



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

Well Name: Aggregate State 13C-16HZ (Horizontal Hole Section)
Location: Section 9, T2N, R66W, Weld County, CO..
License Number: API: 05-123-38786
Spud Date: March 21, 2014
Surface Coordinates: NESW Sec 9 T2N R66W; 2389' FSL 1669' FWL
Lat N 40.151922 Long W -104.785722
Bottom Hole Coordinates: SWSE Sec 16 T2N R66W; 484' FSL 914' FWL

Ground Elevation (ft): 4904'
Logged Interval (ft): 6873'
Formation: Pierre Shales/Sands, Niobrara, Codell Target
Type of Drilling Fluid: Water & Poly to 6800', LSND 6800'-14,569'

To: 14,569'

K.B. Elevation (ft): 4920'
Total Depth (ft): 14,569' DMTD

Region: Wattenberg, DJ Basin
Drilling Completed: March 31, 2014

OPERATOR

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

GEOLOGIST

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

E-logs

MWD GR 6800' - 14,518'


Casing

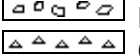
9 5/8" Surface Casing set @ 1041' MD
7" Intermediate Casing set @ 7825' MD
4 1/2" Production Liner hung 04/1/2014, landed @ 14,566'


Comments

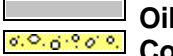
1) Drilling Contractor: Xtreme Drilling, Rig #20
Toolpusher: Sijifredo Chaparro
2) Company Man: Marvin Hackworth and Charlie Daigle
3) Mud Company : AES Drilling Fluids
4) Directional Drilling: Baker Hughes
Pulse Tool
Drillers: Barry Combs & Travis Wilcox
MWD: Adam Schlenz & David Campbell
5) Gas Equipment: Mudlogging Systems Inc.
by Terra Services
Redbox # ML-334 & Ratcliff Agitator
6) Wellsite Geology: Goolsby Brothers & Associates
Geologists: Ian Harris & Andrew Krueger


