



FROM : (mt) 120

TO : (mt) 3240

SCALE : 1/ 1000

Well Name : TUNA A-31
Company : ESSO AUSTRALIA

Country : Australia

RT-MSL : 31.32 m
RT-SEABED : 90.72 m

Final TD : 3220 m
Final TVD : 1435.28 m

Generated by ALS Package

DATE	ROP (m/h)				DEPTH (m)	LITHOLOGY	WOB klbs				RPM			SPP psi				FLOW gpm			TORQ lb*ft		
	500	50	5	.5			10	20	30	40	100	200	300	1K	2K	3K	4K	250	500	750	5K	10K	15K
01-07-02					120																		
					140																		
					160																		
					180																		
					200																		
					220																		

Bit #1: 12.25"
Security MPSF
Jets: 3x20,1x18
In: 147.3m
Out: 406m
Run: 259m
Hrs: 5.05
Cond: 1-1-A-E
-IN-NO-BHA

TUNA A-31 SPUDDED @
01:30 HRS ON 01-07-2002

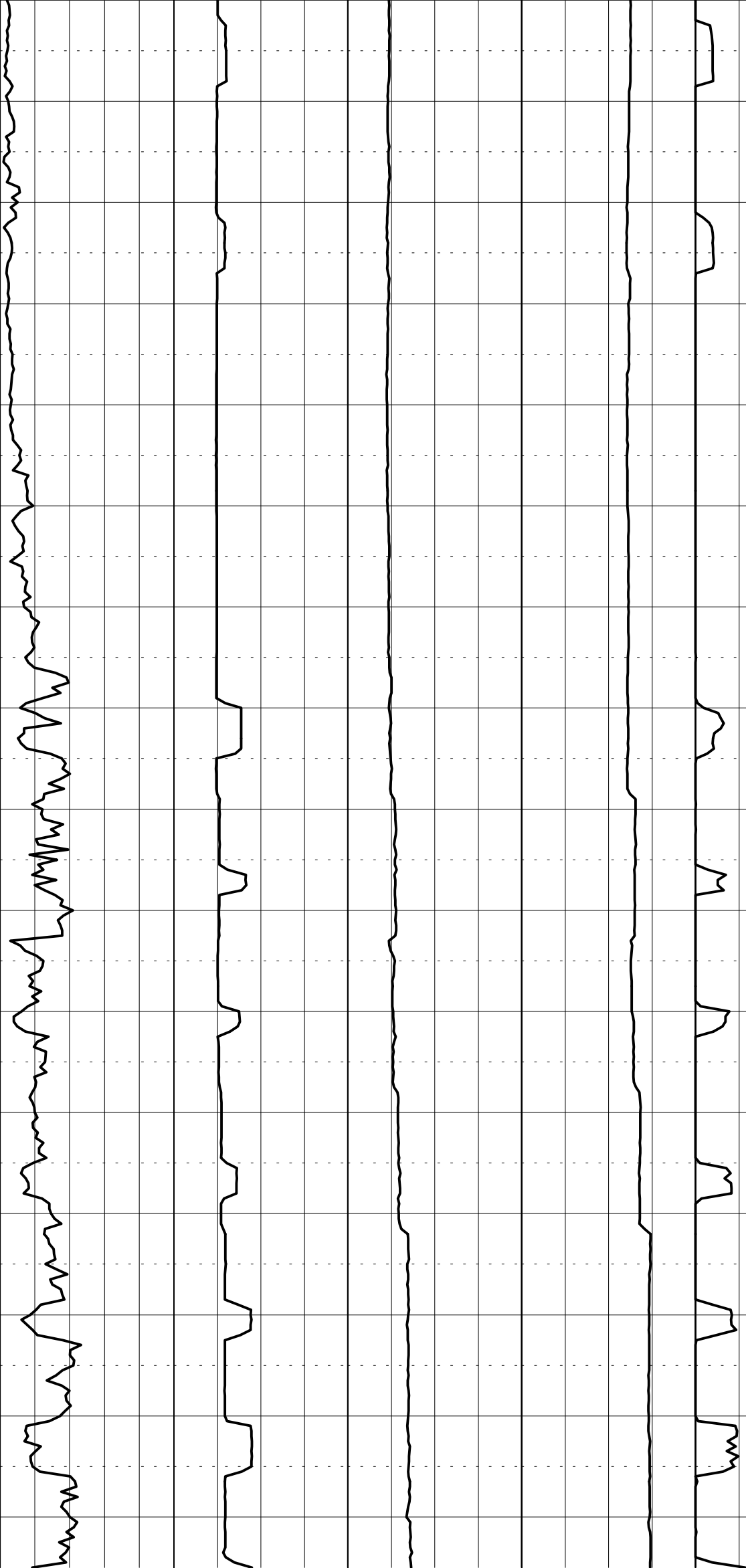
20" Conductor Shoe Set @ 147.3 metres

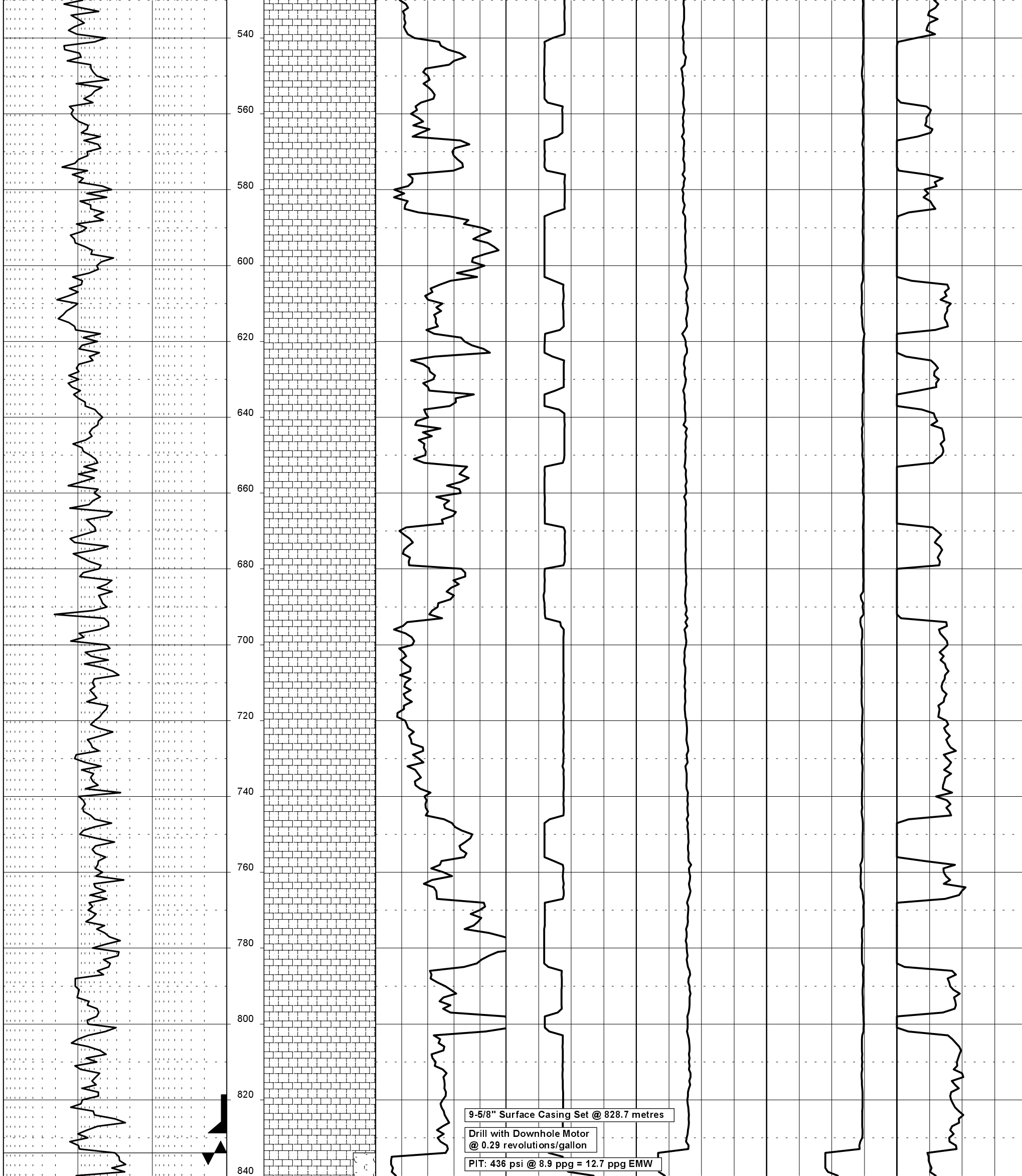
Drill with Downhole Motor
@ 0.16 revolutions/gallon

