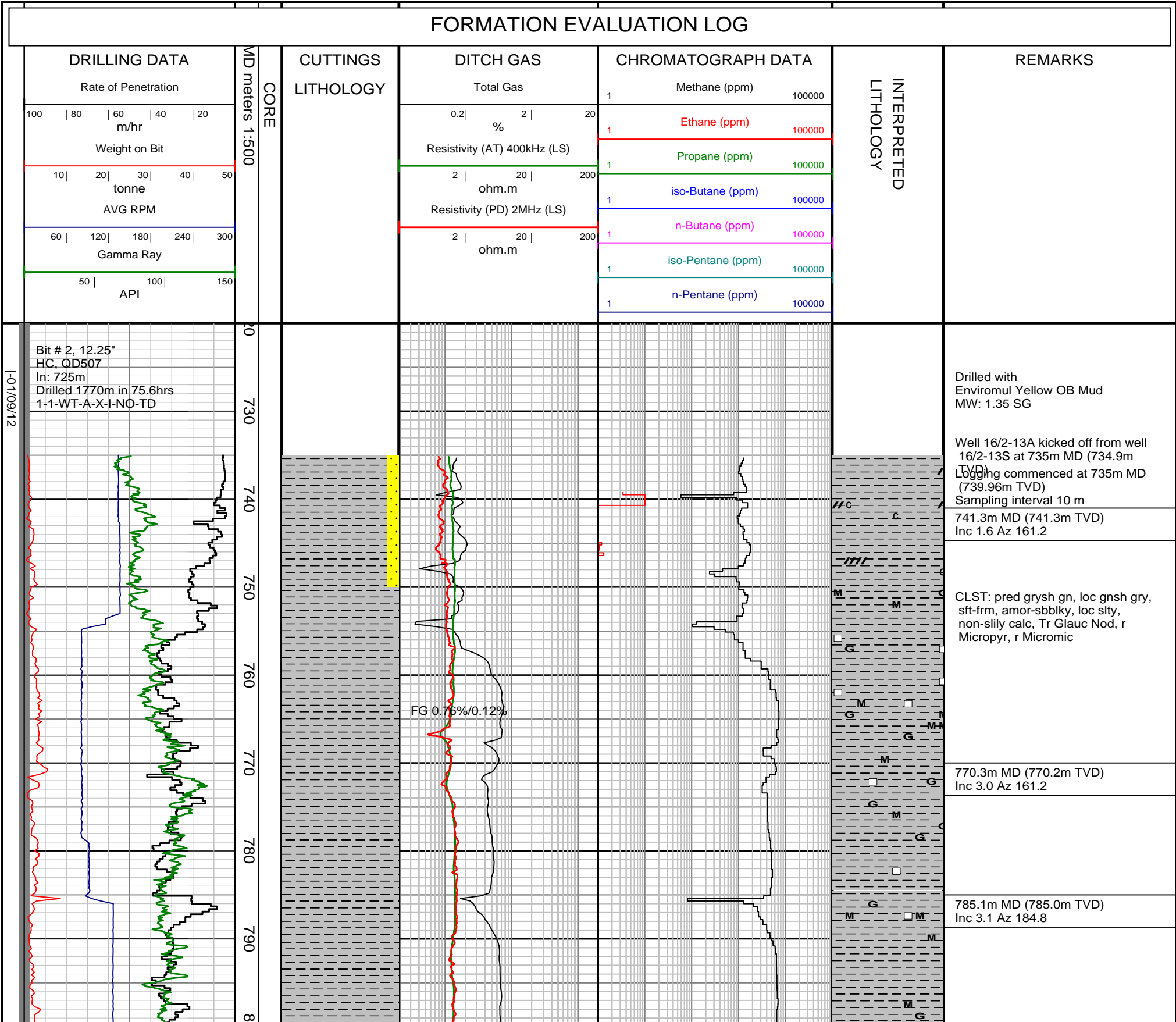


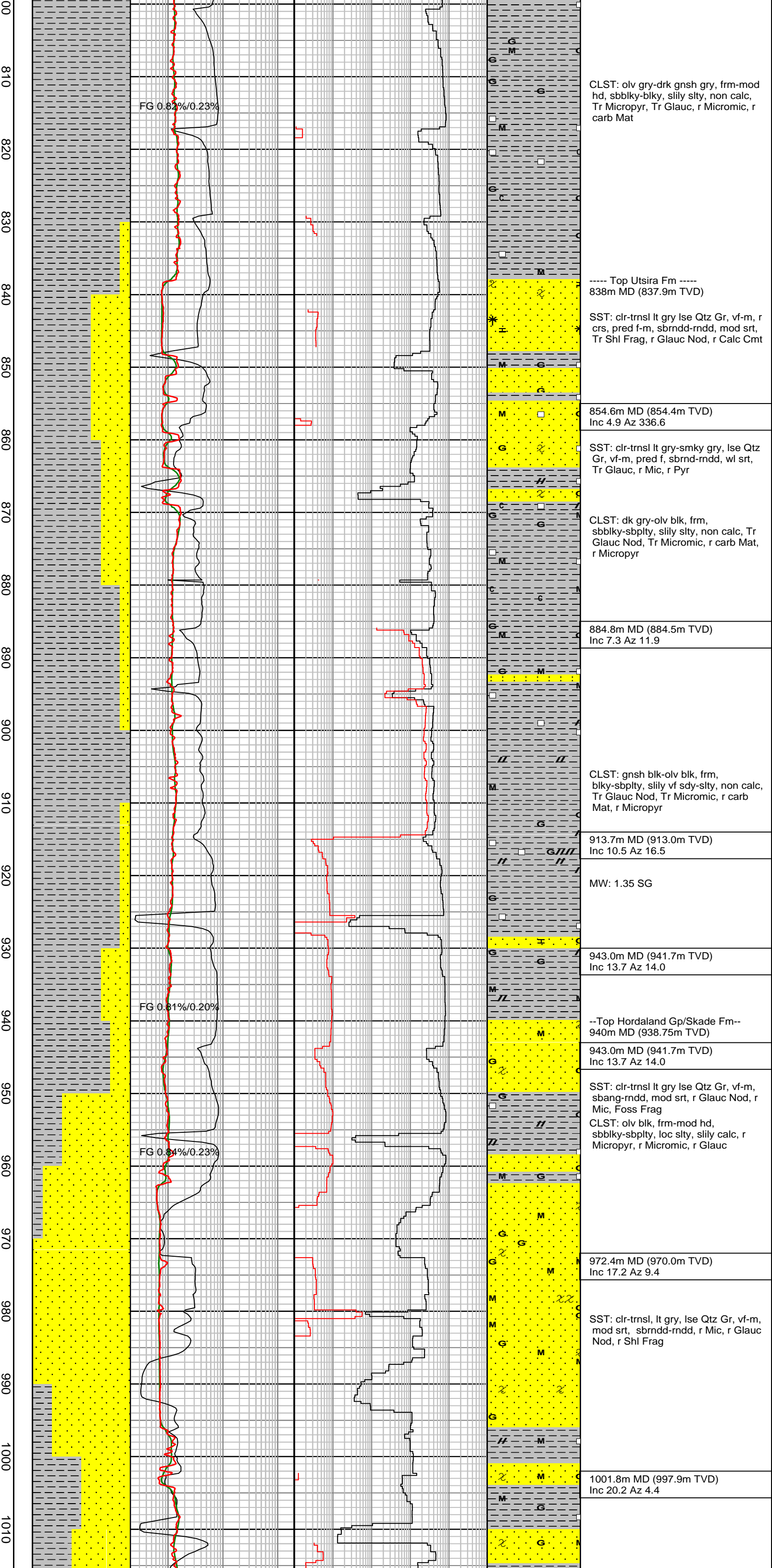


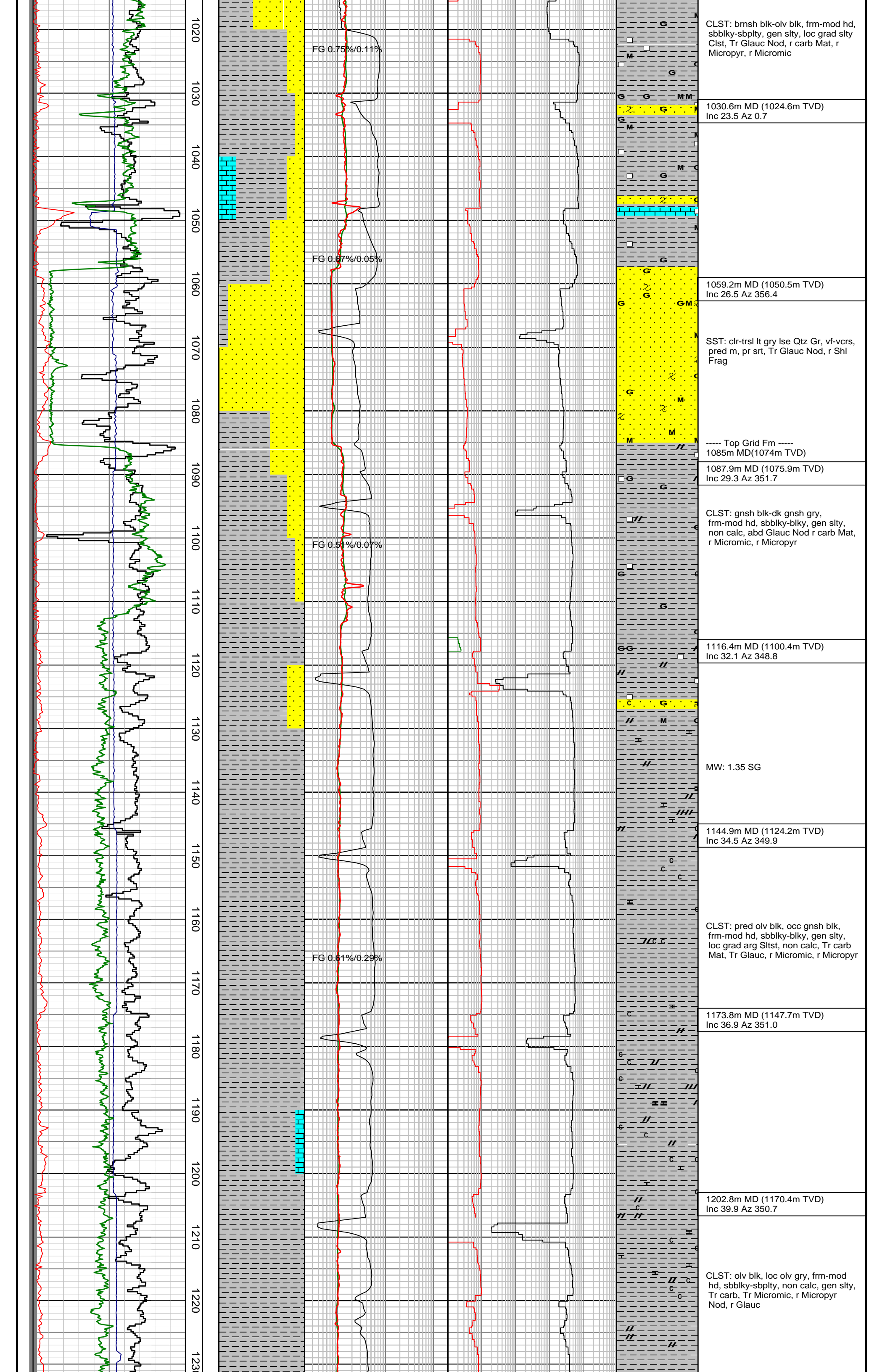
Formation Evaluation Log

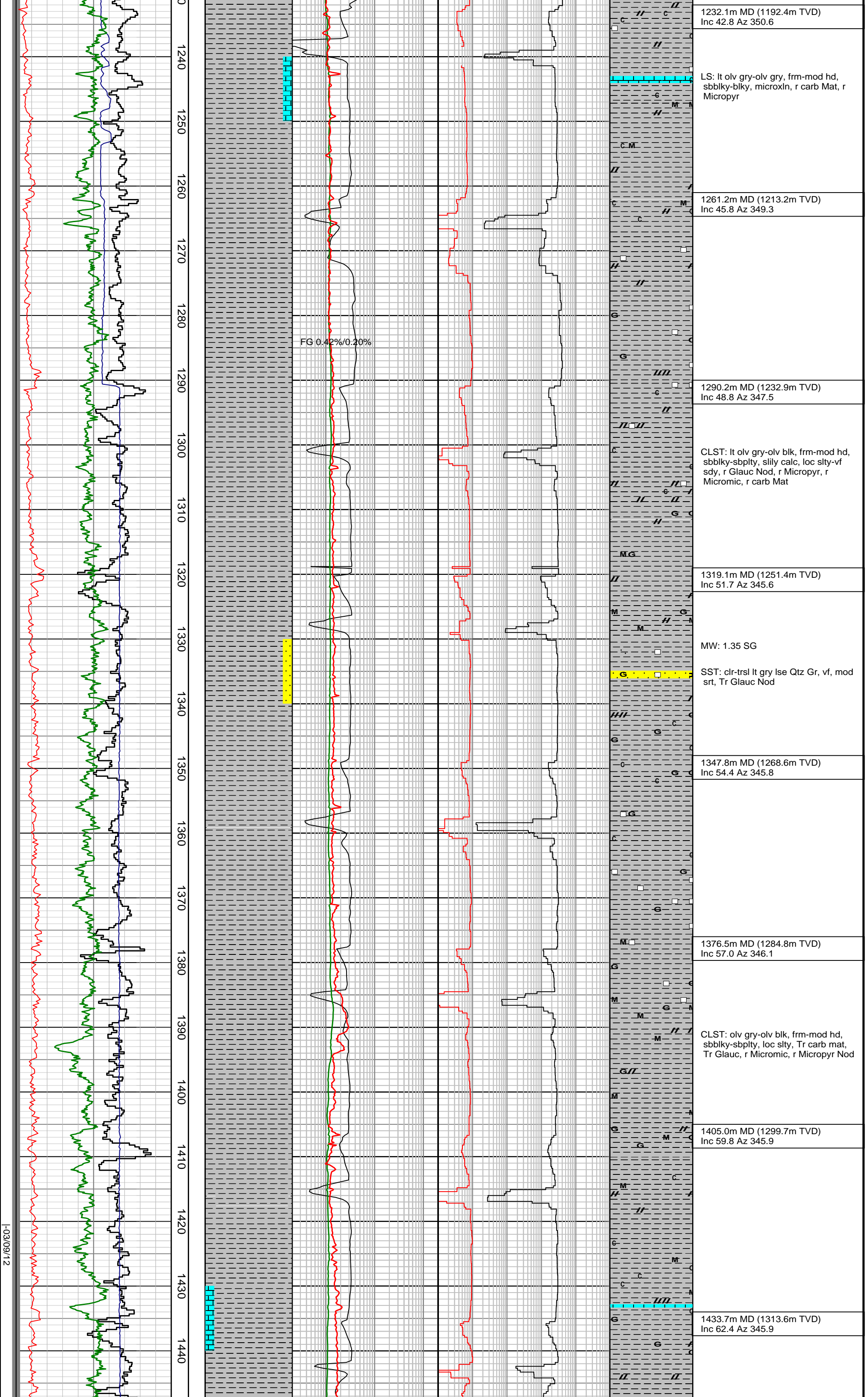
<div>CompanyLundin Norway AS</div> <div>Well16/2-13 A</div> <div>FieldJohan Sverdrup</div> <div>Norway</div> <div>Well Location:58° 49' 58.455" N</div> <div>2° 39' 10.263" E</div> <div>NOR Number2139</div> <div>Spud Date30/aug/12</div> <div>RKB-Fluids24 m</div> <div>RKB-Seabed140 m</div> <div>ContractorTransocean-Sedco Drilling Co</div> <div>RigTransocean