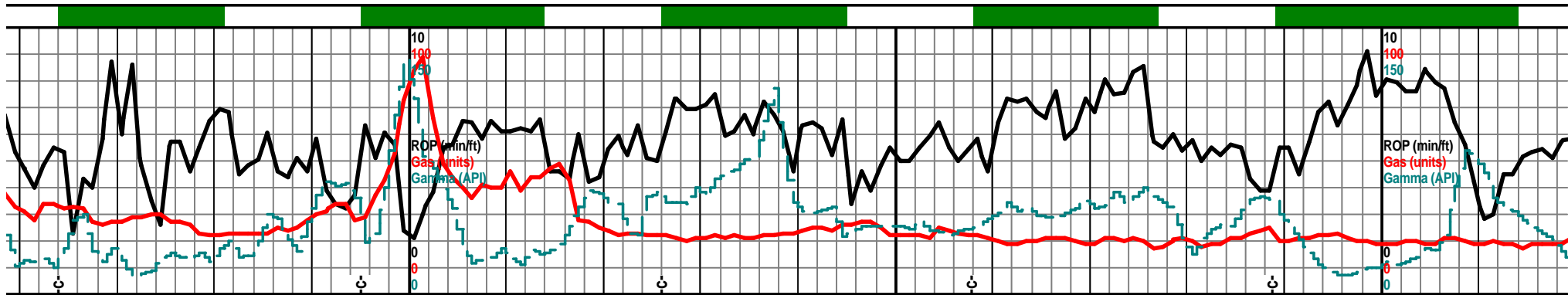
**Depth** 00 4020 4040 4060 4080 4100 4120

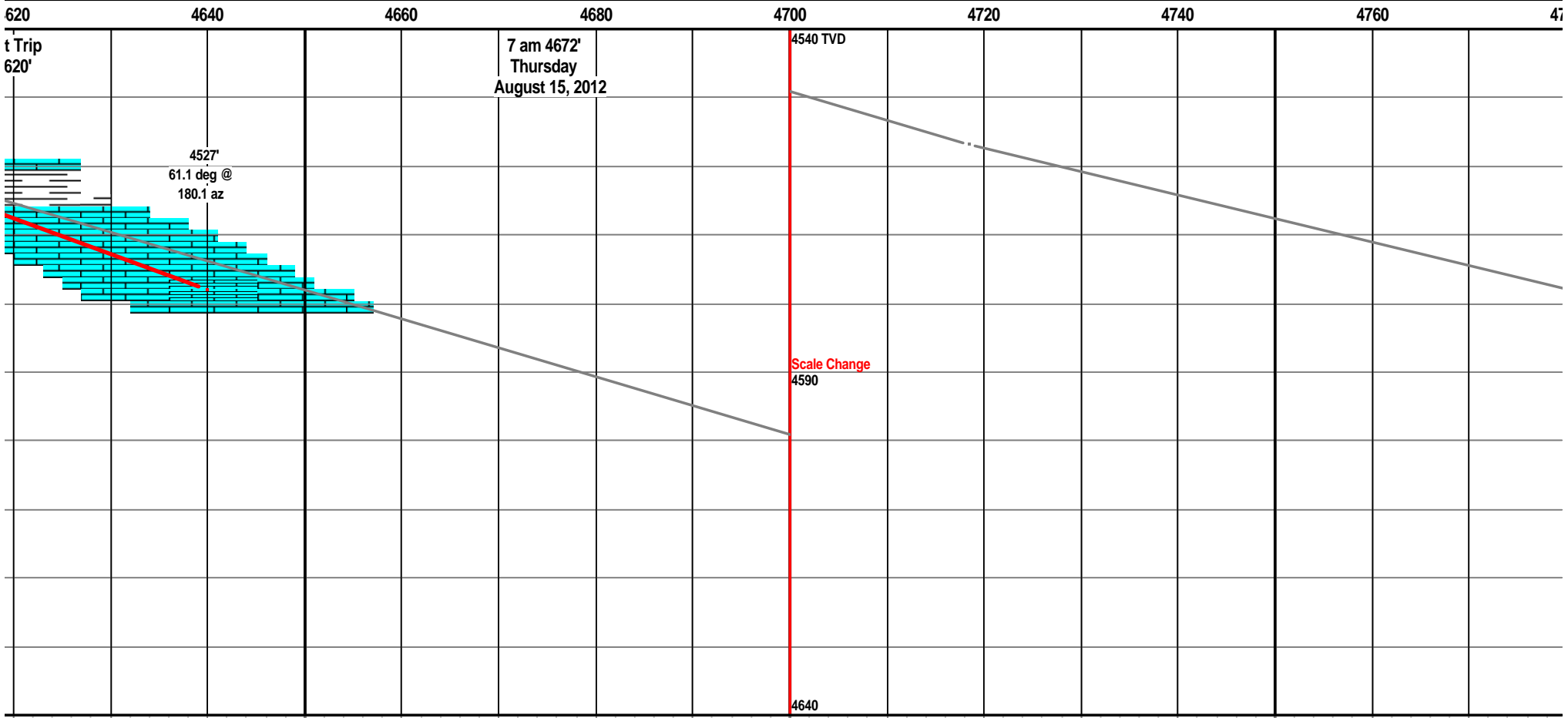
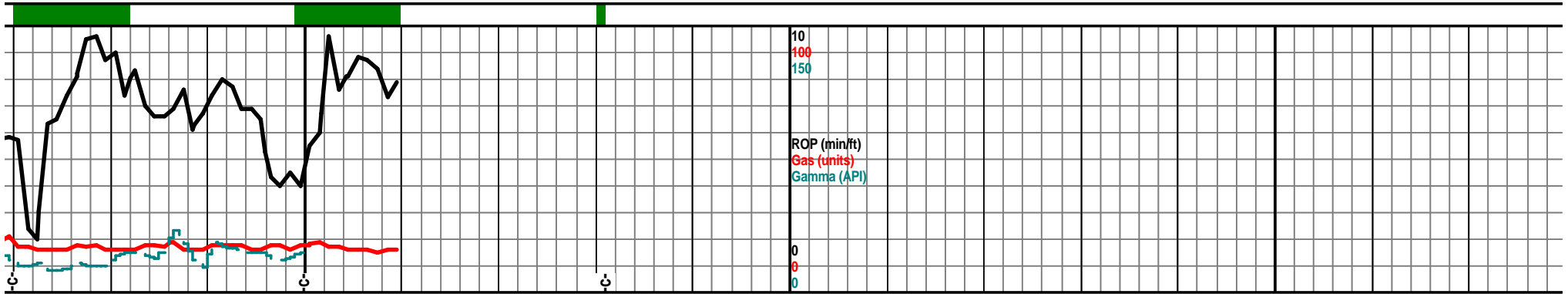


