



# DRILLING PARAMETERS LOG

## 15/6-11 A Ermintrude West



FROM (m) : 1990

TO (m) : 4305

SCALE : 1/ 1000

### WELL: 15/6-11 A

OPERATOR : STATOIL  
COUNTRY : NORWAY  
BLOCK : 15/6  
RIG : OCEAN VANGUARD  
SPUDD DATE: 27/10/10  
DATE TD :26/01/2011

### COORDINATES (m)

Longitude: 01deg 42' 10.61" E  
Longitude: 58deg 34' 08.62" N  
UTM X : 6 492 946m  
UTM Y : 424 552m  
Water Depth: 22m  
RT/SEABED: 115.7m  
FINAL TD : 4305m  
FINAL TVD : 3852.6m

### ABBREVIATIONS and UNITS

BGG : Background Gas  
FG : Formation Gas  
TG : Trip Gas  
CG : Pipe Connection Gas  
RG : Recycling Gas  
POG : Pump Off Gas  
SWG : Swabbing gas

WOB : Weight On Bit (t)  
RPM : Rotary Speed (rpm)  
FLOW : Flow Rate (lpm)  
SPP : Pump Pressure (psi)  
TRQ : Rotating Torque ( klbs\*ft)  
MW : Mud Weight (sg)  
PV : Plastic Viscosity (cP)  
FV : Funnel Viscosity ( s)

