



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Howard 26N-28HZ (Horizontal Hole Section)
Location: Section 28, T1N, R67W, Weld County, CO.
License Number: API: 05-123-36934
Spud Date: September 29, 2013
Surface Coordinates: NENE Sec 28 T1N R67W; 250' FNL & 1094' FEL
Lat N 40.0143100 Long W -104.5324112
Bottom Hole Coordinates: NENE Sec 33 T1N R67W; 4548' FNL, 976' FEL

Region: Wattenberg, DJ Basin
Drilling Completed: October 5, 2013

Ground Elevation (ft): 4983'
Logged Interval (ft): 6940'
Formation: Pierre Sands/Shales, Niobrara, Niobrara B Target
Type of Drilling Fluid: Water & Poly to 7120', LSND 7120'-12,071'

To: 12,071'

K.B. Elevation (ft): 4999'
Total Depth (ft): 12,071' DTMD

Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Kerr-McGee Oil & Gas Onshore LP
Address: Granite Tower - 1099 18th St, Ste 1800
Denver, CO 80202
CO Geologist, John Morgan

GEOLOGIST

Name: Andrew Krueger & Ian Harris
Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)
Address: 575 Union Blvd.
Suite 208,
Lakewood CO. 80228

E-logs

MWD GR 1024' - 12,017'


Casing

9 5/8" Surface Casing set @ 1024' MD
7" Intermediate Casing set @ 7999'
4 1/2" Production Liner hung 10/6/2013, landed @ 12,056'


Comments

1) Drilling Contractor: Xtreme Drilling, Rig #20
Toolpusher: Tyler Humphrey & Brad Henderson
2) Company Man: Charlie Daigle & Tom Kibbe
3) Mud Comapny : AES Drilling Fluids
4) Directional Drilling: Baker Hughes
Pulse Tool
Drillers: Barry Combs, Scott Stanford
MWD: Robert Dix, Matt Yule
5) Gas Equipment: Mudlogging Systems Inc.
by Terra Services
Redbox # ML-462 & Ratcliff Agitator
6) Well Site Geology: Goolsby Brothers & Associates
Geologists: Andrew Krueger & Ian Harris