Arctic</div> <div>Installation TypeSemi-Submersible</div> <div>Depth Out2776 m</div> <div>Vdepth Out2776 m</div> <div>Completion Statusn/a</div> <div>LOG INTERVAL</div> <div>Depth In735 mTo2776 m</div> <div>MWD Start735 mTo2776 m</div> <div>Scale1:500</div> <div>BAKER HUGHES CREW</div> <div>Unit No.427</div> <div>Data EngineersS.PettersenA.Nygaard</div> <div>A.StrandT.Tie</div> <div>Logging EngineersT.HalhjemI.Gundby</div> <div>M.GriffinE.KalstøT.Baghirov</div>				BOREHOLE RECORD						BAKER HUGHES LOG SUITE			
				12.25 in. To 2495 m / 1849 m TVD						Formation Evaluation Log			
				8.5 in. To 2776 m / 2101.7 m TVD						Engineering Summary Log			
				To / TVD						Gas Ratio Log			
				To / TVD						Drilling Data Pressure Log			
				To / TVD									
				CASING RECORD						ABBREVIATIONS			
				9.625 in. To 2487.5 m / 1842.6 m TVD						NB New Bit SWG Swab Gas			
				To / TVD						RRB Rerun Bit SVG Survey Gas			
				To / TVD						CB Core Bit GWR Gas Water Ratio			
To / TVD						WOB Weight On Bit MW Mud Density							
To / TVD						RPM Revs Per Minute V Funnel Viscosity							
To / TVD						FLC Flow Check F Filtrate API							