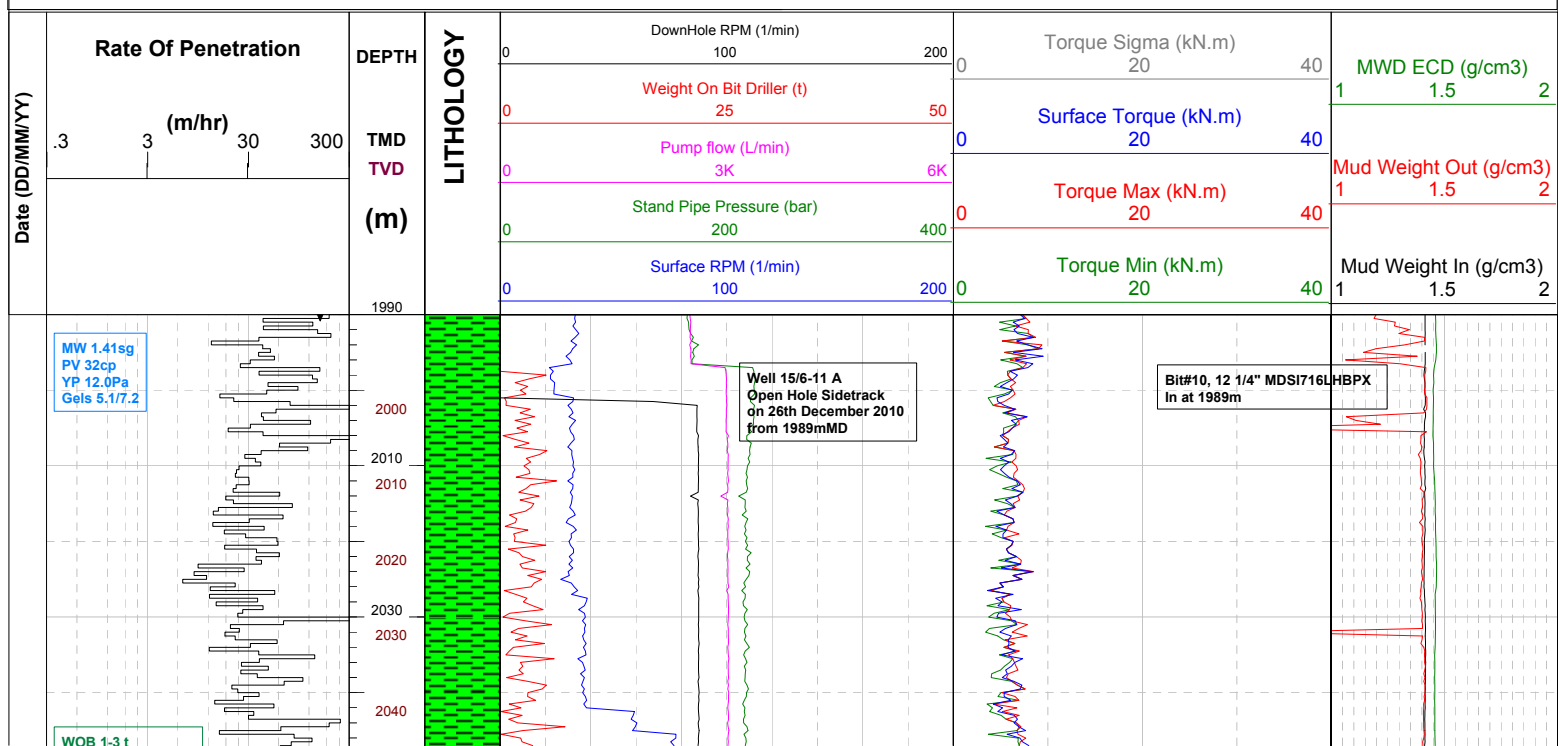
### LEGEND

	Clay-shale		Plastic clay-shale		Calcareous clay-shal
	Dolomitic clay-shale		Silty clay-shale		Organic clay-shale
	Siltstone		Fine sandstone		Medium sandstone
	Coarse sandstone		Quartzite		Chert
	Conglomerate		Breccia		Dolomite
	Limestone		Dolomitic limestone		Sandy limestone
	Chalk		Coal-lignite		Core
	Survey		Casing shoe		Casing Top

### WELL CONFIGURATION

BIT SIZE (in)	HOLE DEPTH (m)	CASING SIZE (in)	SHOE DEPTH (m)
12 1/4"	1989 m	9 5/8"	4002 m
