

RIG MONITORING
FORMATION EVALUATION LOG

Country : Australia
Field : ZaneGrey / Gippsland Basin
Location : Lat: 38° 34' 31.64" South
Long: 147° 59' 16.27" East
Well : ZaneGrey-1 ST1
Company : Bass Strait Oil Company Ltd
Rig : Ocean Patriot

LOCATION

Latitude : 38° 34' 31.64" South
Longitude : 147° 59' 16.27" East
UTM Easting = 586,049.89 m
UTM Northing = 5,729,856.42 m

Other Services

Permanent Datum : Mean Sea Level Elevation : 0.00 m

Log Measured From : Drill Floor 21.50 m Above Permanent Datum

Drilling Measured From : Drill Floor

MD LOG

Depth Logged : 2,184.00 m To 3,107.00 m

Date Logged : 27-Jan-05 To 25-Feb-05

Total Depth MD : 3,107.00 m TVD: 2,706.20 m

Spud Date : 27-Jan-05

Unit No. : 197
Plot Type : Final
Plot Date : 22-Jun-05

Job No. : AUFEE0003564401


















Run No. 7
Size 216,000 mm
Borehole Record (MD)
From 2,184.00 m To 3,107.00 m

Run No.
Size
Borehole Record (MD)
From To





















Size 244,475 mm
Weight 69.94 kgpm
Casing Record (MD)
From SURFACE To 2,184.00 m

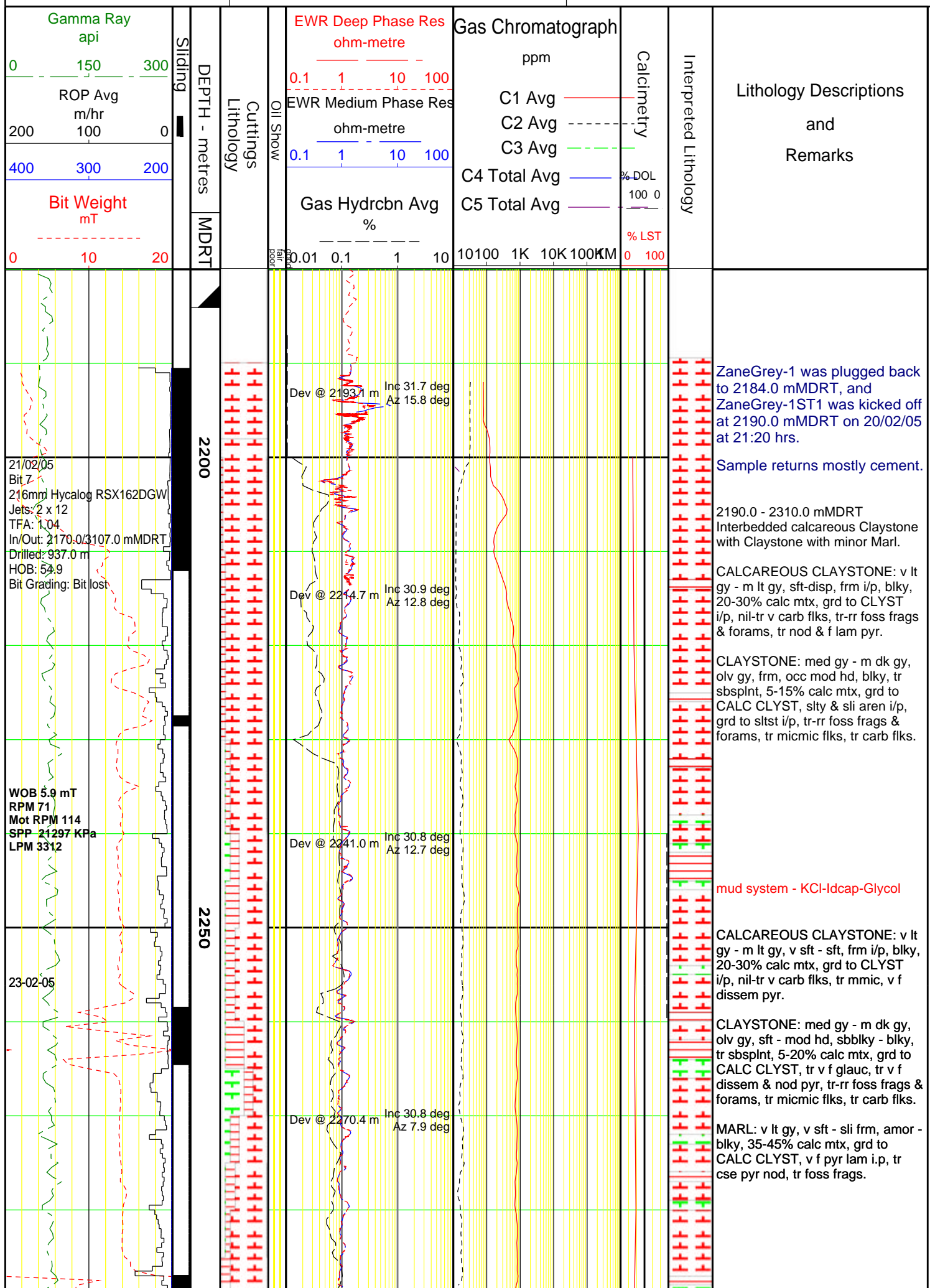
LEGEND

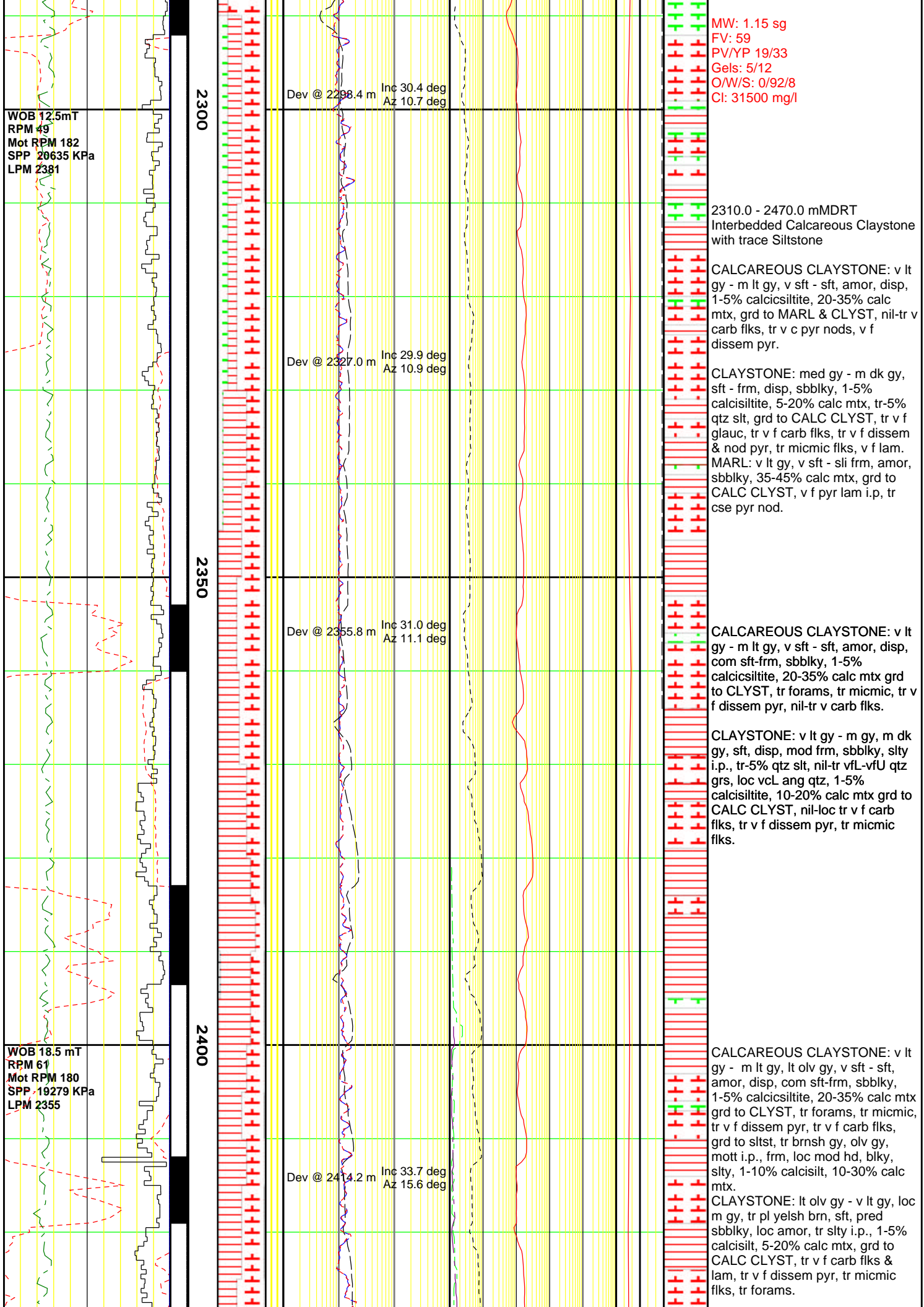
Abbreviations and Symbols

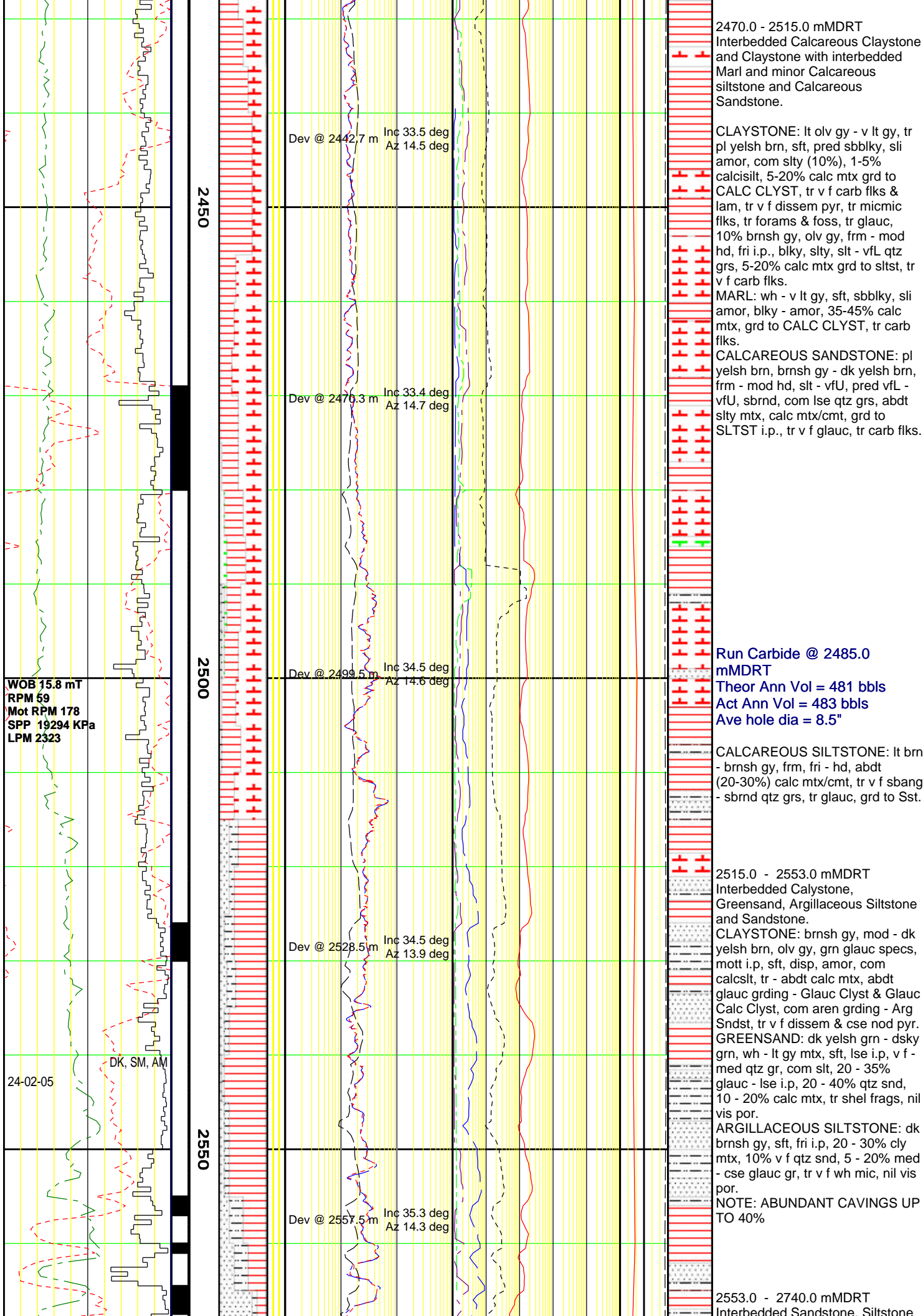
Drilling Data		Mud Data			