Bit #2RR: 12.25"
Hycalog DS195
Jets: 5x18
In: 406m
Out: 834m
Run: 428m
Hrs: 14.25
Cond: 1-2-WT/
CT-A/S-X-IN
-NO-TC



240
260
280
300
320
340
360
380
400
420
440
460
480
500
520





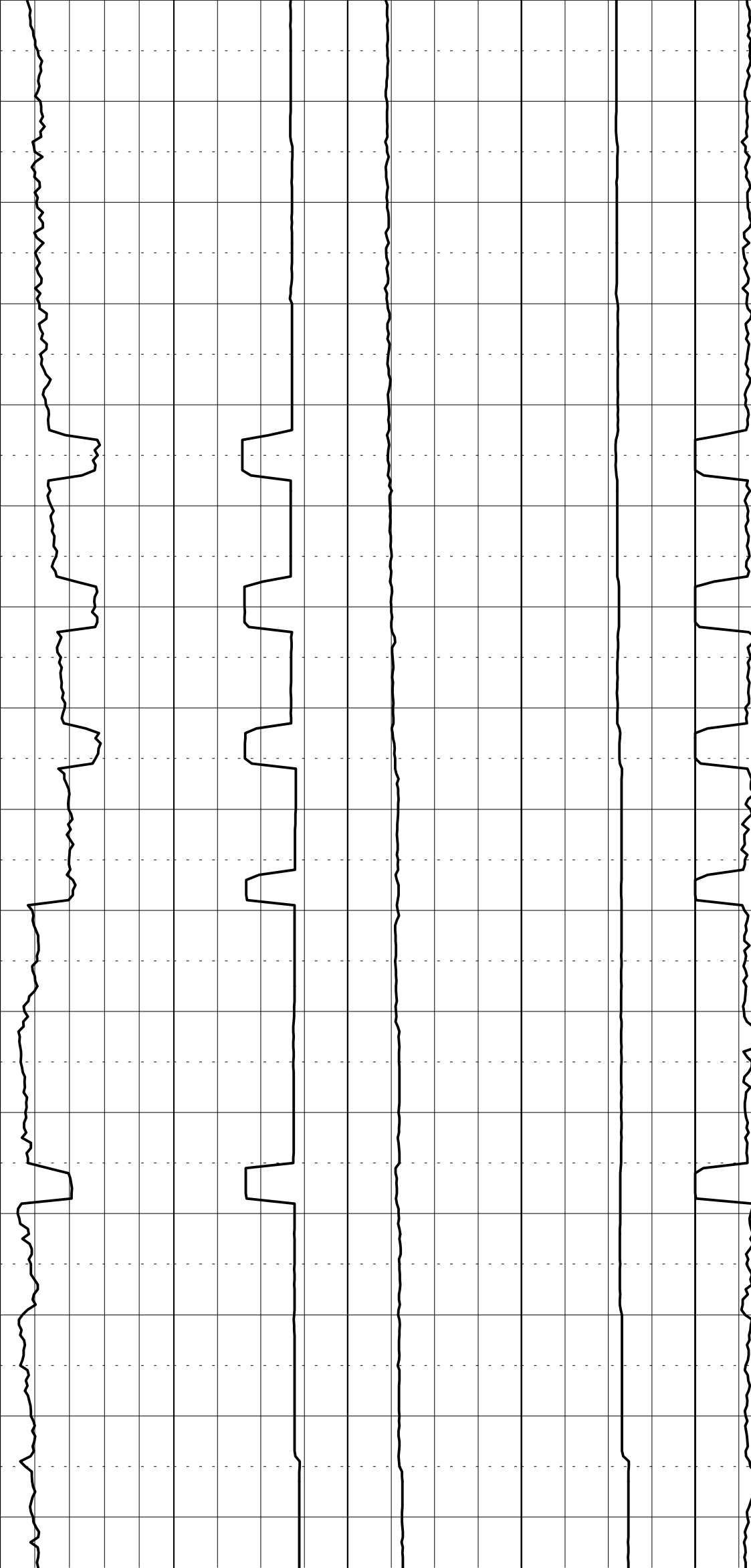
09-07-02

MW:9.0
FV:53
PV:18
YP:23
Gel:5/8
WL:4.0
pH:10.0
Cl:45.0k

Bit #3: 8.5"
Geodiamond
S75HPX
Jets: 7x14
In: 834m
Out: 3220m
Hrs: 79.13
Cond: 6-8-WT/
CT-A-X-IN-
LT/BT-TD