8 1/2"	4003 m		

PICFILE :DRILLINGLOG\_A4.UPF



RPM 29-189  
SPP 186-222 bar  
FLW 2670-3020 lpm

2071.41mMD 2070.73TVD  
Inc 8.78 Az 319.94

2099.66mMD 2098.50TVD  
Inc 12.38 Az 329.59

2128.98mMD 2126.99TVD  
Inc 14.82 Az 331.82

2160.82mMD 2157.55TVD  
Inc 17.74 Az 333.47

2189.90mMD 2185.11TVD  
Inc 19.51 Az 331.50

2218.35mMD 2211.79TVD  
Inc 21.05 Az 327.25

MW 1.40sg  
PV 28cp  
YP 11.5Pa  
Gels 5.4/7.2

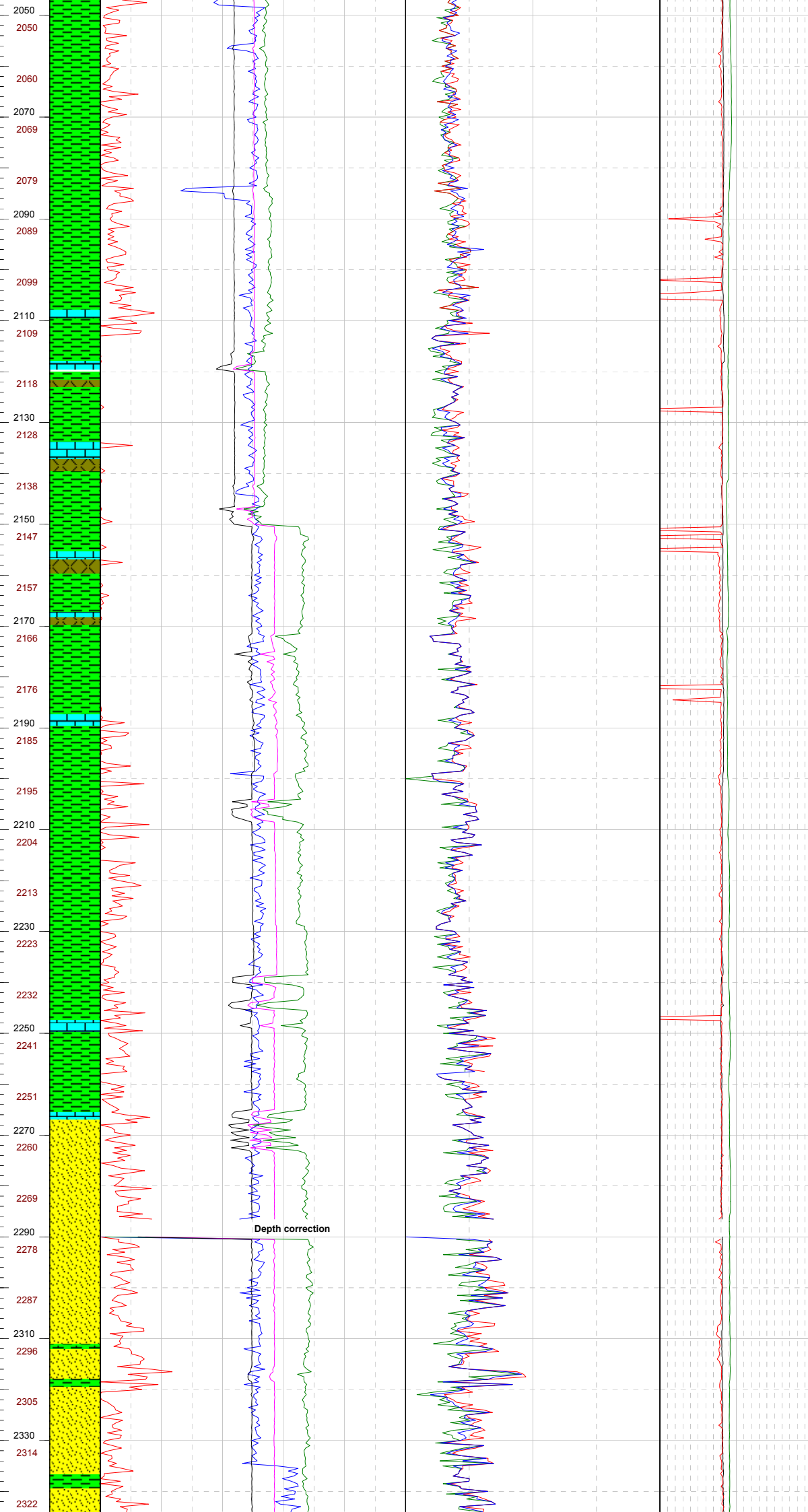
2248.25mMD 2239.58TVD  
Inc 22.32 Az 324.34

