

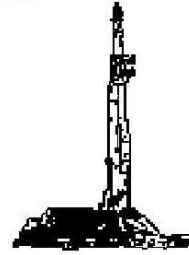
GOOLSBY BROTHERS
and associates, inc.

575 Union Blvd, Suite 208
Lakewood, CO 80228
303-945-2860 Office



Geological Wellsite
Supervision

www.goolsbybrothers.com



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

Well Name: Underhill 2C-17HZ
Location: Section 17, T1N, R67W, Weld County, CO.
License Number: API# 05-123-3691700
Spud Date: 13 August 2013
Surface Coordinates: 880' FSL & 1520' FEL SW SE Sec 17 T1N R67W
Lat: 40° 02' 46.34" N; Long: -104° 54' 37.76" W
Bottom Hole: 487' FNL & 1857' FEL NW NE Sec 17 T1N R67W
Coordinates: [3923' North & 1857' West of Surface Location]
Ground Elevation (ft): 5112' K.B. Elevation (ft): 5128'
Logged Interval (ft): 7300' To: 12,395' Total Depth (ft): 12,395'
Formation: Lower Pierre Shale, Niobrara Chalks & Codell Ss.
Type of Drilling Fluid: Water Base Mud

Region: Wattenberg

Drilling Completed: 19 August 2013 - 06:15

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

OPERATOR

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

GEOLOGIST

Name: Robert Nordeck & Dallan Gardner
Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)
Address: 575 Union Blvd.
Suite 208,
Lakewood CO. 80228

E-logs

MWD GR: 7250'-12,323'
MWD Resistivity: 8222'-12,330'





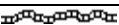



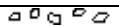





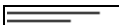

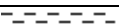



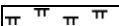

Casing

9 5/8" Surface Casing set @ 900'
7" Intermediate Casing set @ 8222'
4 1/2" Production Liner set & cemented @12372' TD


Comments


- 1) Drilling Contractor: Xtreme Drilling, Rig # 22
Rig Manager: Mike Headley / Tyler Humphrey
- 2) Company Man: Dave Cornett / Scott Hancock
Butch Beddingfield
- 3) Well Site Geologists: Goolsby Brothers & Assoc. :
Robert Nordeck / Dallan Gardner
- 4) Mud Company : AES Drilling Fluids,
Mud Engineer: Ryan Chapman
- 5) Directional Drilling: Sperry / Halliburton
Drillers: Randy Bernatow / Tom Onyekwelu
MWD: Clay Wass / Caleb Jones
- 6) Gas Equipment: Mudlogging Systems Inc.
by Terra Services
Redbox # ML-198 w/ Ratcliff Agitator


ROCK TYPES


	Anhy		Oil sat.		Salt		Ss
	Bent		Congl		Shale		Chalk
	Brec		Dol		Shcol		Carb sh
	Cht		Gyp		Shgy		Sltty sh
	Clyst		Lmst		Ss		
	Coal		Mrlst		Sltst		


MINERAL


 Anhy


 Arggrn


 Arg


 Bent


 Bit


 Brecfrag


 Calc


 Carb


 Chtdk


 Chtlit


 Dol


 Feldspar


 Ferrpel


 Ferr

 Glau


 Gyp


 Hvymin


 Kaol


 Marl


ACCESSORIES


 Minxl


 Nodule


 Phos


 Pyr


 Salt

 Sandy


 Silt


 Sil


 Sulphur


 Tuff


FOSSIL


 Algae


 Amph


 Belm


 Bioclst


 Brach


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 Crin


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 Foram


 Fossil


 Gastro


 Oolite


 Ostra

 Pelec


 Pellet


 Pisolite


 Plant


 Strom


STRINGER


 Chlkstg


 Anhy


 Arg


 Bent


 Coal


 Dol

 Gyp


 Ls


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
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 Ssstrg


