

WELL DATA

WELL NAME / CLASIFICACION	LO6-32D / DEVELOPMENT
CONTRACT	SERVICIOS
TOTAL MEASURED DEPTH, f	8209.0
TOTAL VERTICAL DEPTH (TVD), f	4120.0
COMPANIES: OPERATOR / PARTNERS	SAVIA / TGT LAB SAC
COUNTRY / COUNTY	PERU / PIURA
FIELD	LOBITOS OFFSHORE
SURFACE COORDINATES	9 508 658.67 / 459 048.46
SPUD DATE	07-Oct-13
T. D. DATE	15-Nov-13
INTERVAL LOGGED	455 - 8209 ft
DRILLING RIG	PEPESA 40
DRILL FLOOR ELEVATION, f	50.00
GROUND LEVEL ELEVATION (GL), f	-335.00
BOTTOM COORDINATES	
CREW	L. AGURTO/R. OTOYA/G.CARDOZA/E. SANTISTE...
WITNESSED BY	Augusto ORTEGA
NOTE	MUD TYPE: CLAYSEAL/BARADRIL-N



Rock Types

	Shale		Claystone		Siltstone
	Sandstone		Conglomerate		Sand
	Limestone		Dolomite		Argillite
	Phyllite		Slate		Quartzite
	Intrusive		Quartz		Anhydrite
	Schist		Volcanic		Tuff
	Volcanic Breccia		Others		

Mud Abbreviations

MW	Mud Weight (ppg)	NB	New Bit
V	Viscosity (Sec/qt)	ST	Short Trip
PV	Plastic Viscosity (cp)	DST	Drill Steam Test
YP	Yield Point (lb/100ft^2)	LAT	Logger After Trip
WL	Filtrate (cc)	WOB	Weight on Bit (klbsf)
Gel	Gel (10 sec/10 min)	RPM	Revolutions per Minute (rpm)
MC	Mud Cake (API)	PP	Pump Pressure (psi)
Sal	Salinity (mg/lit)	SPM	Strokes per Minute (spm)
pH	Hydrogen Potential (pH)	GPM	Galons per Minute
Rm	Mud Resistivity (Ohm*m)	FG	Formation Gas
Rmf	Mud Filtrate Resistivity (Ohm*...)	TG	Trip Gas
Rmc	Mud Cake Resistivity (Ohm*m)	GC	Connection Gas
LC	Lost Circulation (Bbls)	SG	Swab Gas
O/W	Oil / Water Ratio (%)	SWC	Side Wall Core

Drilling Abbreviations

Traces

	ANHYDRITE		CALCITE		CHERT
	CHLORITE		COAL		DOLOMITE
	FELDSPAR		FIBROUS CALCITE		FOSSIL
	GLAUCONITE		GYPSUM		HEMATITE
	SHELL FRAG		IRON OXIDES		KAOLINITE
	LIGNITE		LIMESTONE		LIMONITE
	MARL		SLICKENSIDE		MICA
	MUSCOVITE		OPALE		PELLETS
	PHOSPHATES		PLANTS REMAINS		PYRITE
	BENTONITE		SIDERITE		ASPHALT
	MILONITE		FORAMINIFEROUS		SHELL FRAGMENT