WOB 1-4 t  
RPM 196-206  
SPP 245-268 bar  
FLW 3260-3470 lpm

2276.41mMD 2265.42TVD  
Inc 24.49 Az 321.92

2305.68mMD 2291.82TVD  
Inc 26.67 Az 319.23

MW 1.41sg  
PV 26cp  
YP 10.5Pa  
Gels 5.8/7.2



WOB 2-6 t  
RPM 192-213  
SPP 180-273 bar  
FLW 2750-3420 lpm

2363.03mMD 2341.93TVD  
Inc 31.46 Az 315.08

2421.02mMD 2396.30TVD  
Inc 35.48 Az 311.62

2450.94mMD 2414.30TVD  
Inc 37.81 Az 311.47

WOB 4-9 t  
RPM 202-226  
SPP 189-265 bar  
FLW 2740-3370 lpm

2478.19mMD 2435.48TVD  
Inc 40.17 Az 312.20

2508.55mMD 2458.53TVD  
Inc 41.04 Az 312.05

MW 1.41sg  
PV 27cp  
YP 10.5Pa  
Gels 4.8/6.7

2538.63mMD 2481.24TVD  
Inc 40.89 Az 310.94

WOB 5-8 t  
RPM 206-226  
SPP 200-277 bar  
FLW 2790-3390 lpm

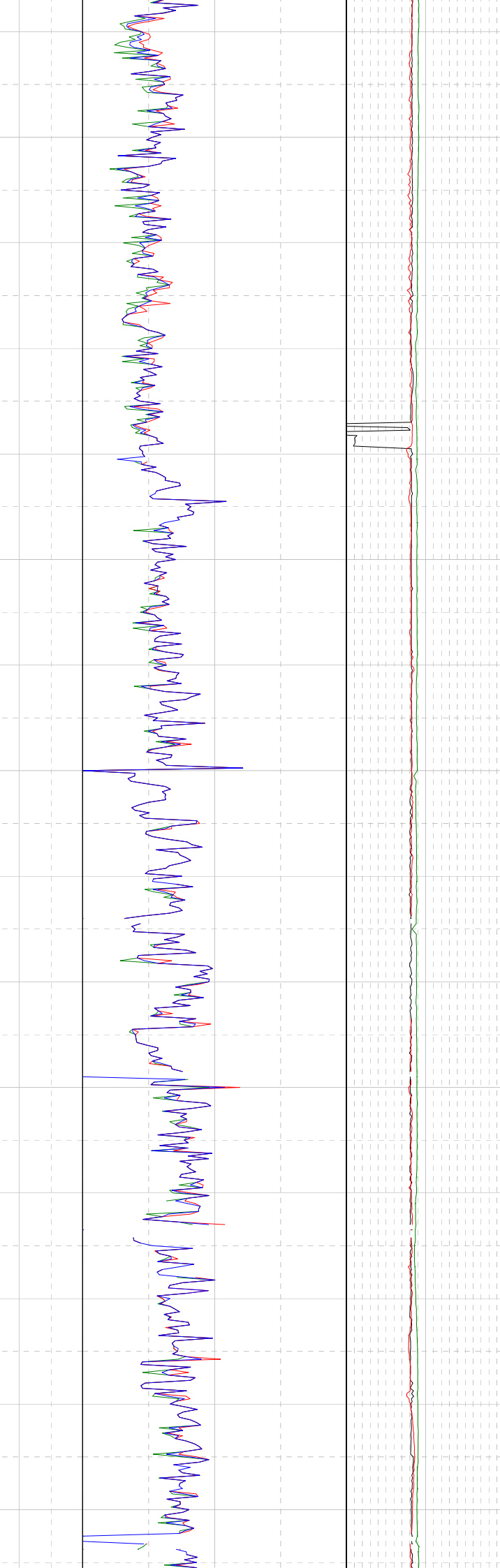
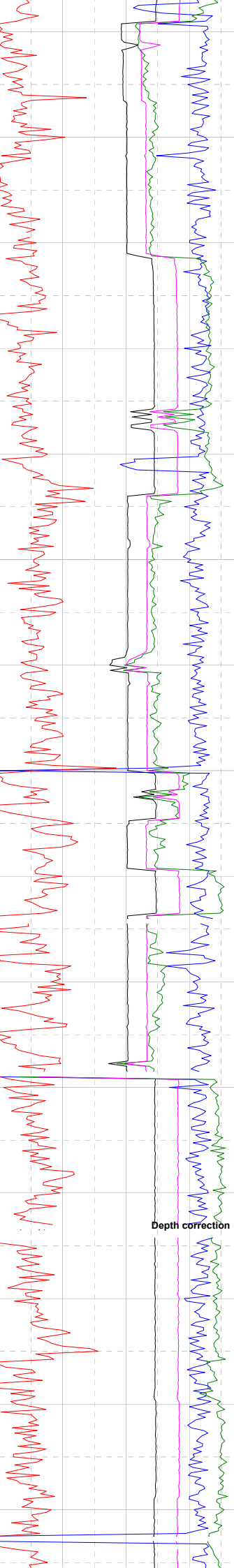
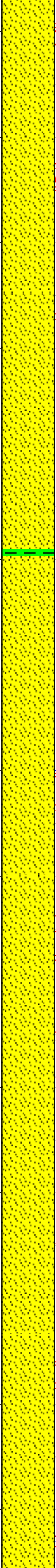
2564.38mMD 2500.78TVD  
Inc 40.42 Az 310.04