TEXTURE


 Boundst


 Chalky


 Cryxln


 Earthy


 Finexln


 Grainst

 Lithogr


 Microxln


 Mudst


 Packst


 Wackest


OIL SHOWS


 Even

 Spotted


 Ques


 Dead


 Vspotty


 near even


POROSITY TYPE


 Earthy

 Fenest


 Fracture


 Inter

 Moldic


 Organic


OTHER SYMBOLS


 Pinpoint


 Vuggy

ROUNDING


 Rounded


 Subrnd


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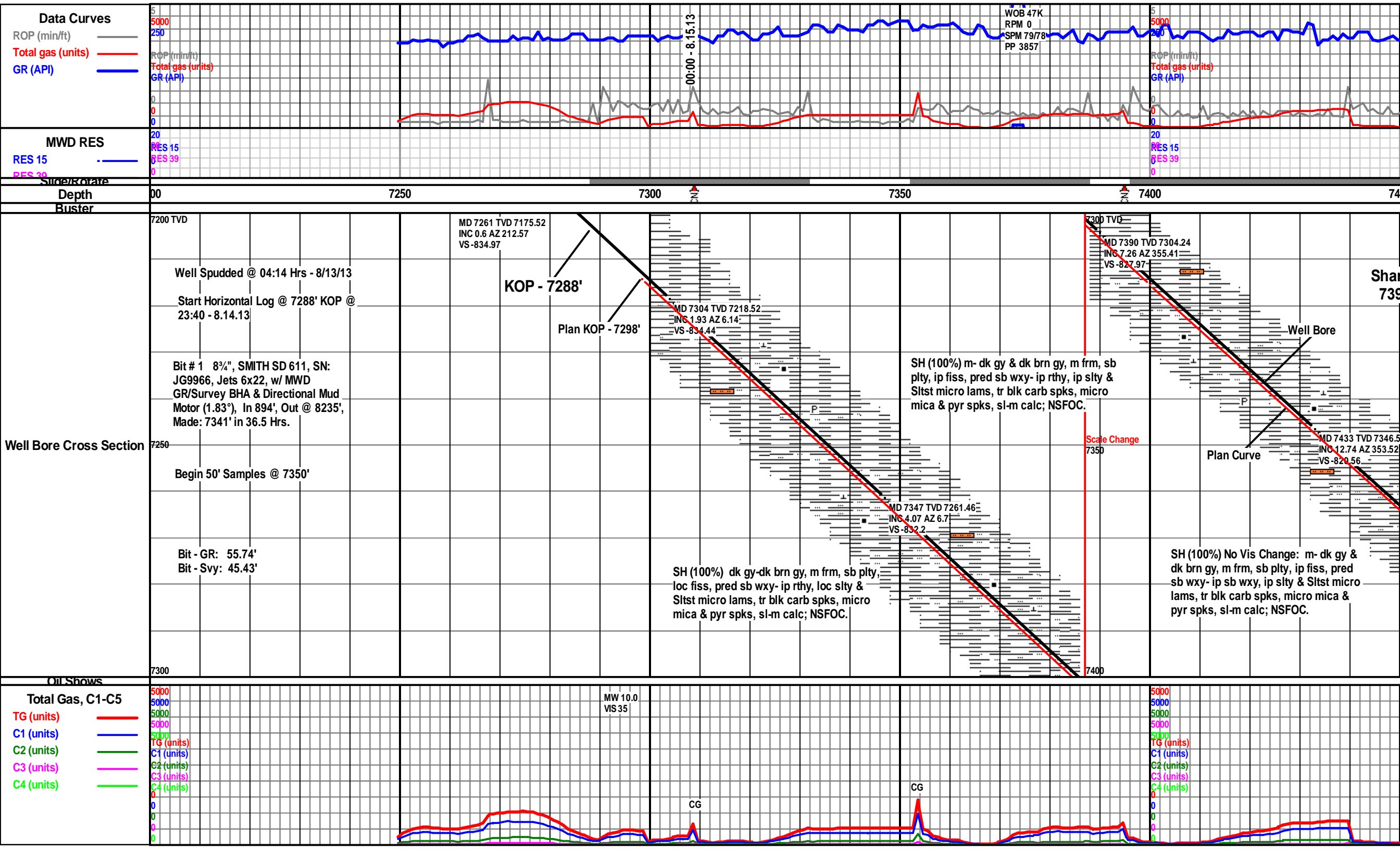
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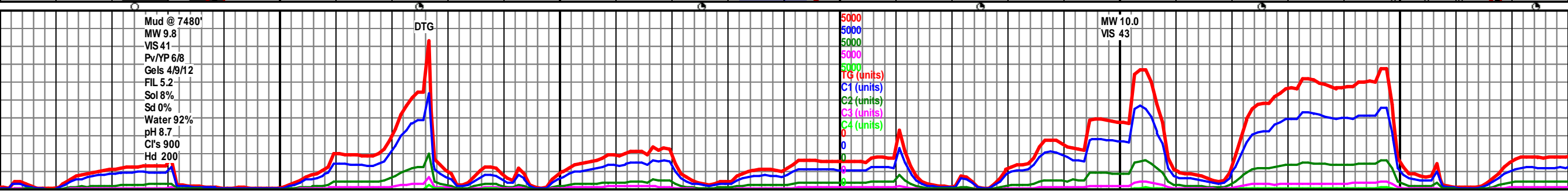
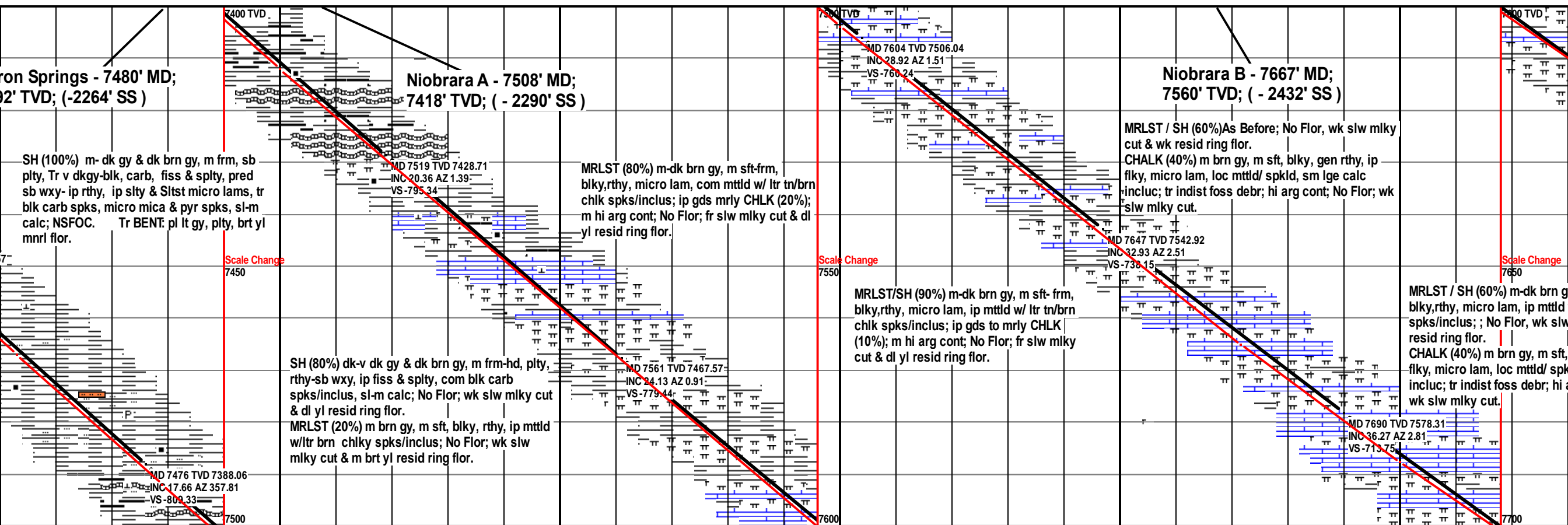
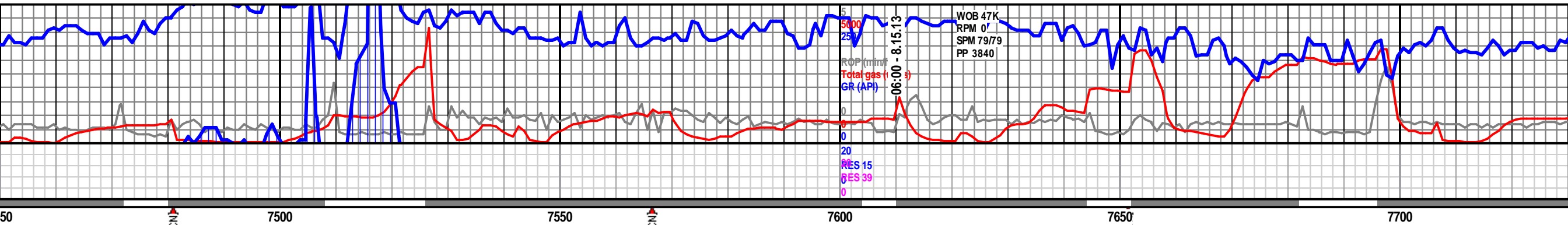
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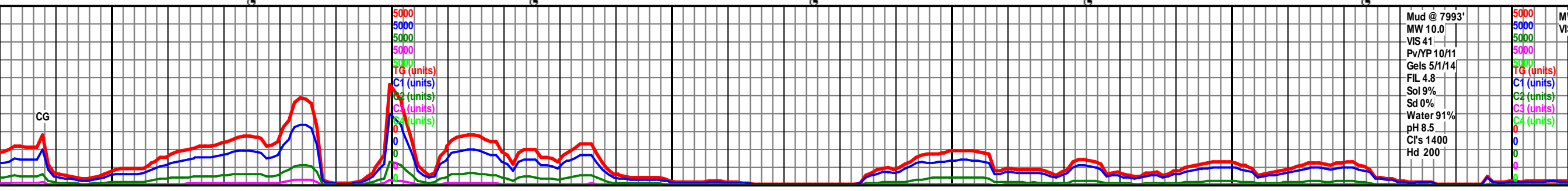
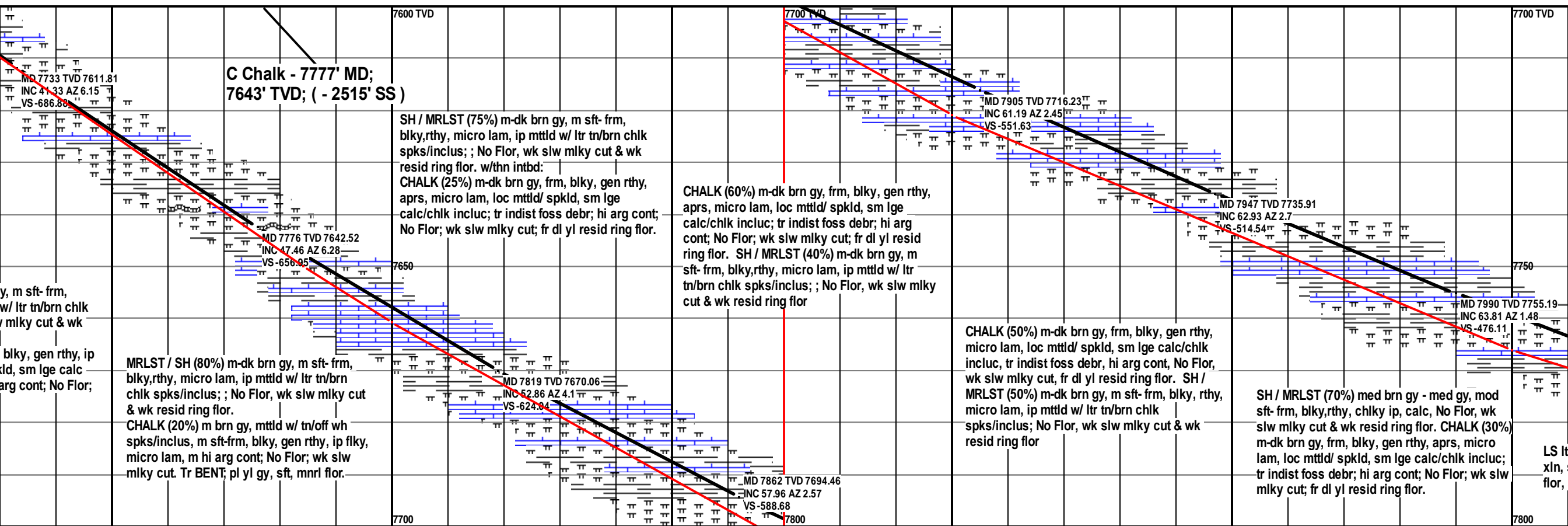
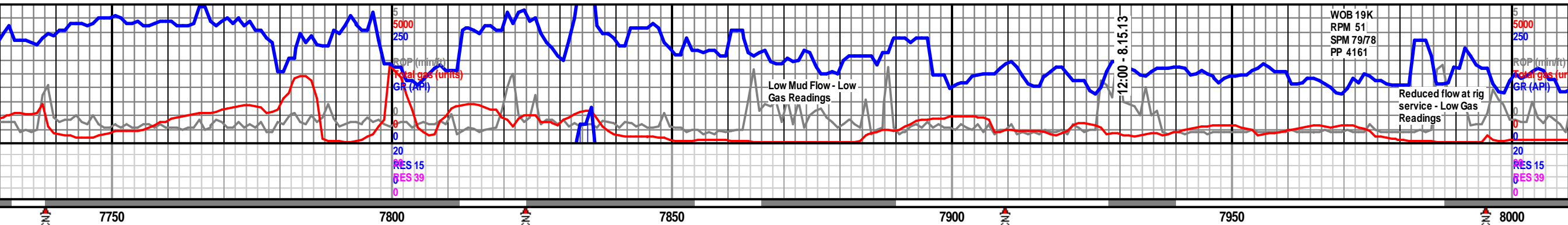
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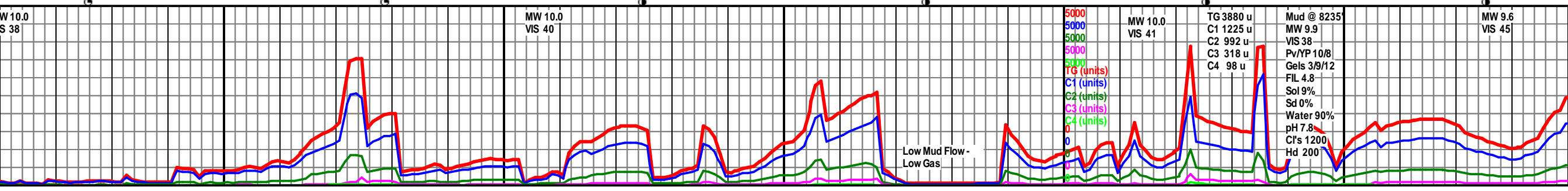
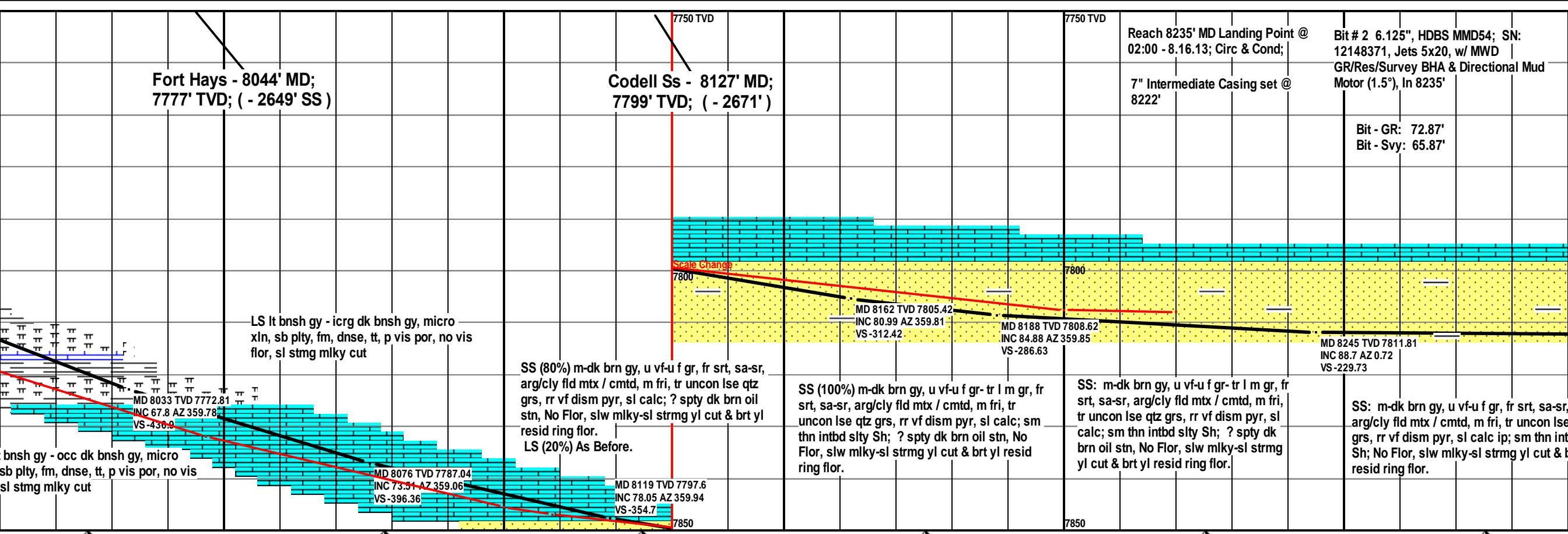
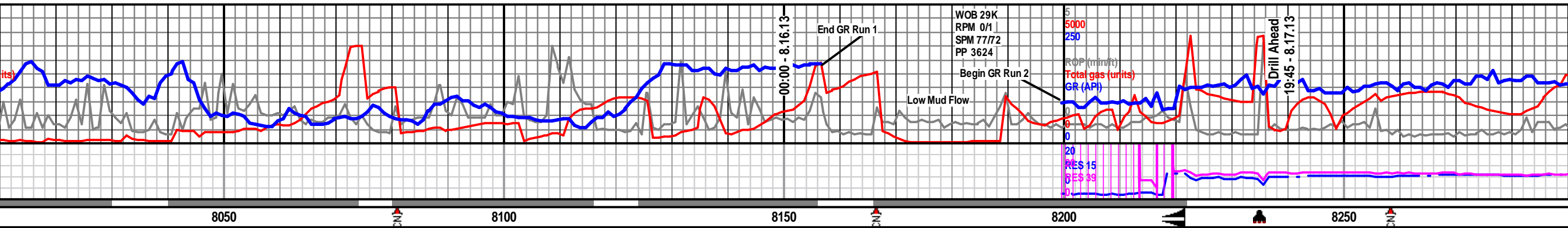
 Moderate