<b>Porosity</b>	24%
	18%
	12%
	6%
<b>Porosity Type</b>	











10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

780

4800

4820

4840

4860

4880

4900

4920

49

4540 TVD

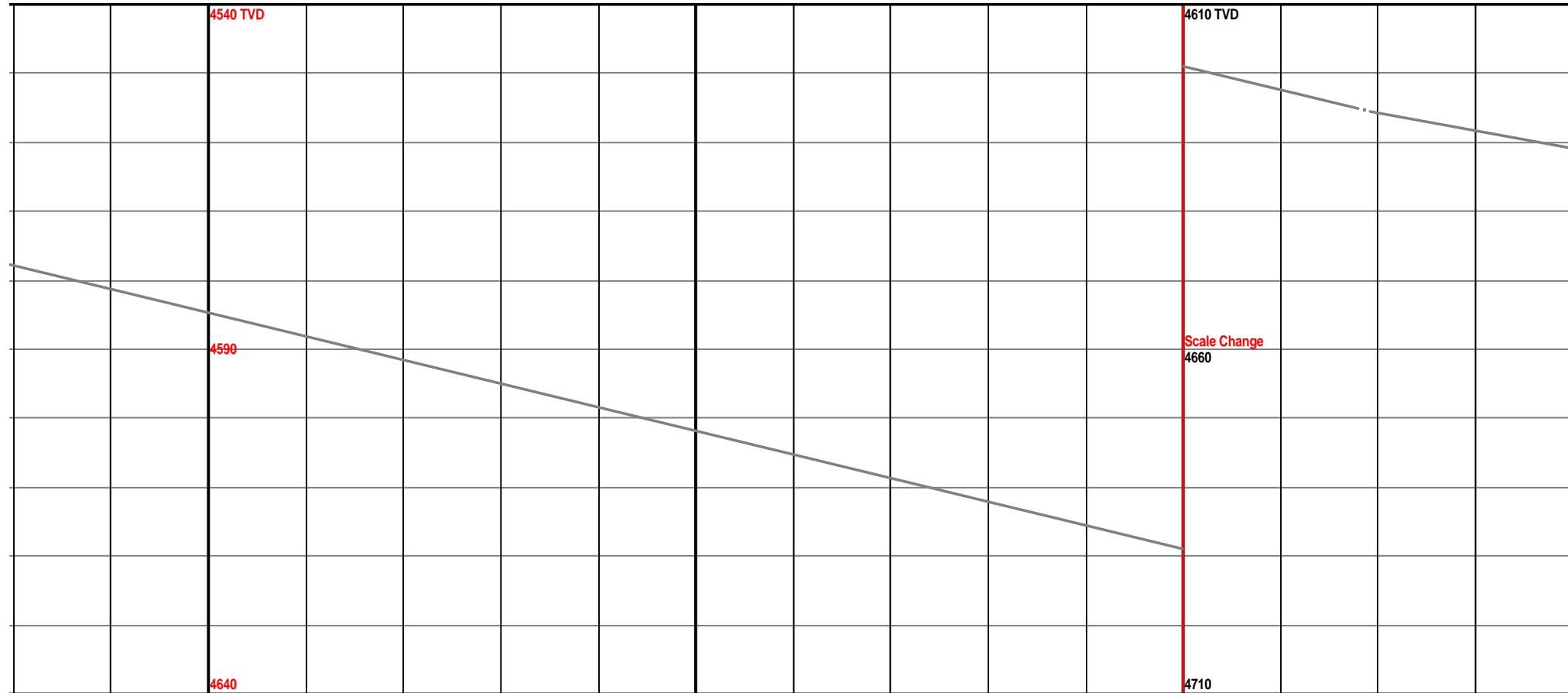
4610 TVD

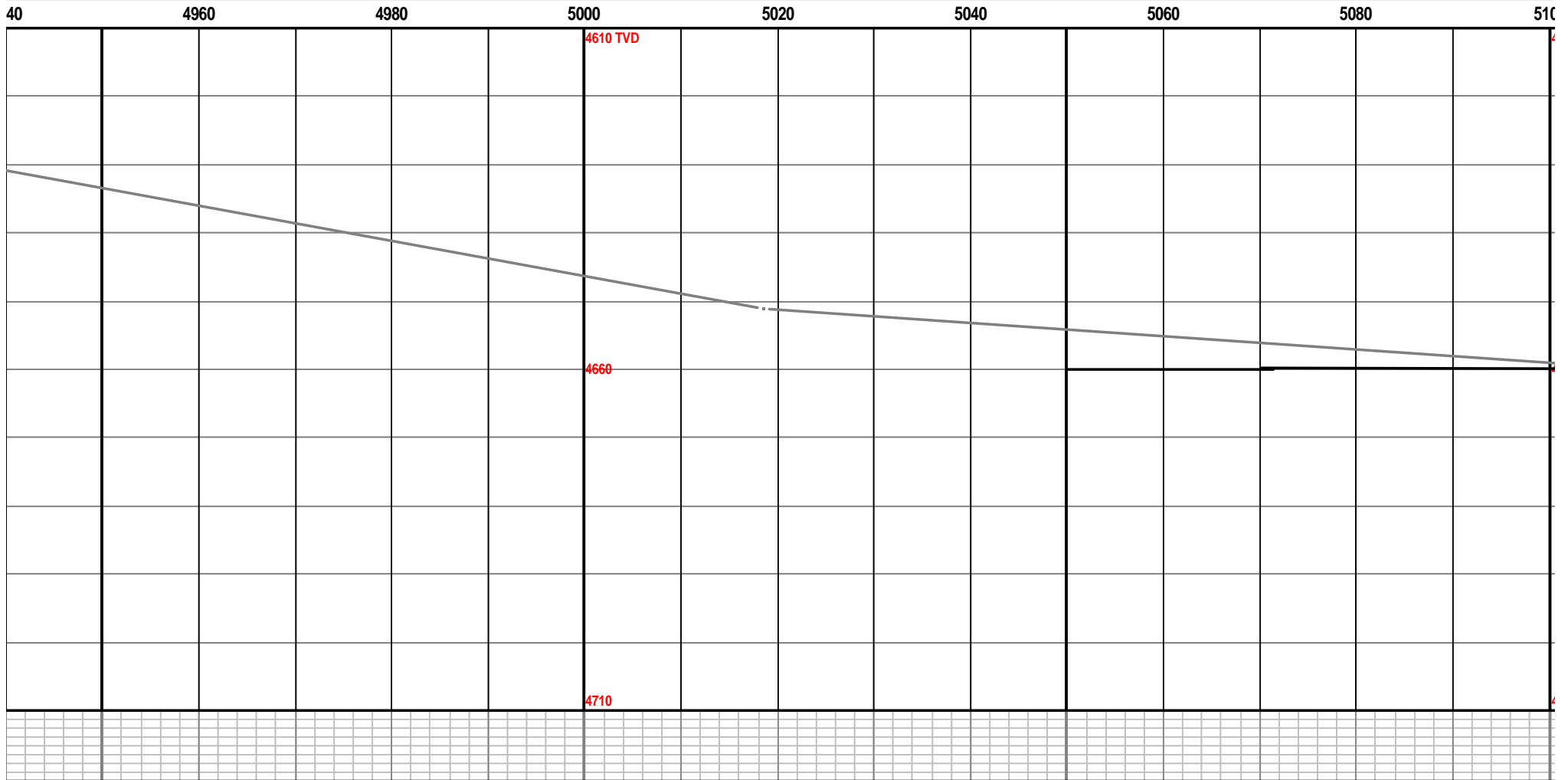
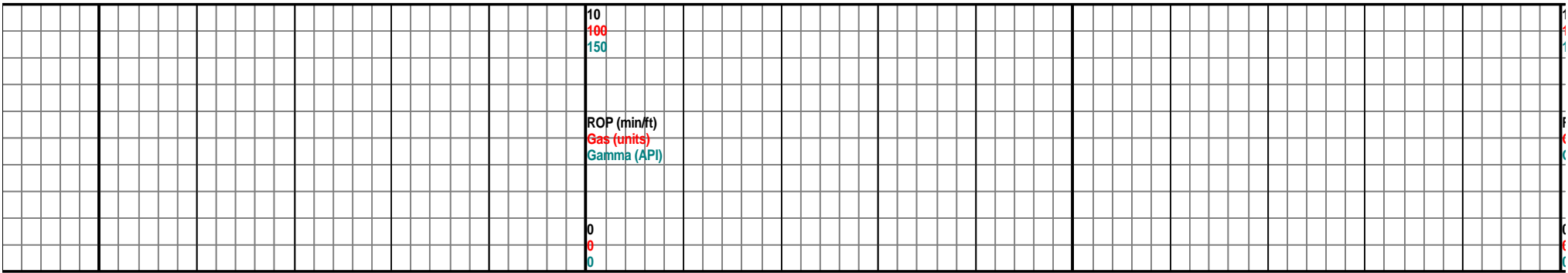
4590

Scale Change  
4660

4640

4710





10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

5120                      5140                      5160                      5180                      5200                      5220                      5240                      5260