Oil Shows

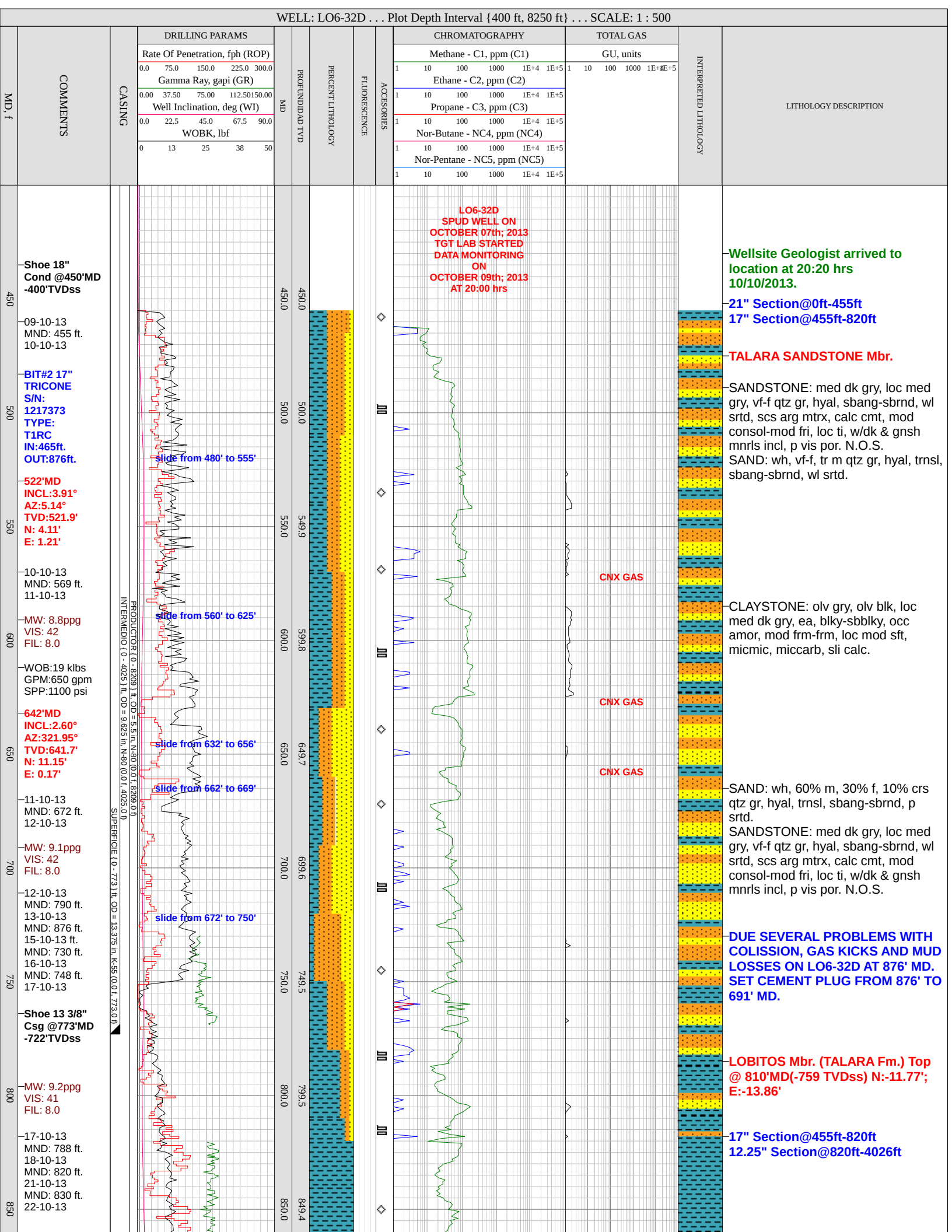
	TRACES		POOR		FAIR
	GOOD		VERY GOOD		

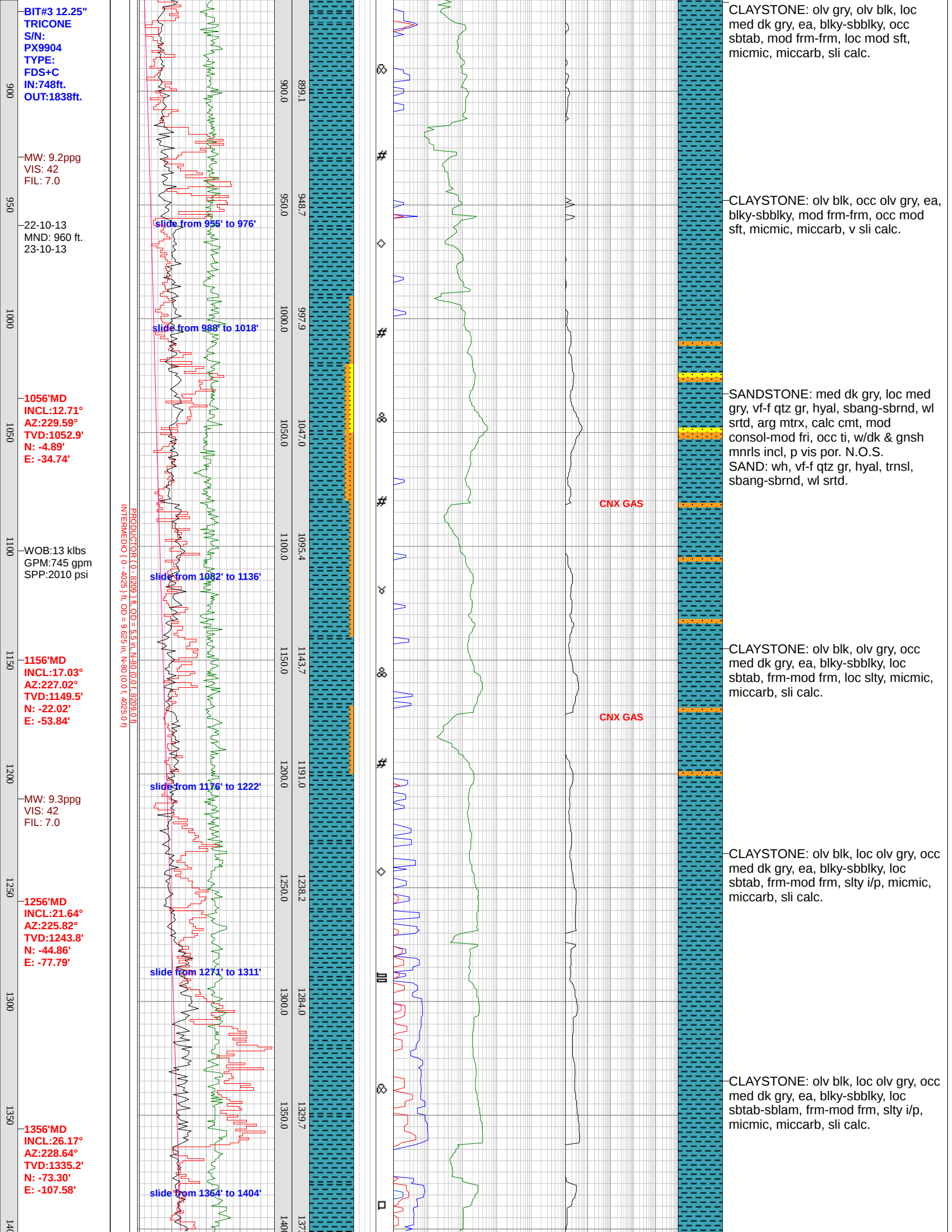