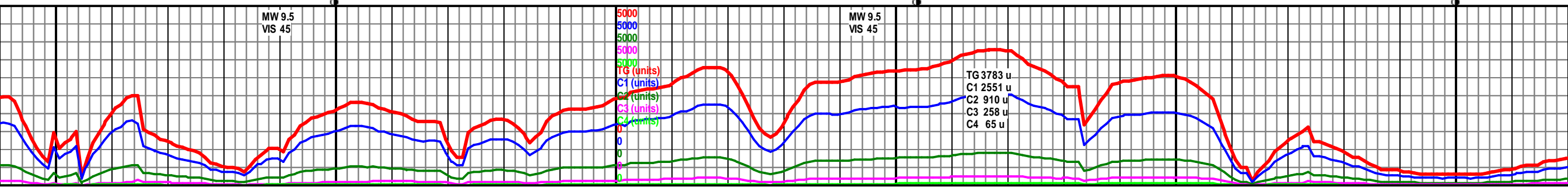
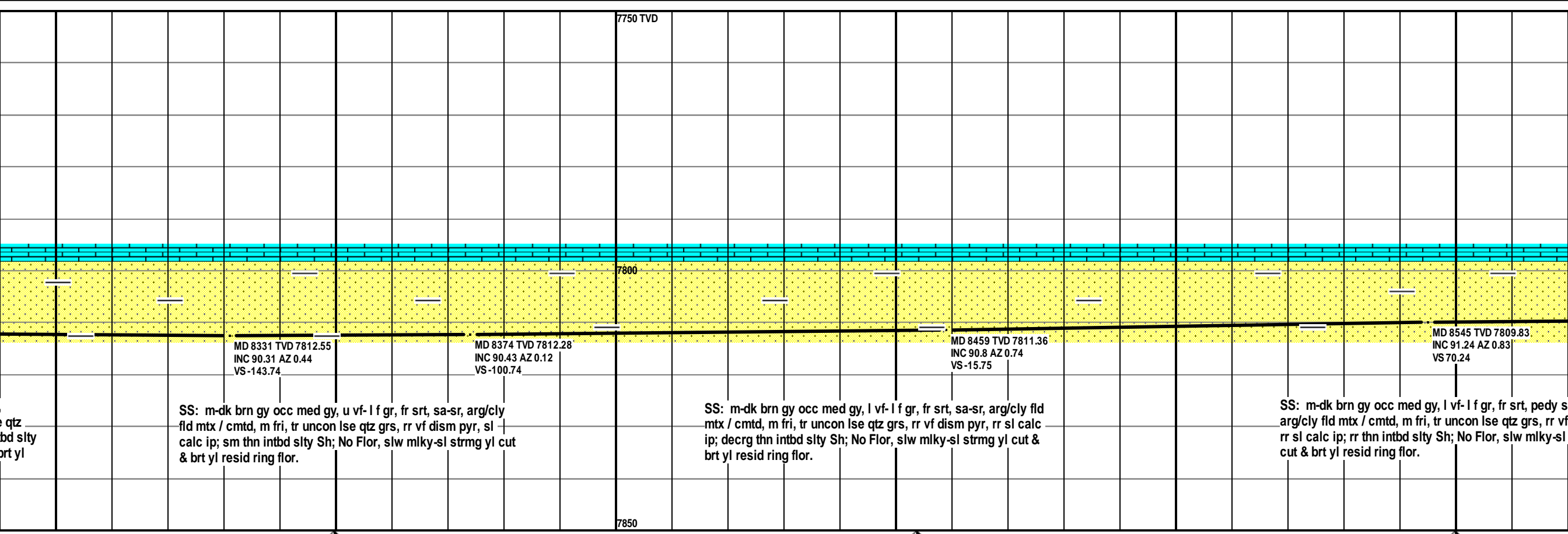
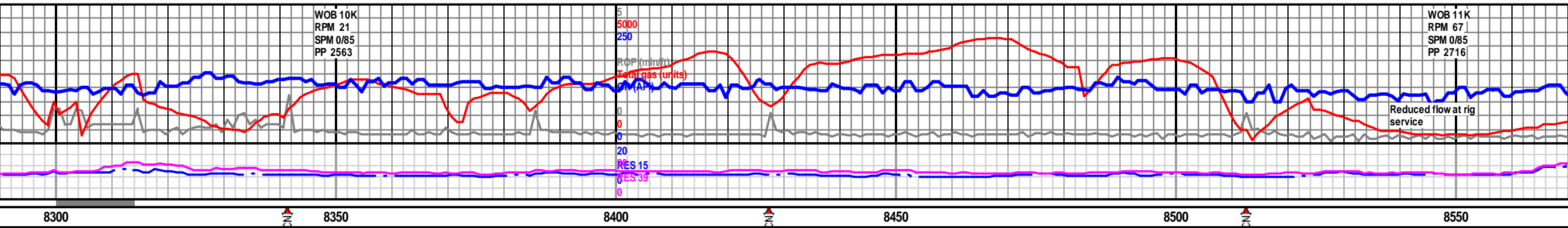
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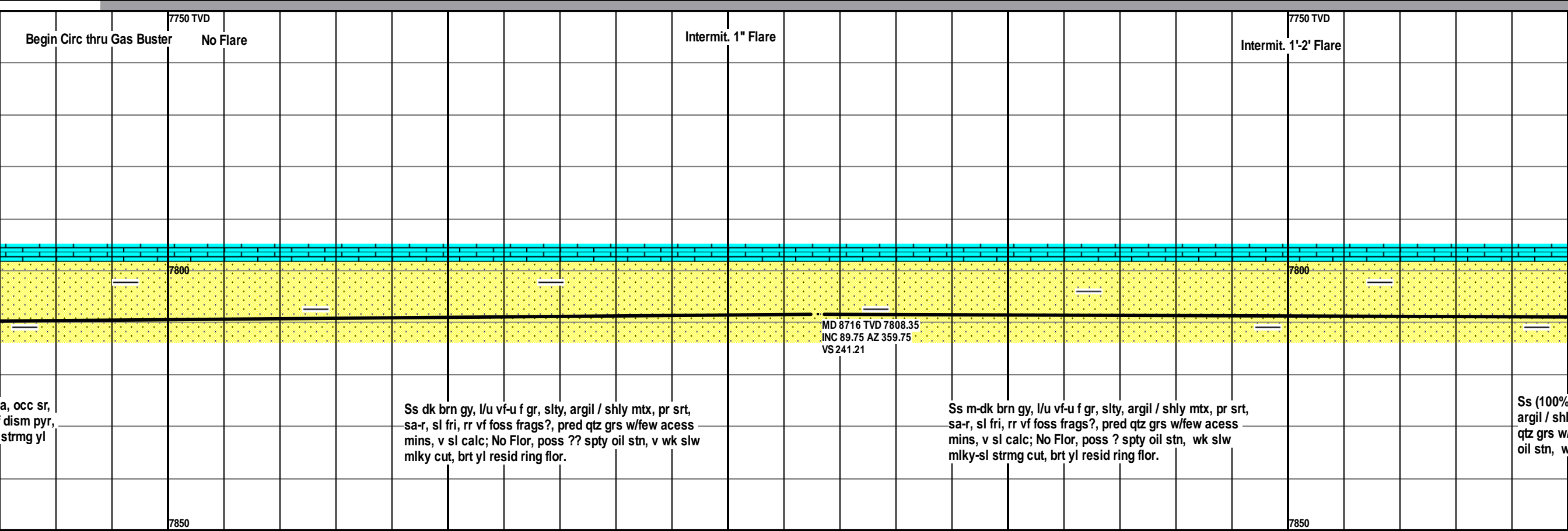