BG	Background Gas	Cl-	Chloride Ion Conc	Rm	Mud Resistivity
BHT	Bottomhole Temp	FC	Filter Cake	Rmf	Filtrate Resistivity
C	Carbide Test	FL	Filtrate Loss	S	Solids Content
CB	Core Bit	G	Gels	Vis	Funnel Viscosity
CG	Connection Gas	pH	Hydrogen Ion Content	MW	Mud Weight
CKF	Check For Flow	PV	Plastic Viscosity	YP	Yield Point
CO	Circulate Out	Engineering Data			
DB	Diamond Bit				
DC	Depth Correction		Core No.		Water
DS	Direction Survey		DST No.		Salt Water
DST	Drillstem Test		Casing Seat		Fresh Water
FLT	Flowline Temp.		Side Wall Core		Hydrocarbons Smell
LAT	Logged After Trip		Gas Traces		H2S Smell
NB	New Bit		Gas		Interval Tester
NR	No Returns		Oil Traces		Wireline Log Run
PDC	Polycrystalline Diamond		Oil		Leakoff Test
PR	Partial Returns		Pressure Integrity		
RPM	Revs Per Minute				
RRB	Rerun Bit				
STG	Short Trip Gas				
TB	Turbo Drill				
TG	Trip Gas				
U	Gas Units				
WOB	Weight On Bit				

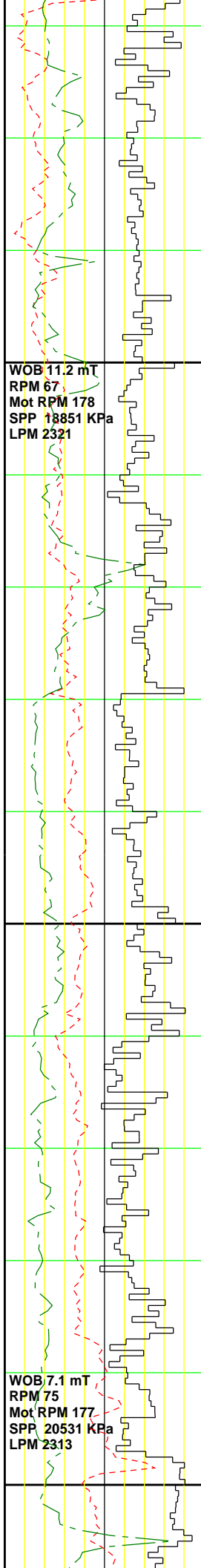
Lithology Symbols

	Sandstone		Calcisiltite
	Silty Sandstone		Calcarene
	Silt		Mudstone
	Siltstone		Marl
	Clay		Glauconitic Sandstone
	Claystone		Chert
	Calcareous Claystone		Conglomerate
	Limestone		Igneous
	Dolomite		Coal
	Calcilutite		No Sample









