

WELL DATA

WELL NAME / CLASIFICACION	LO16-27D / DEVELOPMENT
CONTRACT	SERVICES
TOTAL MEASURED DEPTH, f	9952.0
TOTAL VERTICAL DEPTH (TVD), f	8238.3
COMPANIES: OPERATOR / PARTNERS	SAVIA / TGT-LAB.S.A.C.
COUNTRY / COUNTY	PERU / PIURA
FIELD	LOBITOS OFFSHORE
SURFACE COORDINATES	9505998.82 / 459445.74
SPUD DATE	20-Nov-13
T. D. DATE	26-Dic-13
INTERVAL LOGGED	495 - 9952 ft.
DRILLING RIG	PEPESA 44
DRILL FLOOR ELEVATION, f	50.00
GROUND LEVEL ELEVATION (GL), f	-309.00
BOTTOM COORDINATES	2339.73 / - 4740.39
CREW	R.OTOYA/E. SANTISTEBAN/O.OJEDA
WITNESSED BY	JOSE CORONADO
NOTE	MUD TYPE: KLA-SHIELD



Rock Types

	Shale		Limestone		Dolomite
	Claystone		Siltstone		Sandstone
	Conglomerate		Sand		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/l)	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

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 FRAGMENTS

Oil Shows

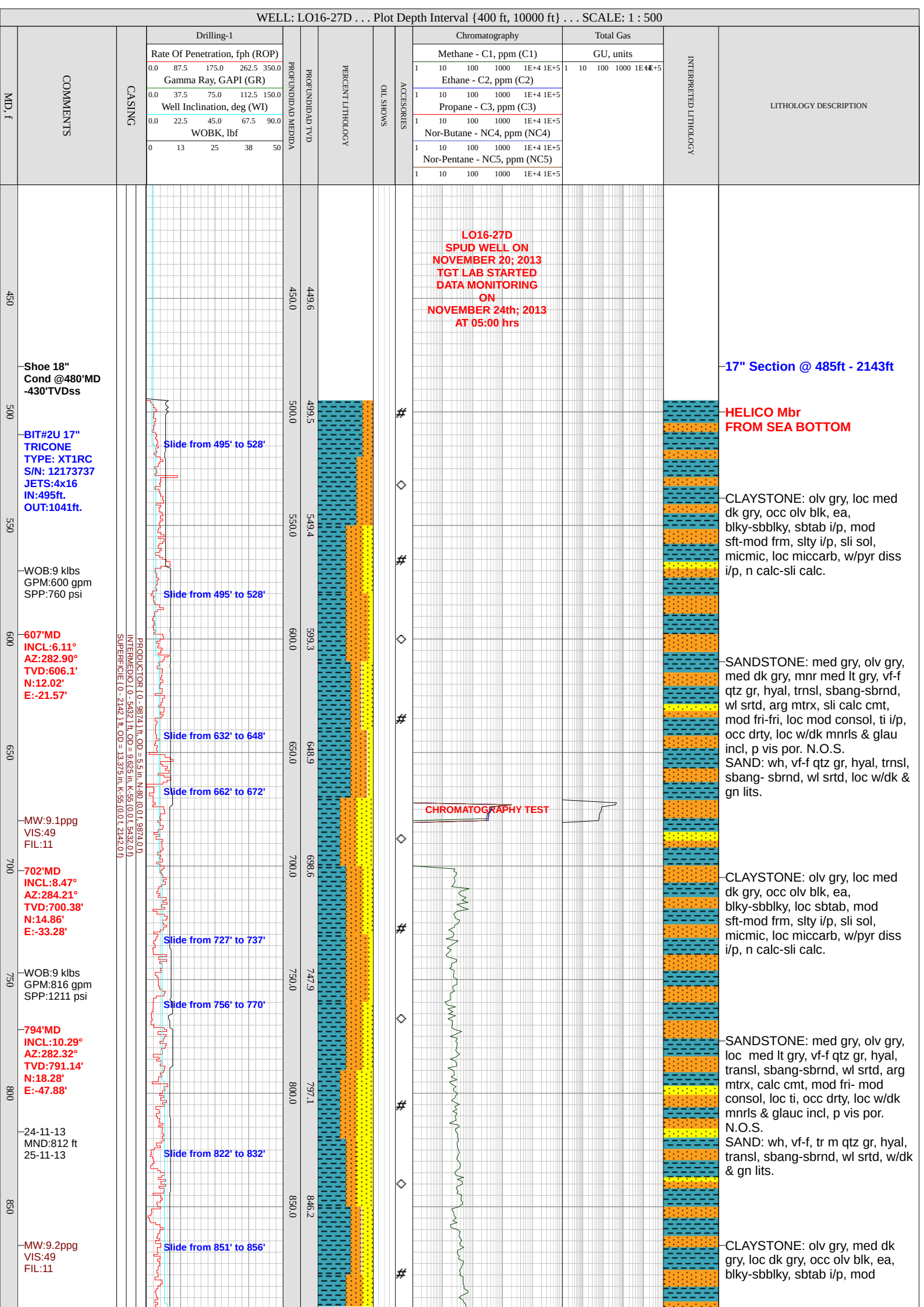
	TRACES		POOR		FAIR
	GOOD		VERY GOOD		

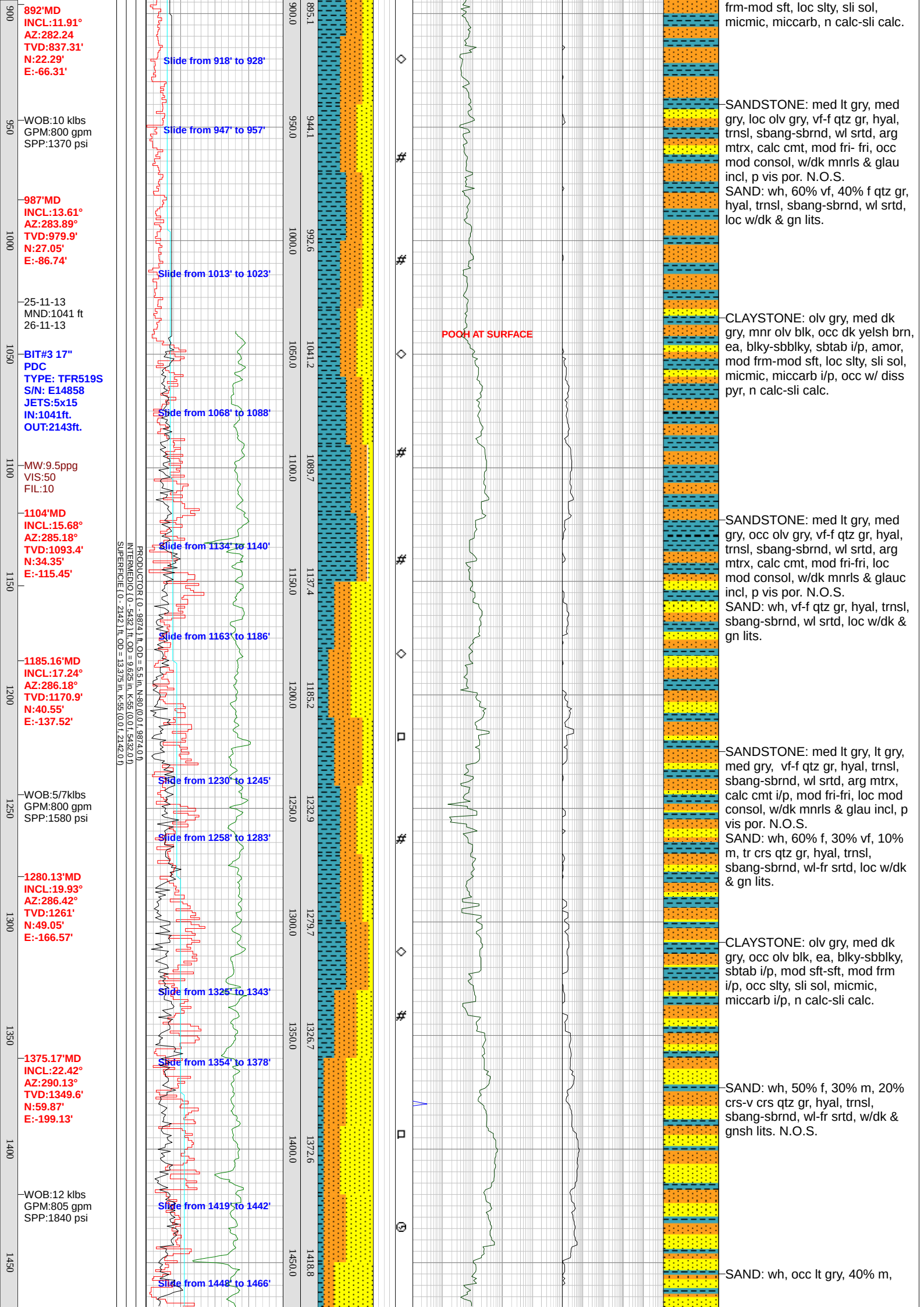
Contaminated Sample

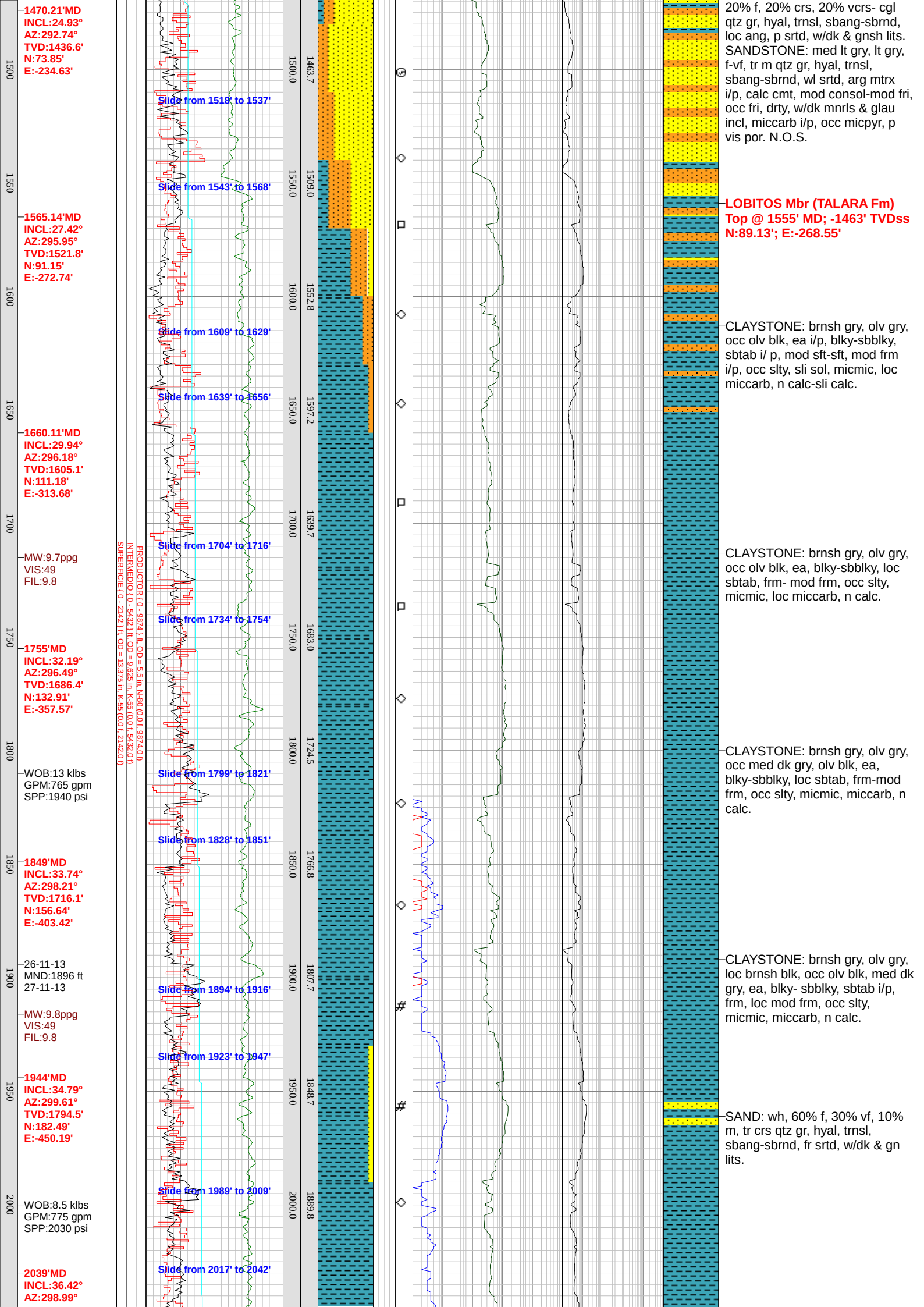
	VERY LOW (10%)		LOW (10-30)%		MODERATE (30-50)%
	HIGH (50-70)%		VERY HIGH (>70)%		