Contaminated Sample

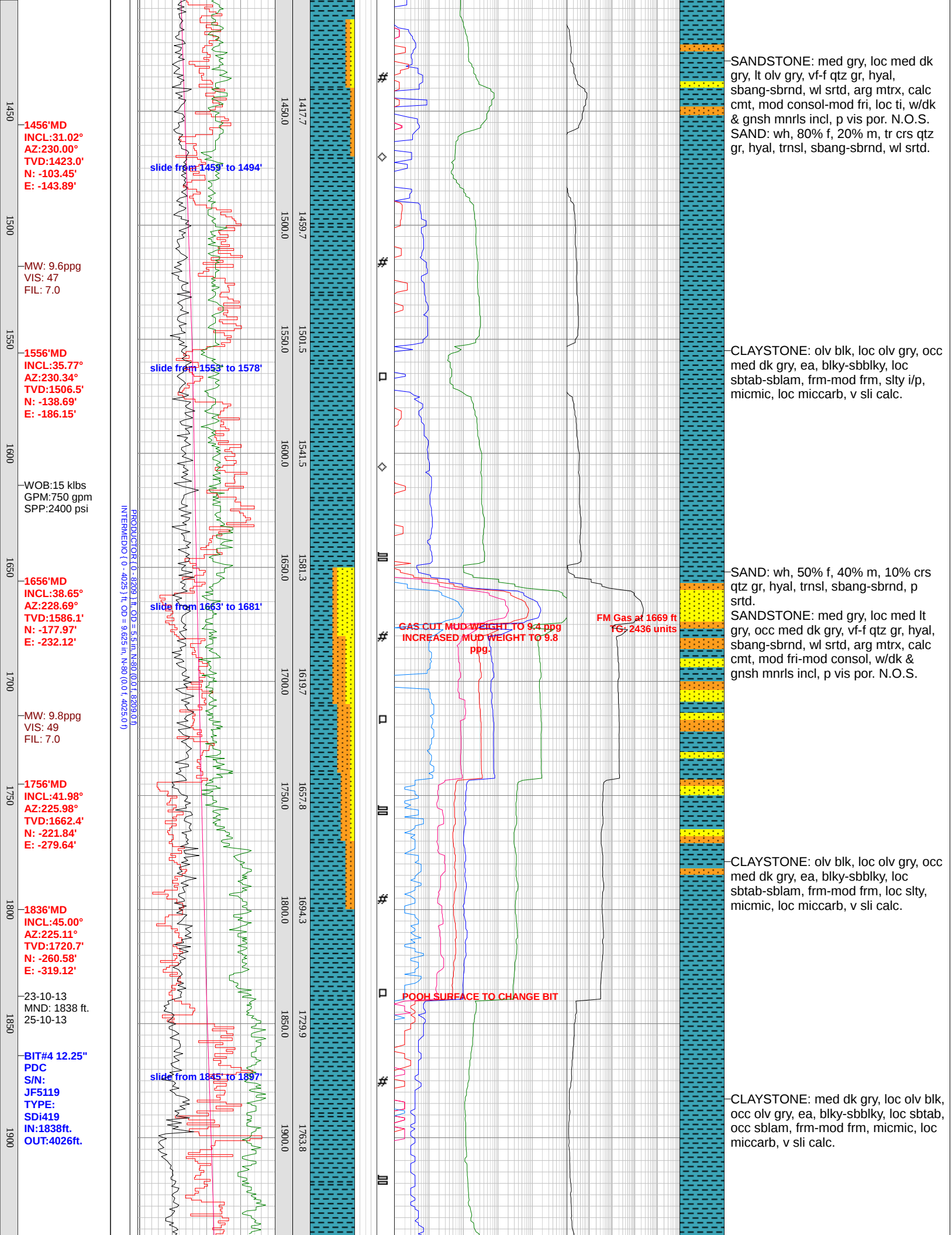
	VERY LOW (10%)		LOW (10-30)%		MODERATE (30-50)%
	HIGH (50-70)%		VERY HIGH (>70)%		