4610 TVD

Projected Miss Intercept 4660' TVD

4610 TVD

4660

4660

4710

4710

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

0

5280

5300

5320

5340

5360

5380

5400

5420

4610 TVD

4610 TVD

4660

4660

4710

4710



10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

5600

5620

5640

5660

5680

5700

5720

5740

4610 TVD

4660

4710

4620 TVD

Scale Change  
4670

4720







10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

6080

6100

6120

6140

6160

6180

6200

6220

4620 TVD

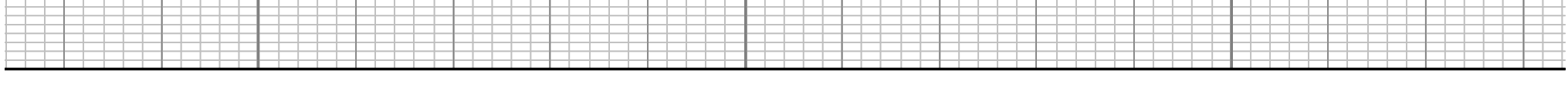
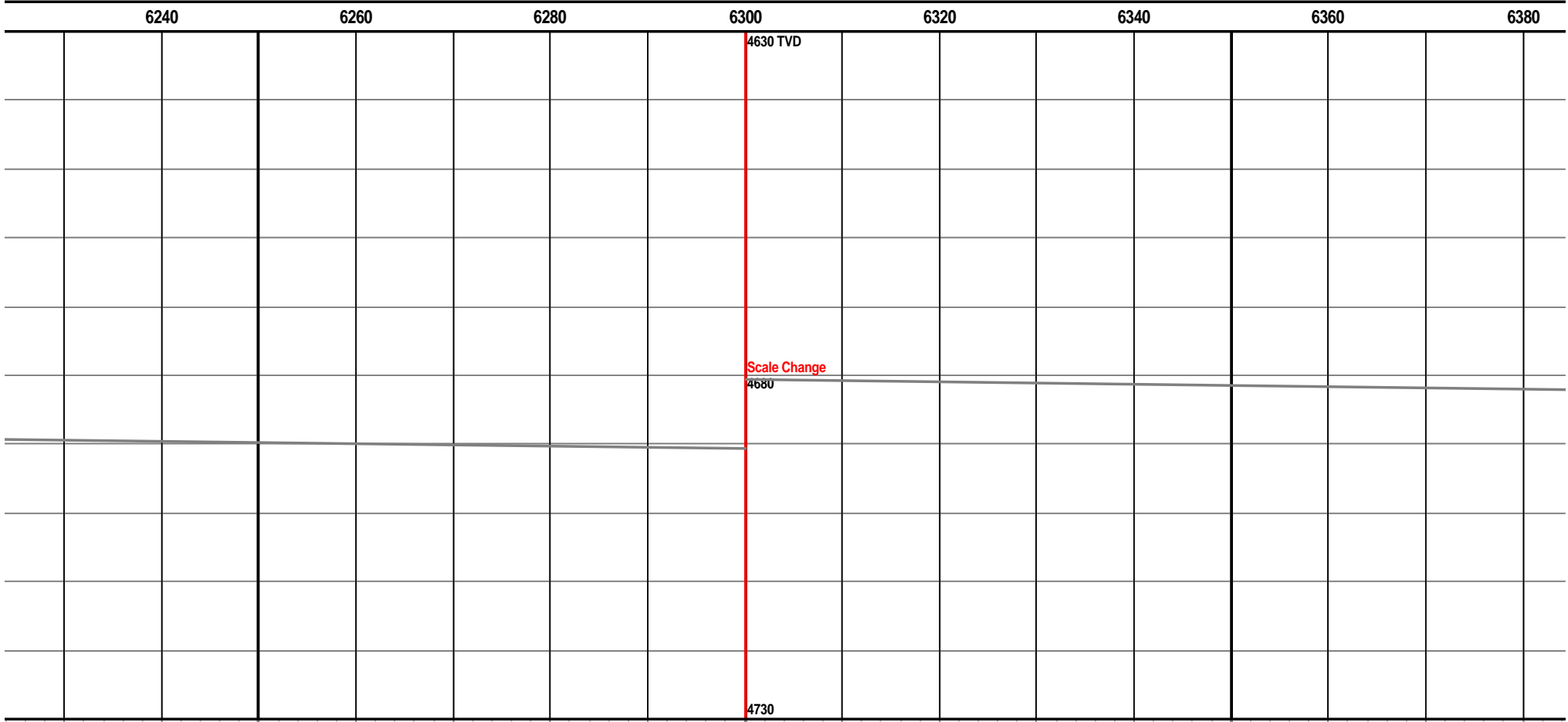
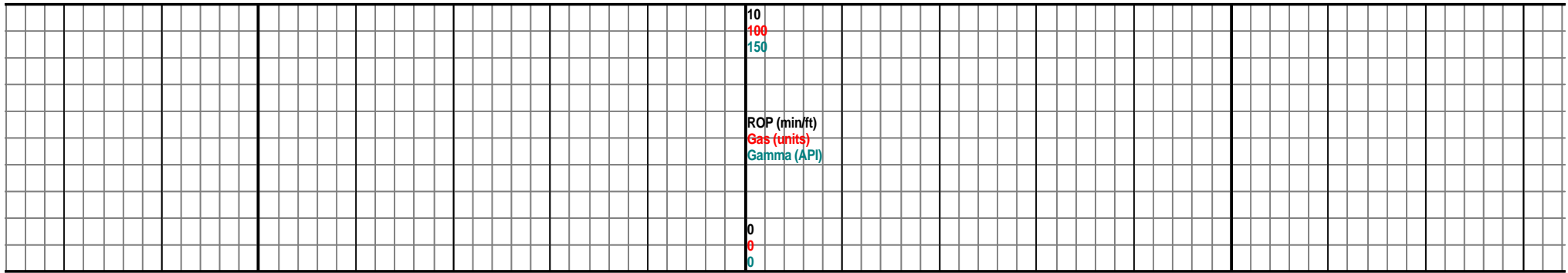
4620 TVD