To / TVD						PR Poor Returns FC Filter Cake							
To / TVD						NR No Returns PV Plastic Viscosity							
To / TVD						LAT Logged After Trip YP Yield Point							
To / TVD						BG Background Gas SOL Solids							
To / TVD						FG Formation Gas SD Sand							
To / TVD						TG Trip Gas CI Salinity							
To / TVD						WTG Wiper Trip Gas OWR Oil Water Ratio							
To / TVD						CG CG ES Electric Stability							
MUD TYPE													
Enviromul Yellow OB Mud To 2776 m / 2101.7 m TVD													
To / TVD													
To / TVD													
To / TVD													
To / TVD													
To / TVD													
QUALIFIER SYMBOLS													
<div><div>I</div><div>Z</div><div>M</div><div>K</div><div></div></div>													
<div>CalcareousDolomiticMicaKaolinitePyrite</div>													
<div><div>*</div><div>C</div><div></div><div>▼▼</div><div>V</div></div>													
<div>GlaucaniticCarbonaceousFossil fragsChertTuff</div>													
LITHOLOGY SYMBOLS													
<div><div></div><div></div><div></div><div></div><div></div></div>													
<div>LimestoneDolomiteChalkSandstoneSiltstone</div>													
<div><div></div><div></div><div></div><div></div><div></div></div>													
<div>ShaleClaystoneCoalHaliteAnhydrite</div>													
						SYMBOLS							
						<div><div></div><div>Casing shoe</div><div></div><div>Test Interval</div></div>							
						<div><div></div><div>Core Interval</div><div></div><div>Wireline Logs</div></div>							
						<div><div></div><div>No Recovery</div><div></div><div>SideWall Core</div></div>							
						<div><div></div><div>Wireline test</div><div></div><div>Sidewall Core</div></div>							