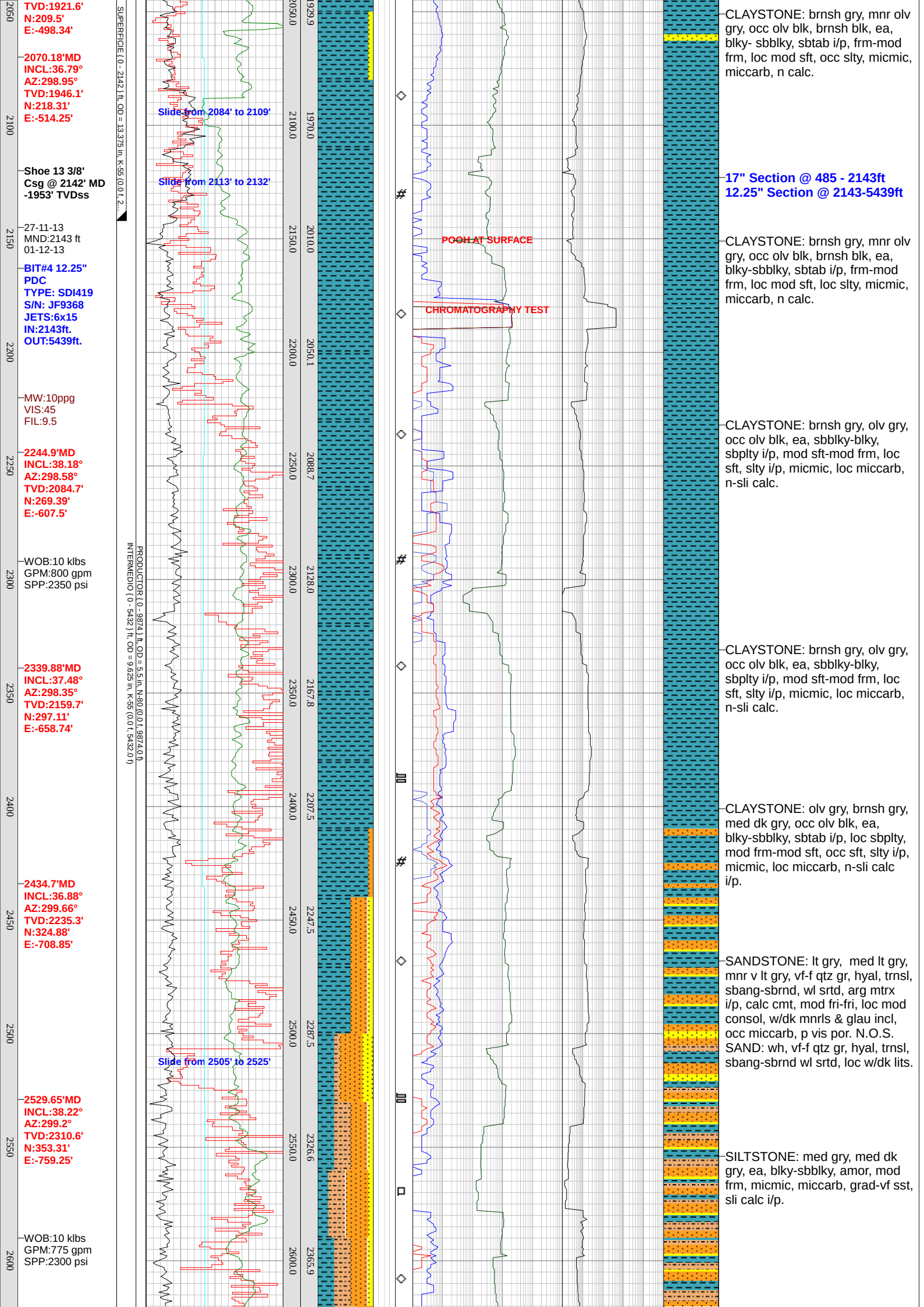
General Symbols

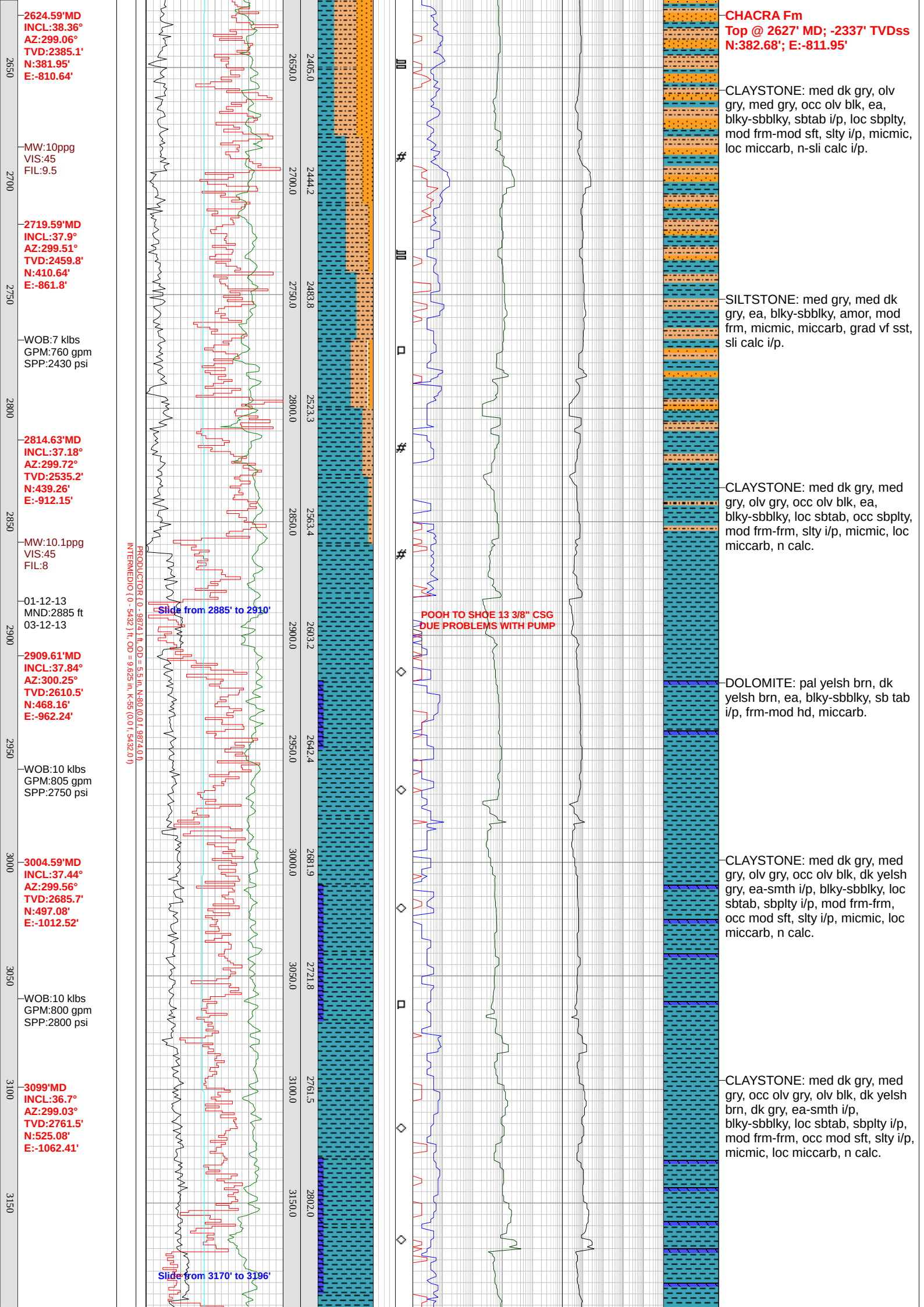
	SWC with oil		SWC without oil		Casing Shoe
	Normal Fault		Inverse Fault		Mud Gain
	Mud Loss		Bit Changed		Deviation Survey
	Formation Gas		Background Gas		Trip Gas or Swab Gas
	Connection Gas		Gas H2S		Gas CO2