4670

4670

4720

4720



10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

6400

6420

6440

6460

6480

6500

6520

6540

4630 TVD

4680

4730

4630 TVD

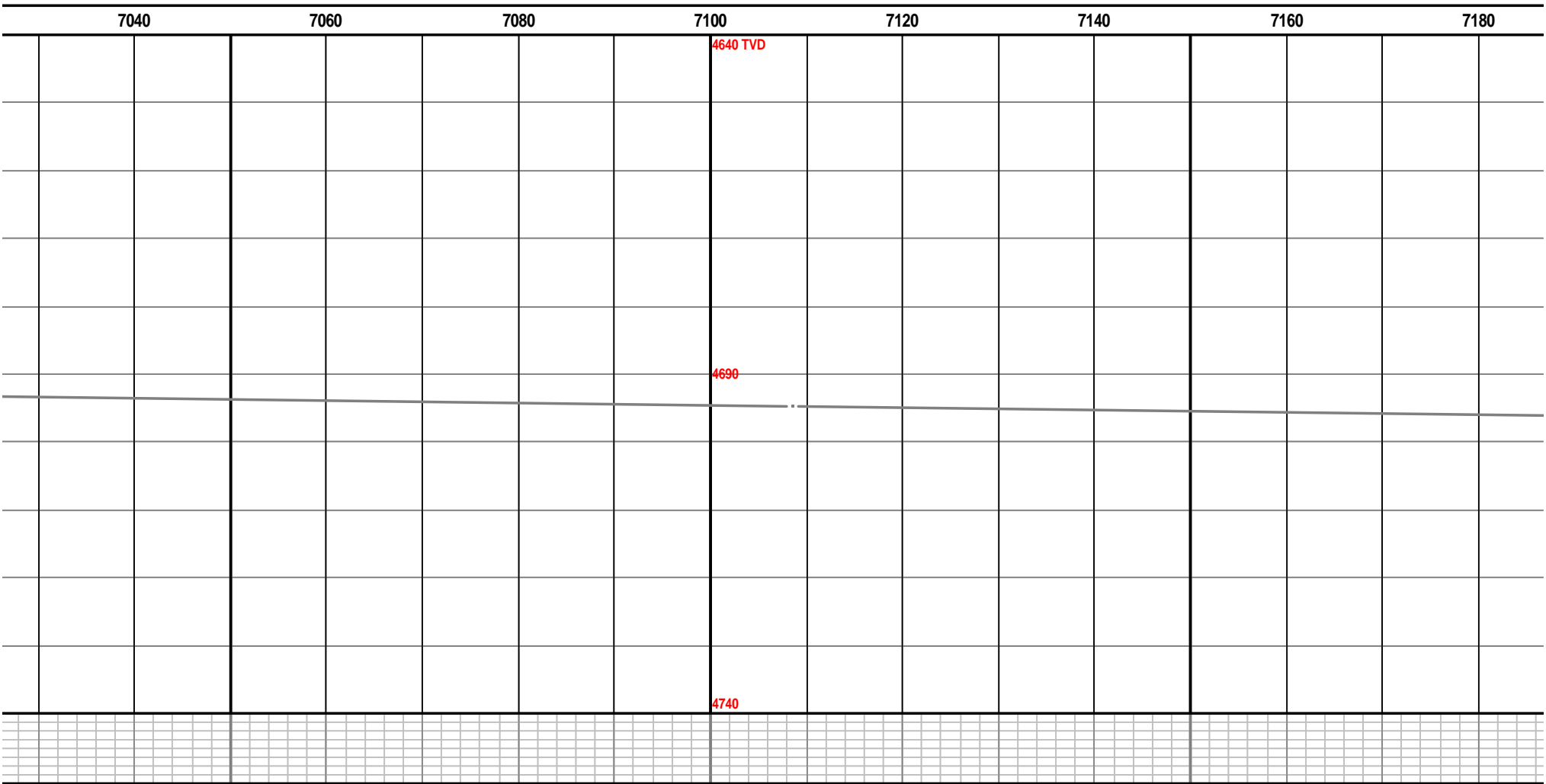
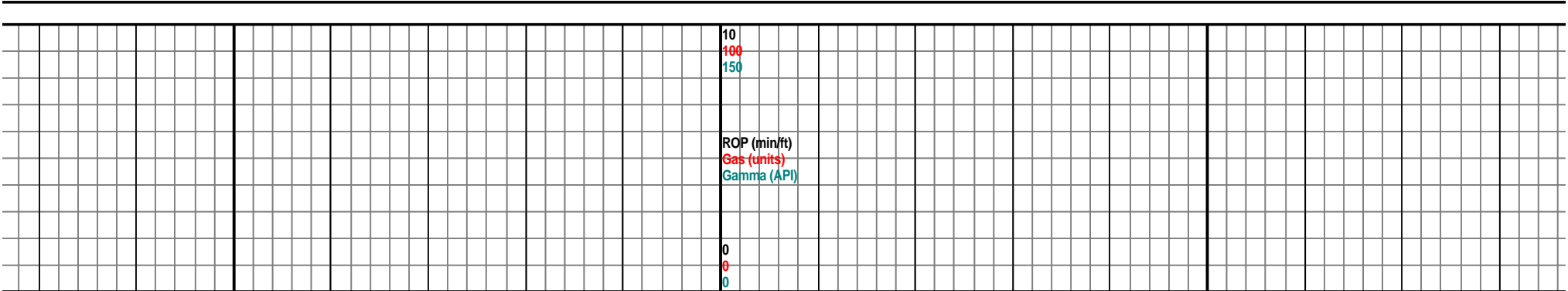
4680

