

Survey @ 258.71m  
Dev 0.62 deg  
Azi 201.27 deg  
TVD 258.70m

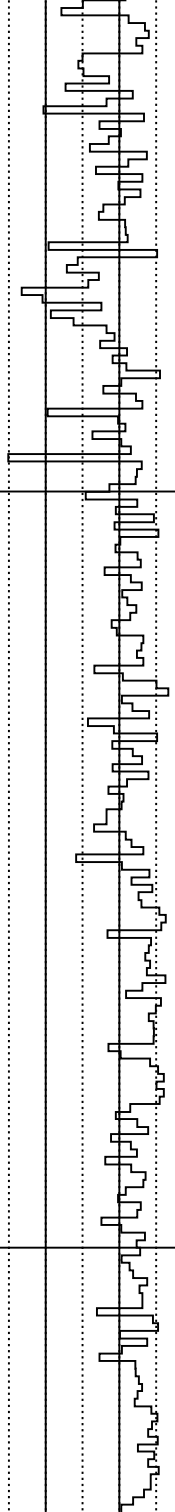
Survey @ 286.01m  
Dev 0.41 deg  
Azi 115.81 deg  
TVD 286.00m

Survey @ 313.01m  
Dev 0.78 deg  
Azi 115.03 deg  
TVD 313.01m

Drill w/ seawater & Hivis  
sweeps  
Returns to seabed.

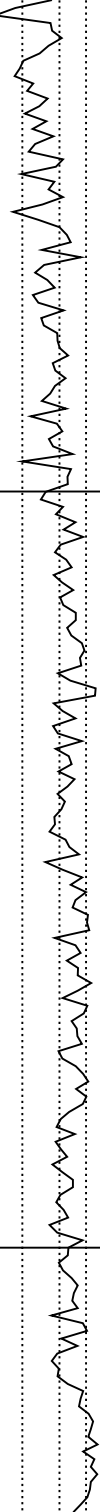
Survey @ 372.31m  
Dev 0.43 deg  
Azi 317.18 deg  
TVD 372.99m

Drill w/ seawater & Hivis  
sweeps  
Returns to seabed.



500

609



Survey @ 461.00m  
Dev 0.57 deg  
Azi 346.70 deg  
TVD 460.98m

Survey @ 486.51m  
Dev 0.35 deg  
Azi 250.17 deg  
TVD 486.49m

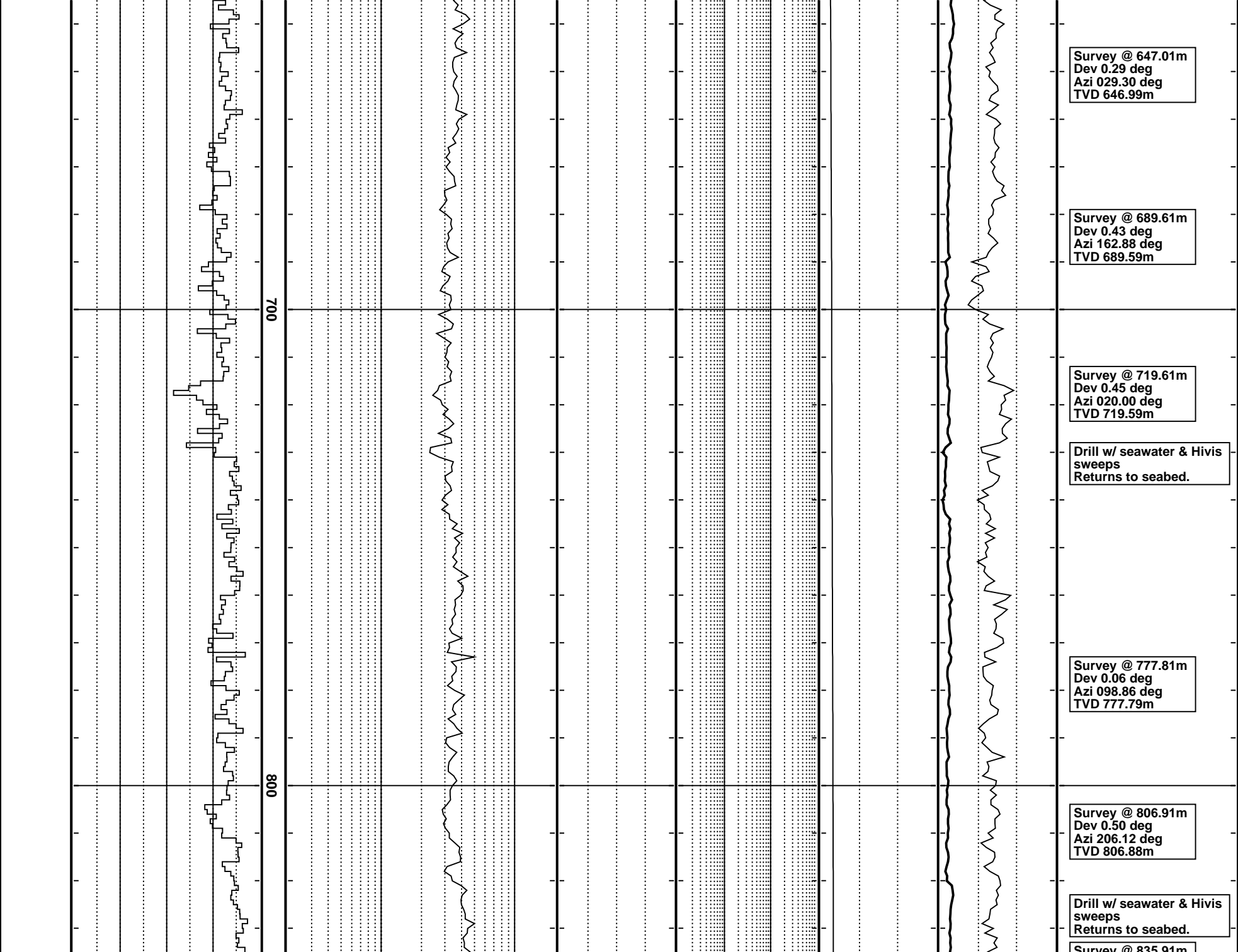
Survey @ 515.01m  
Dev 0.39 deg  
Azi 359.99 deg  
TVD 514.99m

Drill w/ seawater & Hivis  
sweeps  
Returns to seabed.

Survey @ 573.61m  
Dev 0.14 deg  
Azi 199.31 deg  
TVD 573.59m

Survey @ 603.21m  
Dev 1.01 deg  
Azi 174.66 deg  
TVD 603.19m

Drill w/ seawater & Hivis  
sweeps  
Returns to seabed.



Survey @ 647.01m  
Dev 0.29 deg  
Azi 029.30 deg  
TVD 646.99m

Survey @ 689.61m  
Dev 0.43 deg  
Azi 162.88 deg  
TVD 689.59m

Survey @ 719.61m  
Dev 0.45 deg  
Azi 020.00 deg  
TVD 719.59m

Drill w/ seawater & Hivis  
sweeps  
Returns to seabed.