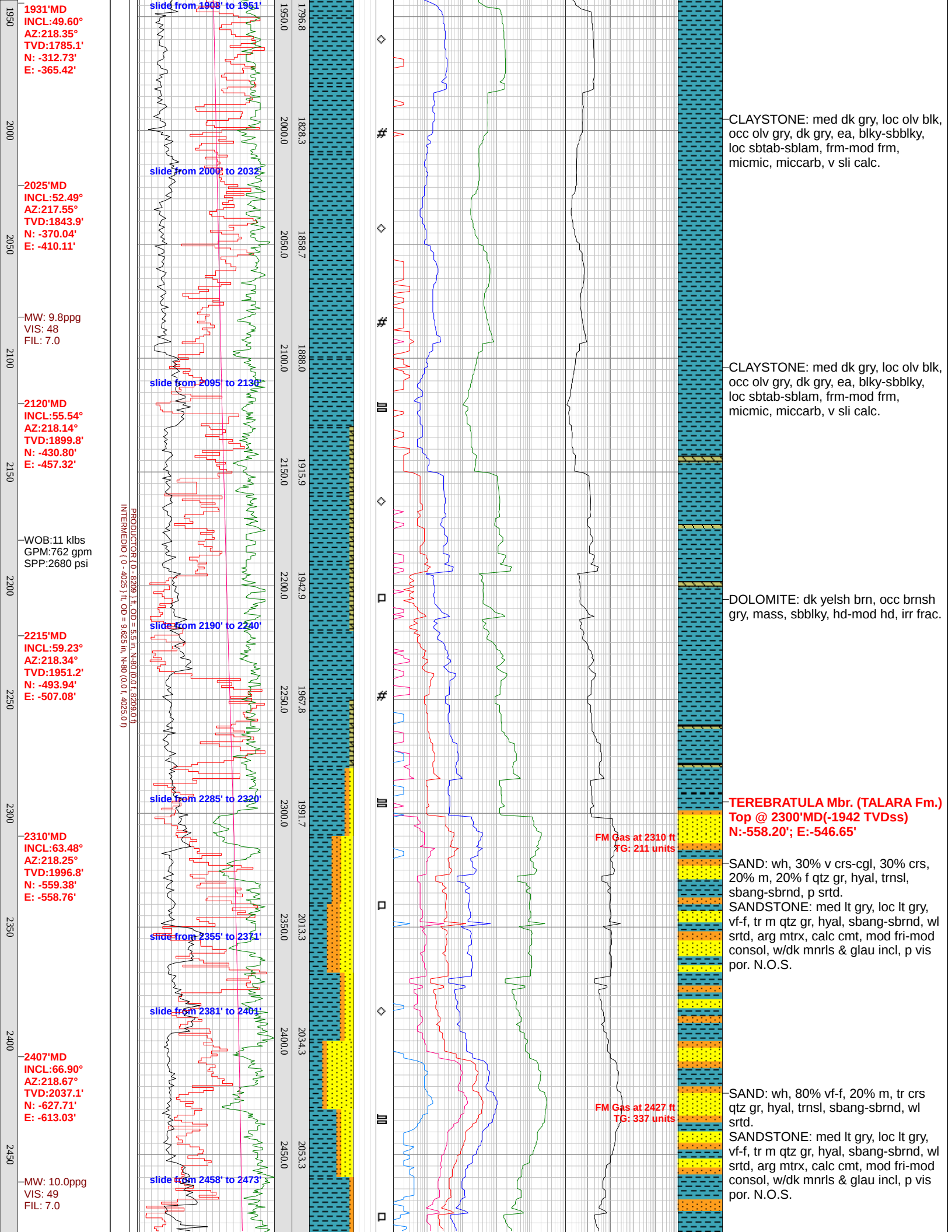
General Symbols

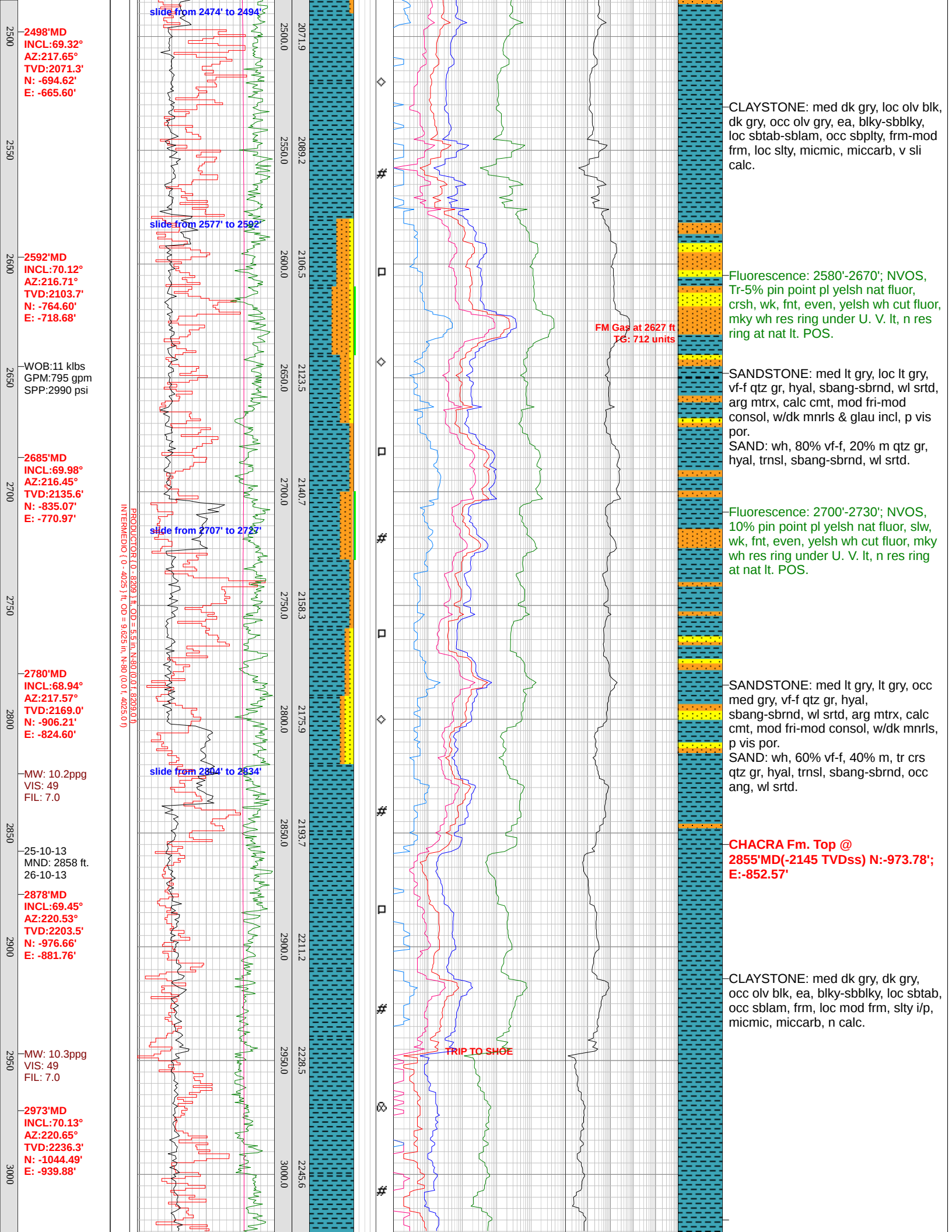
	SWC with oil		SWC without oil		Casing Shoe
	Normal Fault		Inverse Fault		Mud Gain
	Mud Loss		Bit Changed		Deviation Survey
	Formation Gas		Background Gas		Trip Gas or Swab Gas
	Connection Gas		Gas H2S		Gas CO2