4730









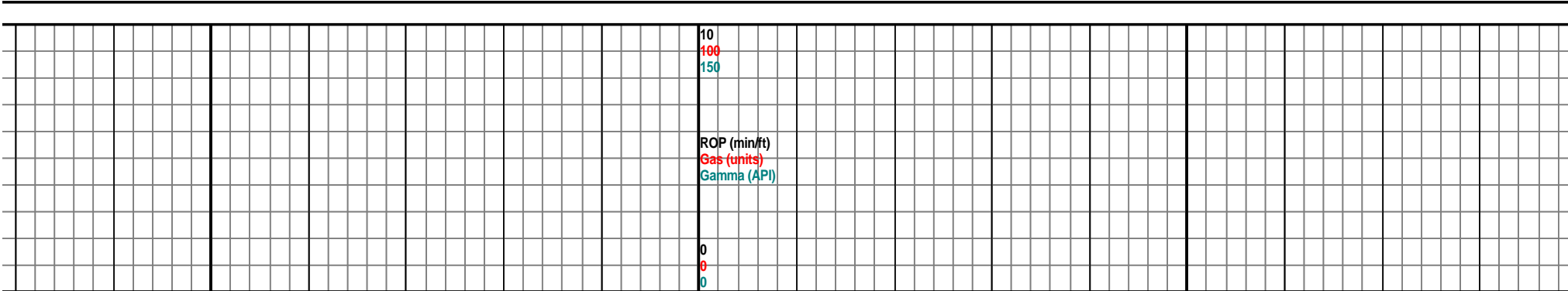




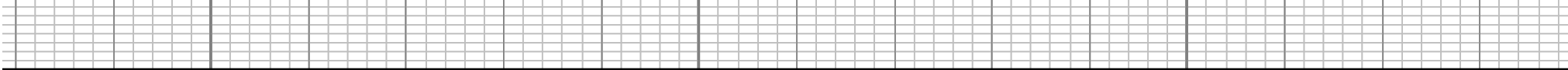
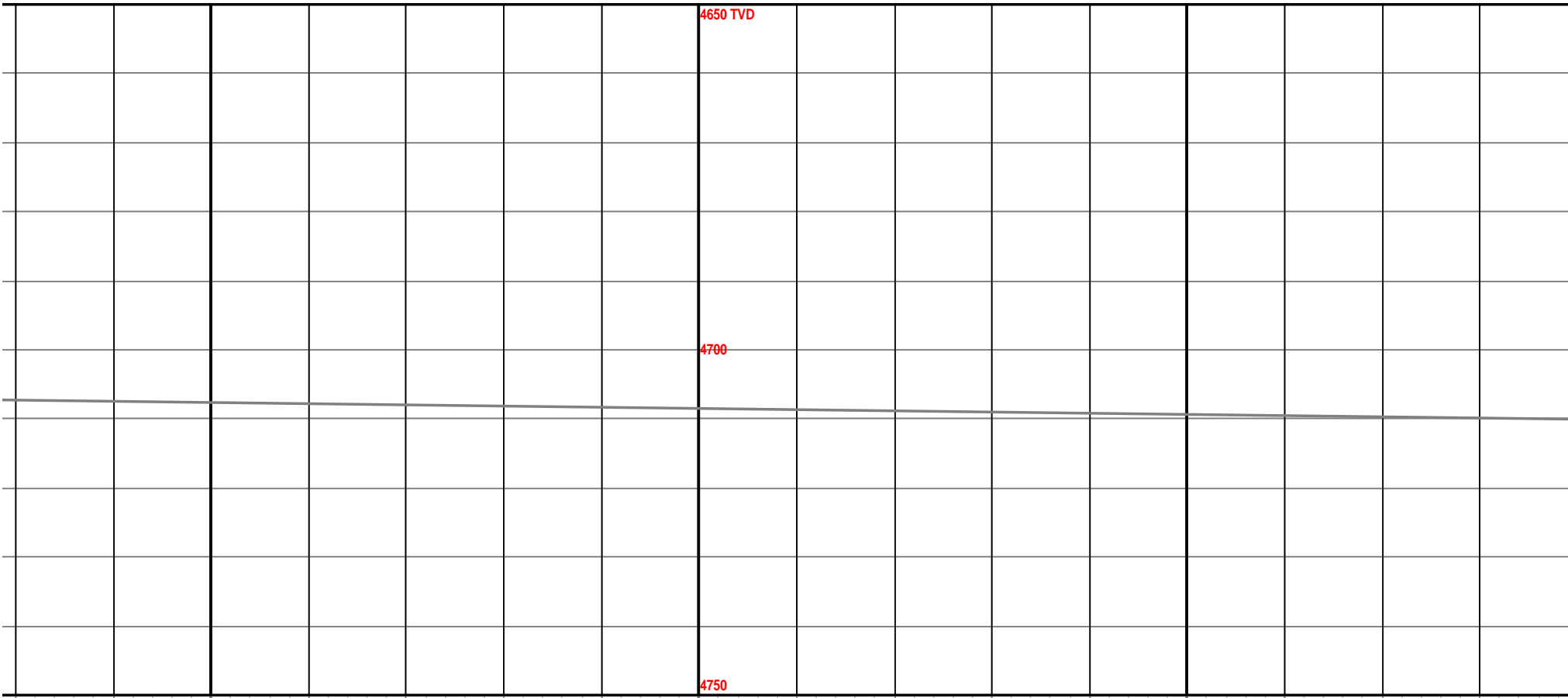