MW:9.1
FV:56
PV:18
YP:26
Gel:5/8
WL:3.8

860
880
900
920
940
960
980
1000
1020
1040
1060
1080
1100
1120
1140



MW:9.4
FV:58
PV:17
YP:27
Gel:6/9
WL:4.6
pH:9.4
Cl:48.0k

MW:9.6
FV:73
PV:25
YP:45
Gel:11/13
WL:4.6
pH:9.5
Cl:48.0k

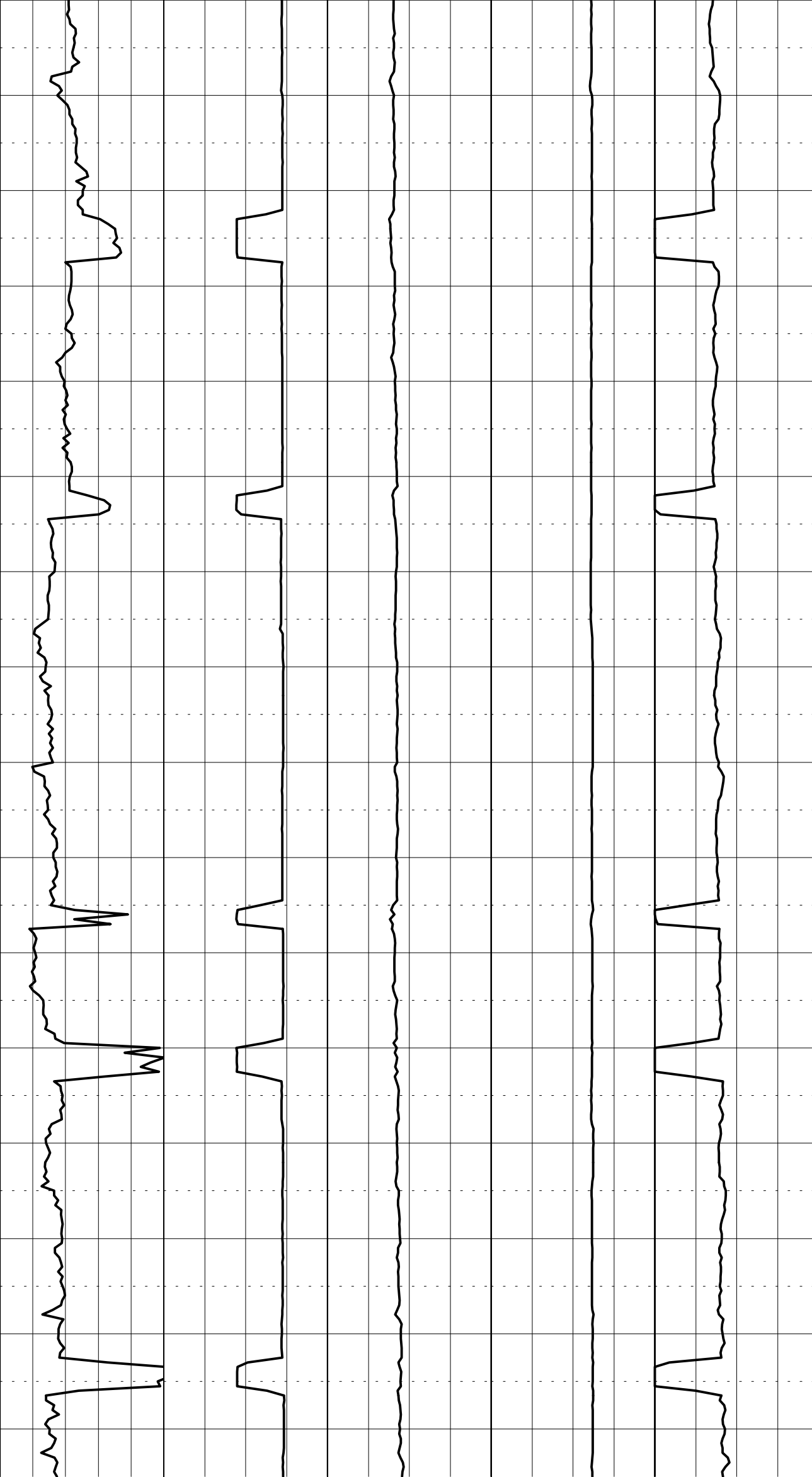
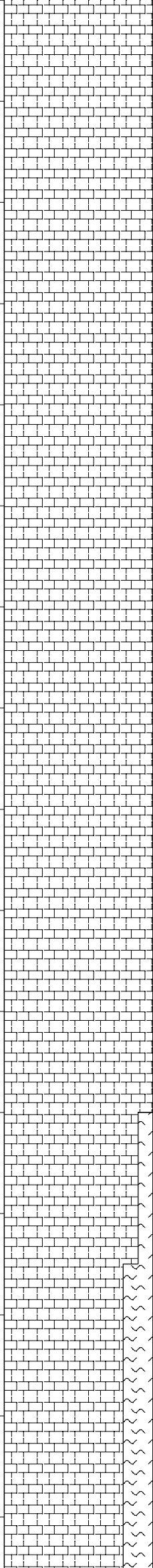
1160
1180
1200
1220
1240
1260
1280
1300
1320
1340
1360
1380
1400
1420
1440
1460