Survey @ 777.81m  
Dev 0.06 deg  
Azi 098.86 deg  
TVD 777.79m

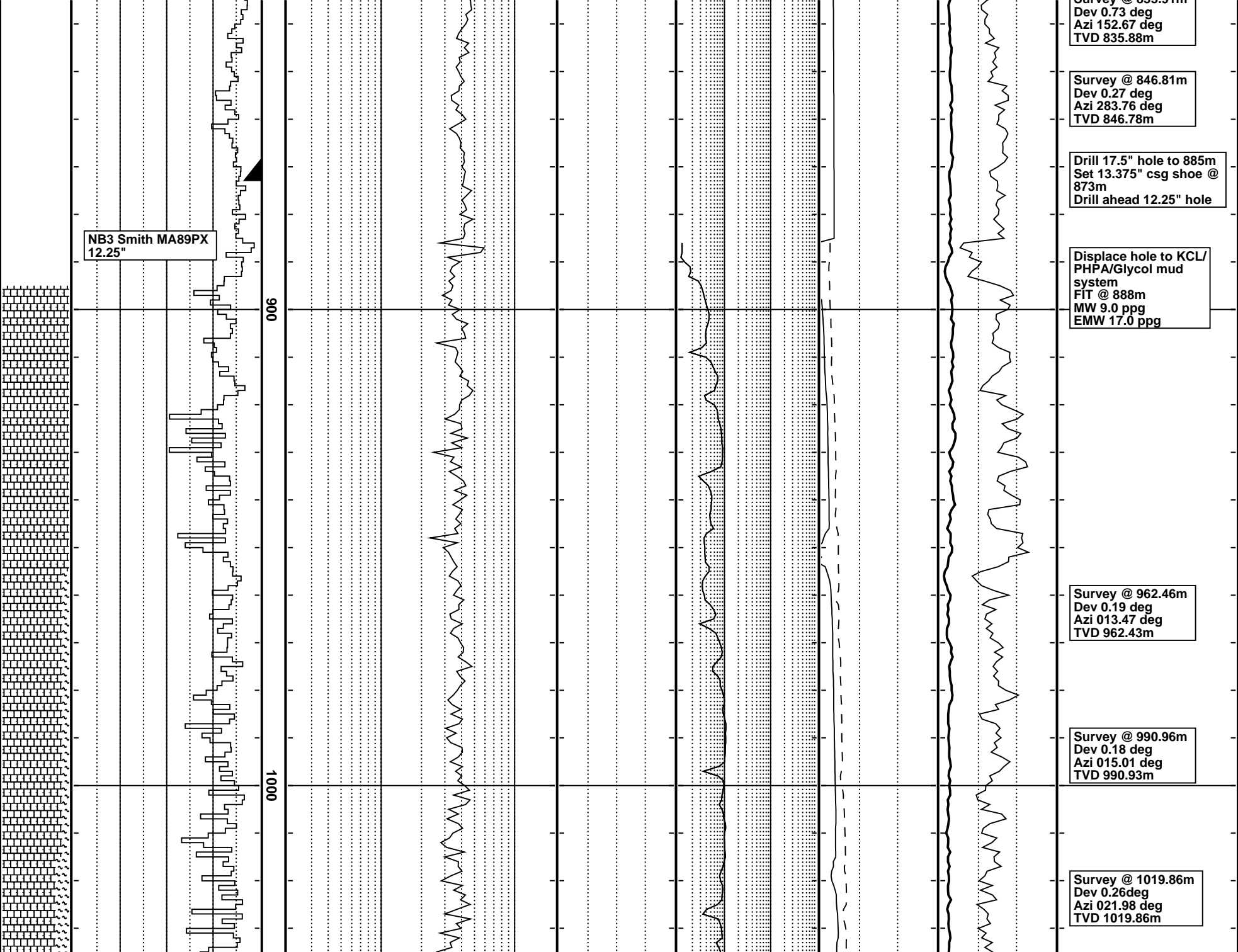
Survey @ 806.91m  
Dev 0.50 deg  
Azi 206.12 deg  
TVD 806.88m

Drill w/ seawater & Hivis  
sweeps  
Returns to seabed.

Survey @ 835.91m

700

800



NB3 Smith MA89PX  
12.25"

006

1000

Survey @ 835.58m  
Dev 0.73 deg  
Azi 152.67 deg  
TVD 835.88m

Survey @ 846.81m  
Dev 0.27 deg  
Azi 283.76 deg  
TVD 846.78m

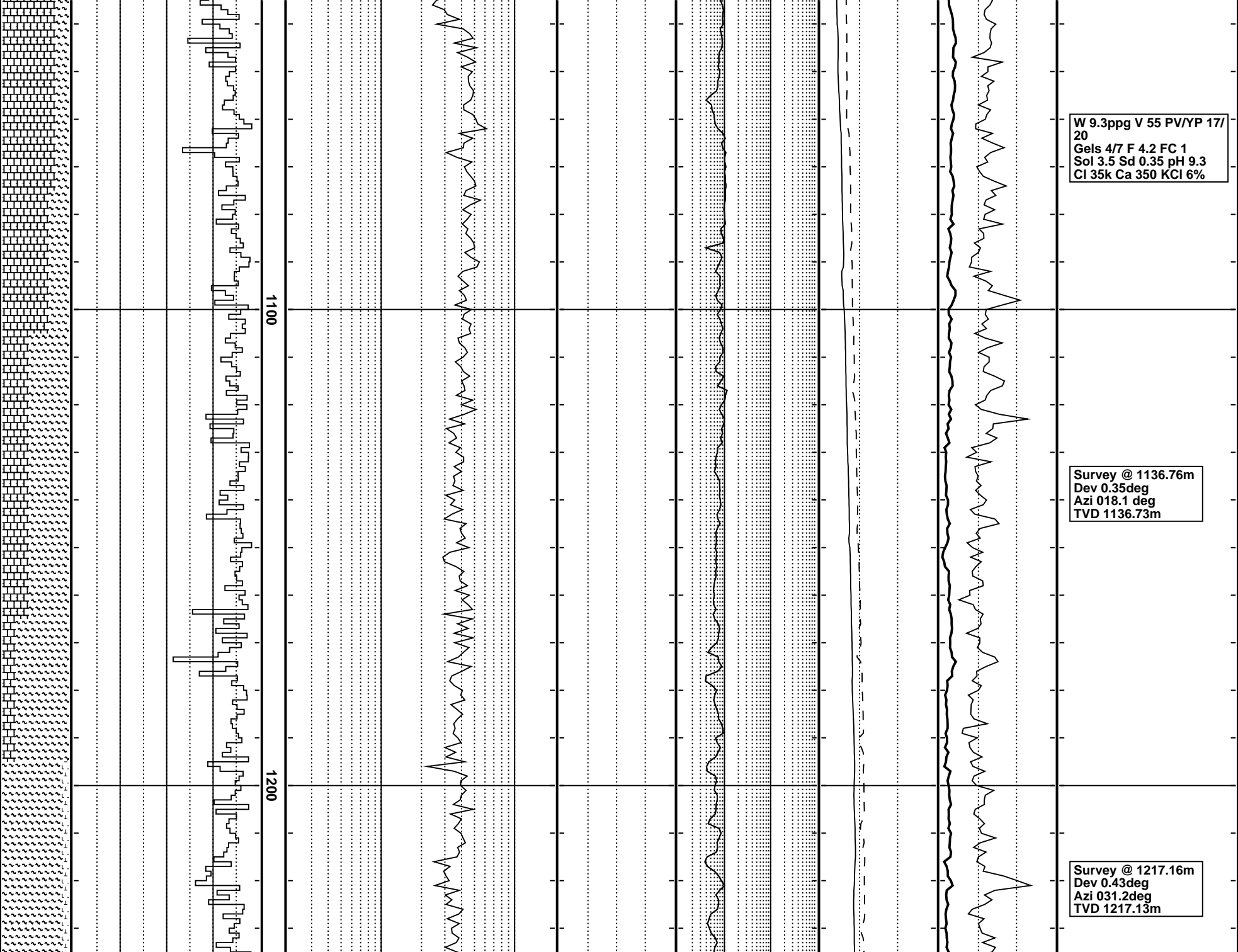
Drill 17.5" hole to 885m  
Set 13.375" csg shoe @  
873m  
Drill ahead 12.25" hole