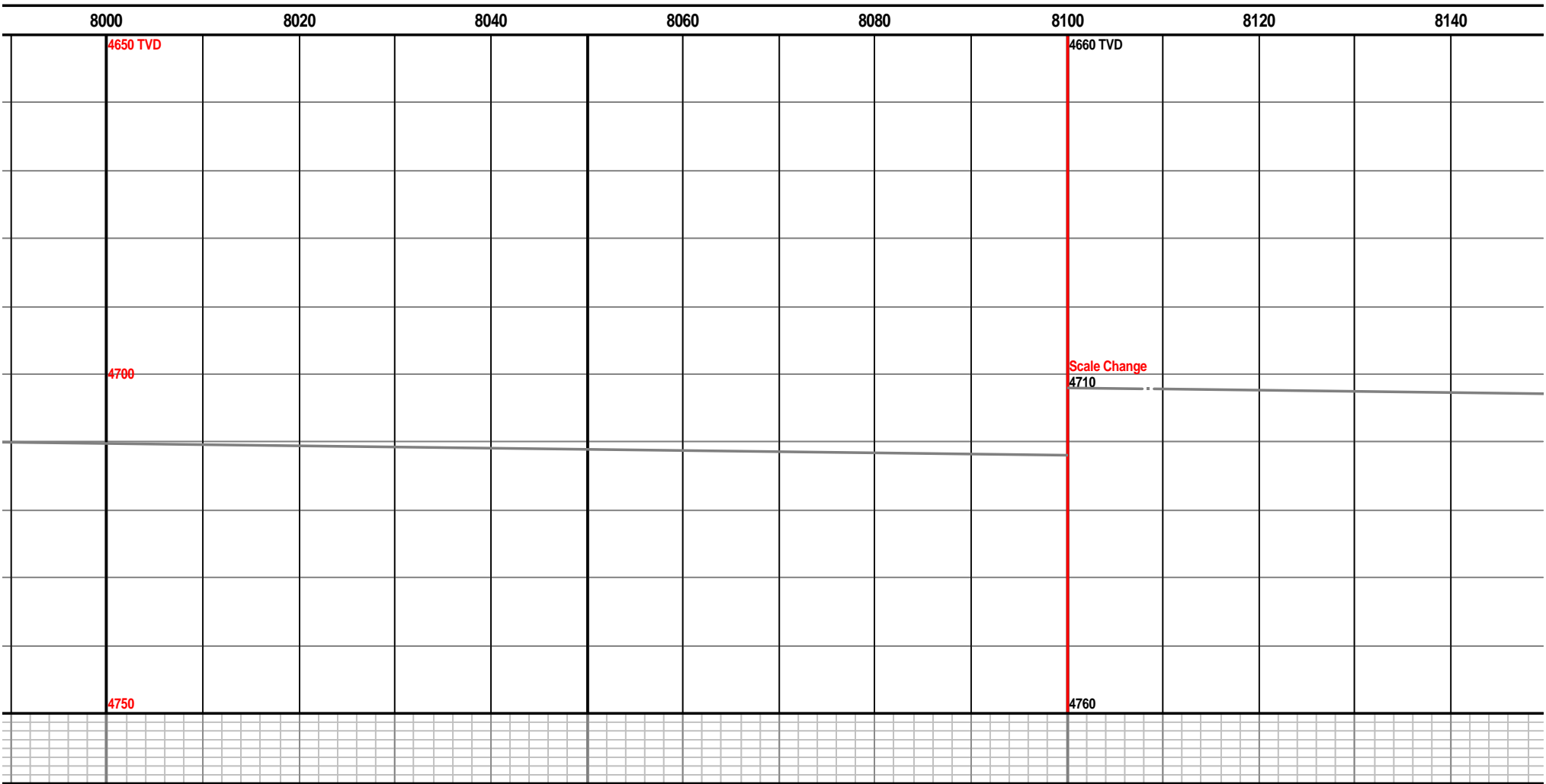
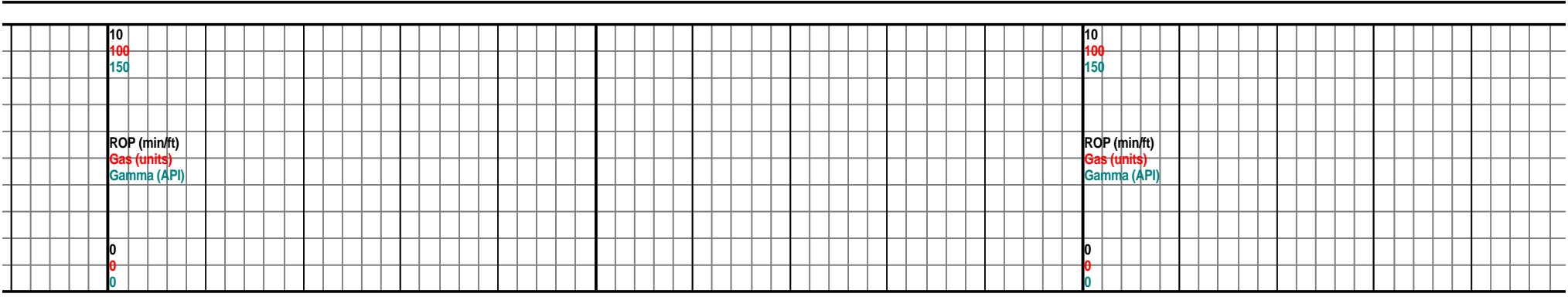






7840                      7860                      7880                      7900                      7920                      7940                      7960                      7980