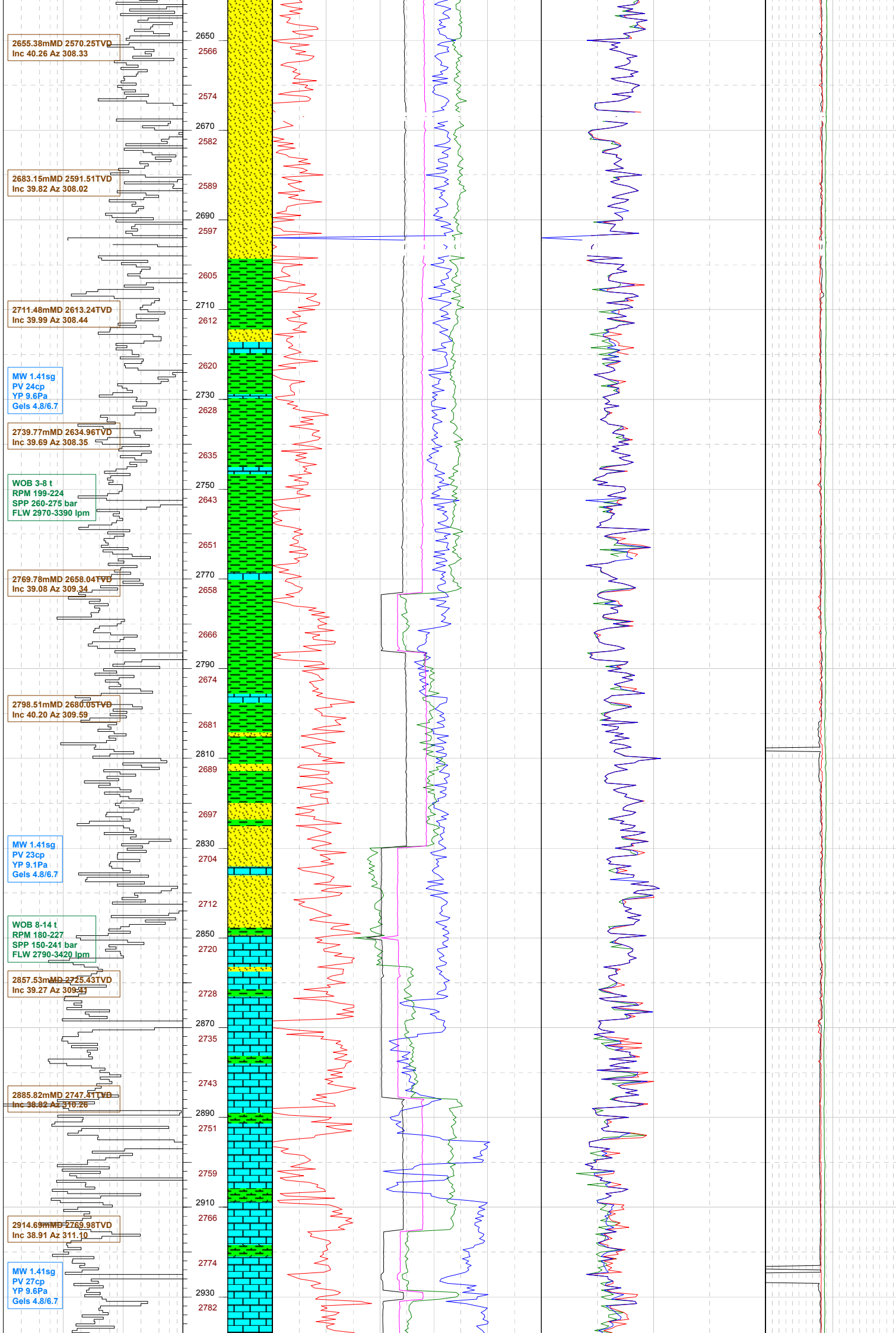
2597.49mMD 2526.02TVD  
Inc 40.25 Az 309.96