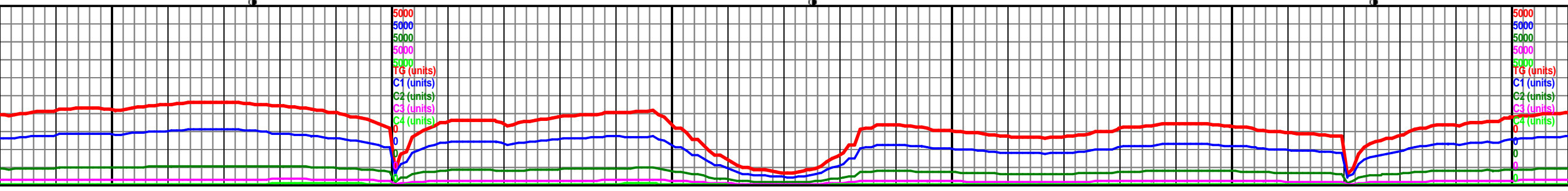
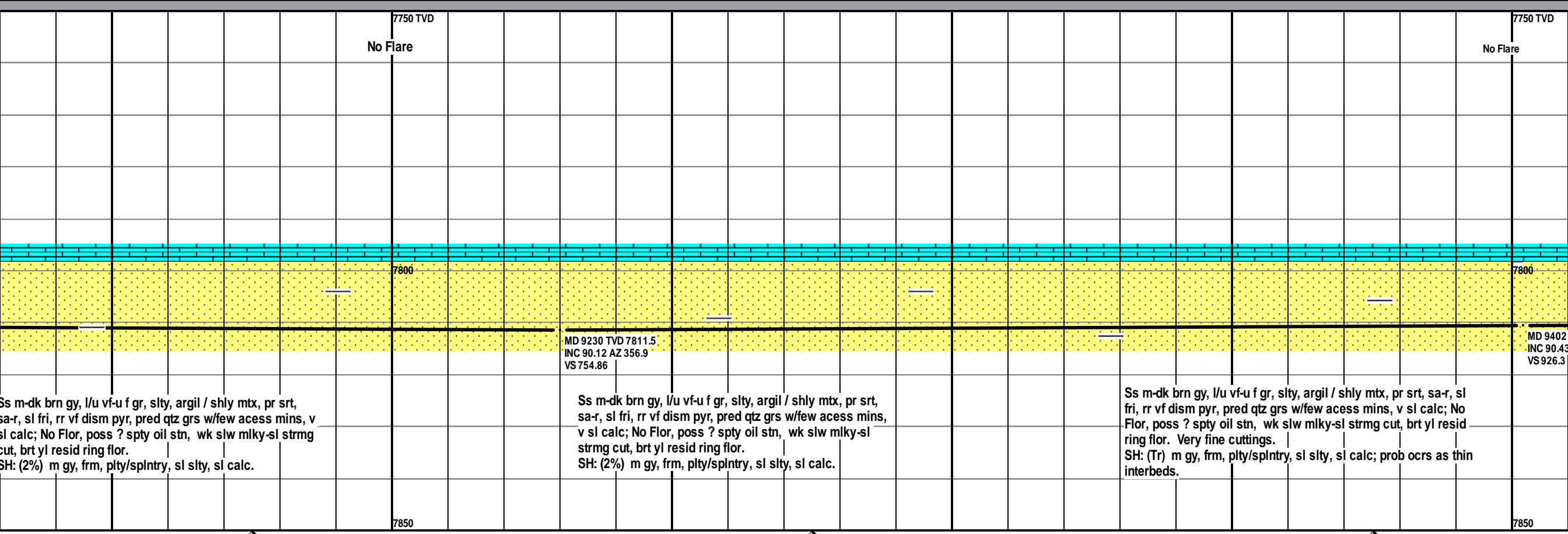
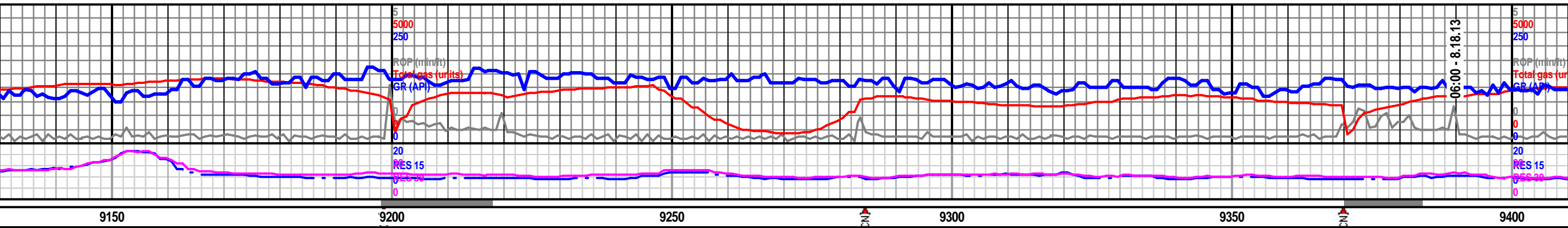