ROCK TYPES



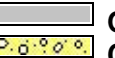
Anhy Bent




Brec Cht




Clyst Coal




Oil sat. Congl



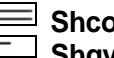
Dol Gyp




Lmst Mrlst




Salt Shale



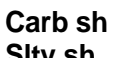
Shcol Shgy



Ss Sltst




Ss Chalk




Carb sh Sltly sh


ACCESSORIES




Anhy




Arggrn




Arg




Bent




Bit Brecfrag




Calc Carb




Chtdk




Chtltdk




Dol




Feldspar Ferrpel




Ferr




Glau Gyp




Hvymin Kaol




Marl




Minxl Nodule




Phos Pyr




Salt




Sandy Silt




Sil




Sulphur Tuff




Algae




Amph




Belm




Bioclst




Brach Bryozoa




Cephal Coral




Crin




Echin Fish




Foram




Fossil




Gastro




Oolite Ostra




Pelec




Pellet




Pisolite




Plant Strom




STRINGER Chlkstg




Anhy Arg




Bent




Coal




Dol




Gyp Ls




Mrst




Sltstrg




Ssstrg




Boundst




Chalky




Cryxln




Earthy




Finexln Grainst




Lithogr




Microxln



Mudst




Packst




Wackest


OTHER SYMBOLS




OIL SHOWS Even




Spotted Ques




Dead Vspotty




near even




POROSITY TYPE Earthy