Displace hole to KCL/  
PHPA/Glycol mud  
system  
FIT @ 888m  
MW 9.0 ppg  
EMW 17.0 ppg

Survey @ 962.46m  
Dev 0.19 deg  
Azi 013.47 deg  
TVD 962.43m

Survey @ 990.96m  
Dev 0.18 deg  
Azi 015.01 deg  
TVD 990.93m

Survey @ 1019.86m  
Dev 0.26deg  
Azi 021.98 deg  
TVD 1019.86m



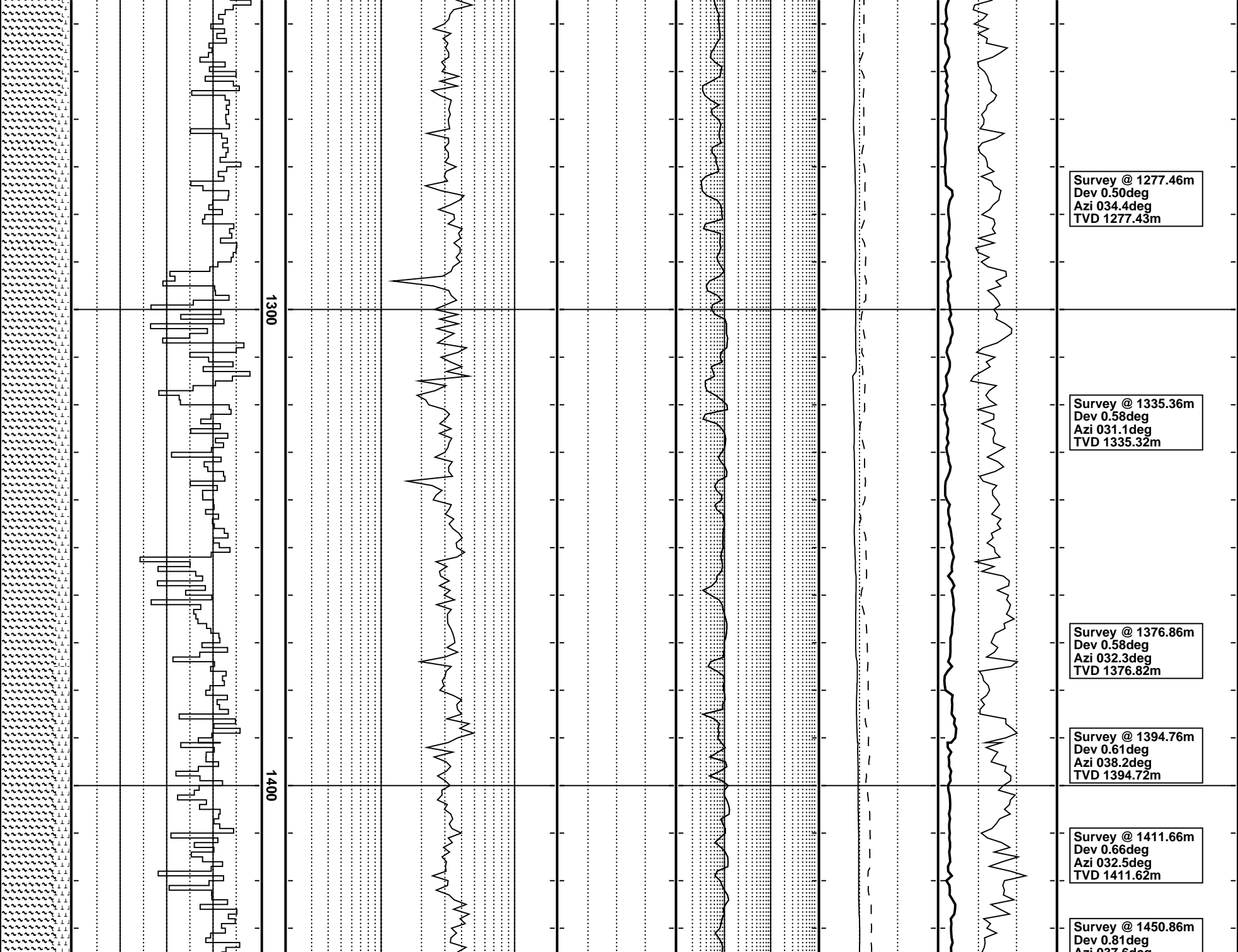
W 9.3ppg V 55 PV/YP 17/  
20  
Gels 4/7 F 4.2 FC 1  
Sol 3.5 Sd 0.35 pH 9.3  
Cl 35k Ca 350 KCl 6%