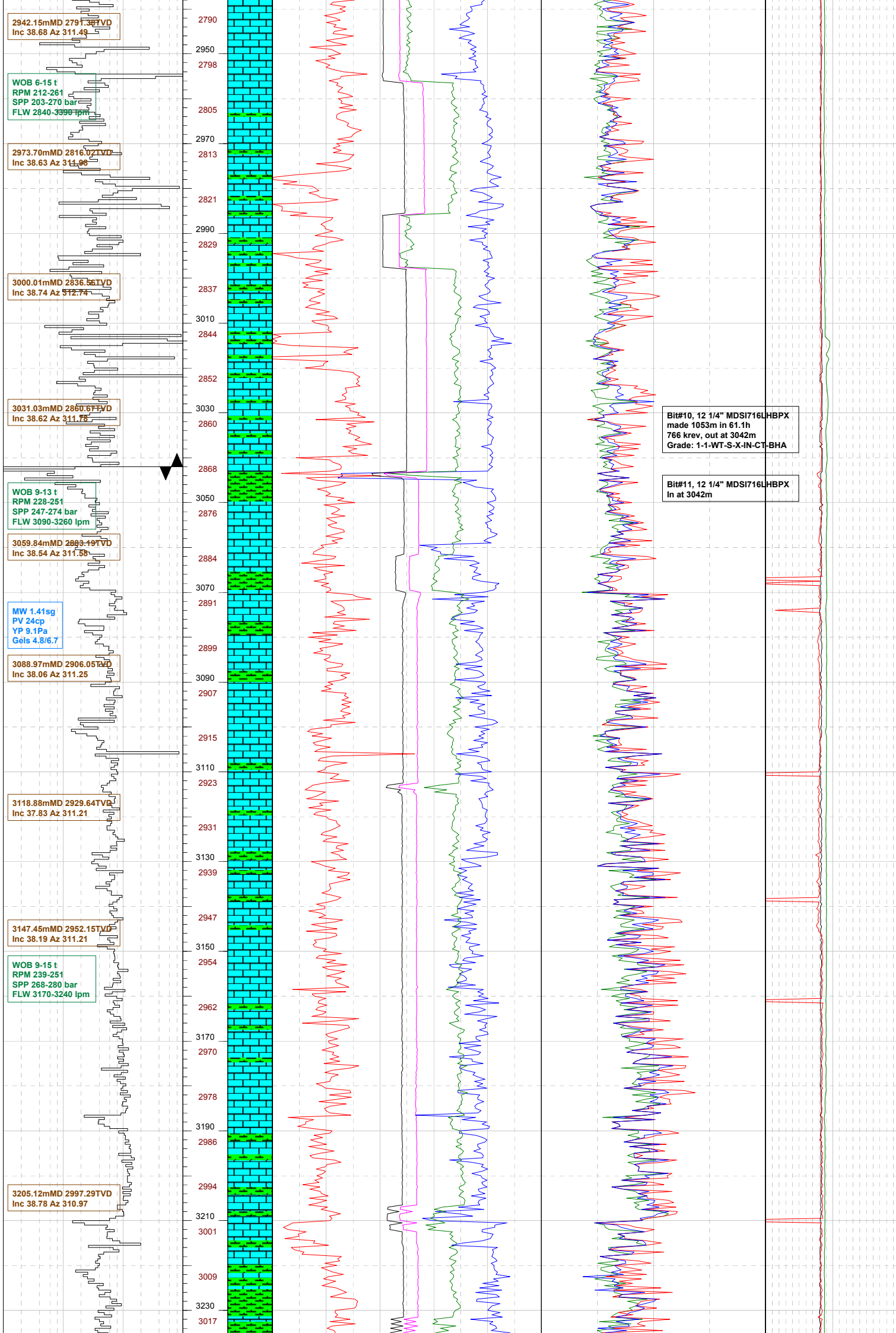
2623.50mMD 2545.89TVD  
Inc 40.09 Az 309.34