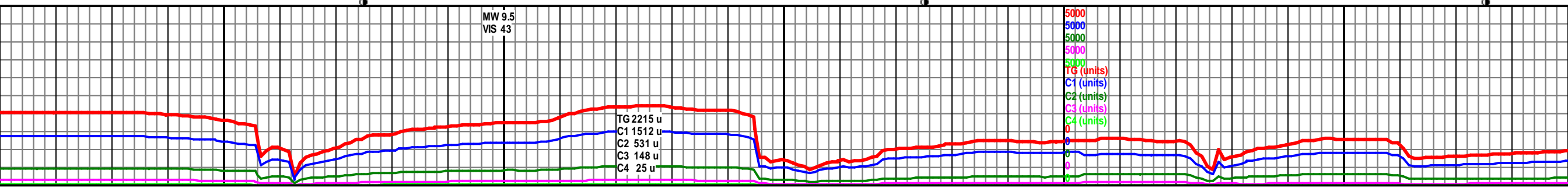
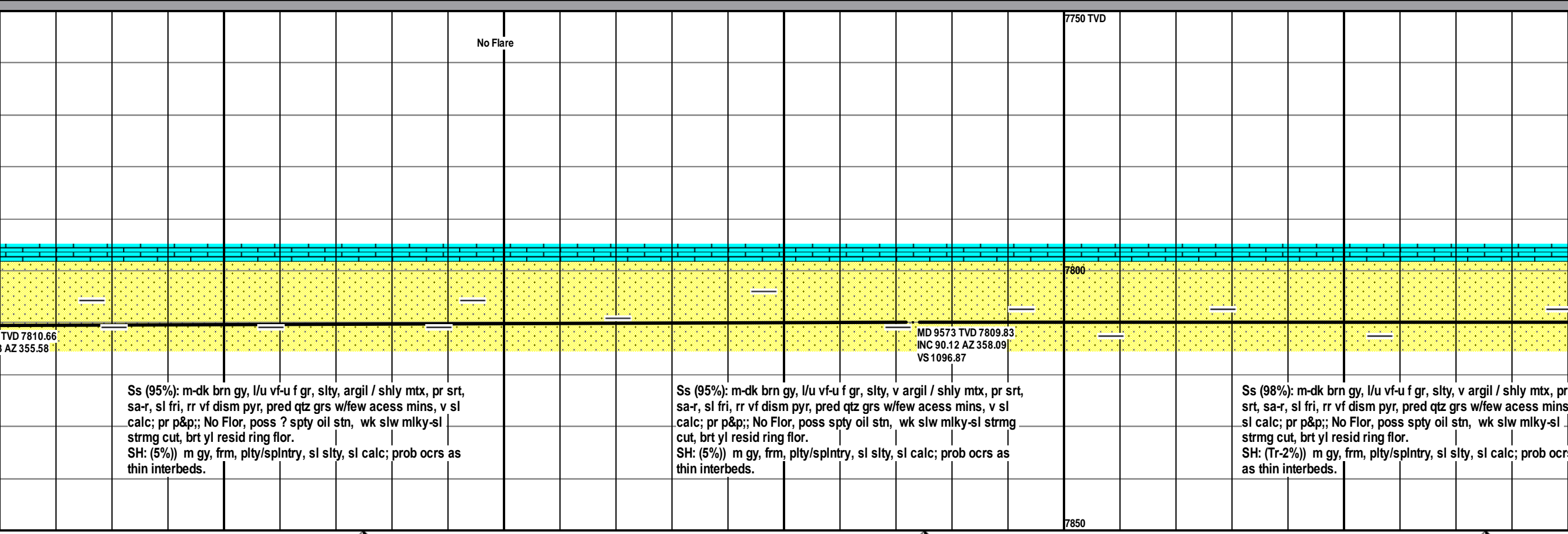
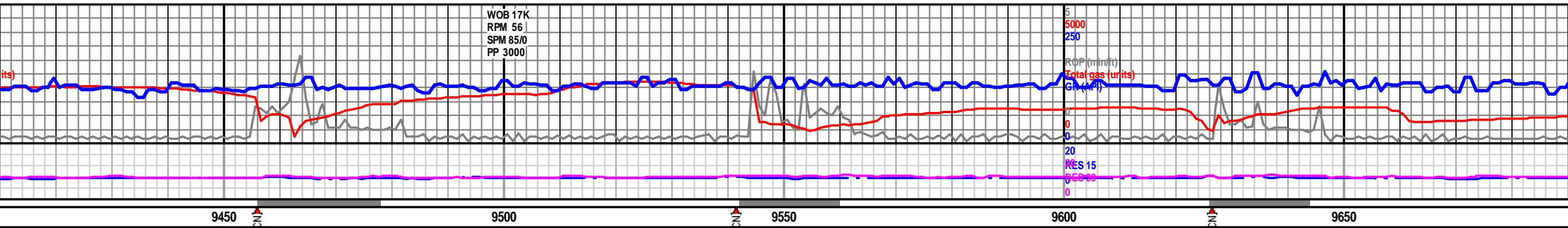


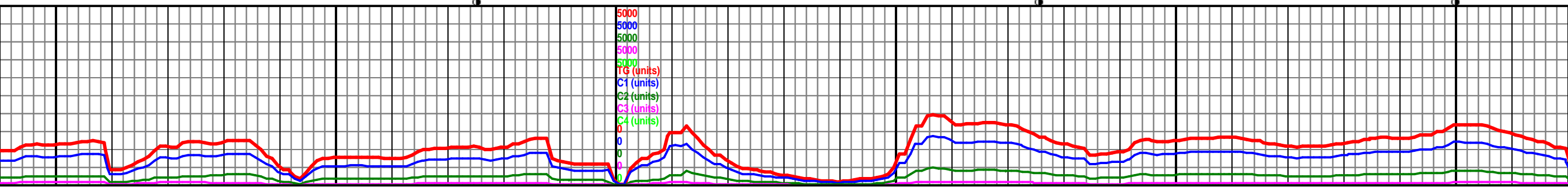
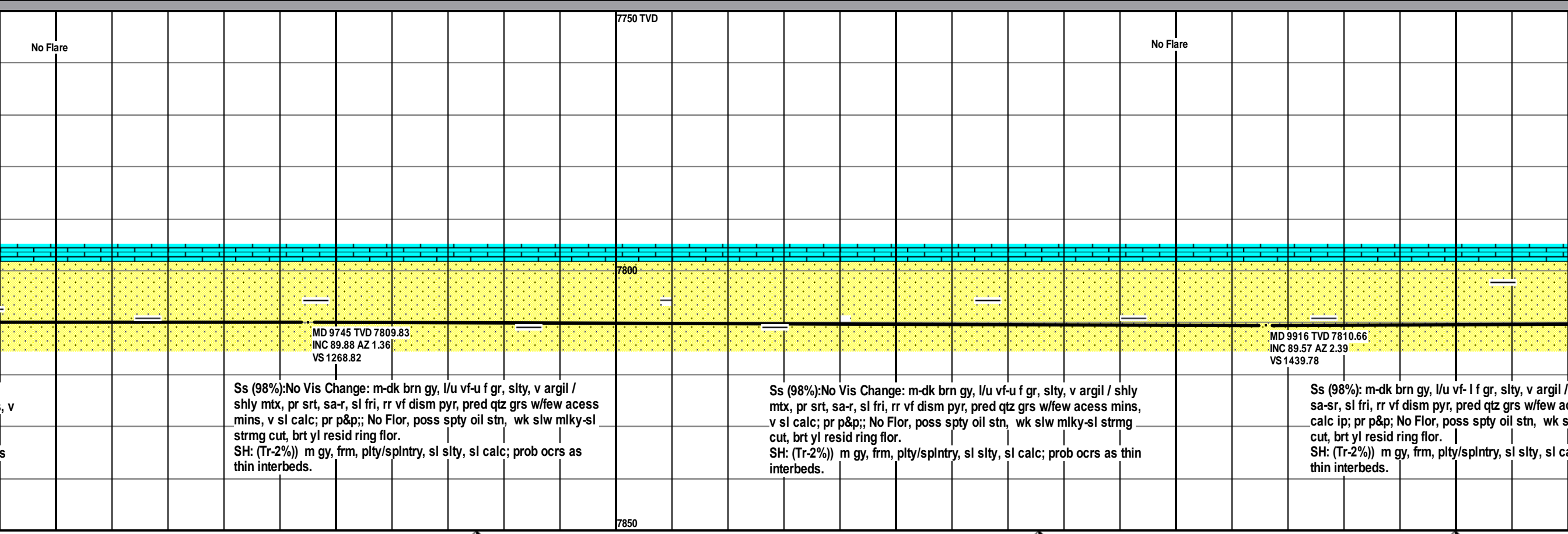
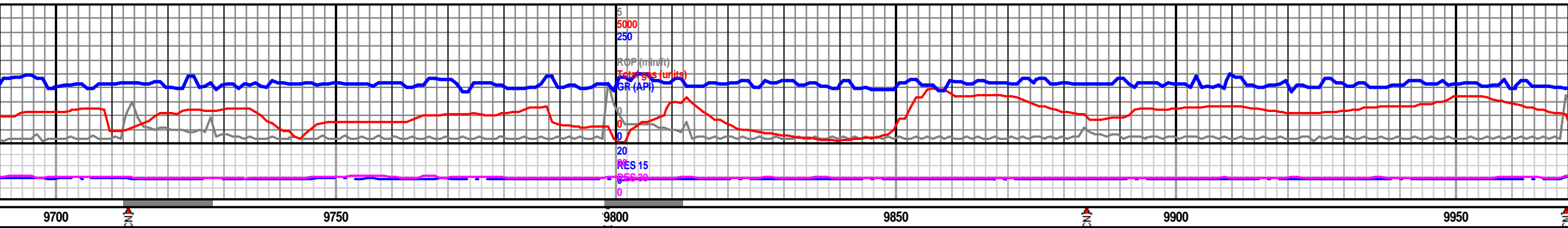