Survey @ 1136.76m  
Dev 0.35deg  
Azi 018.1 deg  
TVD 1136.73m

Survey @ 1217.16m  
Dev 0.43deg  
Azi 031.2deg  
TVD 1217.13m

1100

1200



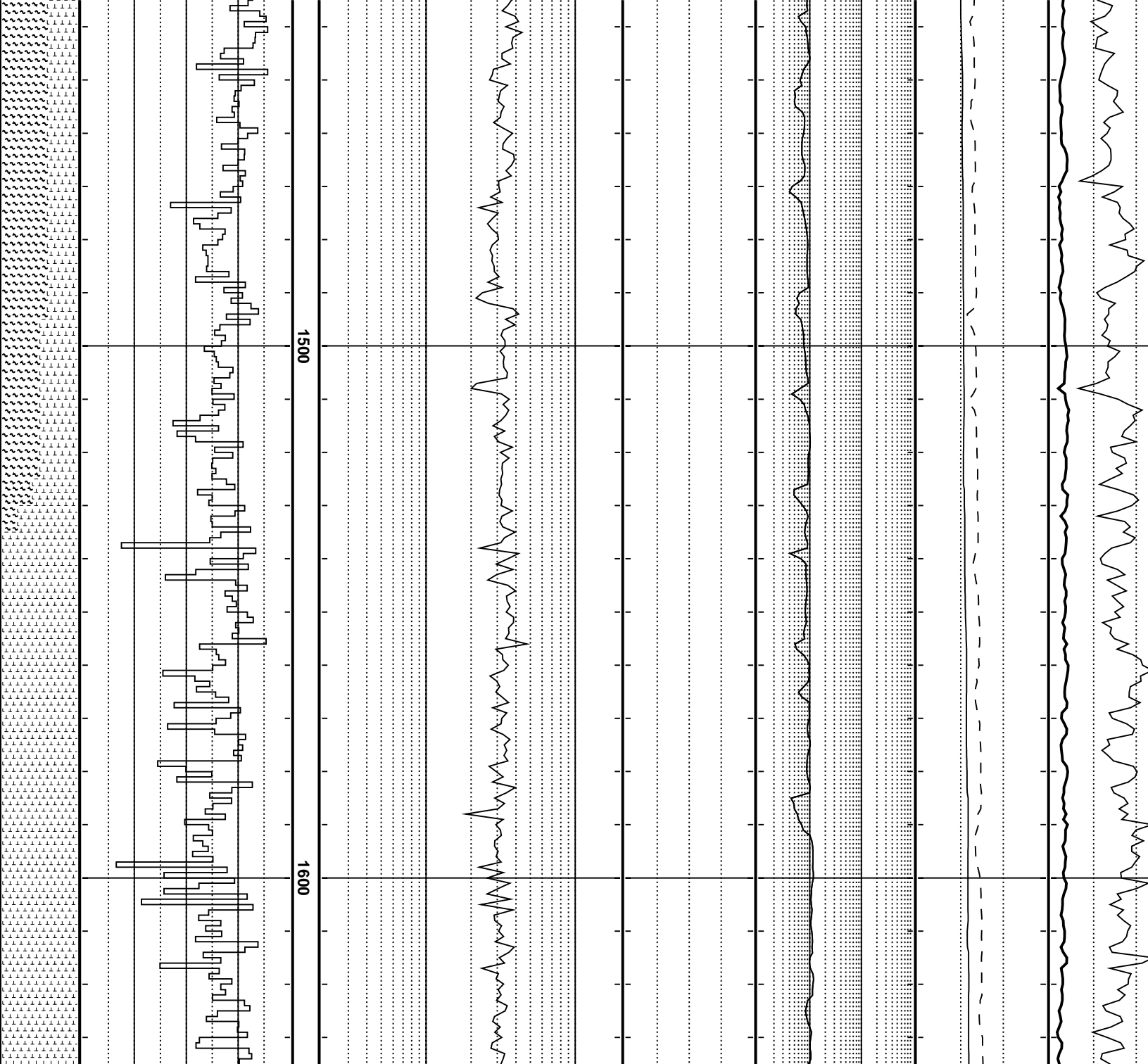
Azi 037.6deg  
TVD 1450.82m

Carbide check @ 1449m  
Theo strks = 6612  
Actl strks = 7100  
Avg Hole Size 13.3"

W 9.6ppg V 55 PV/YP 17/  
26  
Gels 5/7 F 3.4 FC 1  
Sol 4.4 Sd 0.5 pH 9.4  
Cl 37k Ca 300 KCl 5.6%

Survey @ 1543.26m  
Dev 0.90deg  
Azi 036.6deg  
TVD 1543.21m

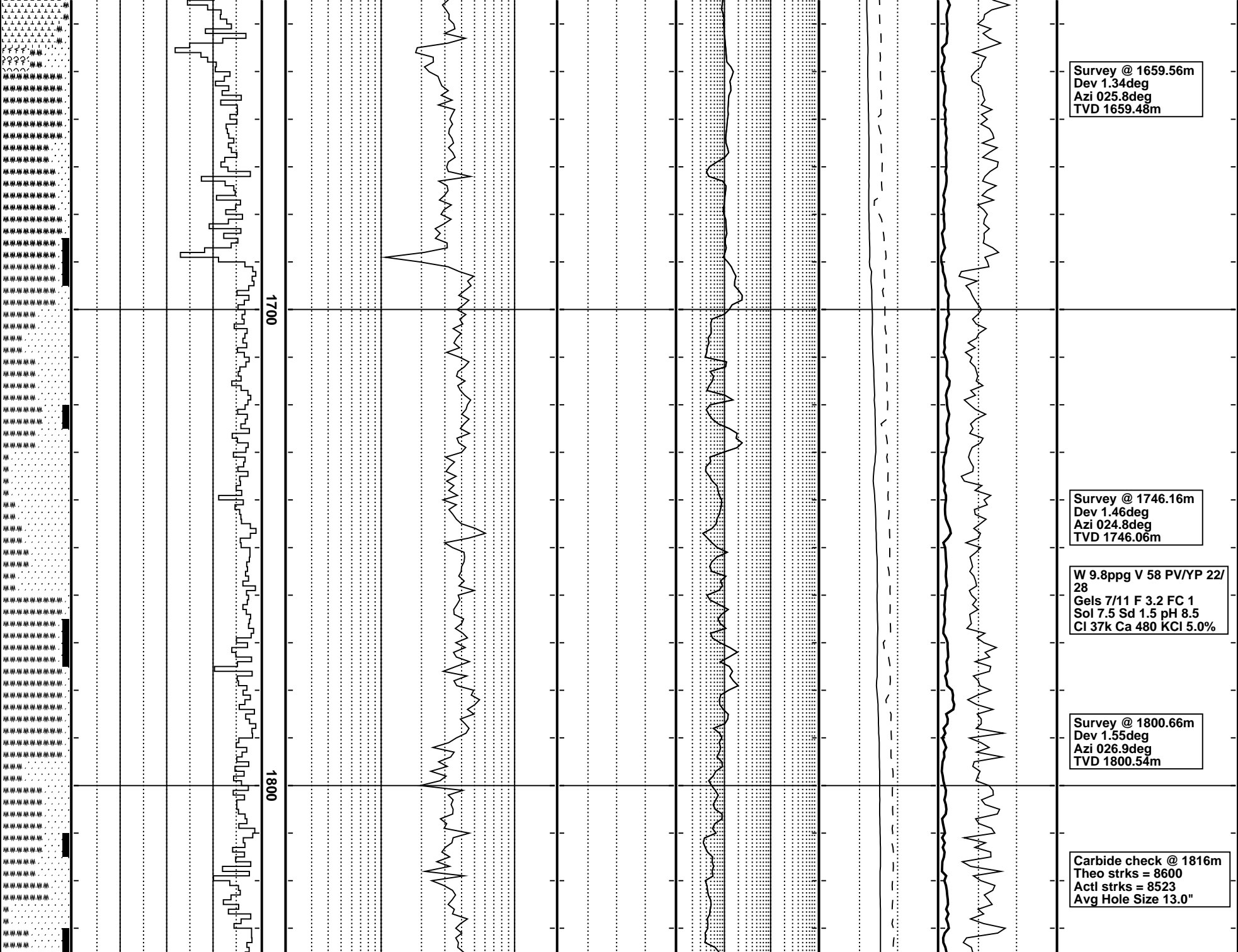
Discontinue calcimetry  
due to addition of  
Baracarb LCM (CaCO3)  
to mud system