MW 1.41sg  
PV 23cp  
YP 10.1Pa  
Gels 4.8/6.7

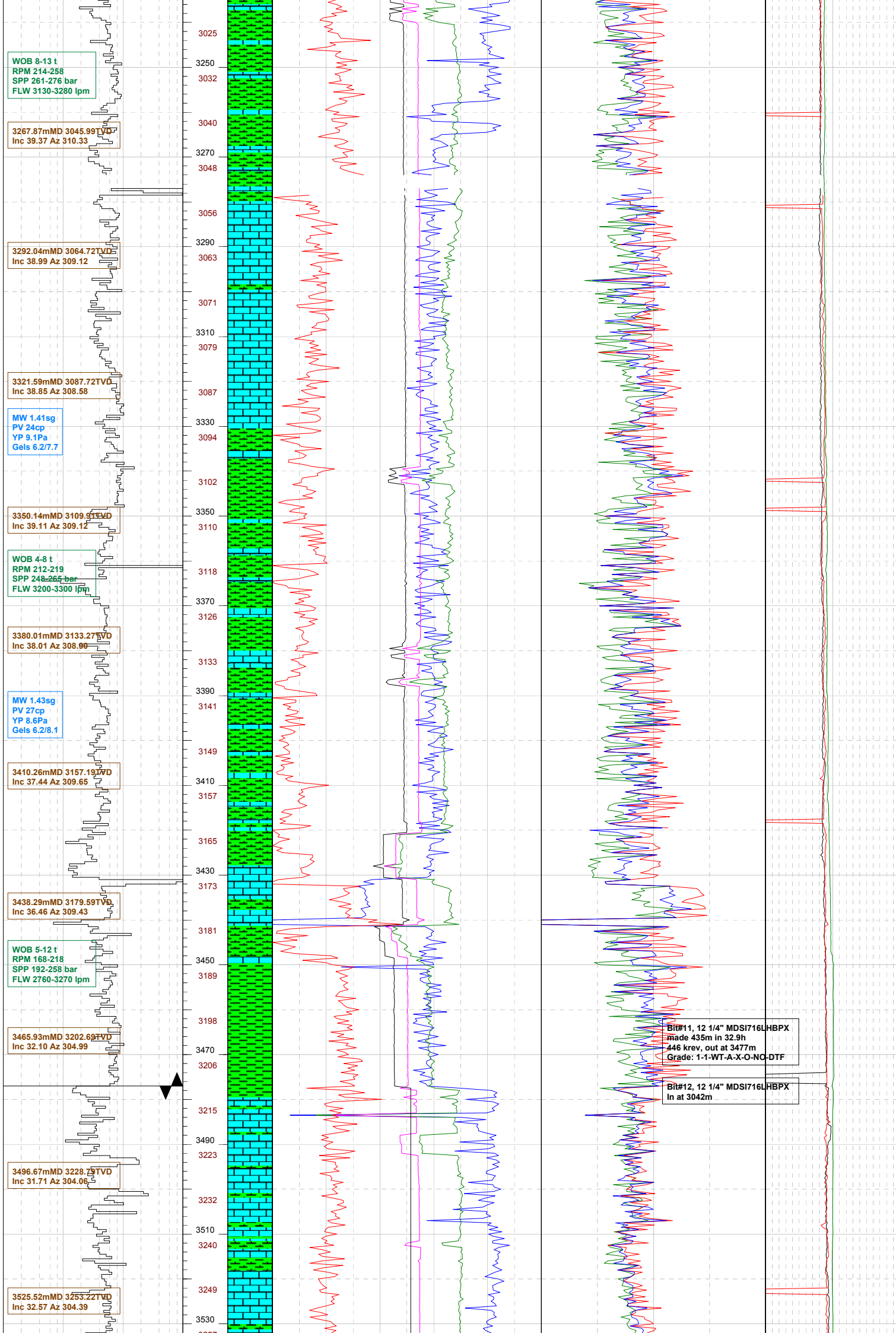
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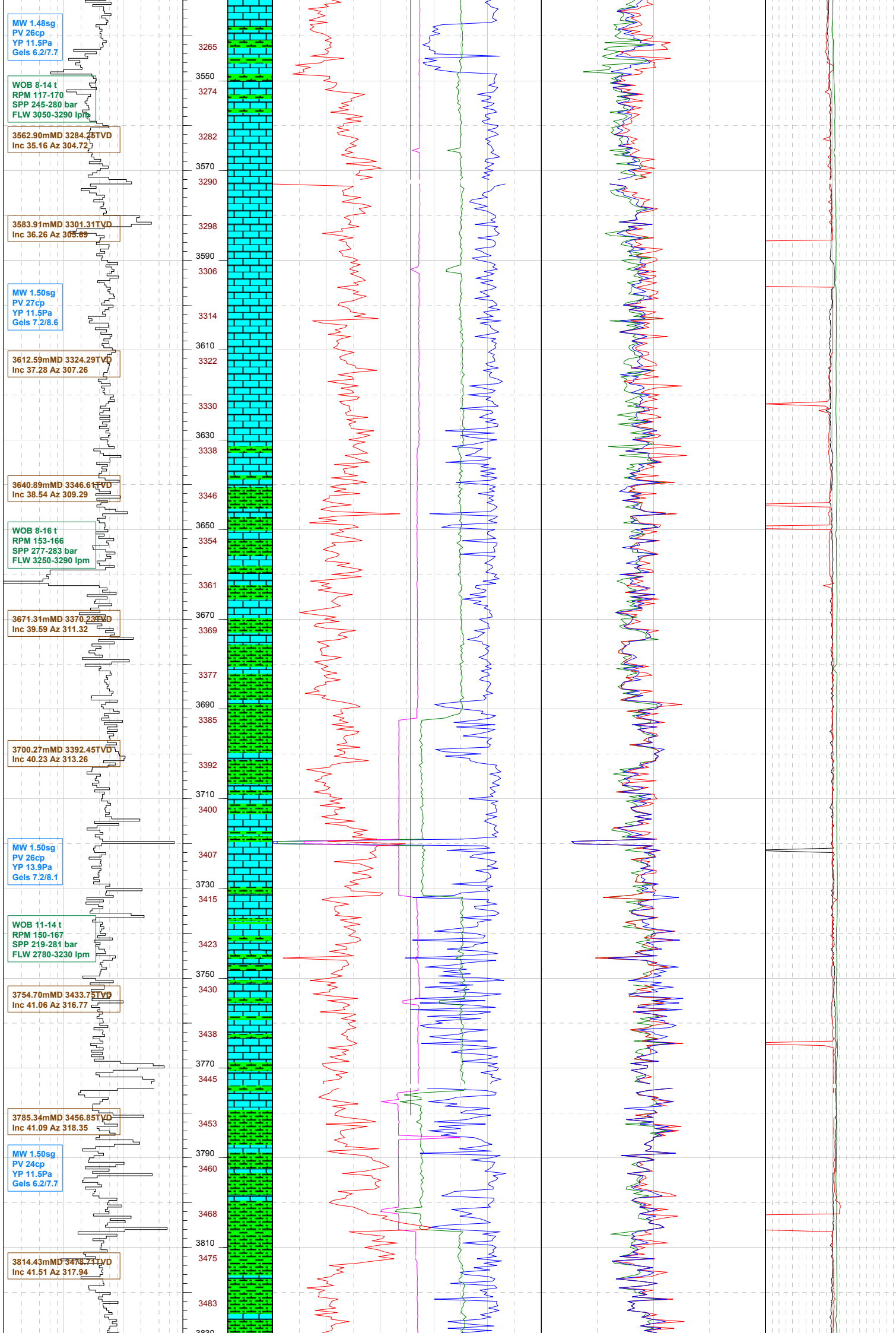