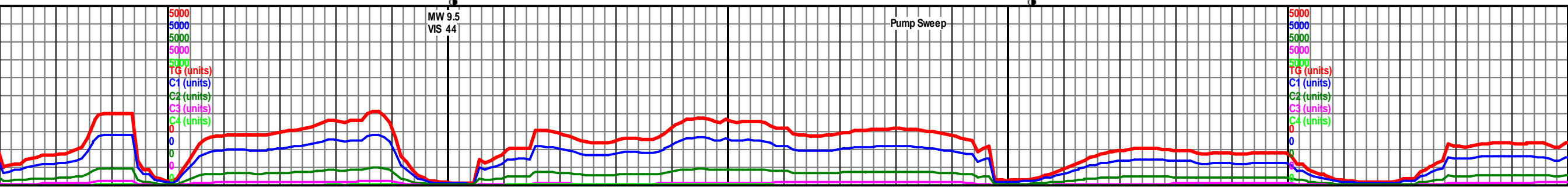
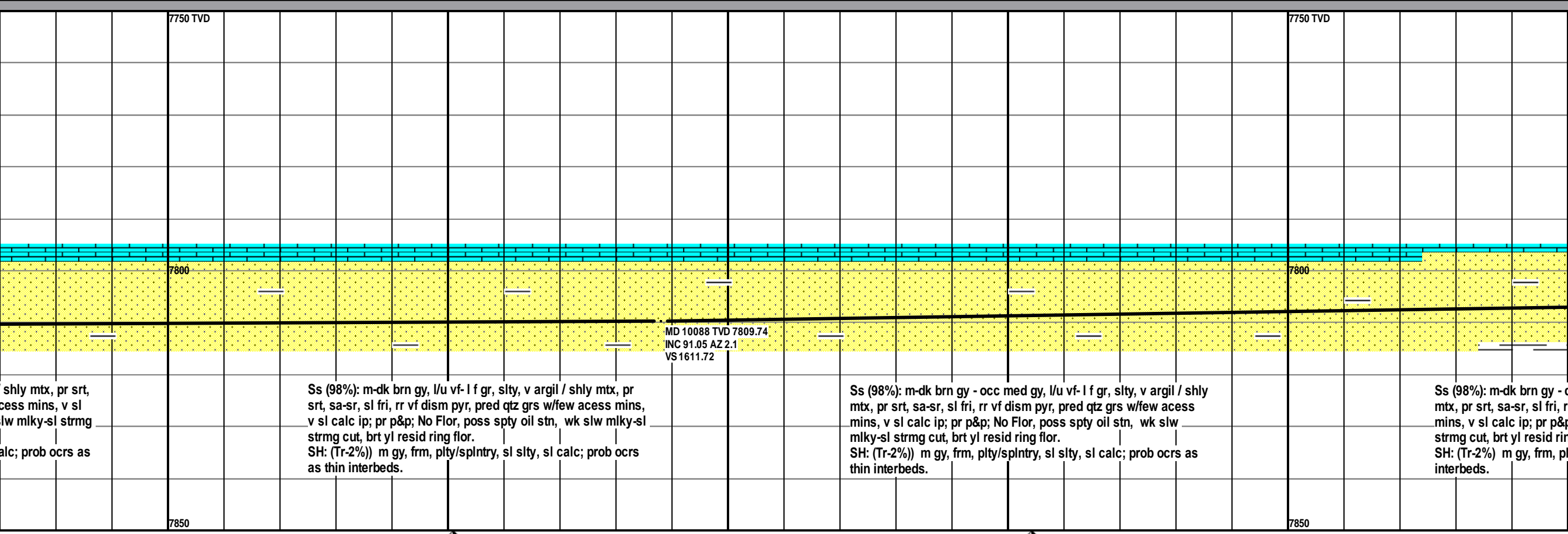
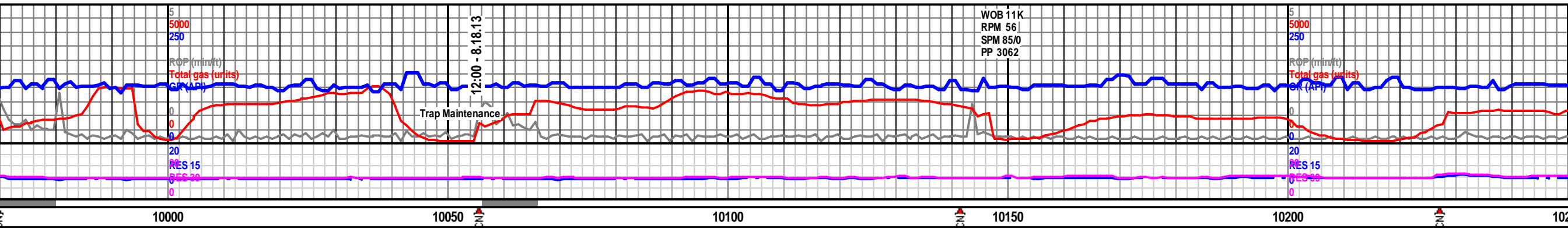


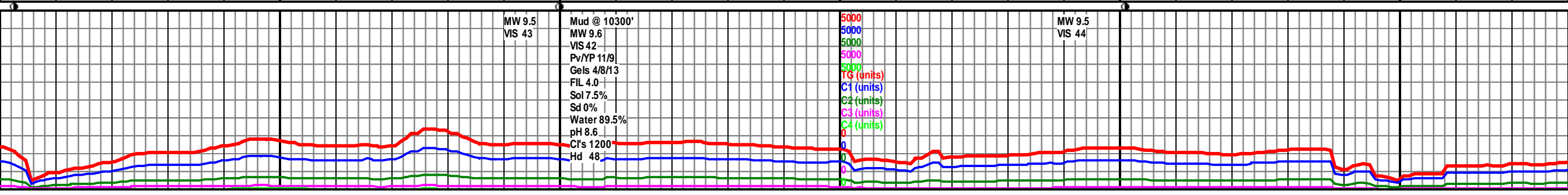
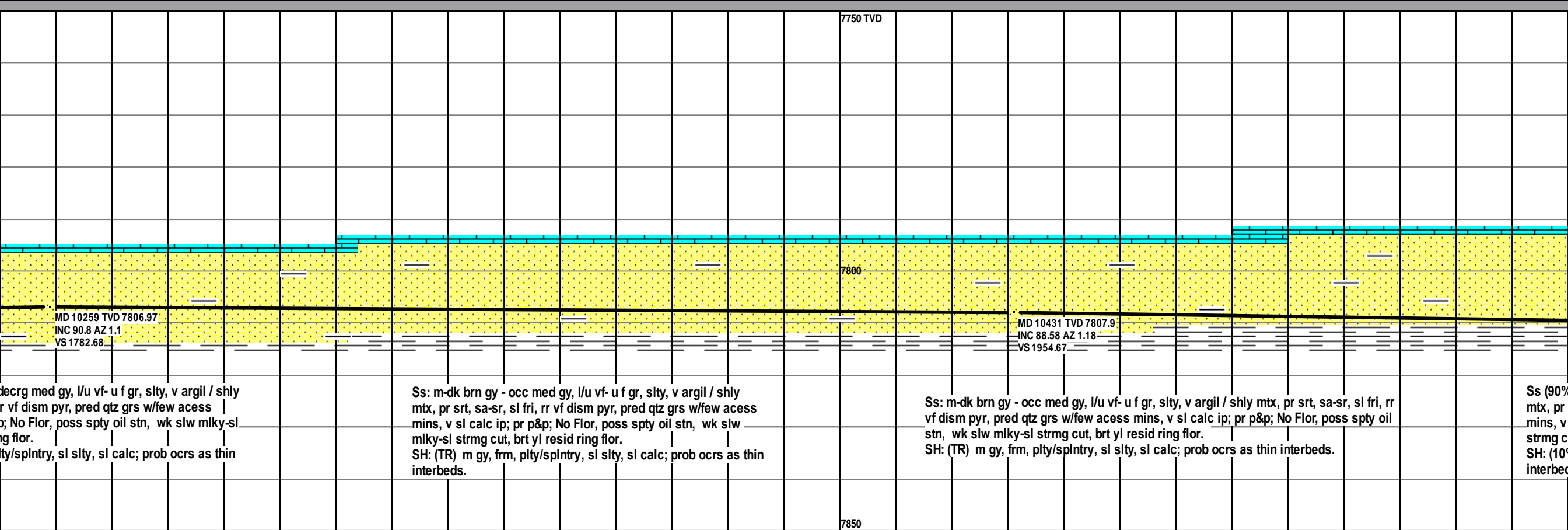
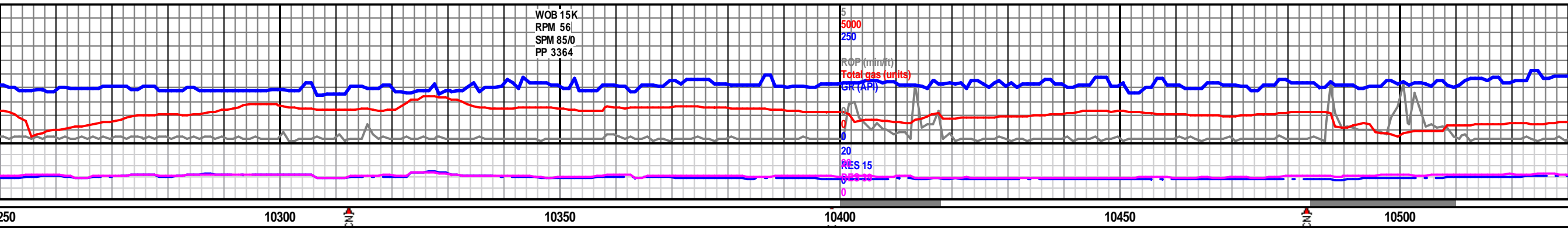