WOB 11.2 mT
RPM 67
Mot RPM 178
SPP 18851 KPa
LPM 2321

WOB 7.1 mT
RPM 75
Mot RPM 177
SPP 20531 KPa
LPM 2313

2600

2650

2700

Dev @ 2588.4 m Inc 36.3 deg
Az 14.0 deg

Dev @ 2671.6 m Inc 37.3 deg
Az 15.0 deg

Dev @ 2700.1 m Inc 37.5 deg
Az 15.5 deg

SANDSTONE: dk yelsh orng, mod - dk yelsh brn, sft, amor i.p, trnsp - trnsl, occ frst, yelsh orng, lse qtz gr i.p, pr std, rnd - ang, 20 - 30% cly mtz i.p, slty grds - Arg Sndst & Arg Sltst, pr inf por, n shw.

MW: 1.13 sg
FV: 61
PV/YP 18/34
Gels: 9/13
O/W/S: 0/93/7
Cl: 31500 mg/l

SANDSTONE: pred trnsl - frst, v lt gy, loc clr, tr v pl orng (stn), lse qtz gr, vfU - vcL, pred mU-cl, mod srt, pred sbang - sbrnd, com sbrnd - rnd crs grs, v gd inf por, n shw.

SILTSTONE: gysh brn, dk yelsh brn, dk yelsh orng, sft, fri, cmbly, wsh out, 5 - 20% arg mtz grd to SLTY CLYST, mic, tr carb mat & lam, mnr v f qtz grs.

CLAYSTONE: pred wh - lt gy, lt brnsh gy - dk yelsh brn, sft, amor, wsh out, tr - 20% qtz slt & snd grs, grd to SLTST i.p., non calc. Note: claystone and siltstone washing out in mud.

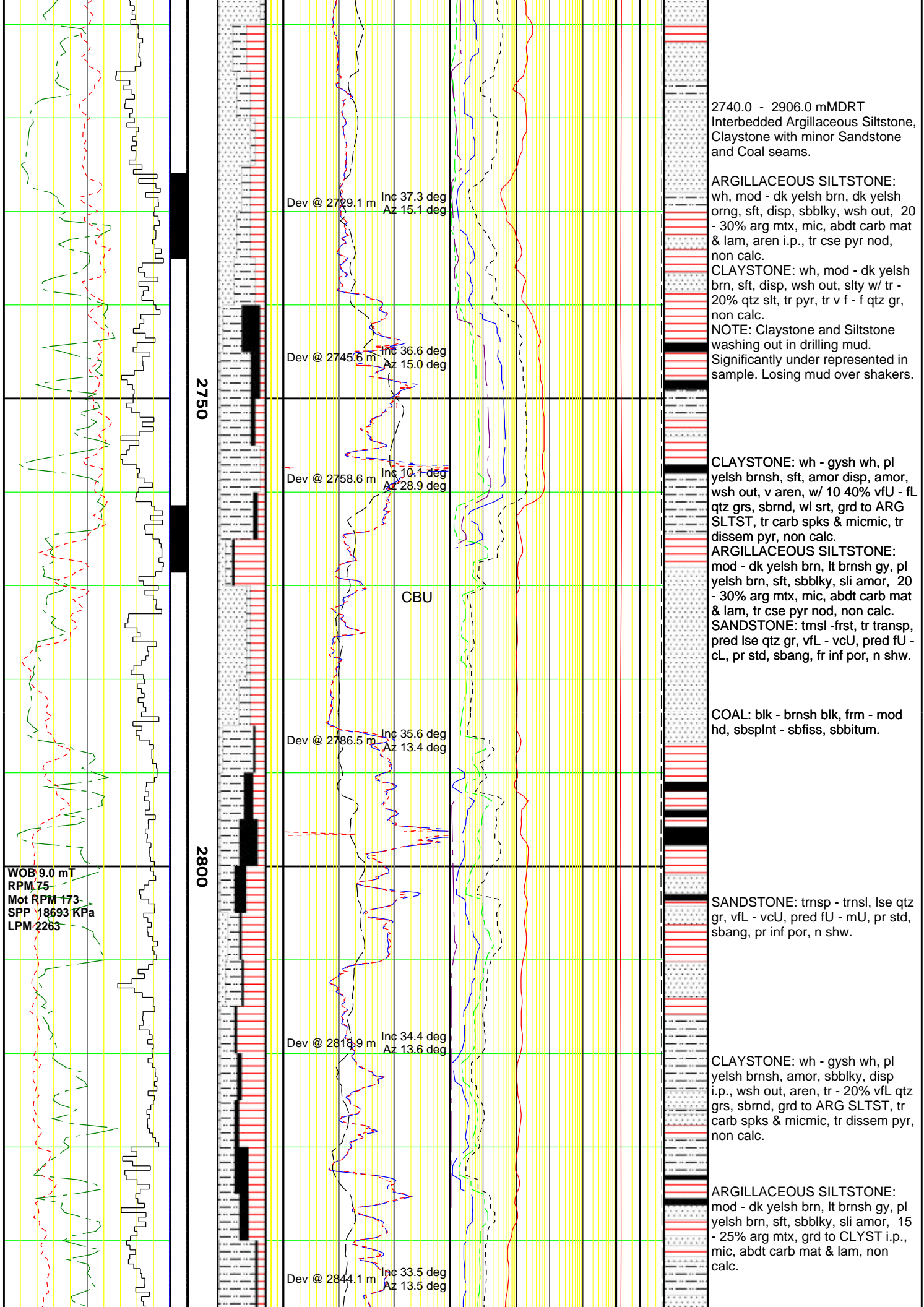
SANDSTONE: v lt gy, trnsl, occ clr, tr v pa orng - dk yelsh orng, lse qtz gr, pr std, f - v cse gr, sbang - ang, tr pyr cmt aggr, tr cse mic flks, v gd inf por, n shw.