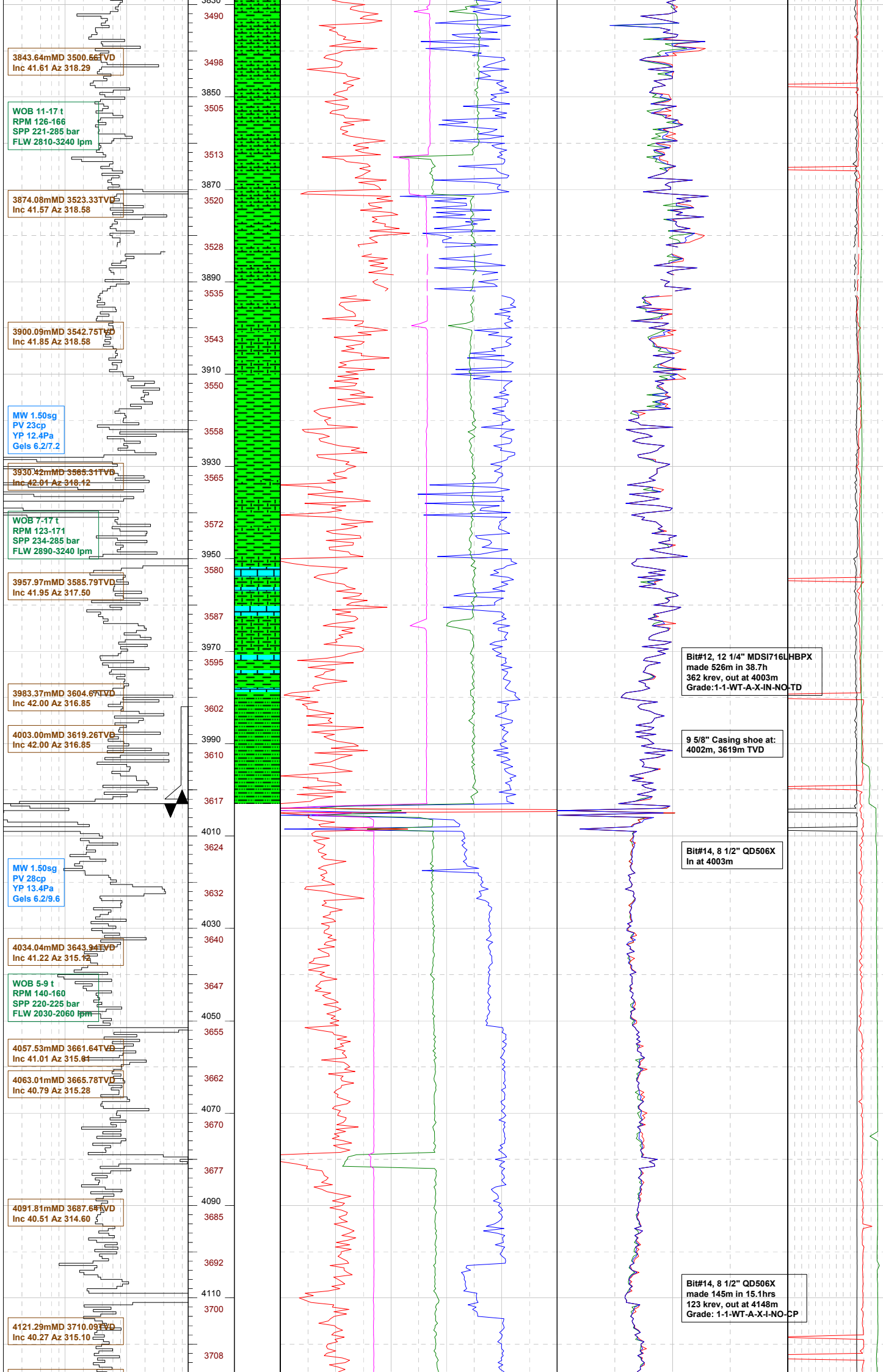












3843.64mMD 3500.66TVD  
Inc 41.61 Az 318.29

WOB 11-17 t  
RPM 126-166  
SPP 221-285 bar  
FLW 2810-3240 lpm

3874.08mMD 3523.33TVD  
Inc 41.57 Az 318.58

3900.09mMD 3542.75TVD  
Inc 41.85 Az 318.58

MW 1.50sg  
PV 23cp  
YP 12.4Pa  
Gels 6.2/7.2

3930.42mMD 3565.31TVD  
Inc 42.01 Az 318.12

WOB 7-17 t  
RPM 123-171  
SPP 234-285 bar  
FLW 2890-3240 lpm

3957.97mMD 3585.79TVD  
Inc 41.95 Az 317.50

3983.37mMD 3604.67TVD  
Inc 42.00 Az 316.85

4003.00mMD 3619.26TVD  
Inc 42.00 Az 316.85

MW 1.50sg  
PV 28cp  
YP 13.4Pa  
Gels 6.2/9.6

4034.04mMD 3643.94TVD  
Inc 41.22 Az 315.12

WOB 5-9 t  
RPM 140-160  
SPP 220-225 bar  
FLW 2030-2060 lpm

4057.53mMD 3661.64TVD  
Inc 41.01 Az 315.84

4063.01mMD 3665.78TVD  
Inc 40.79 Az 315.28

4091.81mMD 3687.64TVD  
Inc 40.51 Az 314.60

4121.29mMD 3710.09TVD  
Inc 40.27 Az 315.10

Bit#12, 12 1/4" MDSI716LHBPX  
made 526m in 38.7h  
362 krev, out at 4003m  
Grade:1-1-WT-A-X-IN-NO-TD

9 5/8" Casing shoe at:  
4002m, 3619m TVD

Bit#14, 8 1/2" QD506X  
In at 4003m

Bit#14, 8 1/2" QD506X  
made 145m in 15.1hrs  
123 krev, out at 4148m  
Grade: 1-1-WT-A-X-I-NO-CP