10-07-02

MW:9.9
FV:84
PV:22
YP:48
Gel:12/25
WL:4.2
pH:9.5
Cl:45.0k

MW:10.1
FV:71
PV:22
YP:41
Gel:10/28
WL:4.0
pH:8.8
Cl:42.5k

1480
1500
1520
1540
1560
1580
1600
1620
1640
1660
1680
1700
1720
1740
1760



11-07-02

MW:10.2
FV:90
PV:24
YP:40
Gel:11/28
WL:4.4
pH:9.0
Cl:45.0k

MW:10.3
FV:85
PV:25
YP:49
Gel:16/48
WL:4.4
pH:8.8
Cl:44.0k

1780

1800

1820

1840

1860

1880

1900

1920

1940

1960

1980

2000

2020

2040

2060

2080

WASHOUT IN DP @ 1851 m

MW:10.5
FV:84
PV:24
YP:48
Gel:15/39
WL:4.8
pH:9.0
Cl:45.0k

2100
2120
2140
2160
2180
2200
2220
2240
2260
2280
2300
2320
2340
2360
2380

AIR IN SPP SENSOR

SPP SENSOR FIXED

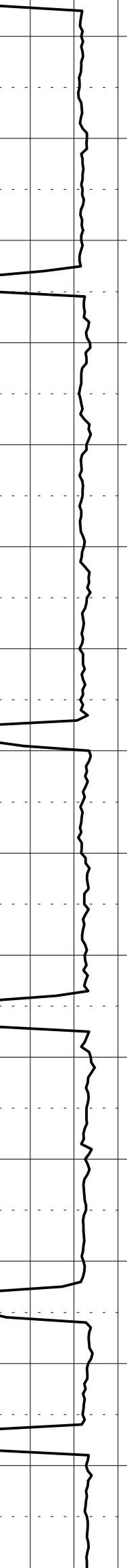
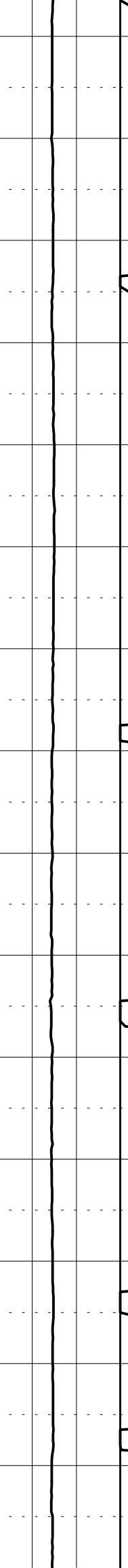
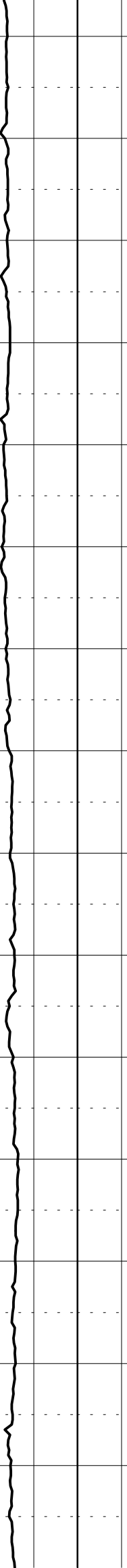
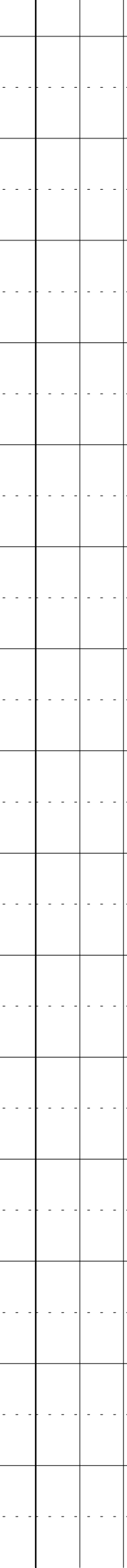
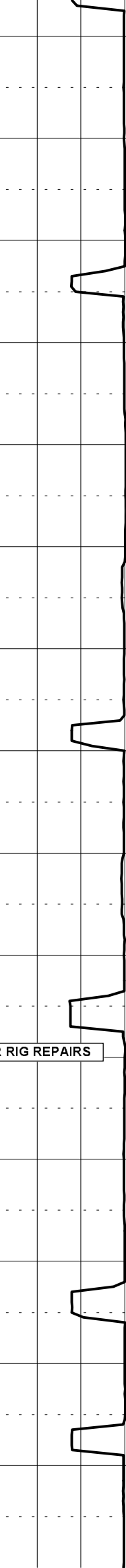
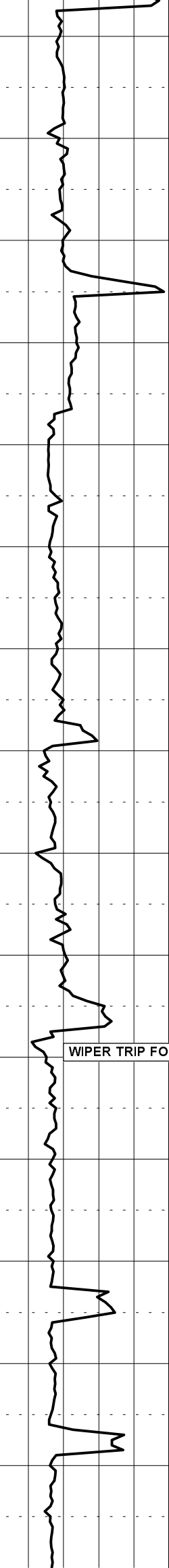
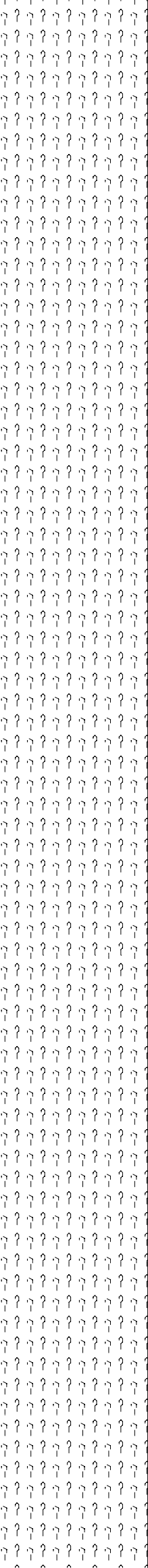
13-07-02