ROCK TYPES


Anhy Bent


Brec Cht

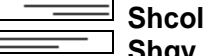
Clyst Coal


Oil sat. Congl


Dol Gyp


Lmst Mrlst

Salt Shale

Shcol Shgy


Ss Sltst


Ss Chalk


Carb sh Sltly sh


ACCESSORIES


MINERAL


Anhy


Arggrn


Arg


Bent


Bit


Brecfrag


Calc


Carb


Chtdk


Chtlt


Dol


Feldspar


Ferrpel


Ferr


Glau


Gyp


Hvymin


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


Chlkstg


Anhy


Arg


Bent


Coal


Dol

Gyp


Ls


Mrst


Sltstrg


Ssstrg


TEXTURE


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


Subang

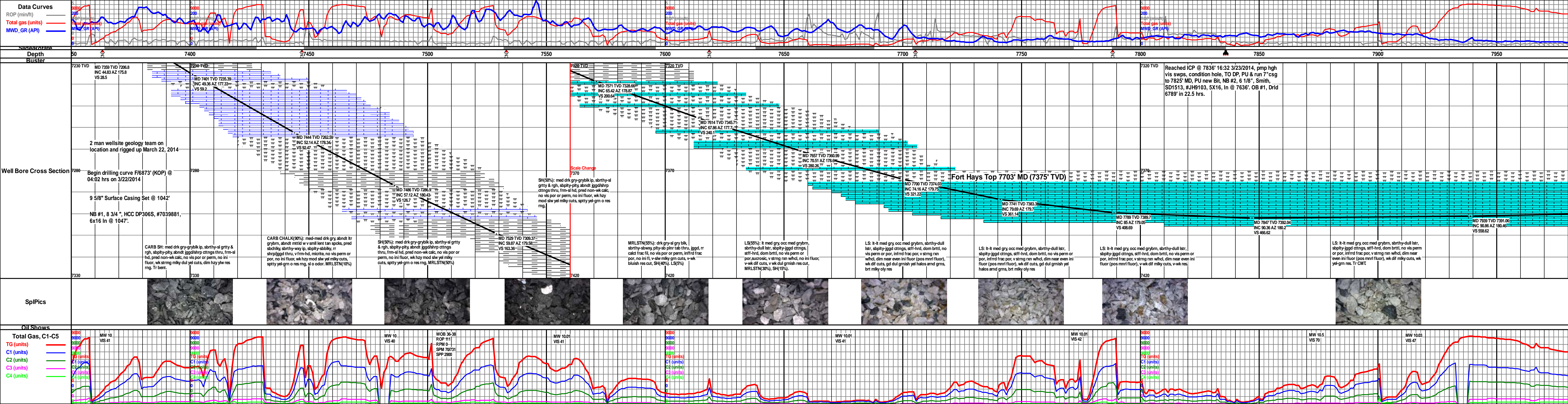
Angular

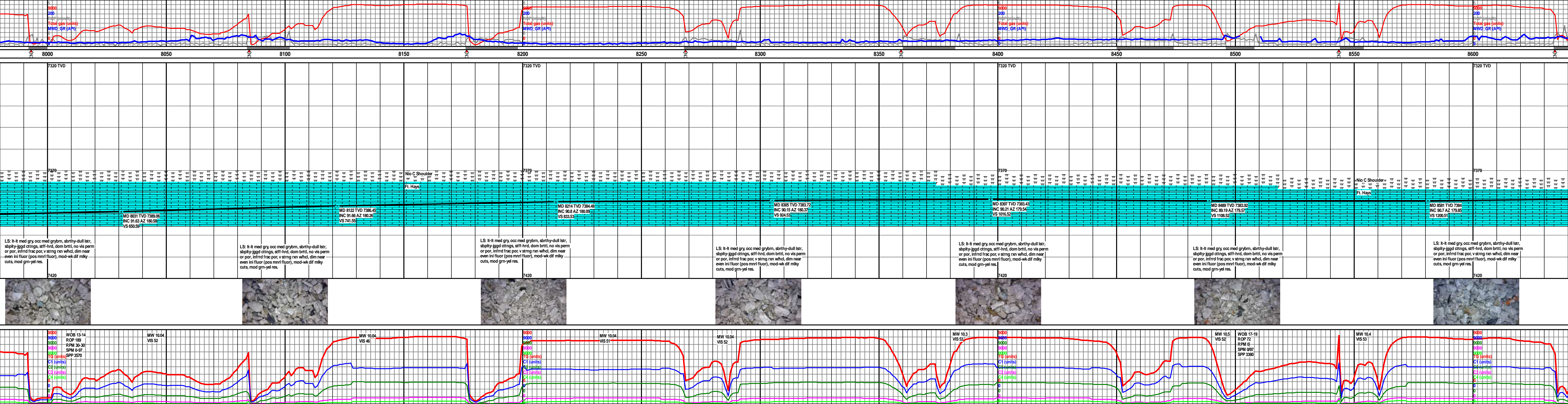
SORTING

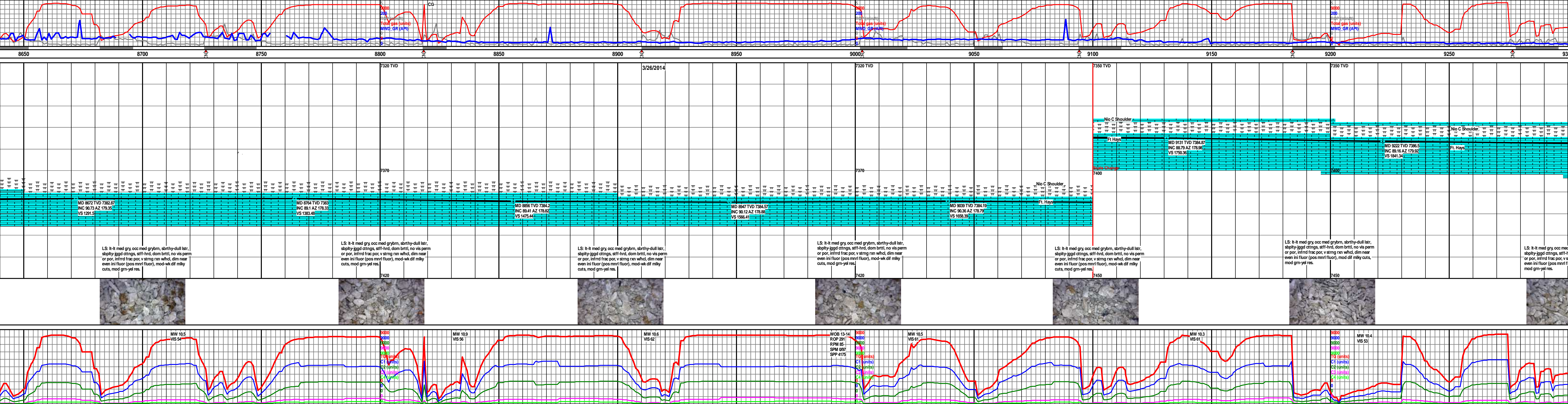
Well

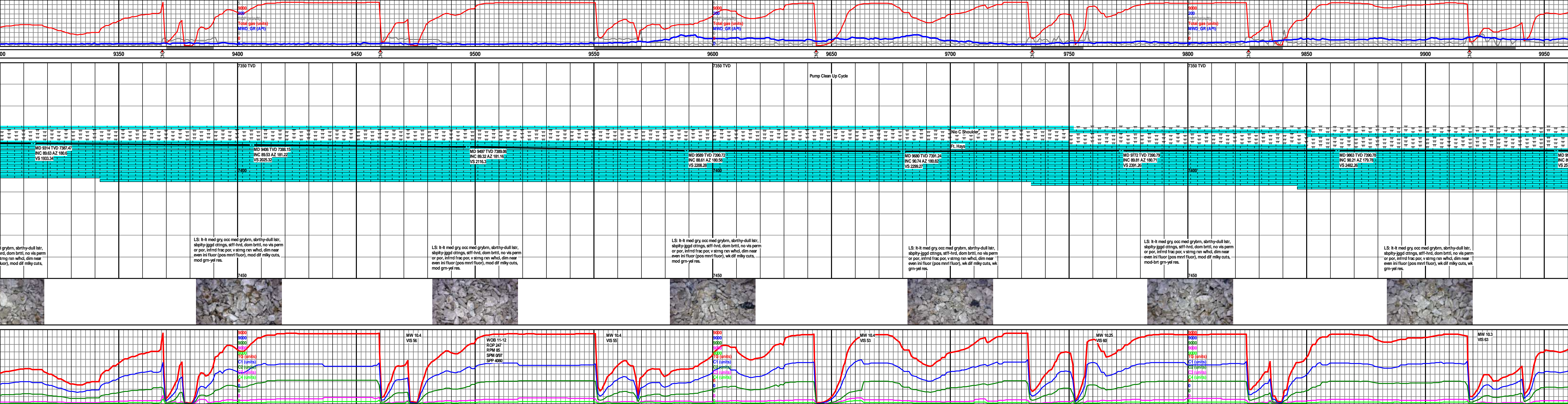