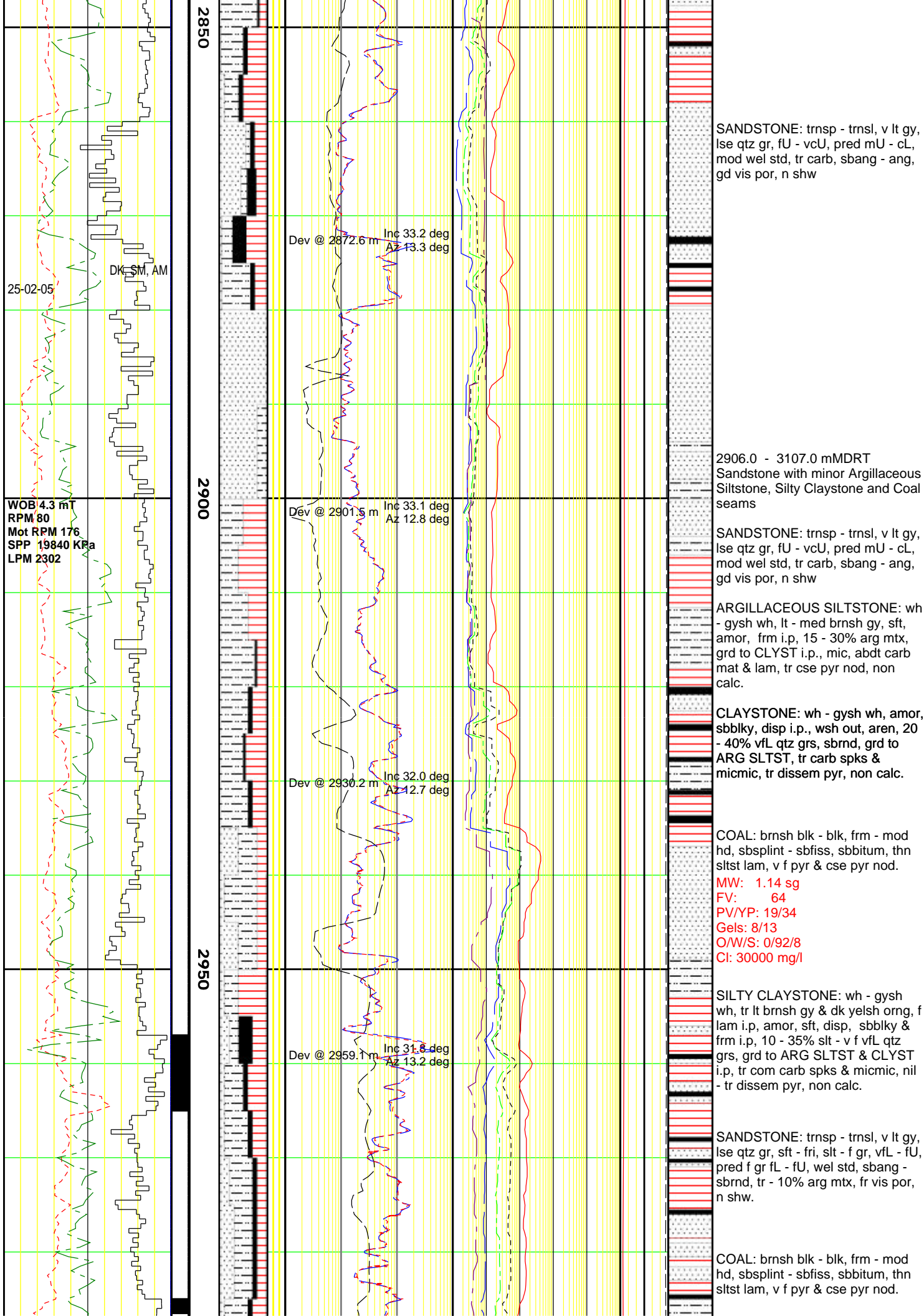
ARGILLACEOUS SILTSTONE: mod - dk yelsh brn, sft, fri, sbblky, 20 - 30% arg mtz, mic, abdt carb mat & lam, aren w/ 5 - 10% v f - med qtz gr, tr cse pyr nod, non calc.