MW:10.65
FV:79
PV:28
YP:38
Gel:12/35
WL:5.0
pH:8.8
Cl:45.0k

MW:10.7
FV:79
PV:27
YP:37
Gel:11/32
WL:4.6
pH:8.8
Cl:45.0k

MW:10.6
FV:88
PV:30
YP:41
Gel:13/35
WL:4.0
pH:8.8

2400
2420
2440
2460
2480
2500
2520
2540
2560
2580
2600
2620
2640
2660
2680
2700

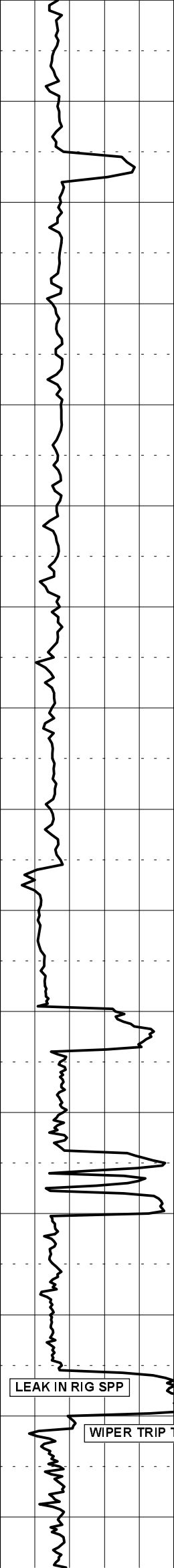
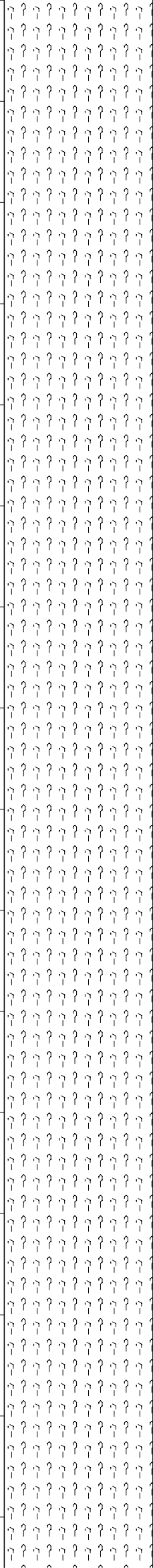