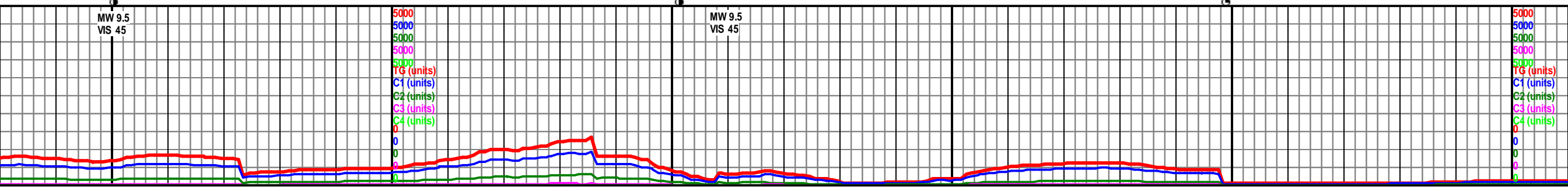
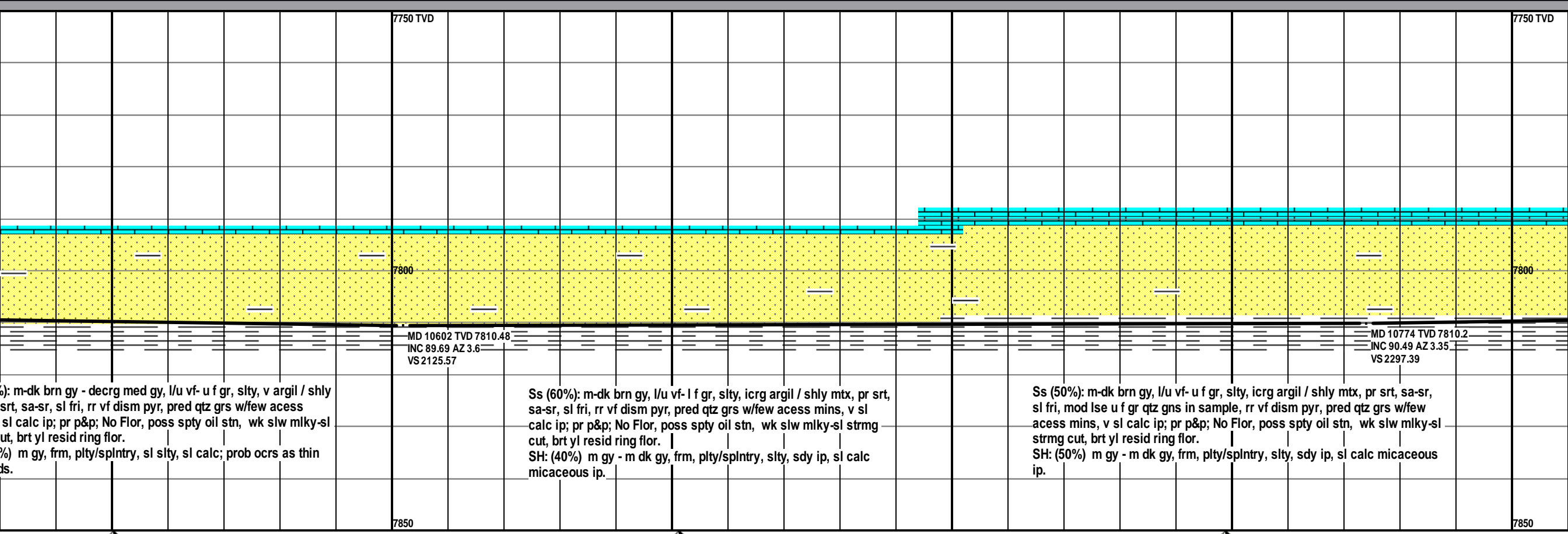
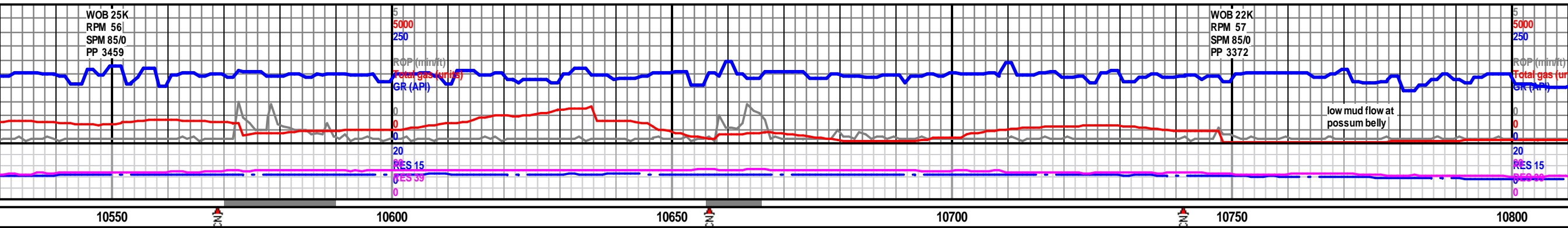


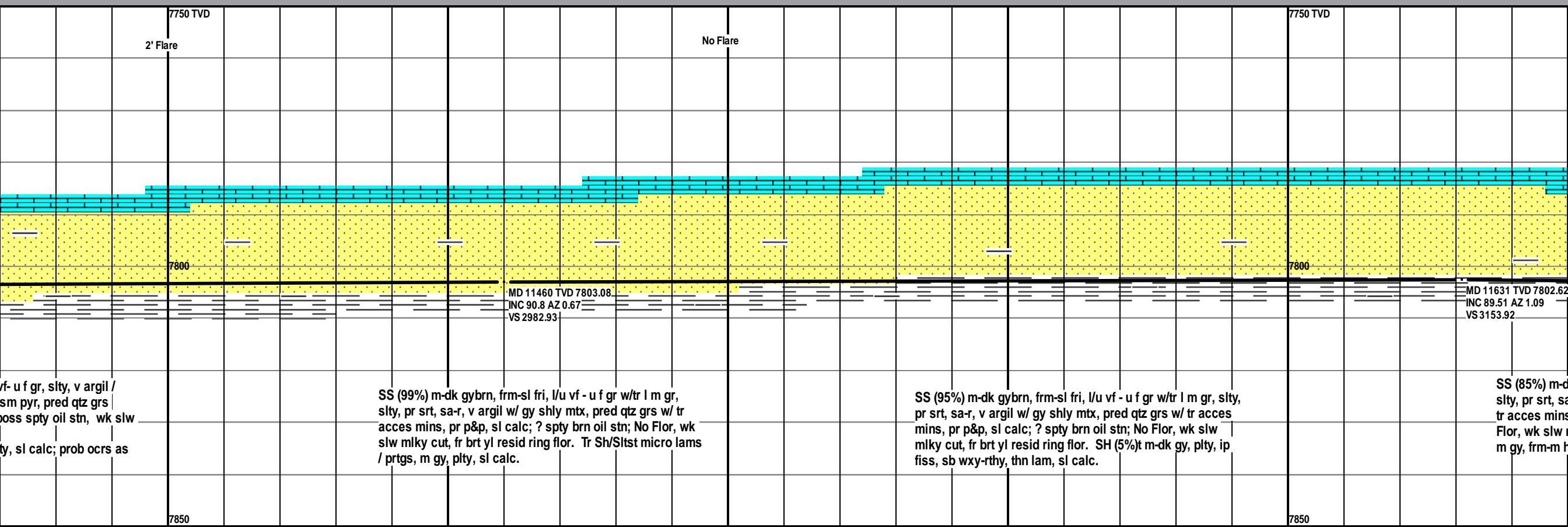


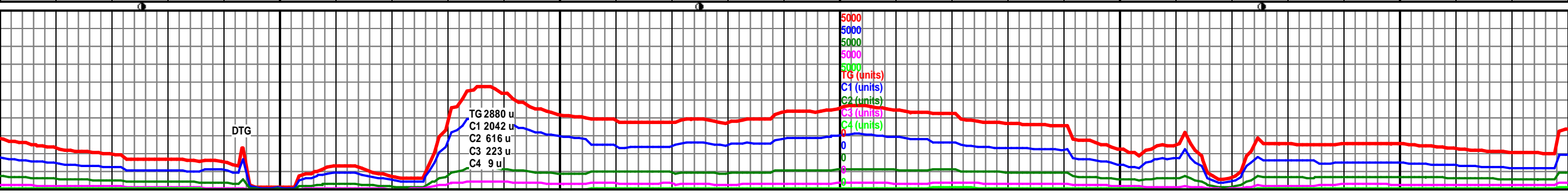
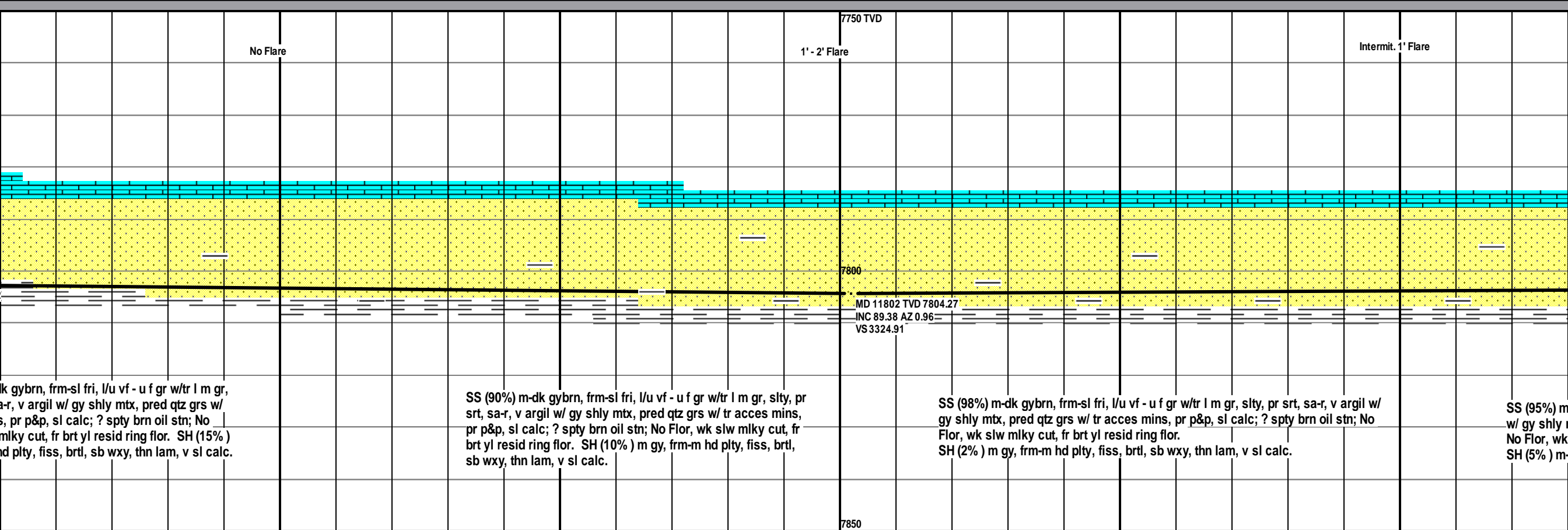
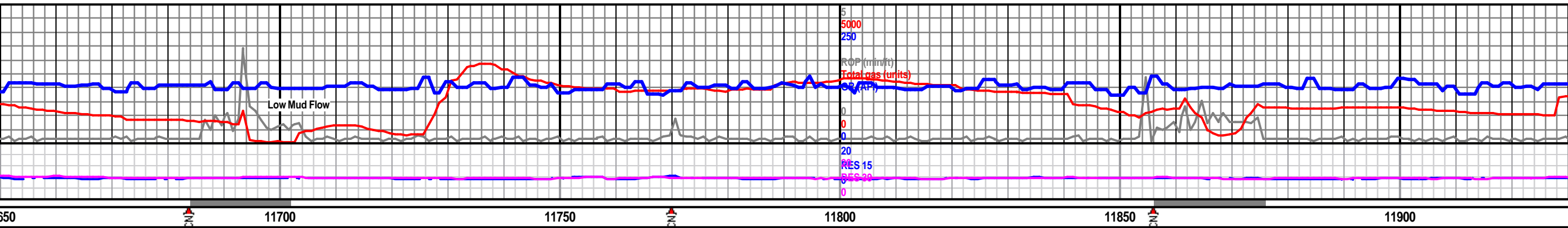