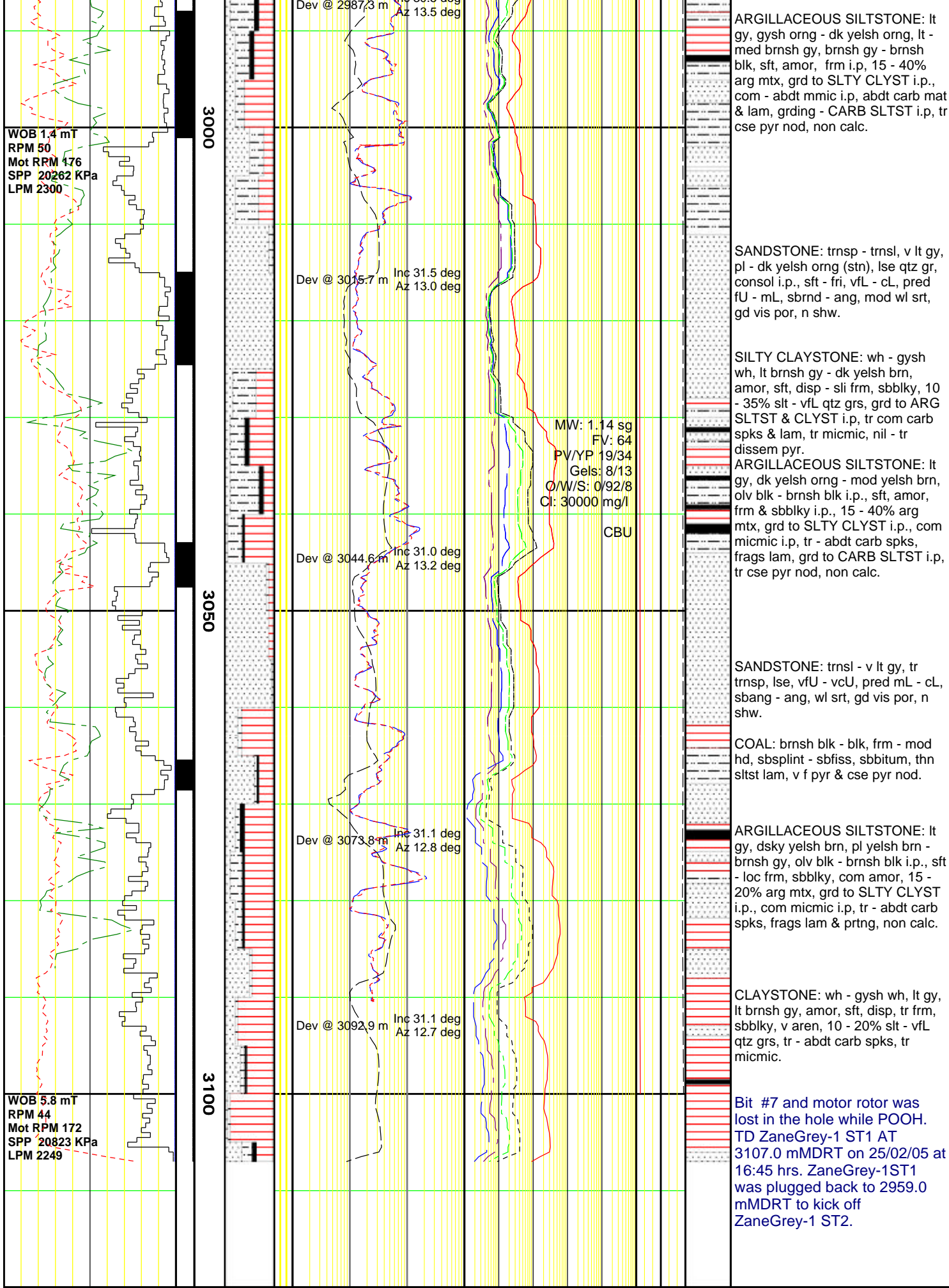
CLAYSTONE: wh - lt gy, lt brnsh gy - mod brn, dk yelsh orng, com lam, sft, disp, amor, sbblky i.p, sft, tr - 20% qtz slt, grds - Arg Sltst i.p, tr carb mat, carb lam, tr pyr, tr - rr v f - cse qtz gr, non calc.