CI:45.0k

MW:10.6
FV:86
PV:30
YP:49
Gel:15/38
WL:4.0
pH:8.8
CI:45.0k

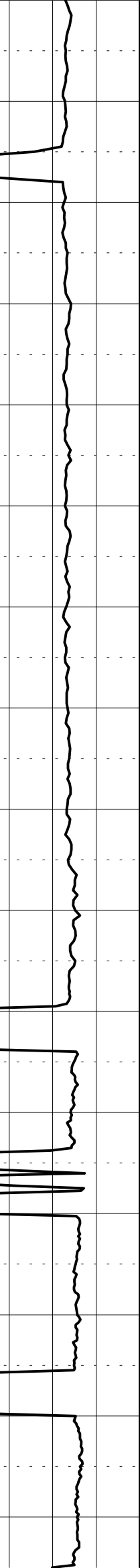
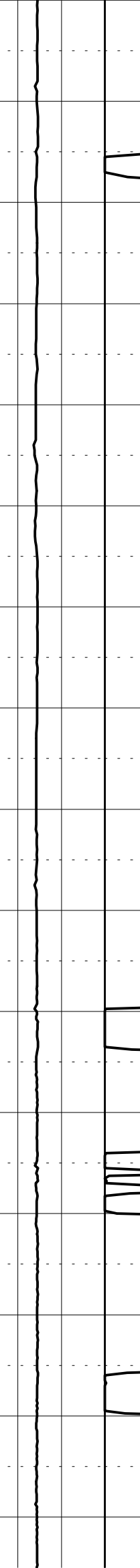
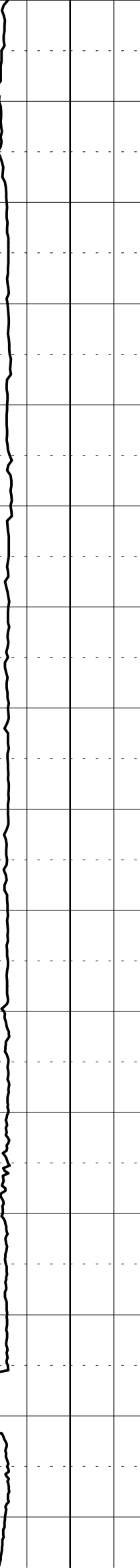
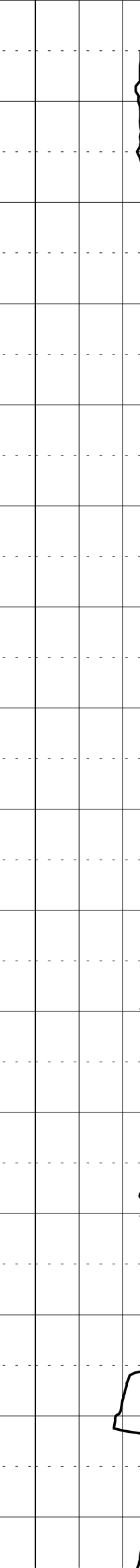
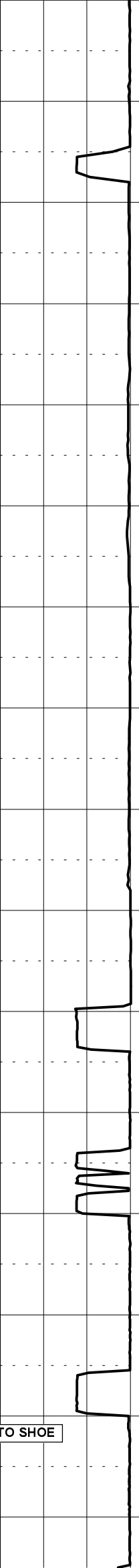
MW:10.6
FV:75
PV:29
YP:50
Gel:10/27
WL:3.4
pH:8.8
CI:45.0k

2720
2740
2760
2780
2800
2820
2840
2860
2880
2900
2920
2940
2960
2980
3000



LEAK IN RIG SPP

WIPER TRIP TO SHOE



16-07-02

3020
3040
3060
3080
3100
3120
3140
3160
3180
3200
3220

MW:10.5
FV:68
PV:30
YP:34
Gel:10/25
WL:3.5
pH:8.7
Cl:45.0k

MW:10.3
FV:70
PV:28
YP:37
Gel:10/19
WL:3.0
pH:9.0
Cl:48.0k



LEAK FIXED

7" Production Casing Set @ 3214 metres

TUNA A-31 REACHED TD
@ 12:45 HRS ON 16-07-2002
DRILLERS TD: 3220mMDRT (1435.28mTVDRT)