Fenest Fracture




Inter Moldic




Organic Pinpoint




Vuggy




ROUNDING Rounded




Subrnd Subrang



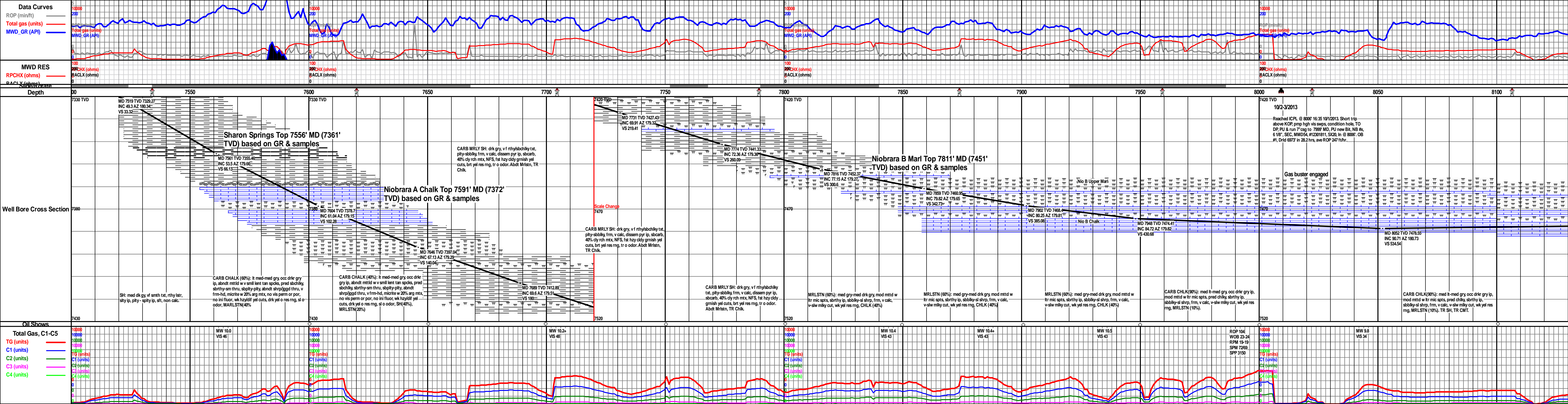
Angular

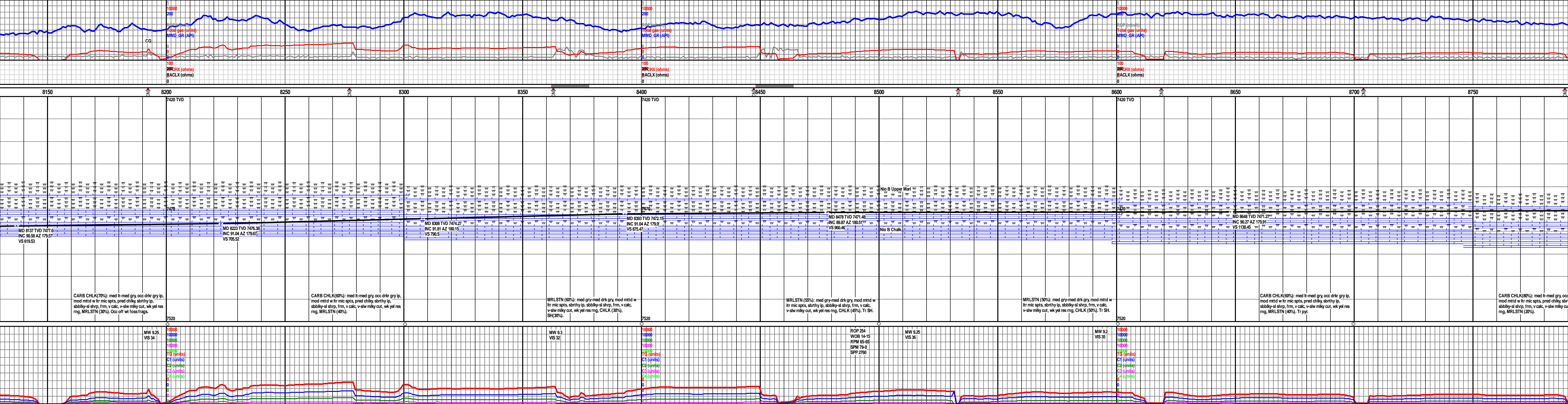


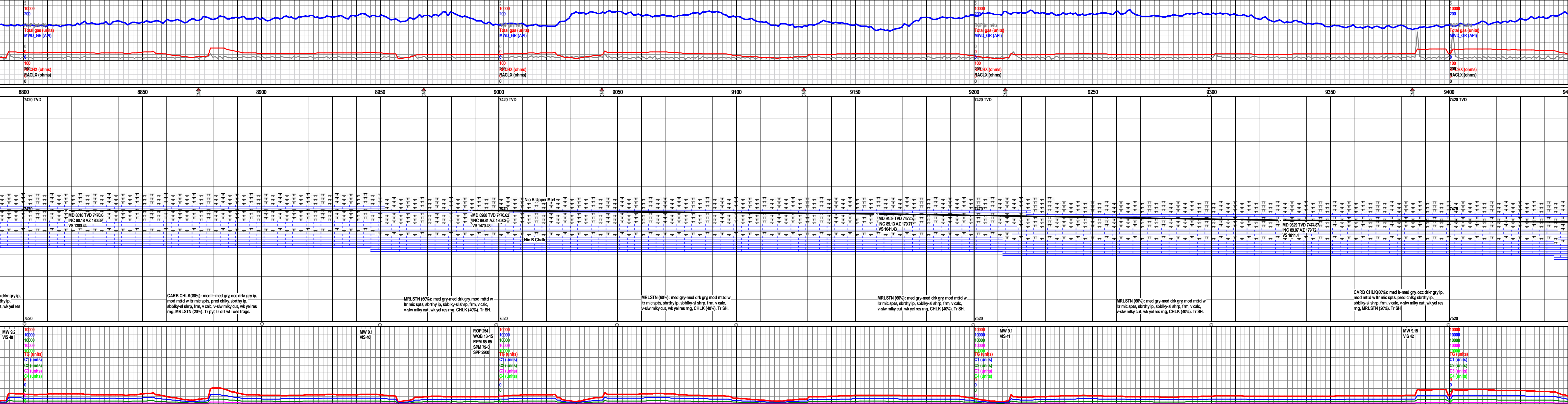
SORTING Well

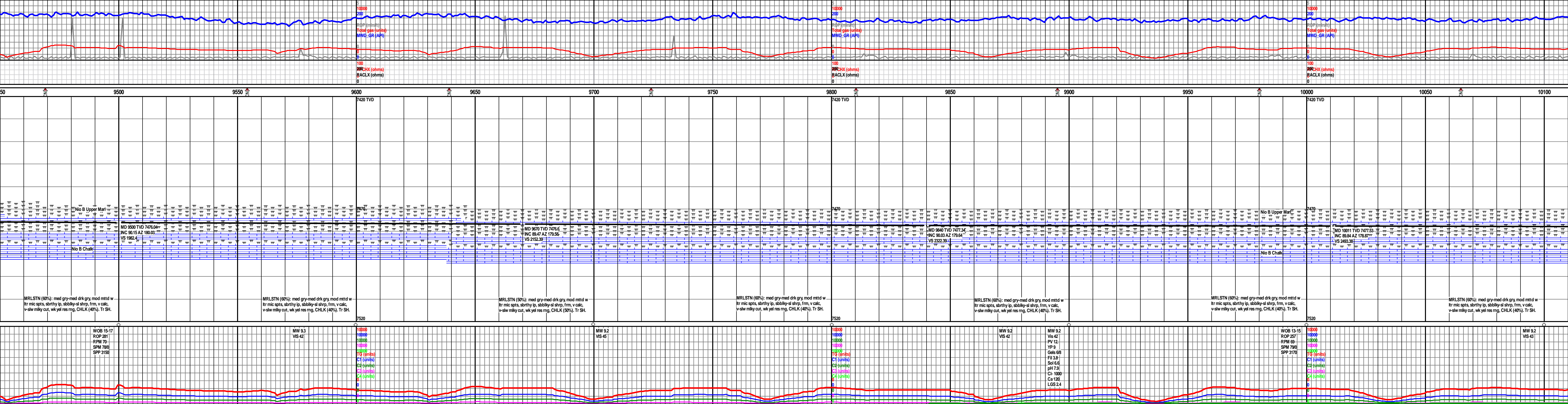


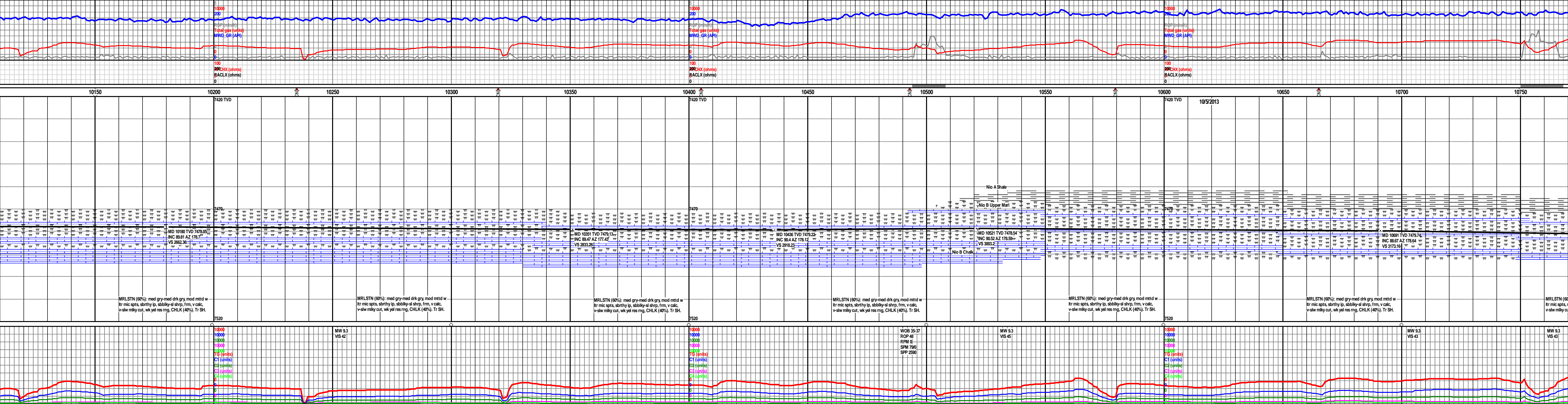
Moderate Poor

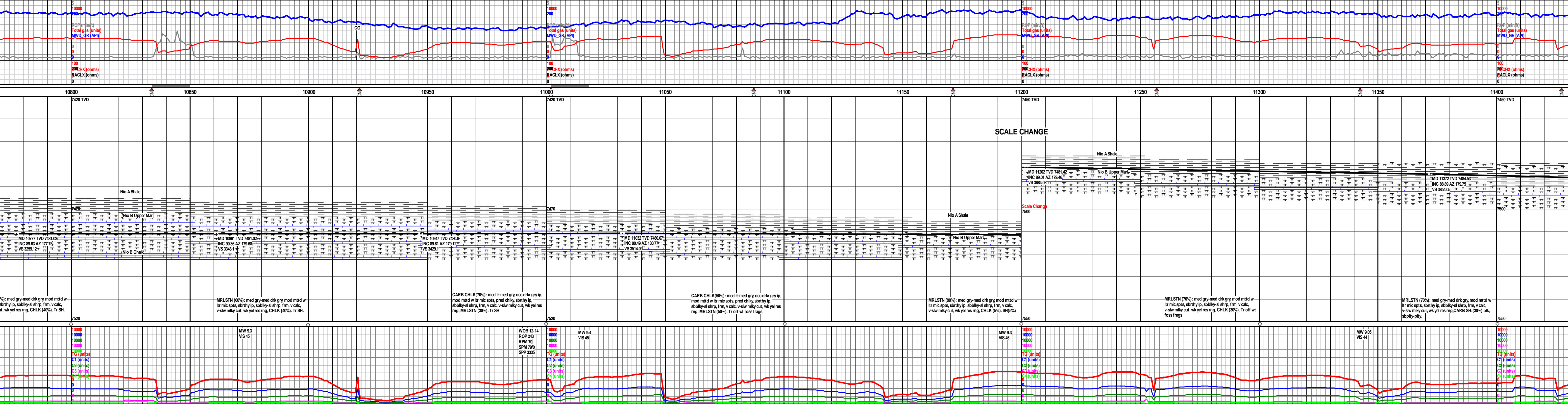


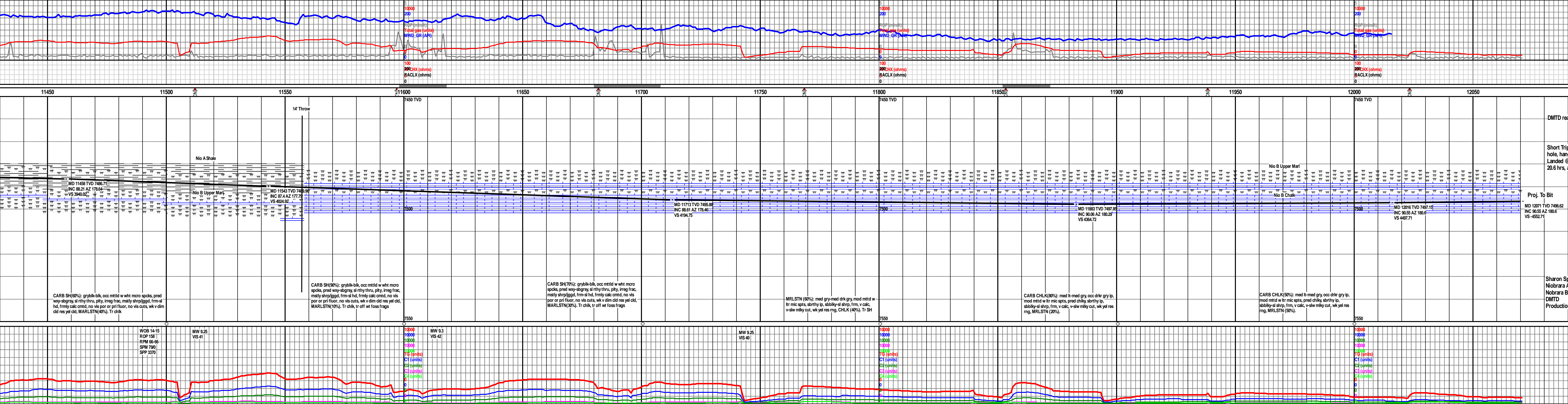












A large rectangular grid consisting of 10 columns and 10 rows of squares, intended for drawing a picture.