Moderate

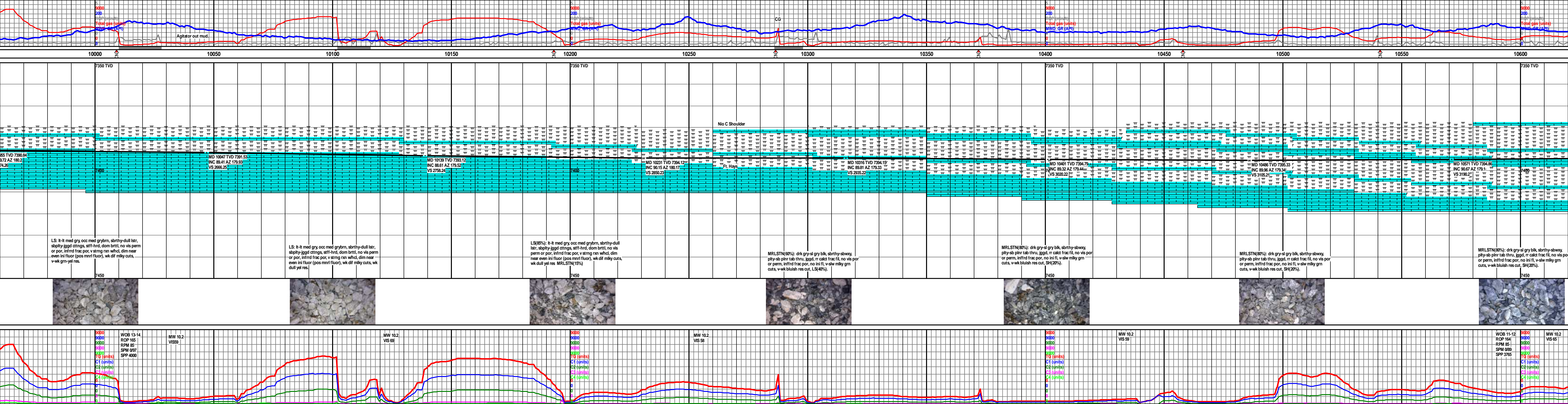
Poor

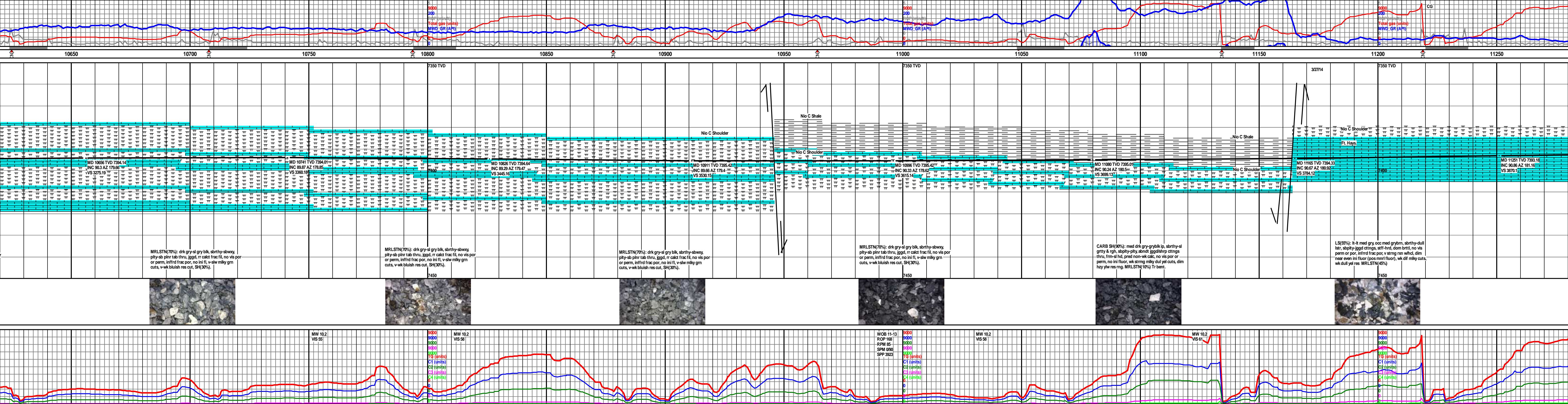


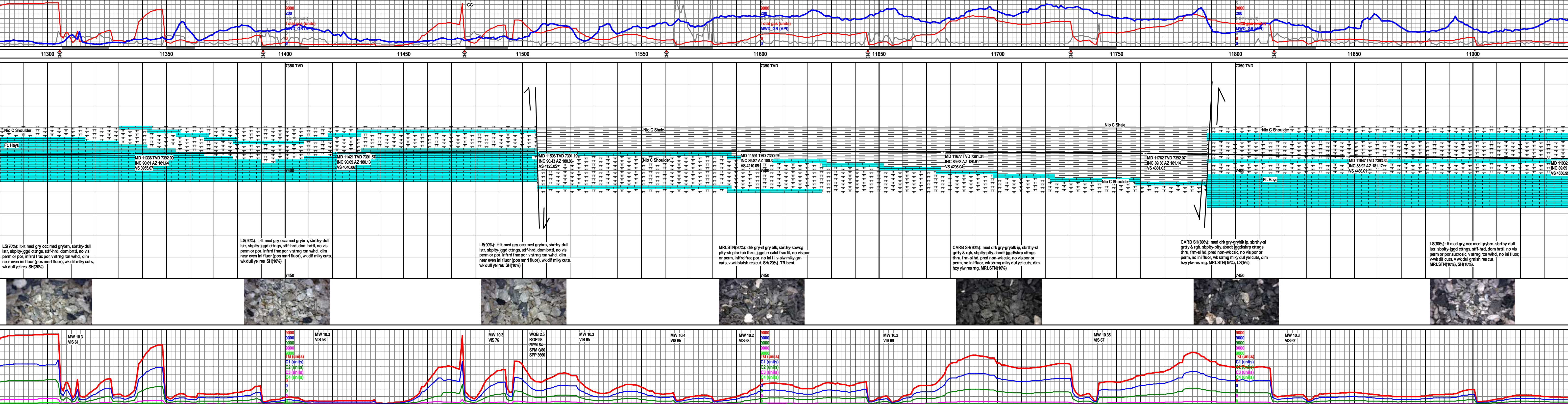


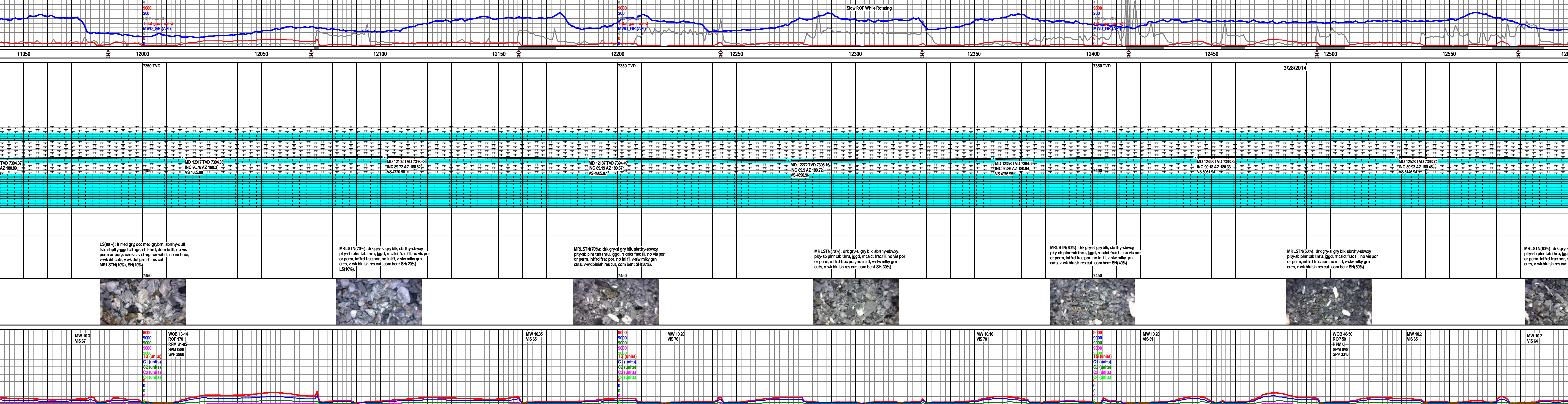


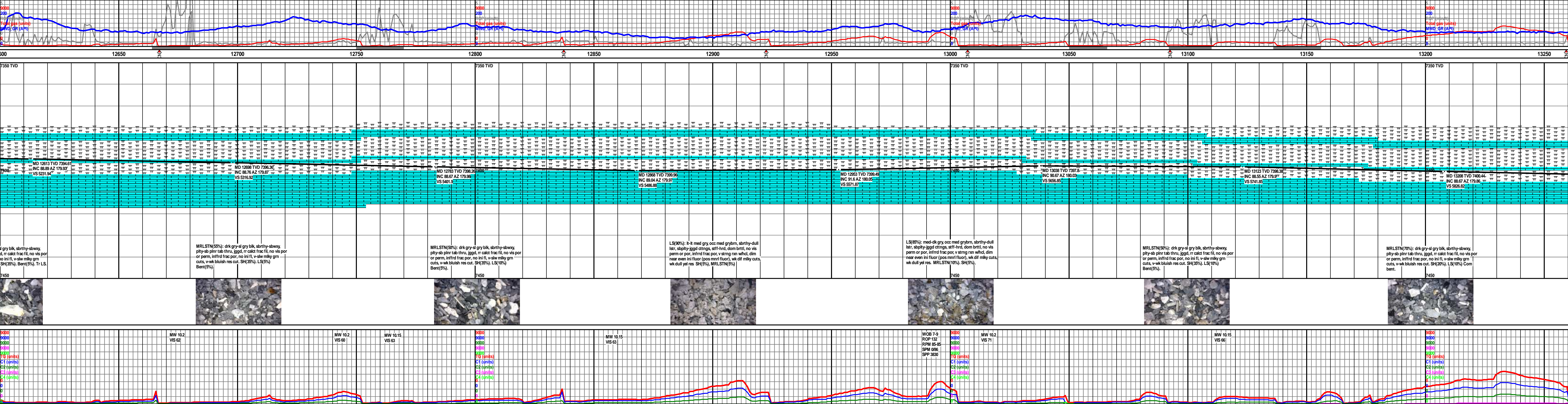