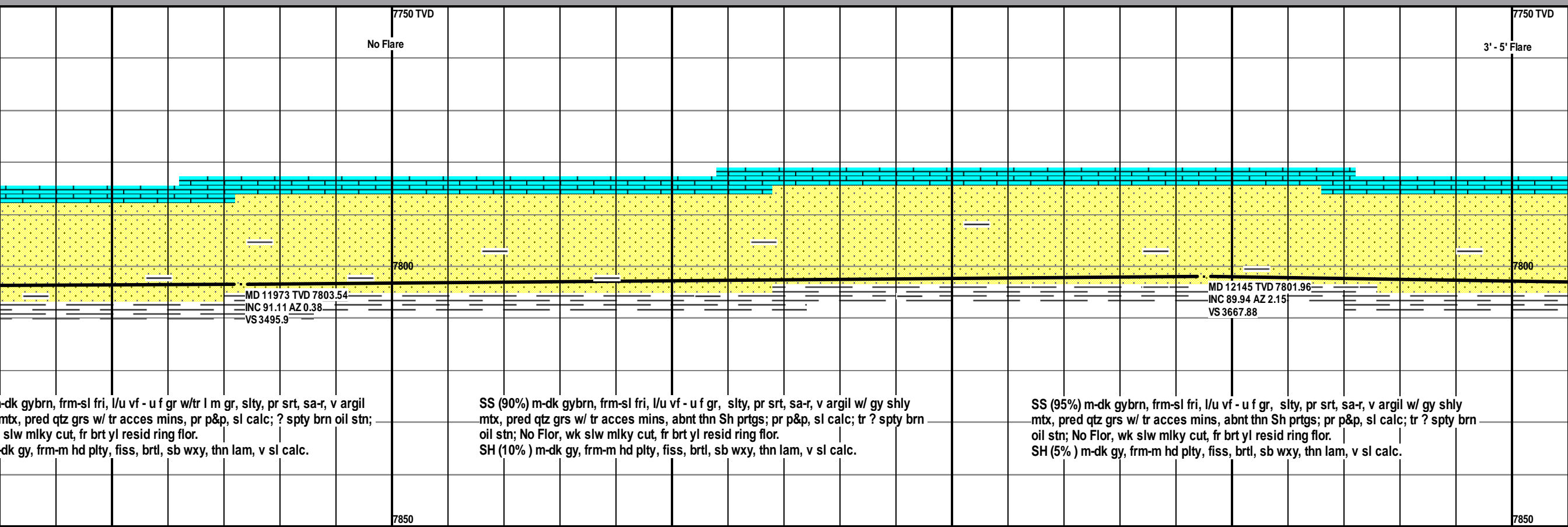


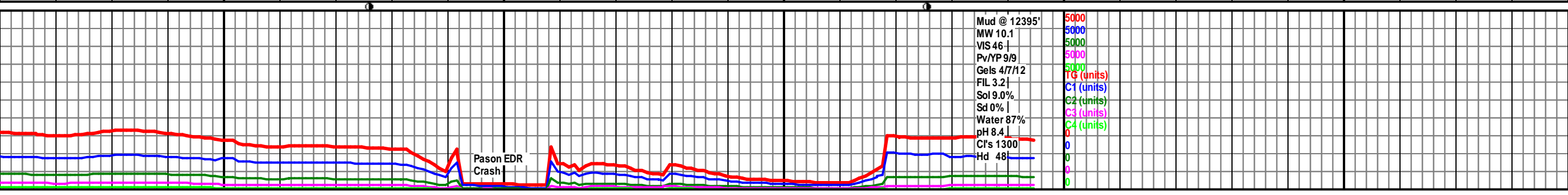
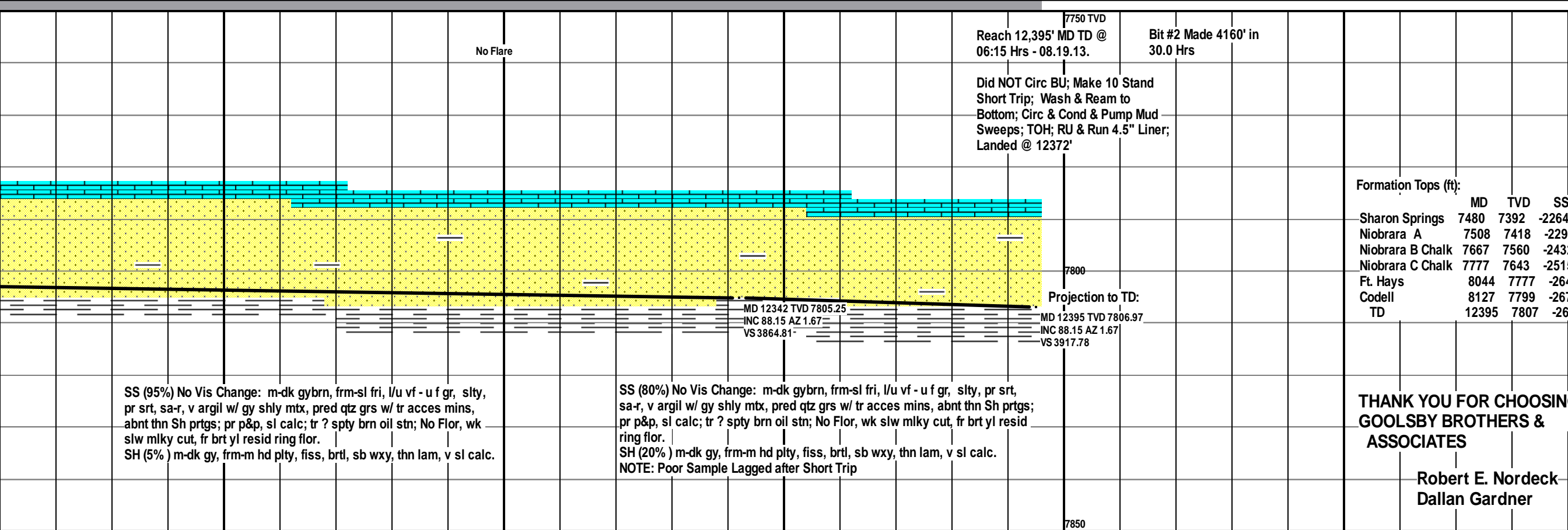
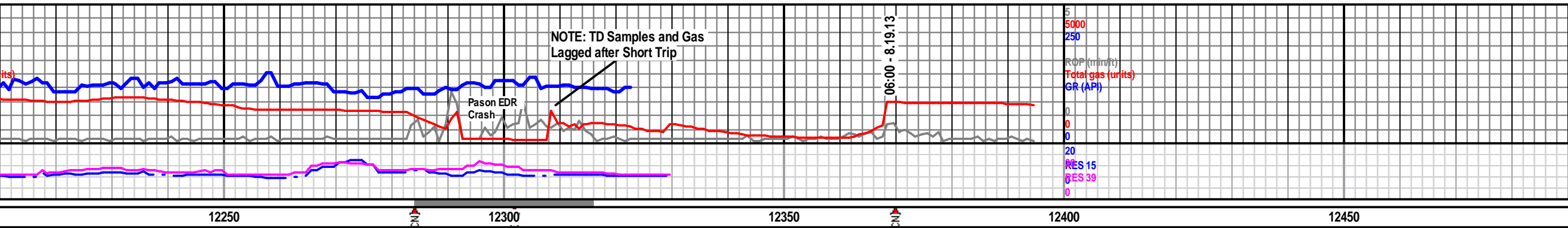












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