1500

1600





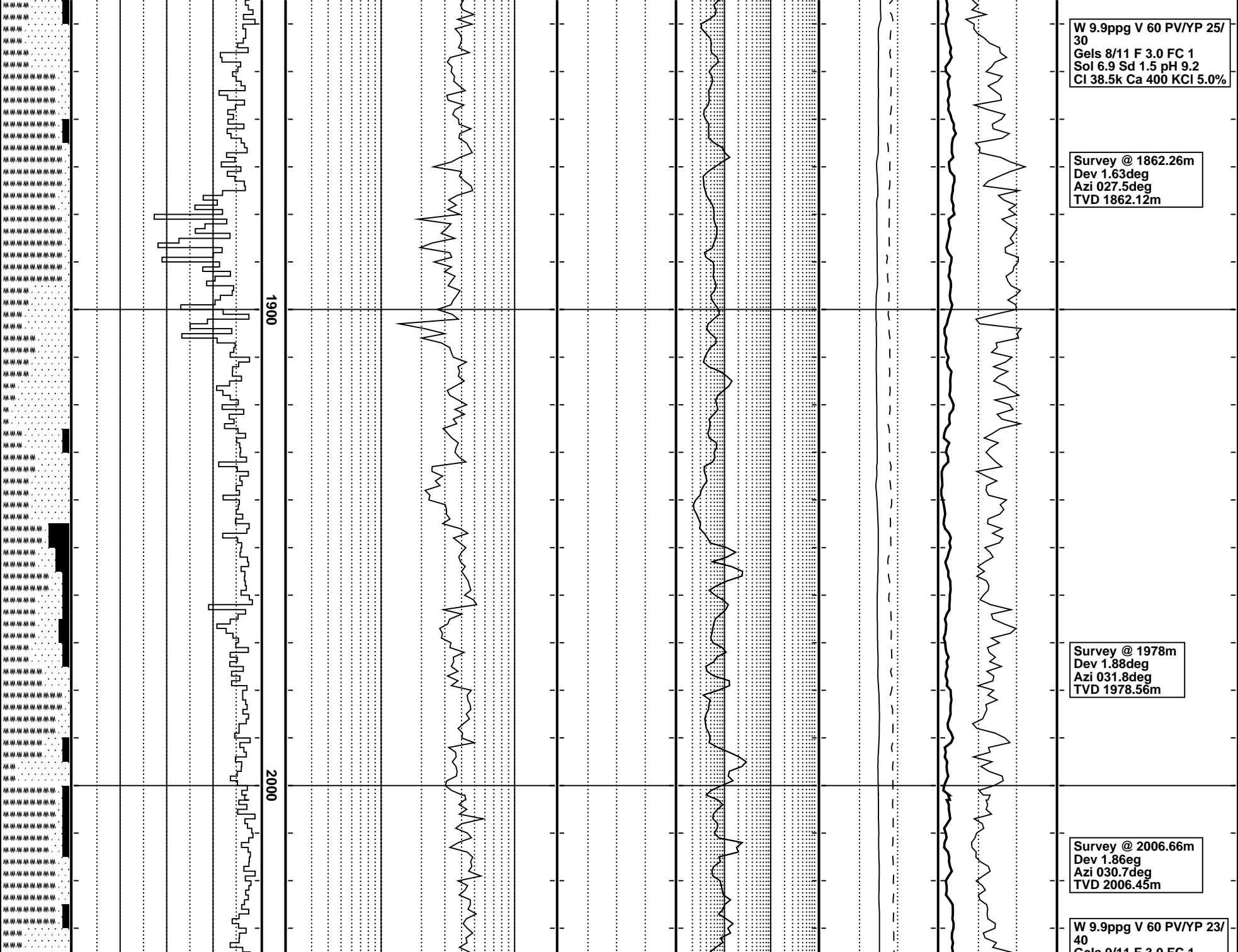
Survey @ 1659.56m  
Dev 1.34deg  
Azi 025.8deg  
TVD 1659.48m

Survey @ 1746.16m  
Dev 1.46deg  
Azi 024.8deg  
TVD 1746.06m

W 9.8ppg V 58 PV/YP 22/  
28  
Gels 7/11 F 3.2 FC 1  
Sol 7.5 Sd 1.5 pH 8.5  
Cl 37k Ca 480 KCl 5.0%

Survey @ 1800.66m  
Dev 1.55deg  
Azi 026.9deg  
TVD 1800.54m

Carbide check @ 1816m  
Theo strks = 8600  
Actl strks = 8523  
Avg Hole Size 13.0"



W 9.9ppg V 60 PV/YP 25/  
30  
Gels 8/11 F 3.0 FC 1  
Sol 6.9 Sd 1.5 pH 9.2  
CI 38.5k Ca 400 KCl 5.0%

Survey @ 1862.26m  
Dev 1.63deg  
Azi 027.5deg  
TVD 1862.12m

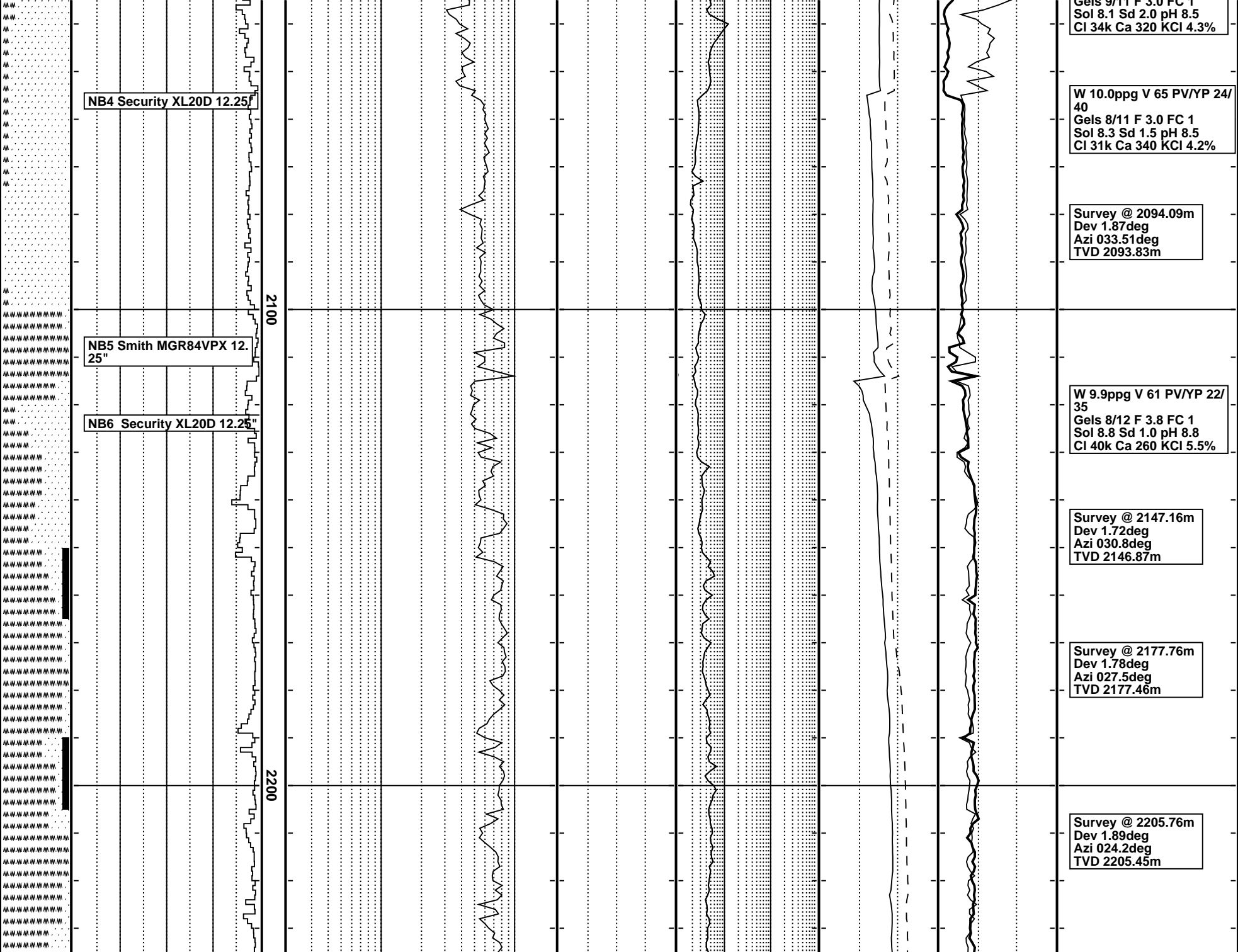
Survey @ 1978m  
Dev 1.88deg  
Azi 031.8deg  
TVD 1978.56m