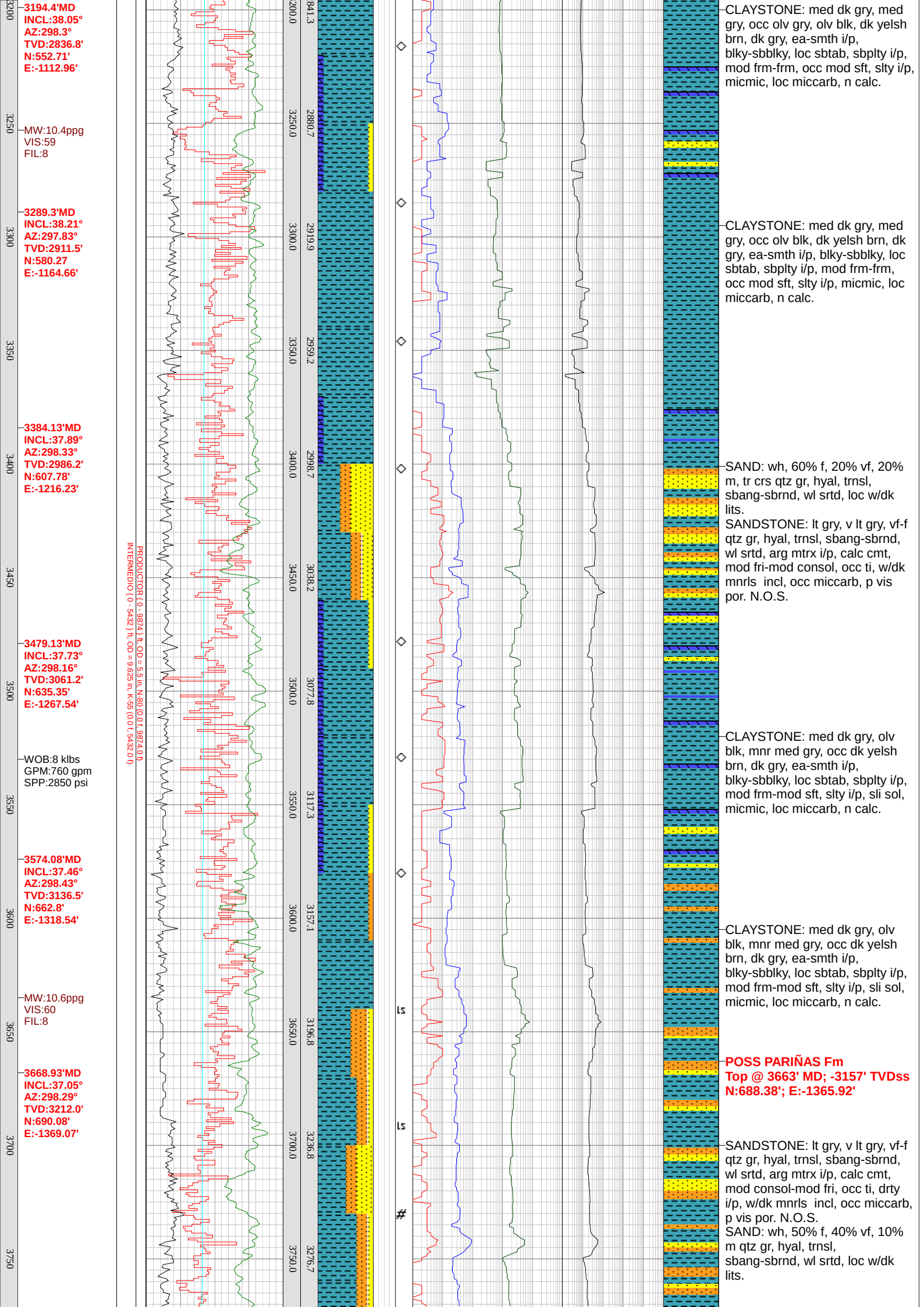


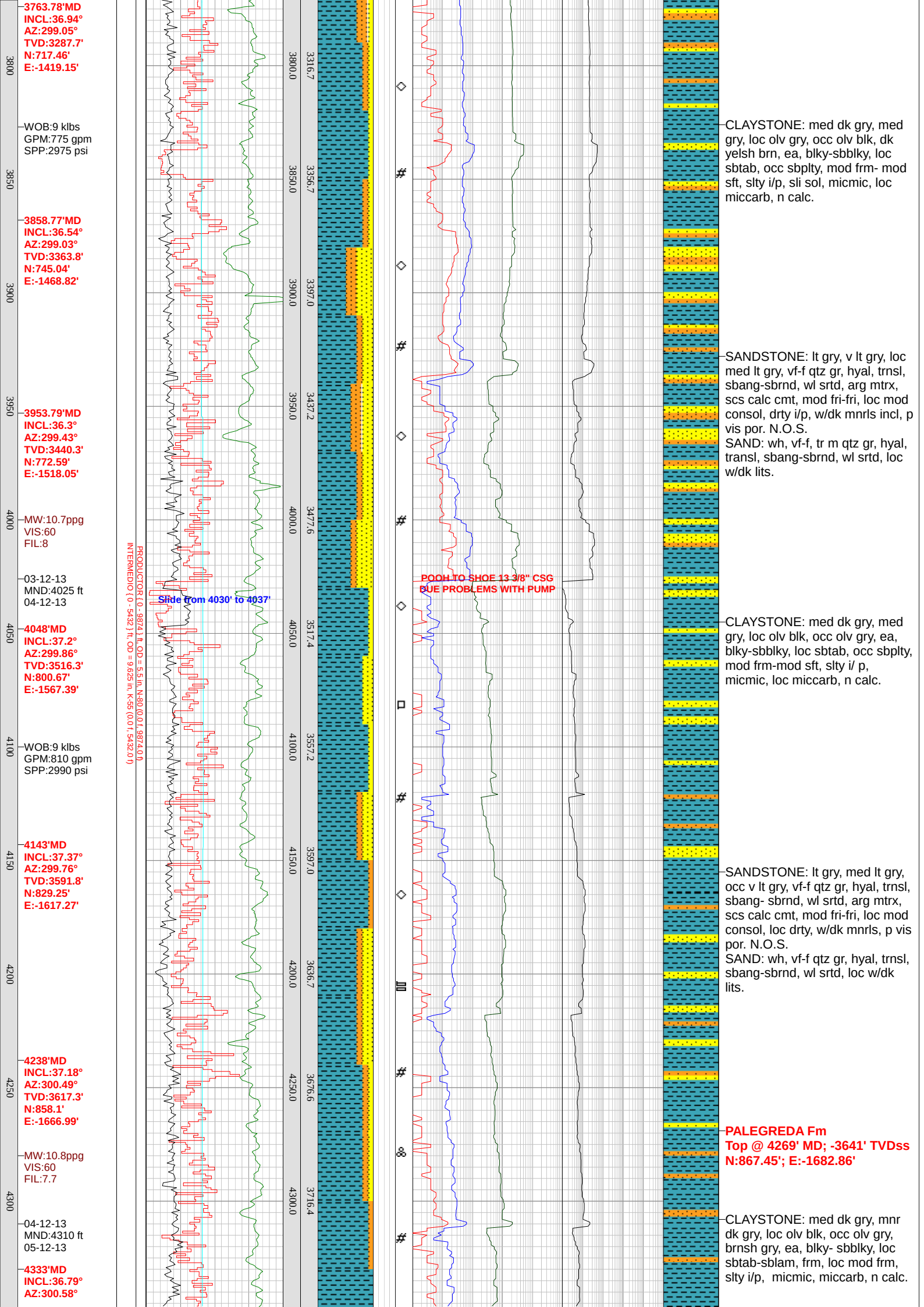






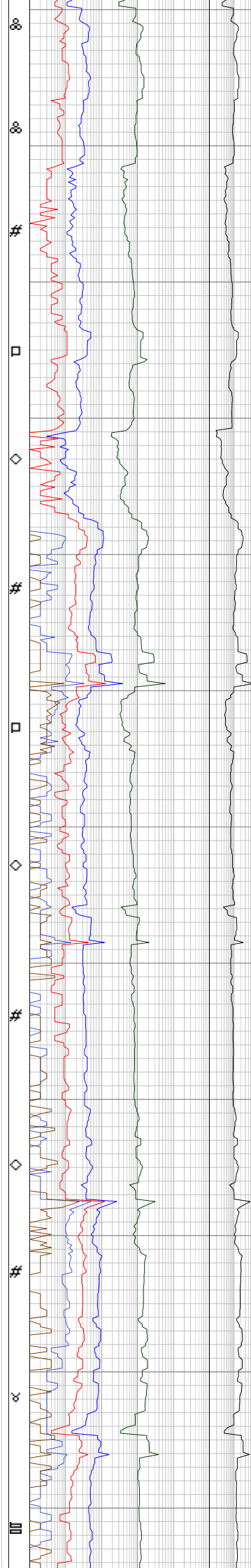
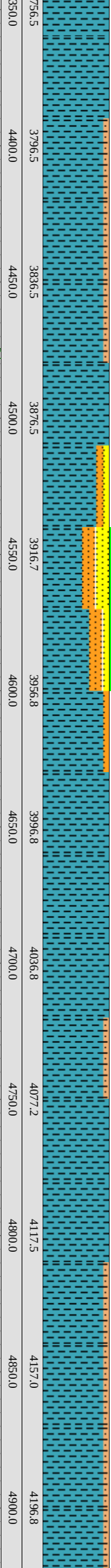
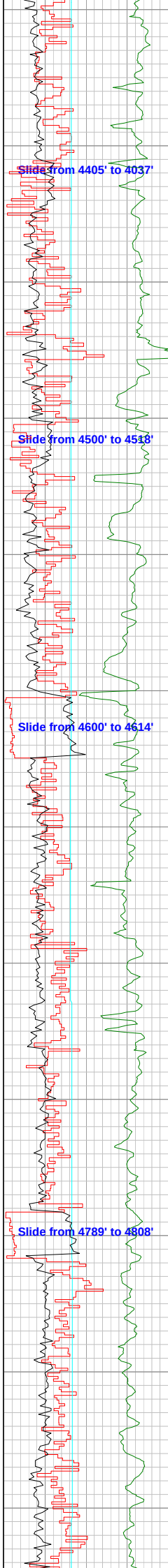






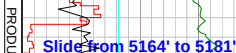
4909.33'MD
INCL:37.37°

Slide from 4789' to 4808'



—SILTSTONE: med gry, med dk gry, ea, blky-sbblky, amor, mod frm-frm, micmic, miccarb, grad vf sst i/p, sli calc.

BIT#5 8.5"
PDC
TYPE: SKHI519M
S/N: A175491
JETS:7X12



—From 5383ft to 5530ft Fluor:
NVOs, 5-20% pin point pal yel
nat fluor, slw-crush, wk, pal,

FM GAS at 5470 ft.
TG: 155.6 units