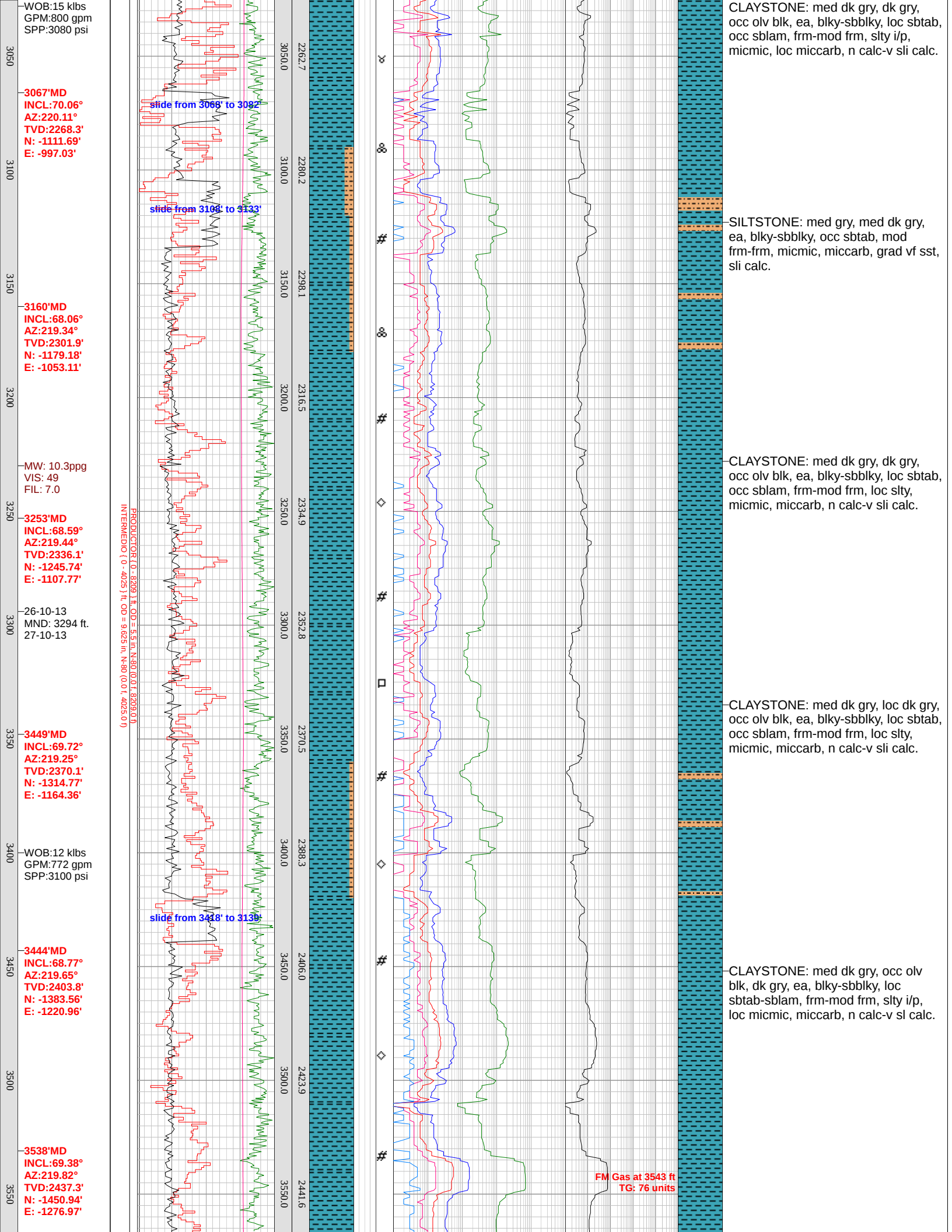


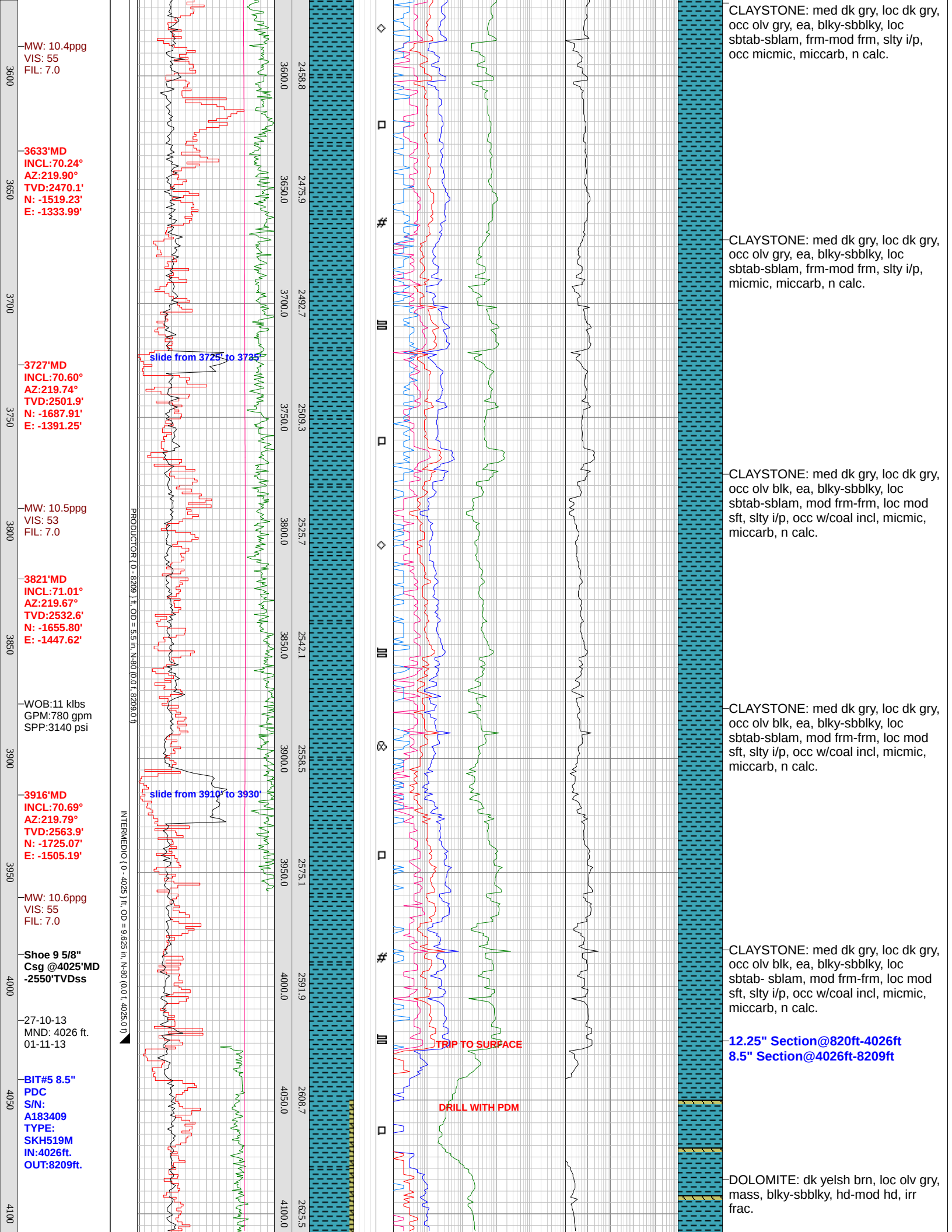












MW: 10.8ppg
VIS: 48
FIL: 6.8

4143'MD
INCL:70.26°
AZ:219.70°
TVD:2639.9'
N: -1888.97'
E: -1641.83'

4229'MD
INCL:69.85°
AZ:220.10°
TVD:2669.3'
N: -1951.02'
E: -1693.72'

4325'MD
INCL:69.73°
AZ:220.35°
TVD:2702.7'
N: -2020.21'
E: -1752.24'

WOB:12 klbs
GPM:550 gpm
SPP:2150 psi

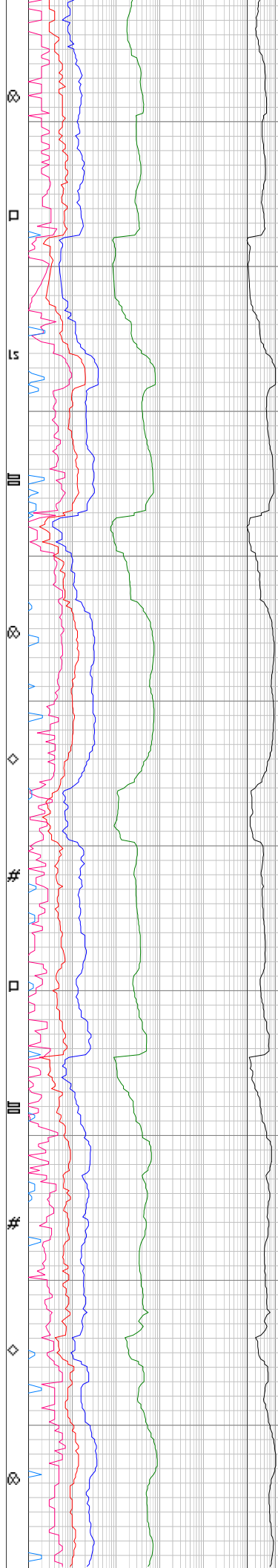
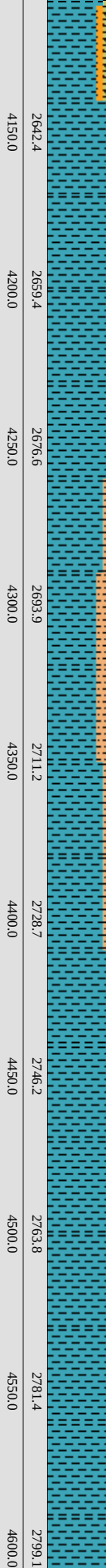
4422'MD
INCL:69.41°
AZ:220.28°
TVD:2736.4'
N: -2089.29'
E: -1810.85'

MW: 10.8ppg
VIS: 47
FIL: 6.2

4519'MD
INCL:69.38°
AZ:220.20°
TVD:2770.4'
N: -2158.35'
E: -1869.29'

4614'MD
INCL:69.28°
AZ:220.31°
TVD:2803.9'
N: -2226.05'
E: -1926.62'

PRODUCITOR (0 - 8209) It. OD = 5.5 in. N=80 (0.01 8209.0)