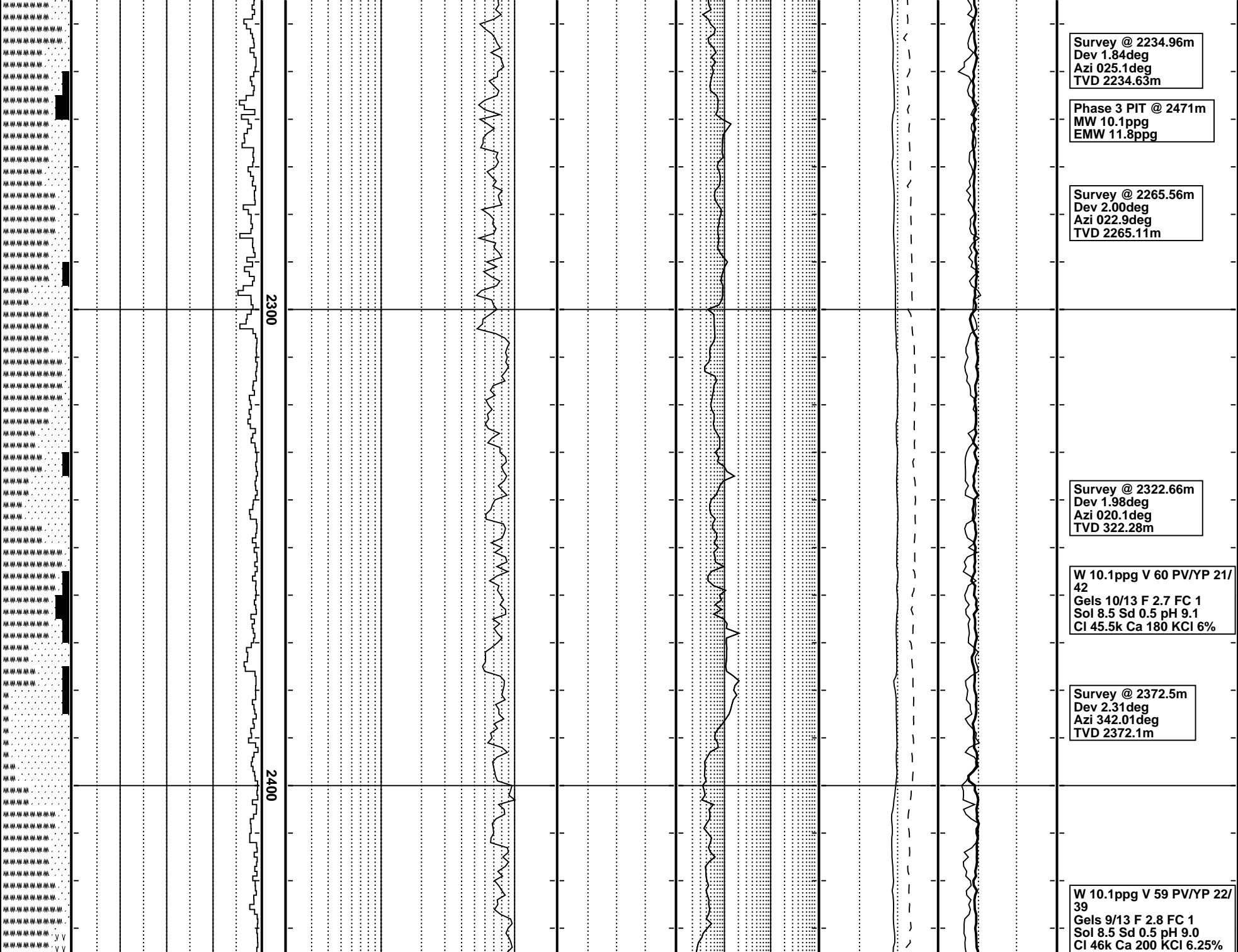
Survey @ 2006.66m  
Dev 1.86deg  
Azi 030.7deg  
TVD 2006.45m

W 9.9ppg V 60 PV/YP 23/  
40  
Gels 8/11 F 3.0 FC 1

1900

2000





Survey @ 2234.96m  
Dev 1.84deg  
Azi 025.1deg  
TVD 2234.63m

Phase 3 PIT @ 2471m  
MW 10.1ppg  
EMW 11.8ppg

Survey @ 2265.56m  
Dev 2.00deg  
Azi 022.9deg  
TVD 2265.11m

Survey @ 2322.66m  
Dev 1.98deg  
Azi 020.1deg  
TVD 322.28m

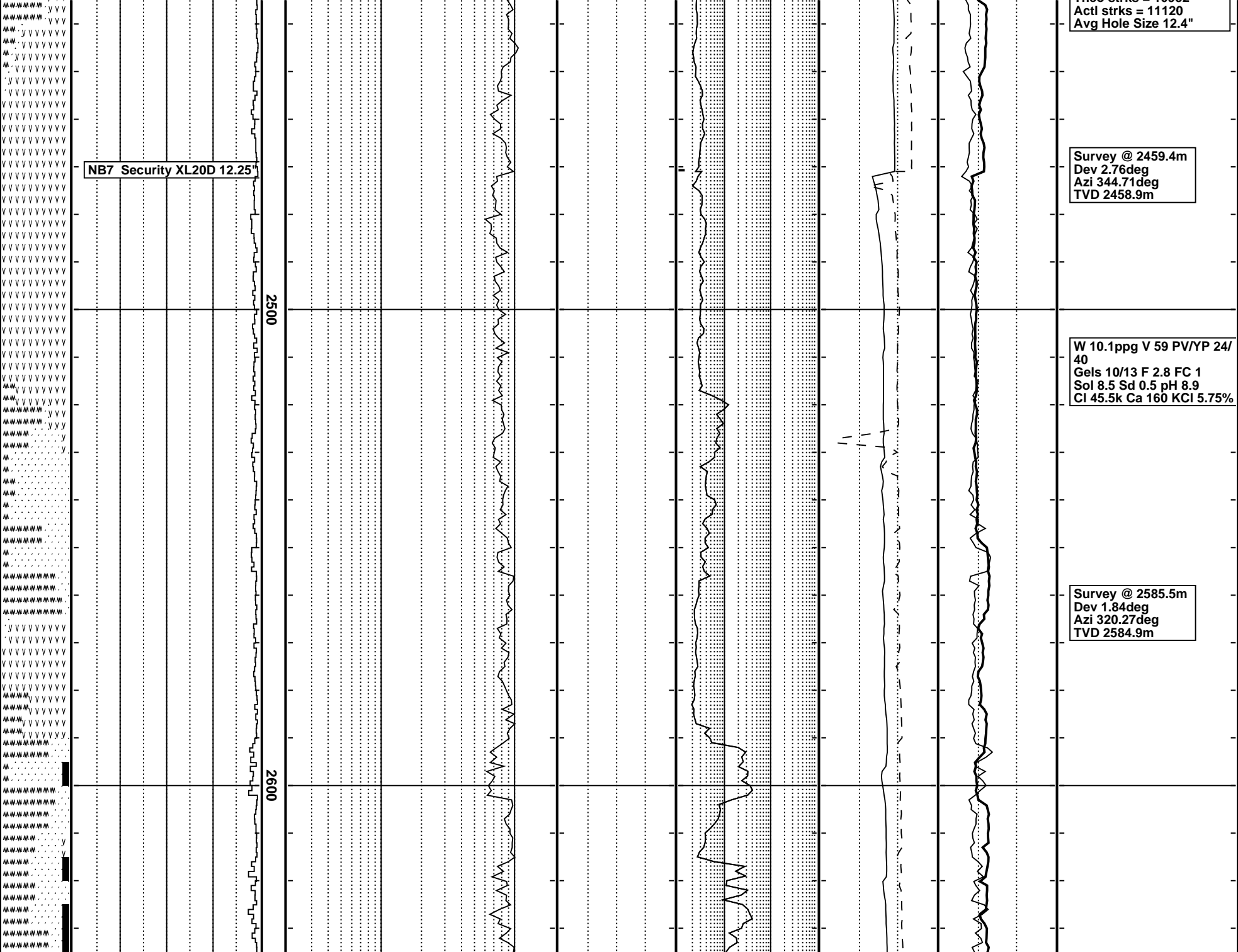
W 10.1ppg V 60 PV/YP 21/  
42  
Gels 10/13 F 2.7 FC 1  
Sol 8.5 Sd 0.5 pH 9.1  
Cl 45.5k Ca 180 KCl 6%