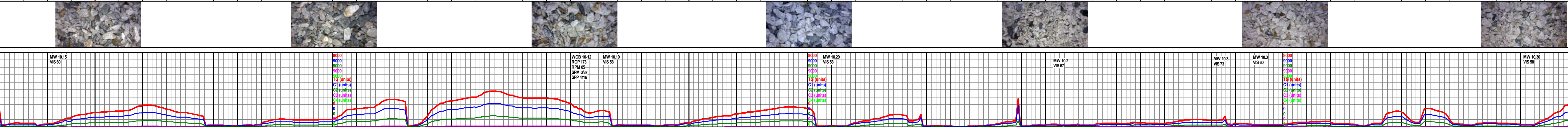
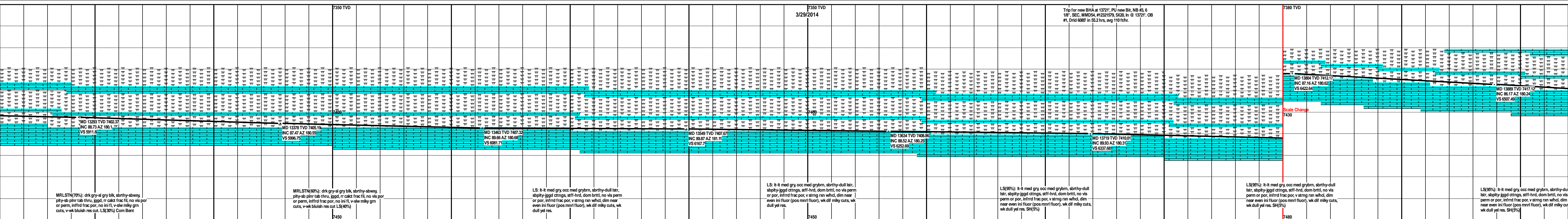


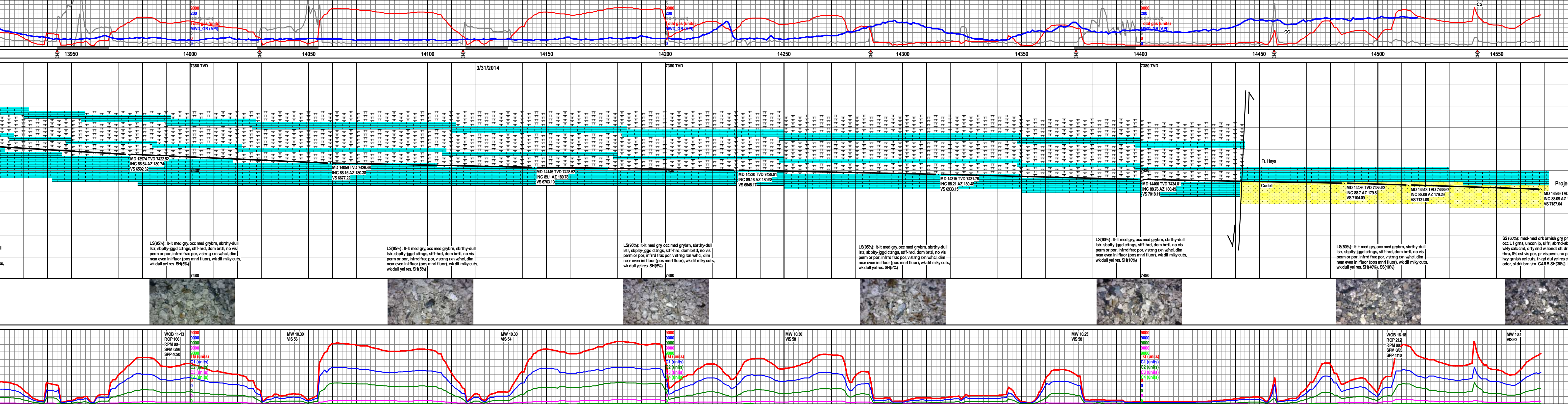


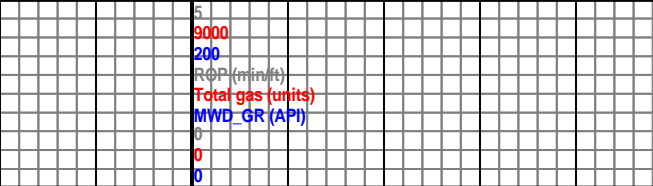












14600	1
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