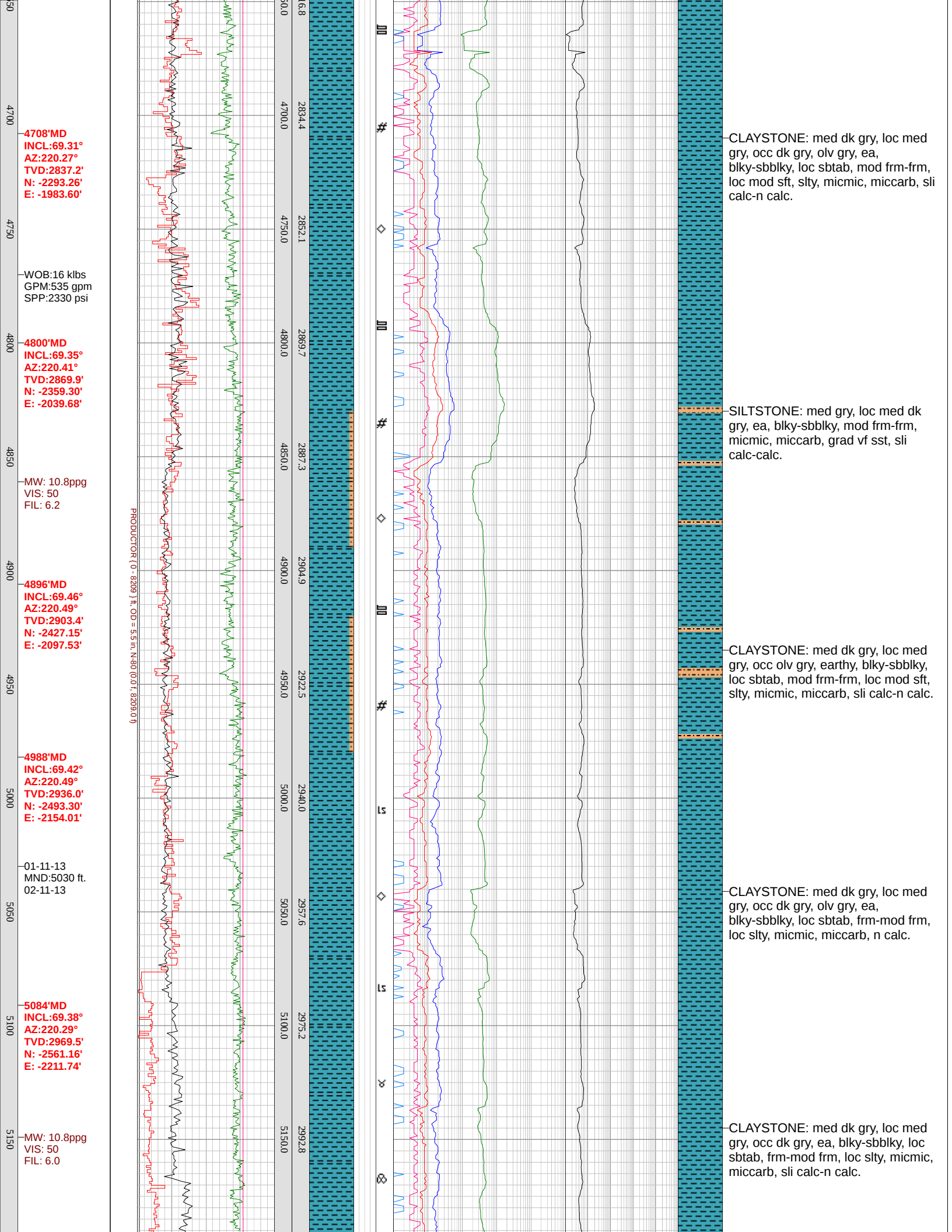
CLAYSTONE: med dk gry, med gry, occ olv gry, ea, blkly-sbblky, loc sbtab, occ sblam, mod frm-frm, loc mod sft, slty, micmic, miccarb, n calc.

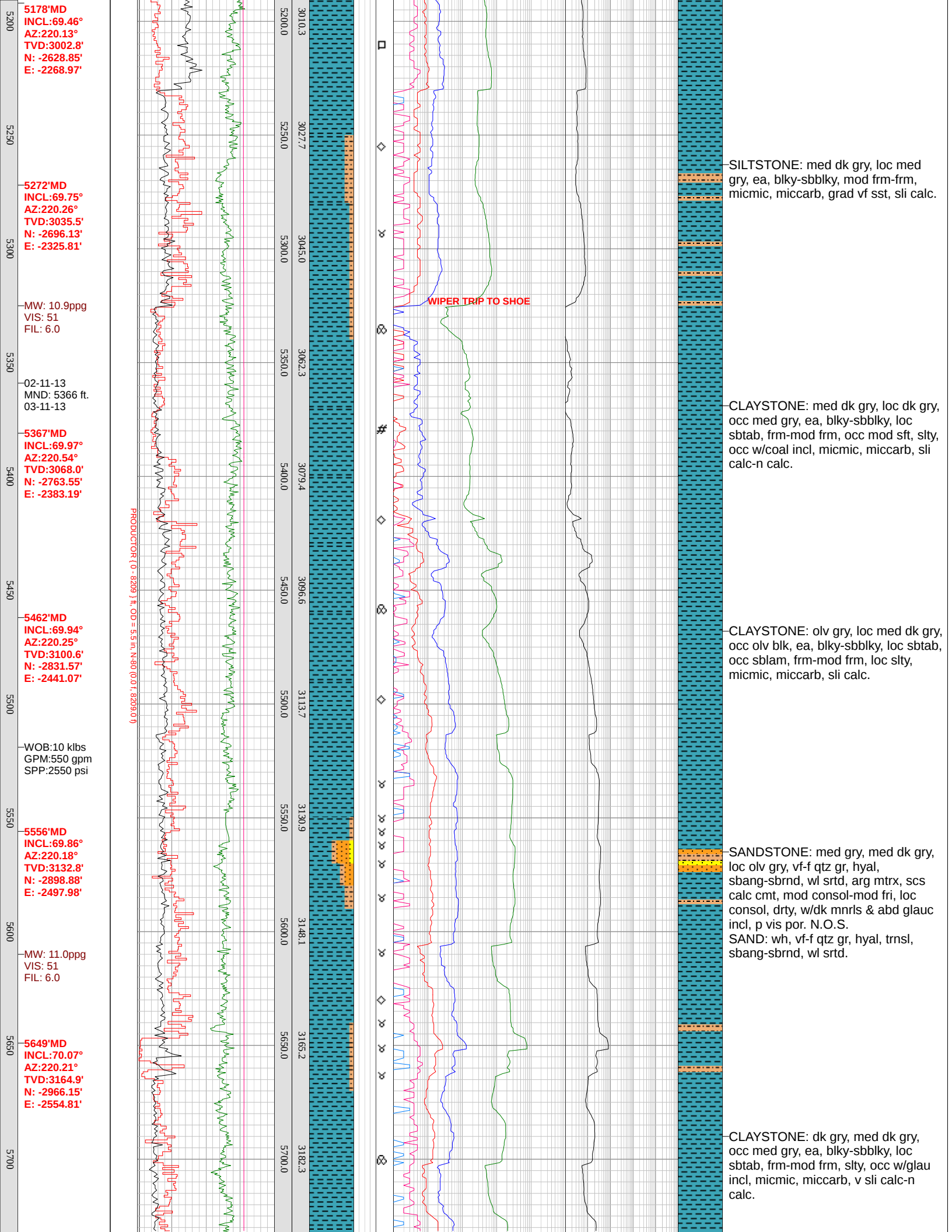
SILTSTONE: med gry, loc med dk gry, ea, blkly-sbblky, mod frm-frm, micmic, miccarb, grad vf sst, sli calc.