Survey @ 2372.5m  
Dev 2.31deg  
Azi 342.01deg  
TVD 2372.1m

W 10.1ppg V 59 PV/YP 22/  
39  
Gels 9/13 F 2.8 FC 1  
Sol 8.5 Sd 0.5 pH 9.0  
Cl 46k Ca 200 KCl 6.25%

2300

2400



NB7 Security XL20D 12.25"

Actl strks = 11120  
Avg Hole Size 12.4"

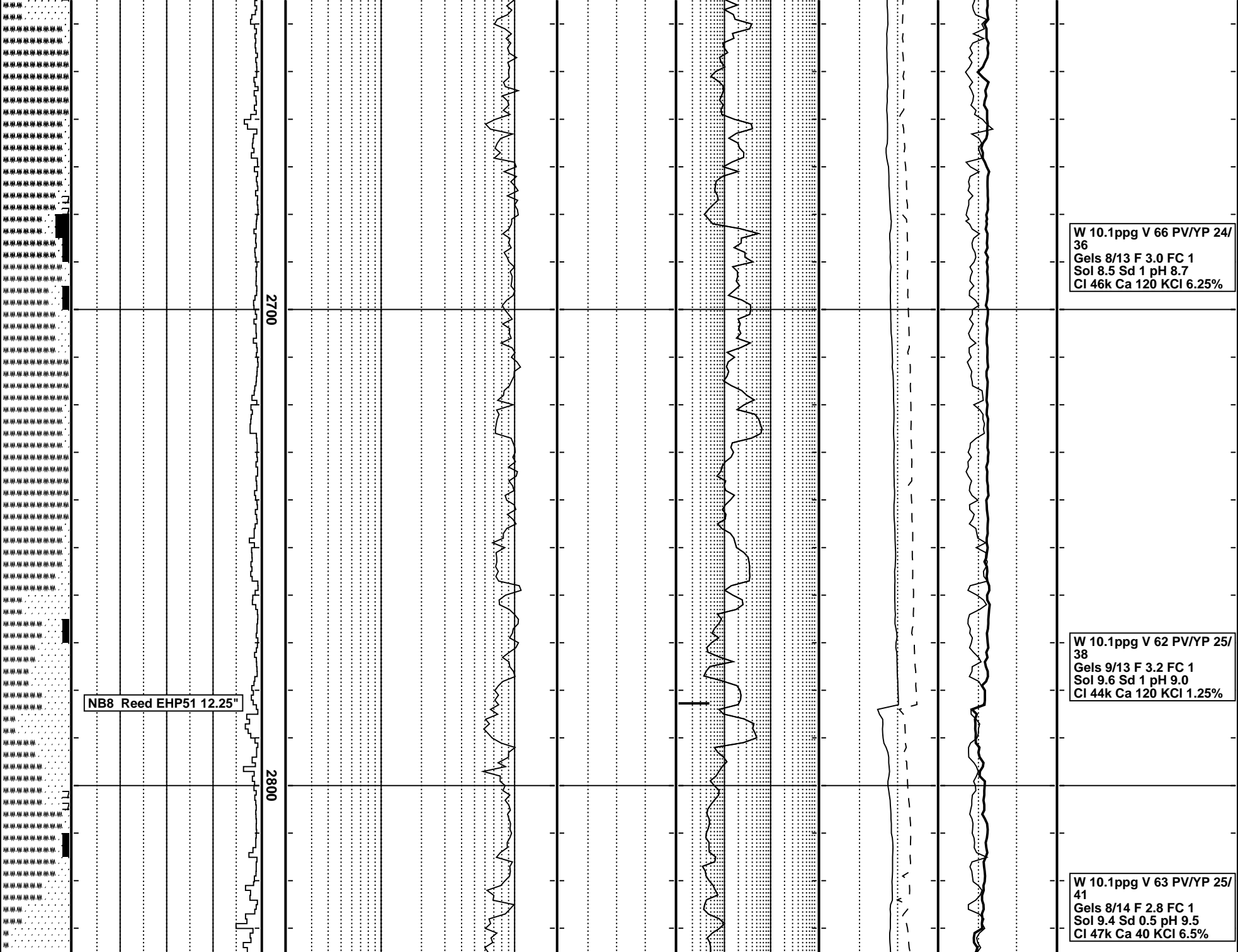
Survey @ 2459.4m  
Dev 2.76deg  
Azi 344.71deg  
TVD 2458.9m

W 10.1ppg V 59 PV/YP 24/  
40  
Gels 10/13 F 2.8 FC 1  
Sol 8.5 Sd 0.5 pH 8.9  
Cl 45.5k Ca 160 KCl 5.75%

Survey @ 2585.5m  
Dev 1.84deg  
Azi 320.27deg  
TVD 2584.9m

2500

2600



NB8 Reed EHP51 12.25"