						<div><div></div><div>No Recovery</div></div>							

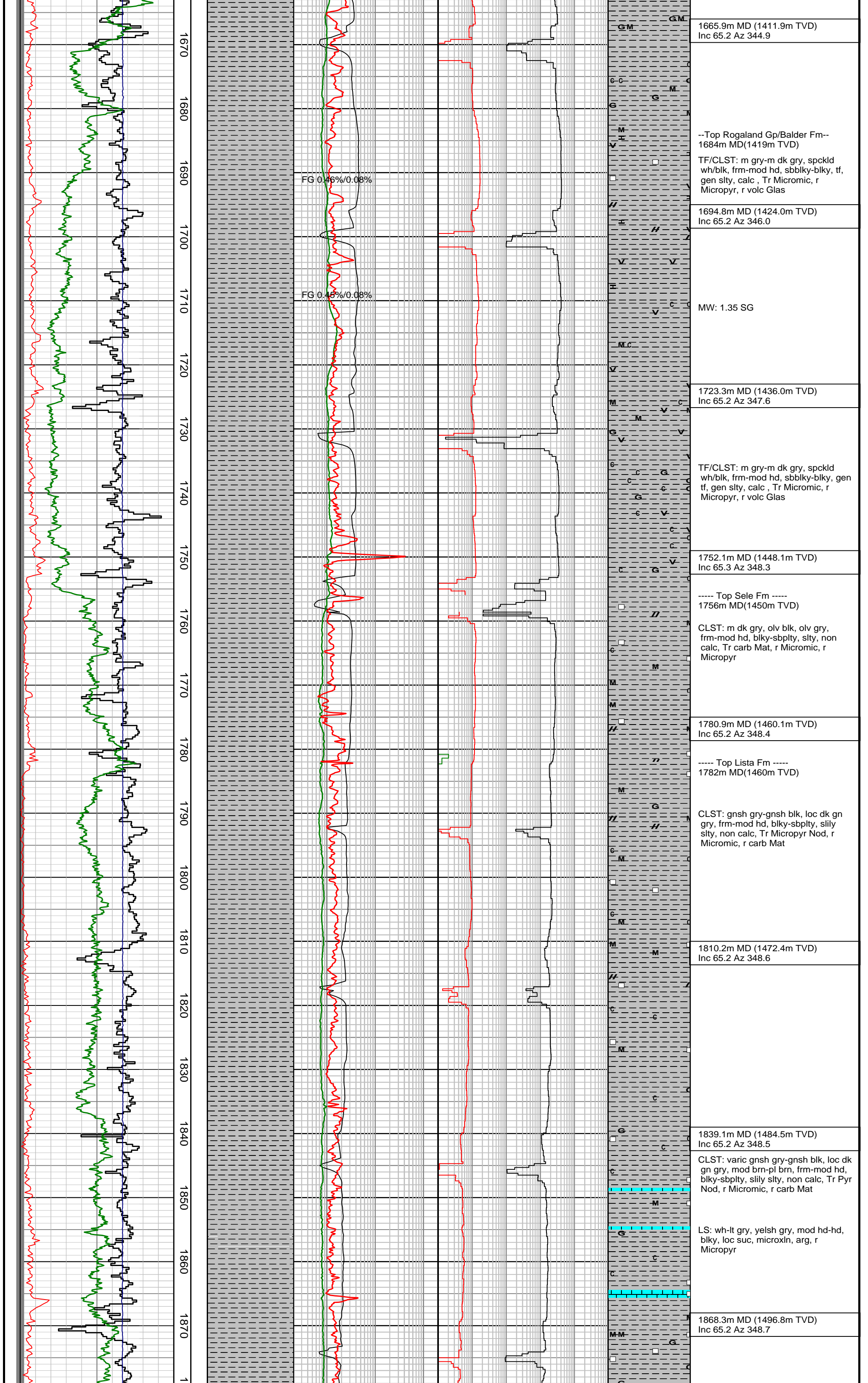


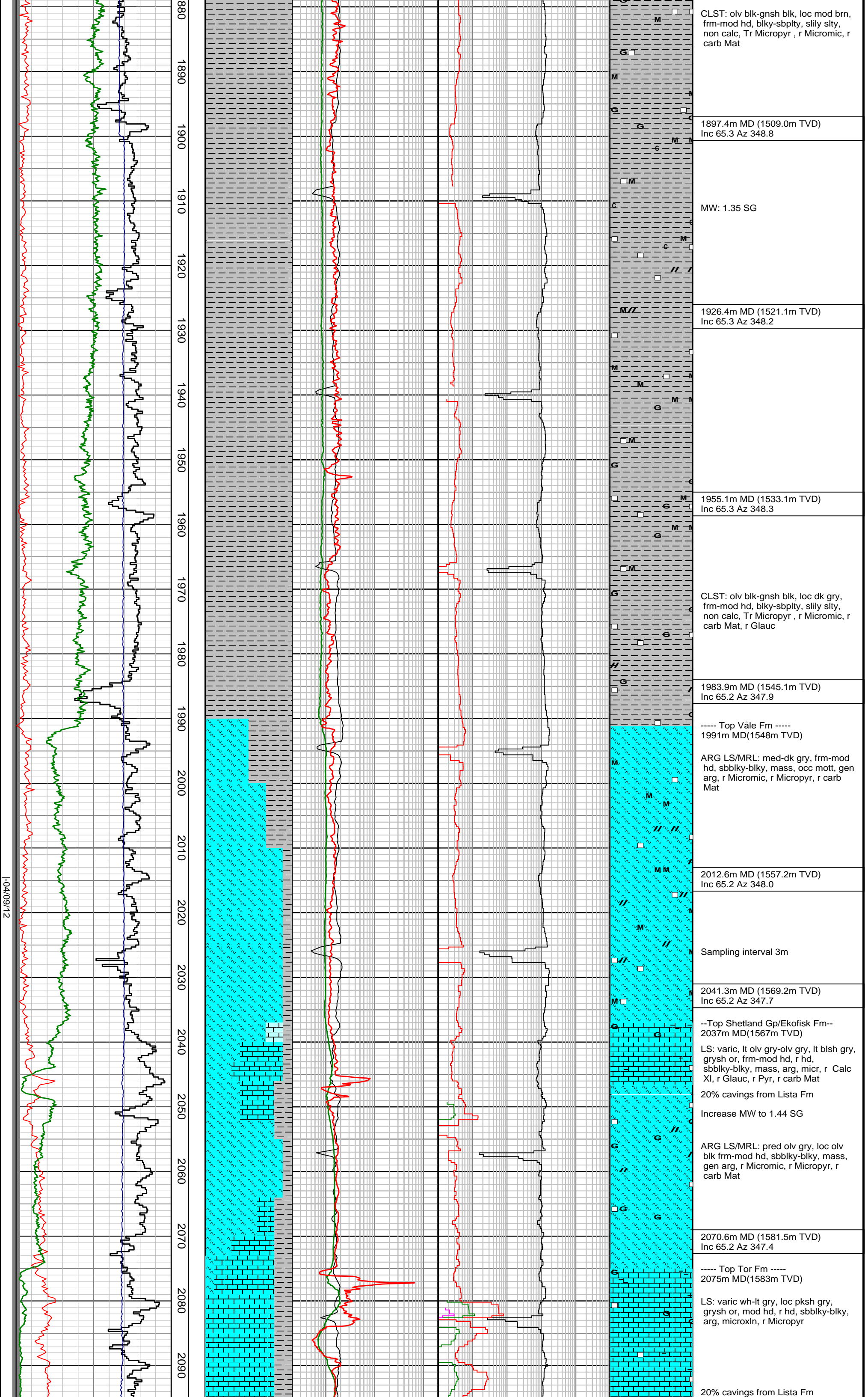
1-02/09/12



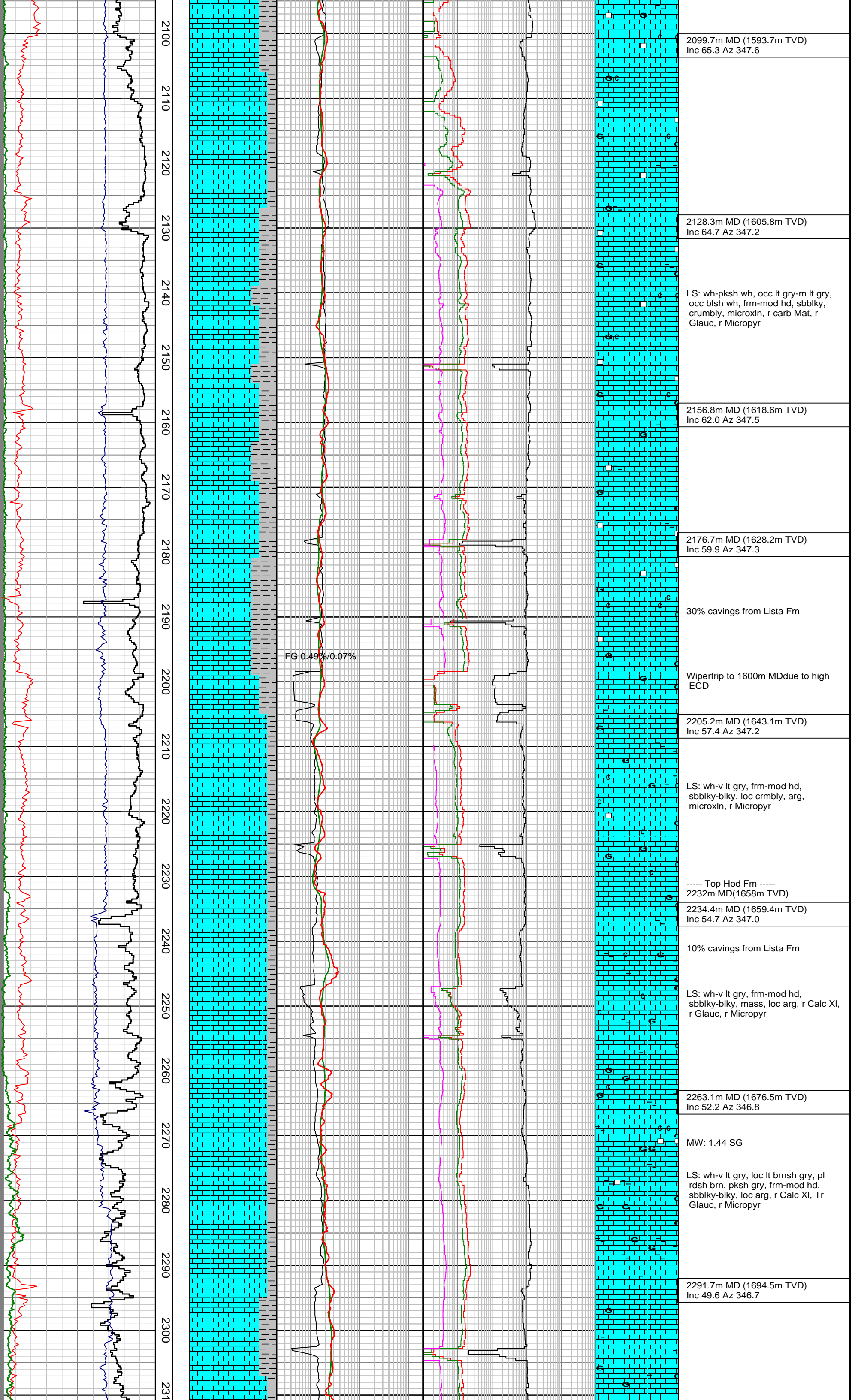


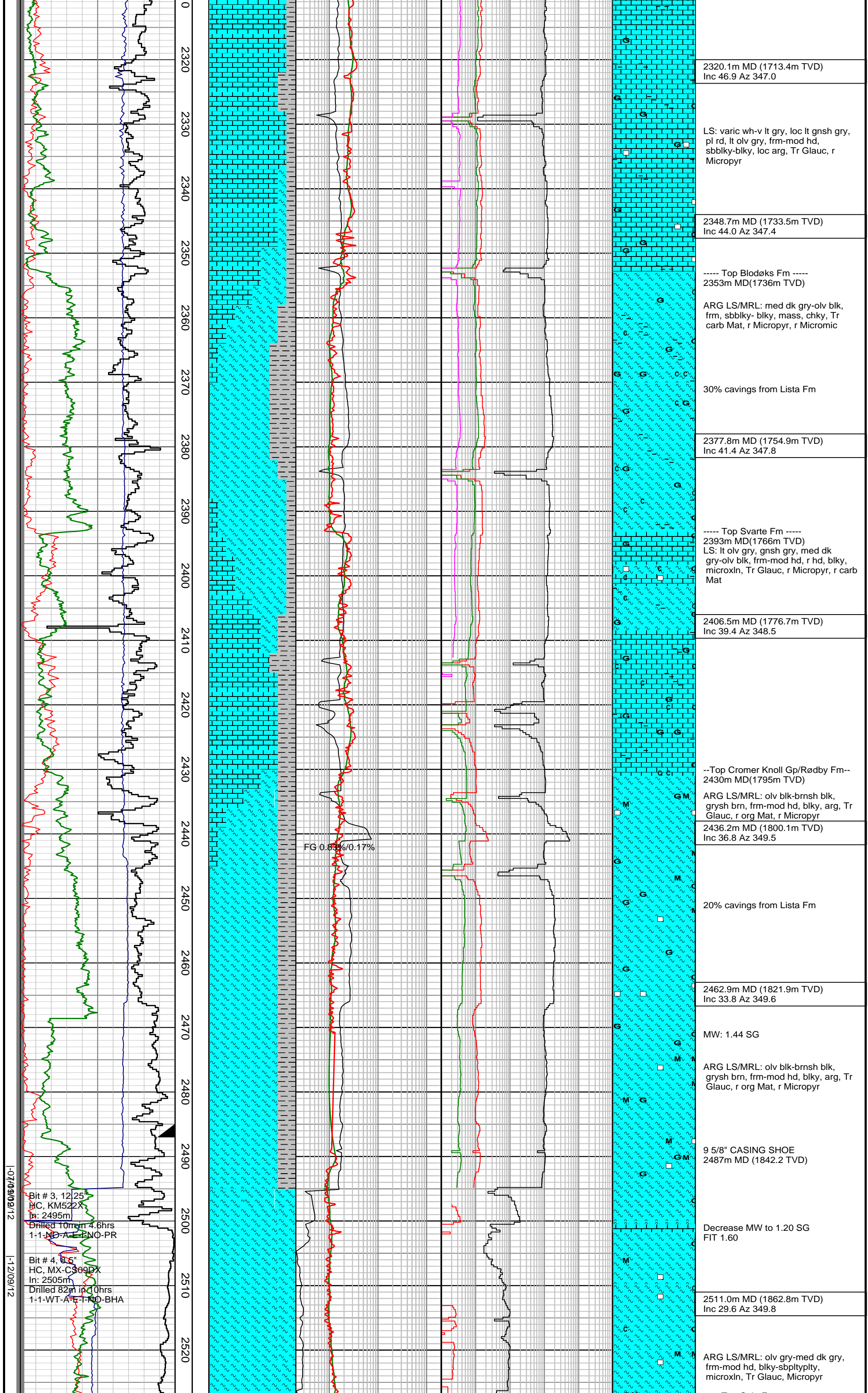


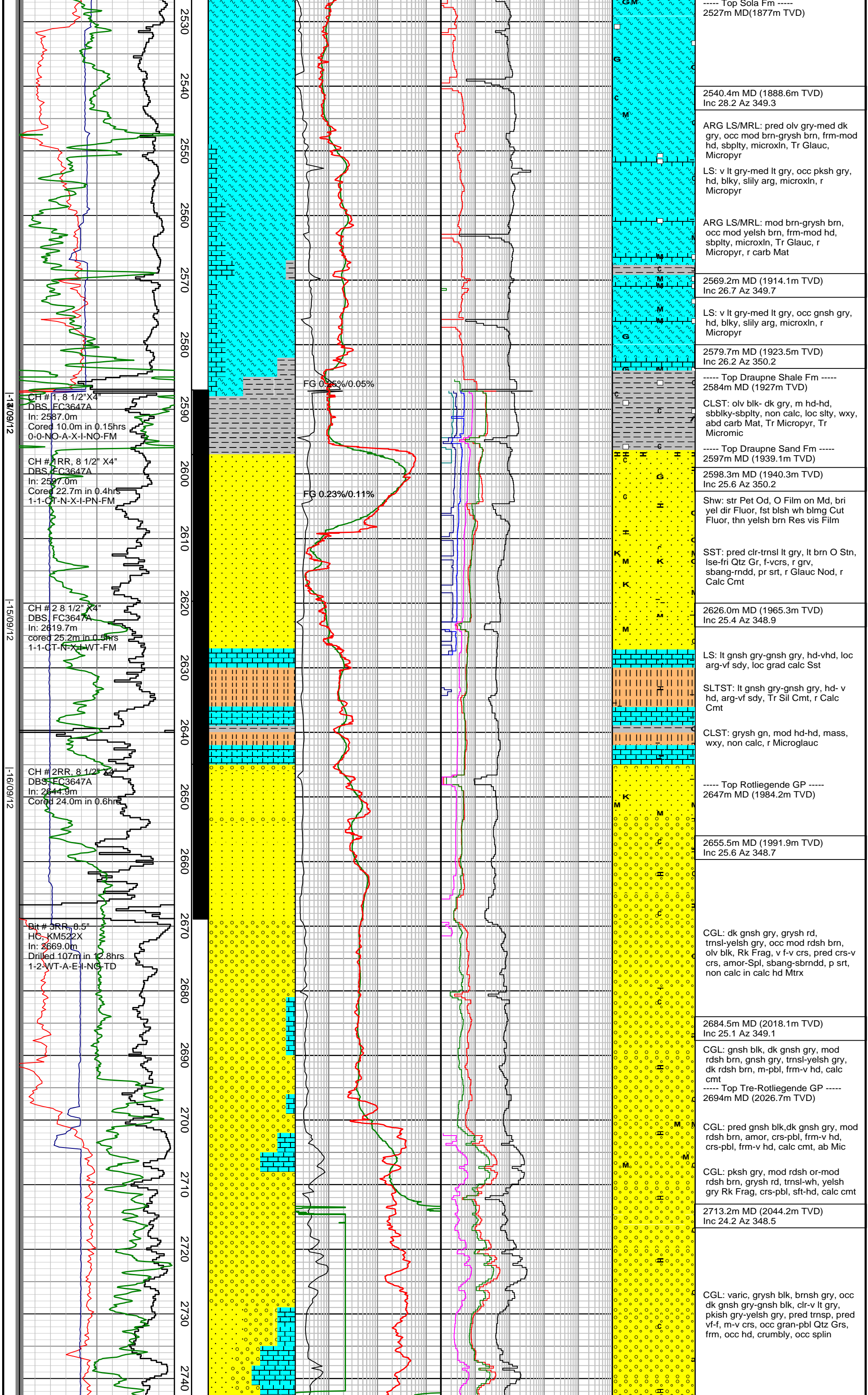


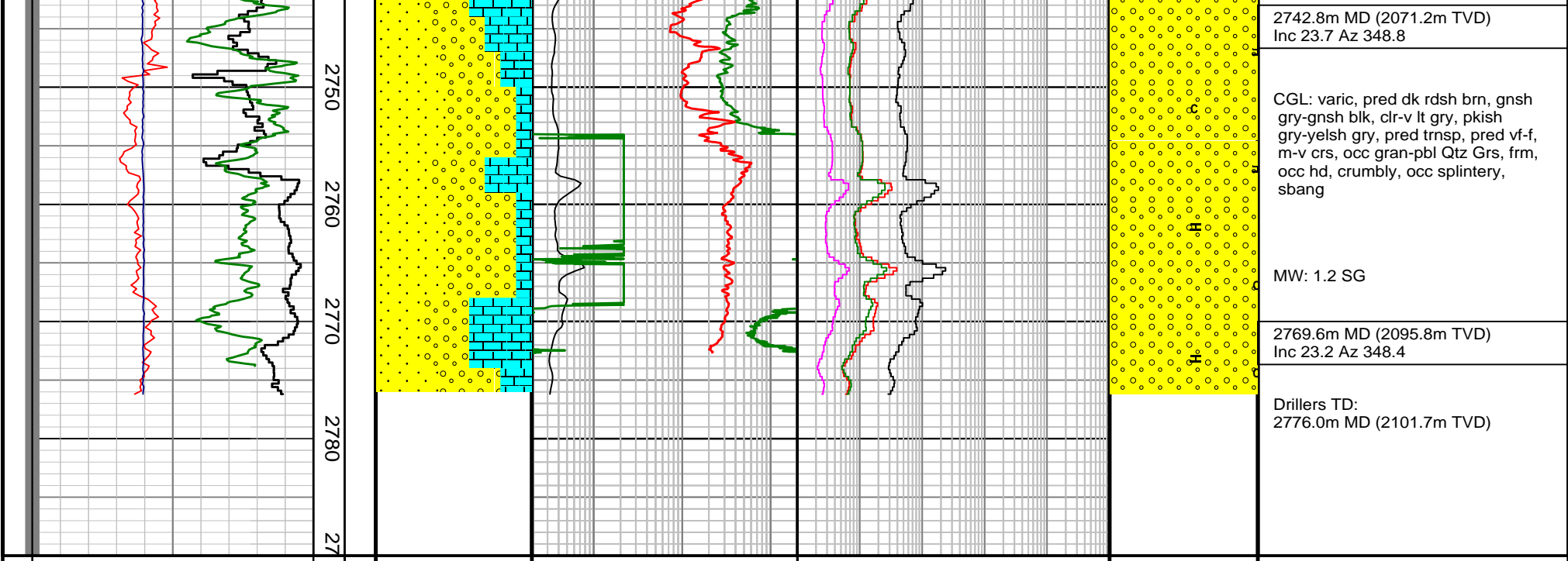


J-05-06/09/12









FORMATION EVALUATION LOG

FORMATION EVALUATION LOG												
DRILLING DATA					CORE MD meters 1:500	CUTTINGS LITHOLOGY	DITCH GAS		CHROMATOGRAPH DATA		INTERPRETED LITHOLOGY	REMARKS
Rate of Penetration							Total Gas		Methane (ppm)			
100 80 60 40 20 m/hr							0.2 2 20 %		1 100000			
Weight on Bit							Resistivity (AT) 400kHz (LS)		1 Ethane (ppm) 100000			
10 20 30 40 50 tonne							2 20 200 ohm.m		1 Propane (ppm) 100000			
AVG RPM							Resistivity (PD) 2MHz (LS)		1 iso-Butane (ppm) 100000			
60 120 180 240 300							2 20 200 ohm.m		1 n-Butane (ppm) 100000			
Gamma Ray									1 iso-Pentane (ppm) 100000			
50 100 150 API							1 n-Pentane (ppm) 100000					

	Company	Lundin Norway AS	
	Well	16/2-13 A	
	Field	Johan Sverdrup	
	Country	Norway	