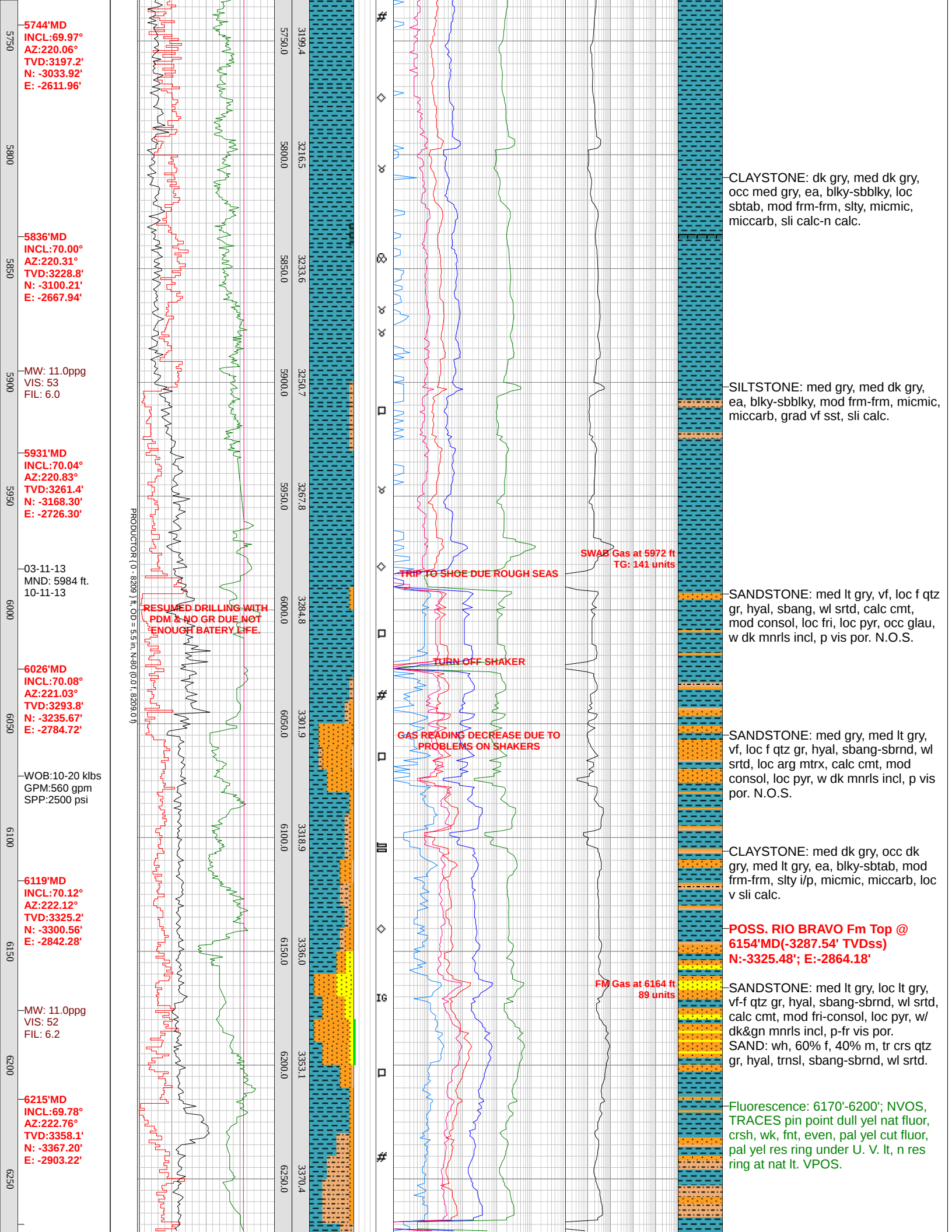
CLAYSTONE: med dk gry, loc med gry, occ olv gry, ea, blkly-sbblky, loc sbtab, mod frm-frm, loc mod sft, slty, v micmic, miccarb, n calc.