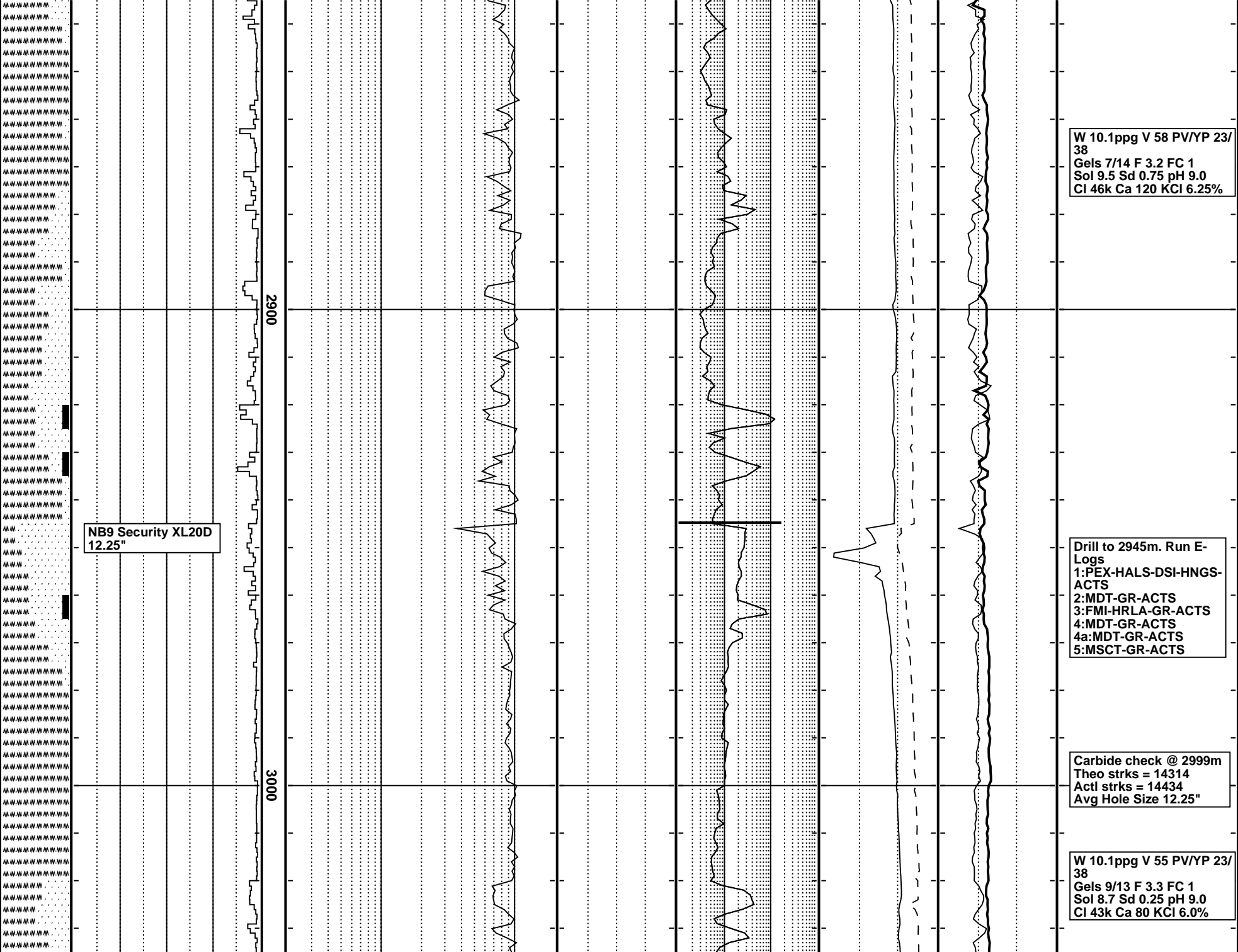
2700

2800

W 10.1ppg V 66 PV/YP 24/  
36  
Gels 8/13 F 3.0 FC 1  
Sol 8.5 Sd 1 pH 8.7  
Cl 46k Ca 120 KCl 6.25%

W 10.1ppg V 62 PV/YP 25/  
38  
Gels 9/13 F 3.2 FC 1  
Sol 9.6 Sd 1 pH 9.0  
Cl 44k Ca 120 KCl 1.25%

W 10.1ppg V 63 PV/YP 25/  
41  
Gels 8/14 F 2.8 FC 1  
Sol 9.4 Sd 0.5 pH 9.5  
Cl 47k Ca 40 KCl 6.5%



W 10.1ppg V 58 PV/YP 23/38  
Gels 7/14 F 3.2 FC 1  
Sol 9.5 Sd 0.75 pH 9.0  
Cl 46k Ca 120 KCl 6.25%

NB9 Security XL20D  
12.25"

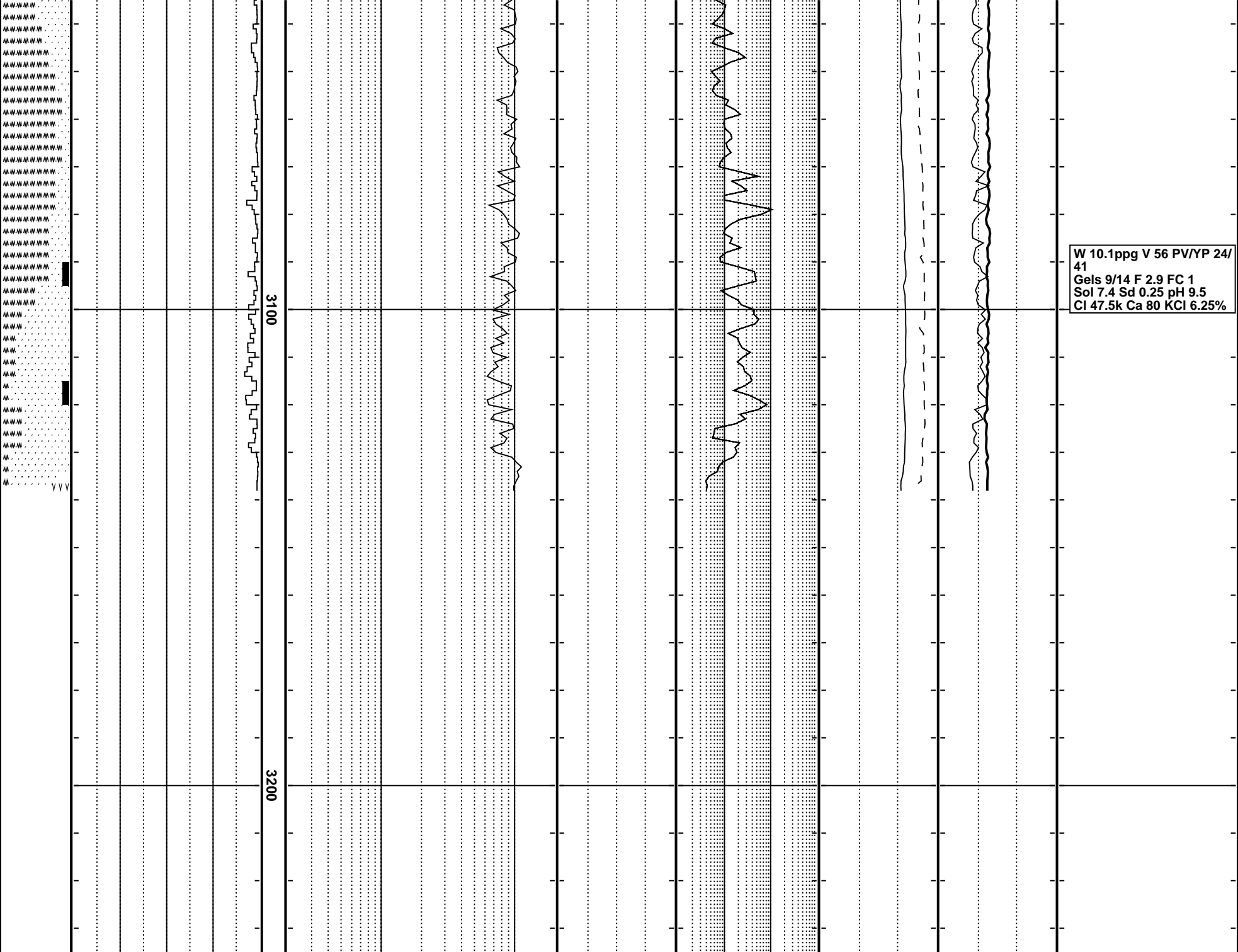
Drill to 2945m. Run E-Logs  
1:PEX-HALS-DSI-HNGS-ACTS  
2:MDT-GR-ACTS  
3:FMI-HRLA-GR-ACTS  
4:MDT-GR-ACTS  
4a:MDT-GR-ACTS  
5:MSCT-GR-ACTS

Carbide check @ 2999m  
Theo strks = 14314  
Actl strks = 14434  
Avg Hole Size 12.25"

W 10.1ppg V 55 PV/YP 23/38  
Gels 9/13 F 3.3 FC 1  
Sol 8.7 Sd 0.25 pH 9.0  
Cl 43k Ca 80 KCl 6.0%

2900

3000



Legend patterns and symbols including 'VV' at the bottom.

3100

3200

W 10.1ppg V 56 PV/YP 24/  
41  
Gels 9/14 F 2.9 FC 1  
Sol 7.4 Sd 0.25 pH 9.5  
Cl 47.5k Ca 80 KCl 6.25%