NOTE: Claystone and Siltstone washing out in mud.

SANDSTONE: trnsl - frst, v lt gy, loc clr, lse qtz gr, tr opq, tr v pl orng stn i.p., fU-vcL, brkn grs, pred fU - cU, (pbbly), pr std, pred sbang - ang, com sbrnd - rnd crs grs w/ ang frac, tr pyr cmt aggr & nods, tr mic flks, v gd inf por, n shw.







Bit #7 and motor rotor was lost in the hole while POOH. TD ZaneGrey-1 ST1 AT 3107.0 mMDRT on 25/02/05 at 16:45 hrs. ZaneGrey-1ST1 was plugged back to 2959.0 mMDRT to kick off ZaneGrey-1 ST2.

ROP Avg m/hr			EWR Medium Phase Res			C1 Avg			Interpreted Lithology	Lithology Descriptions and Remarks
200 100 0			ohm-metre			C2 Avg				
400 300 200			0.1 1 10 100			C3 Avg				
Bit Weight mT			Gas Hydrclbn Avg			C4 Total Avg				
0 10 20			%			C5 Total Avg				
MDRT			0.01 0.1 1 10			10100 1K 10K 100KM			Lithology Descriptions and Remarks	
DEPTH - metres			Oil Show			C1 Avg				
Cuttings Lithology			Fair			C2 Avg				
MDRT			Poor			C3 Avg				
MDRT			Good			C4 Total Avg				