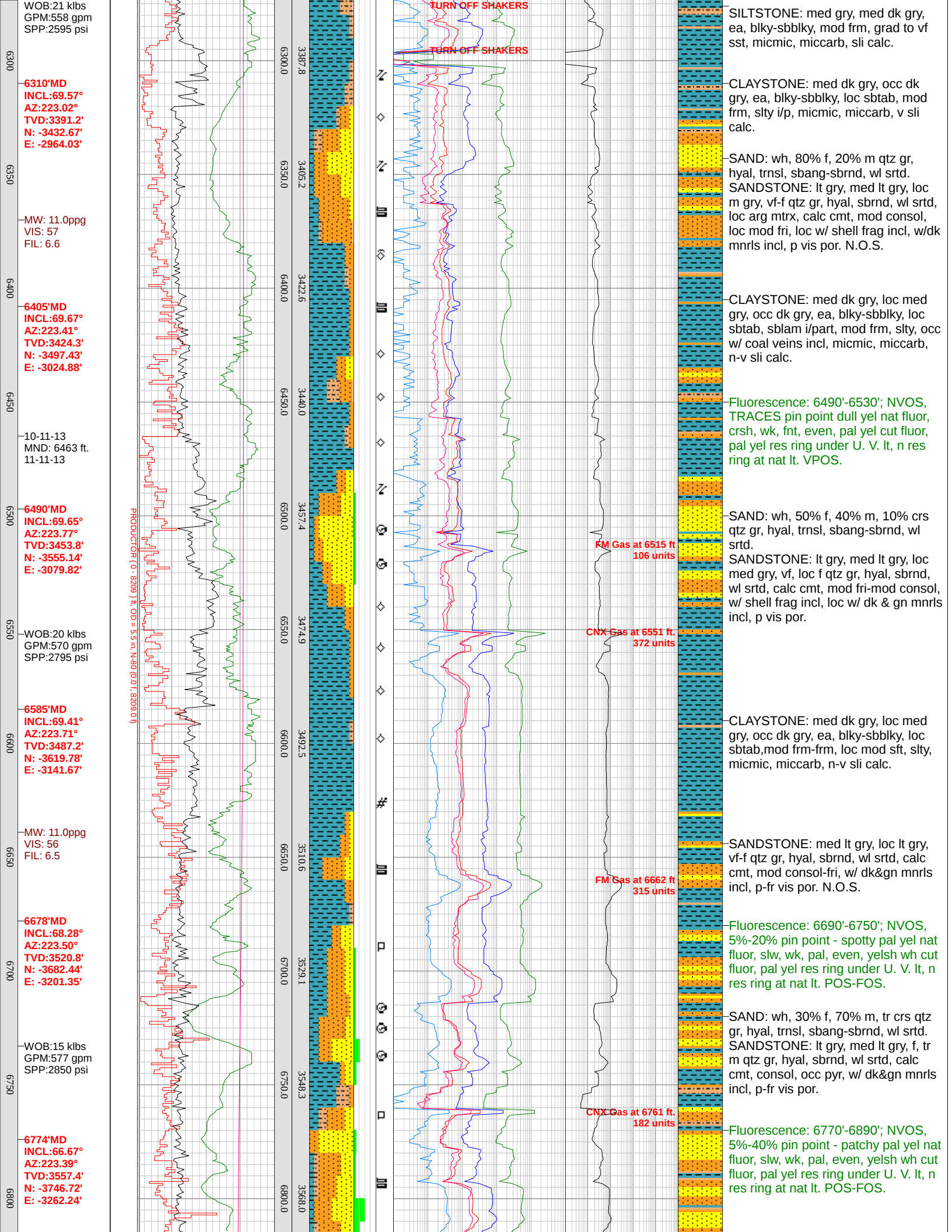
CLAYSTONE: med dk gry, loc med gry, occ olv gry, ea, blkly-sbblky, loc sbtab, mod frm-frm, loc mod sft, slty, v micmic, miccarb, sli calc i/p.

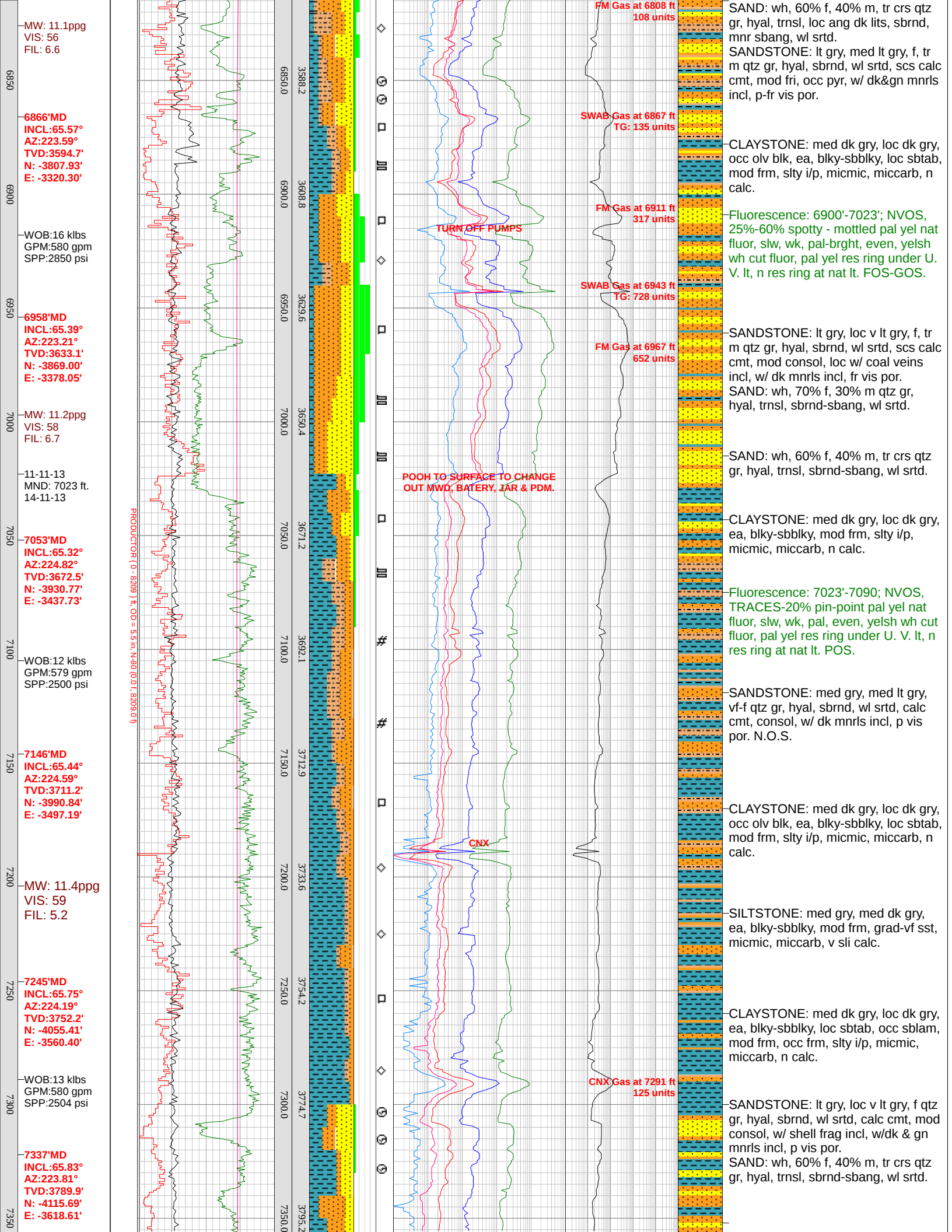
CLAYSTONE: med dk gry, loc med gry, occ olv gry, ea, blkly-sbblky, loc sbtab, mod frm-frm, loc mod sft, slty, v micmic, miccarb, sli calc i/p.











—CLAYSTONE: med dk gry, loc dk gry, ea, blky-sbblky, mod frm, slty i/p, micmic, miccarb, n calc.