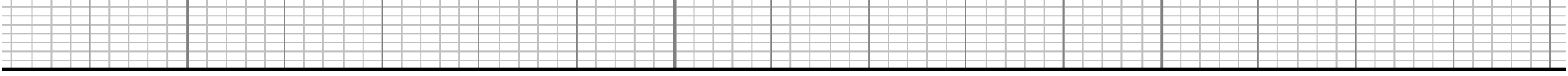
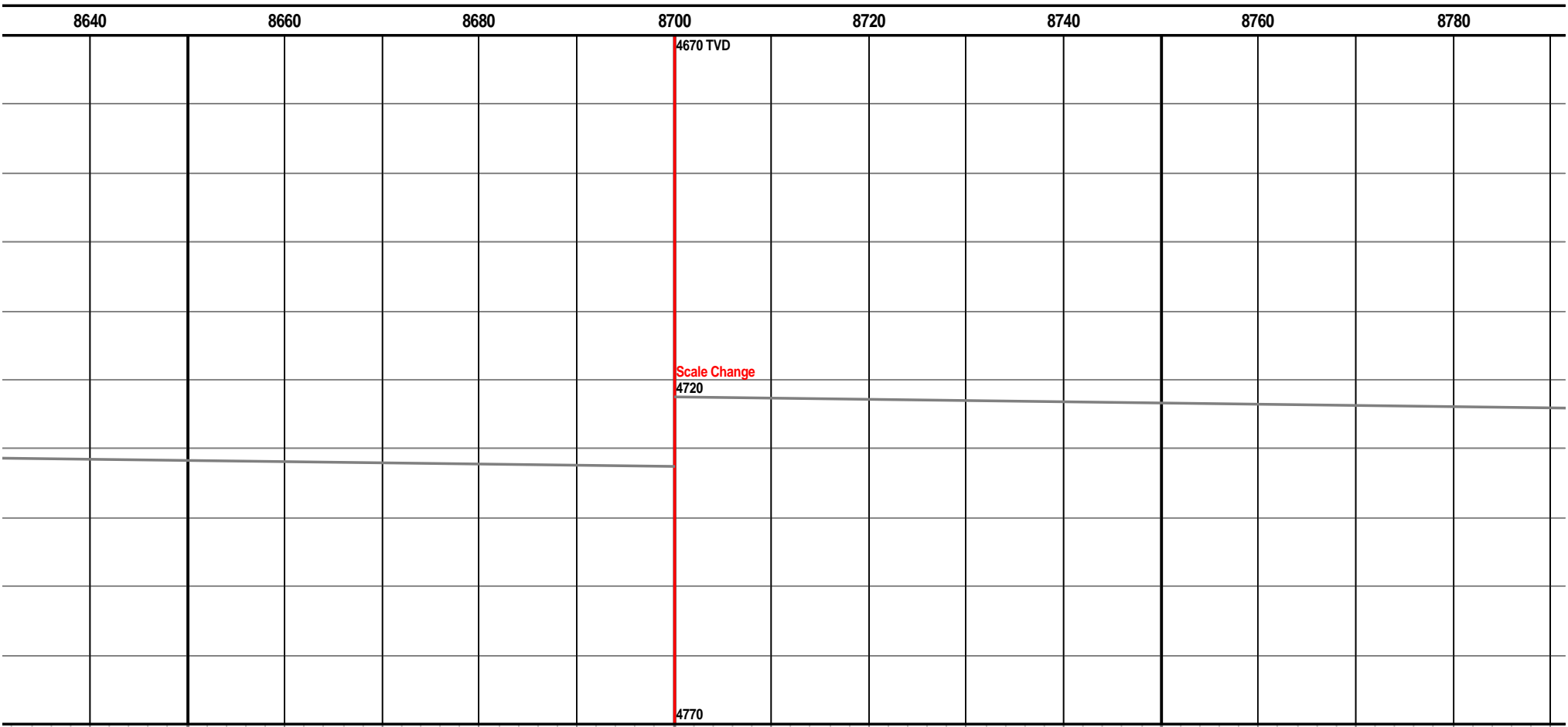
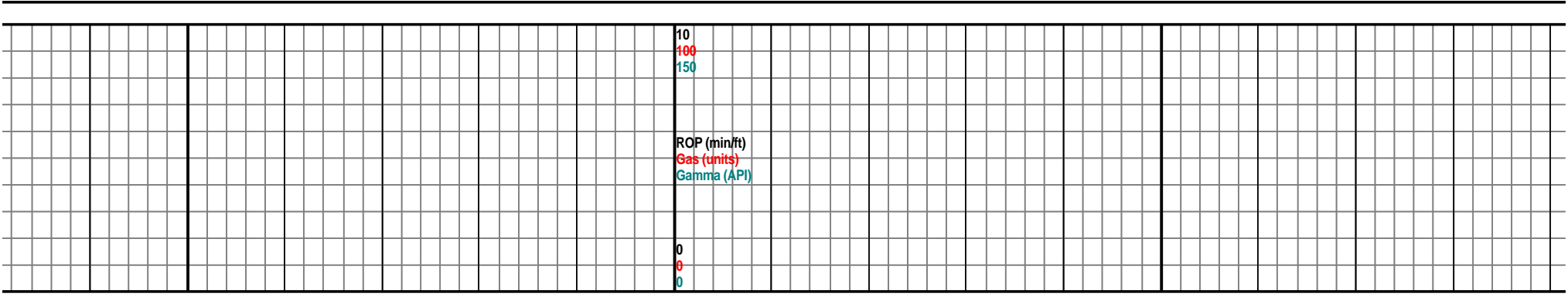


















10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

10  
100  
150

ROP (min/ft)  
Gas (units)  
Gamma (API)

0  
0  
0

9280

9300

9320

9340

9360

9380

9400

9420

4670 TVD

4720

4770

4670 TVD

4720

4770

