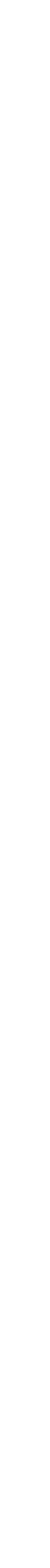
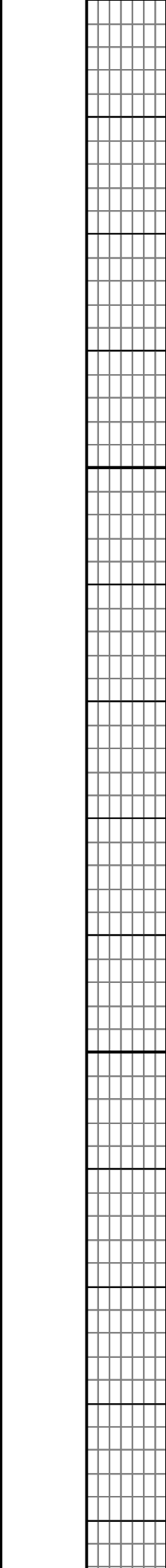
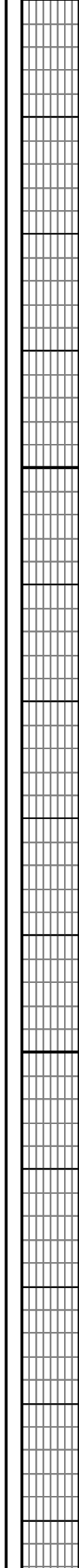
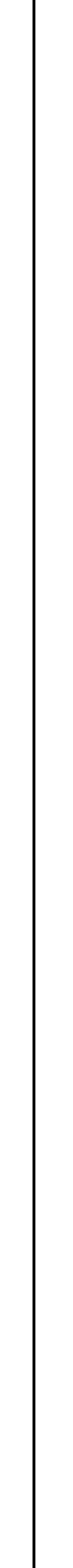
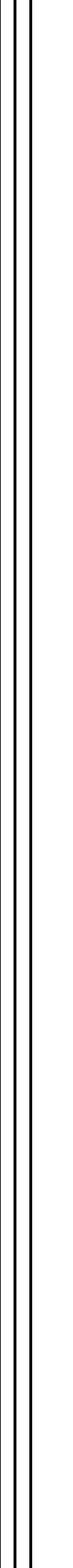
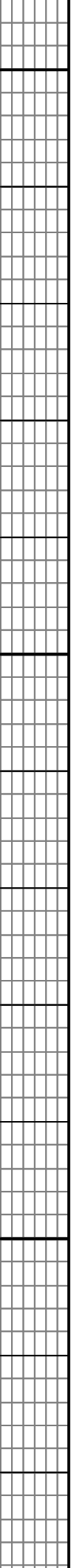
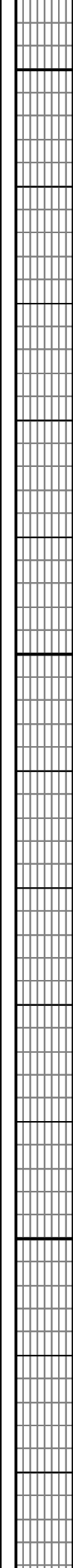
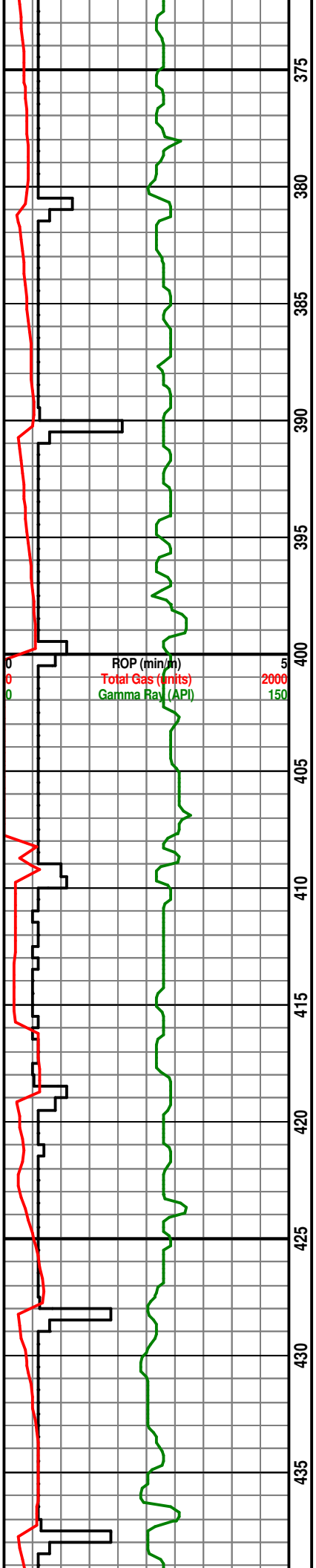
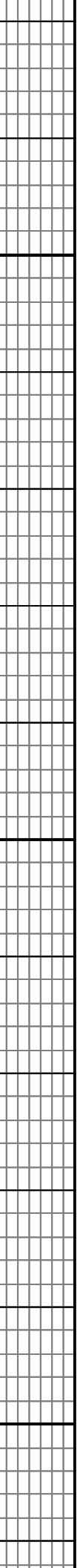
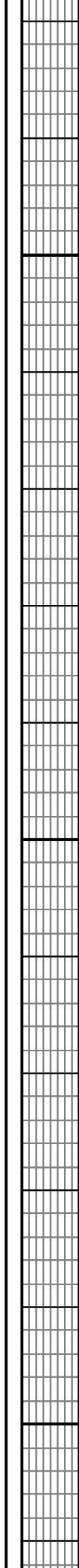
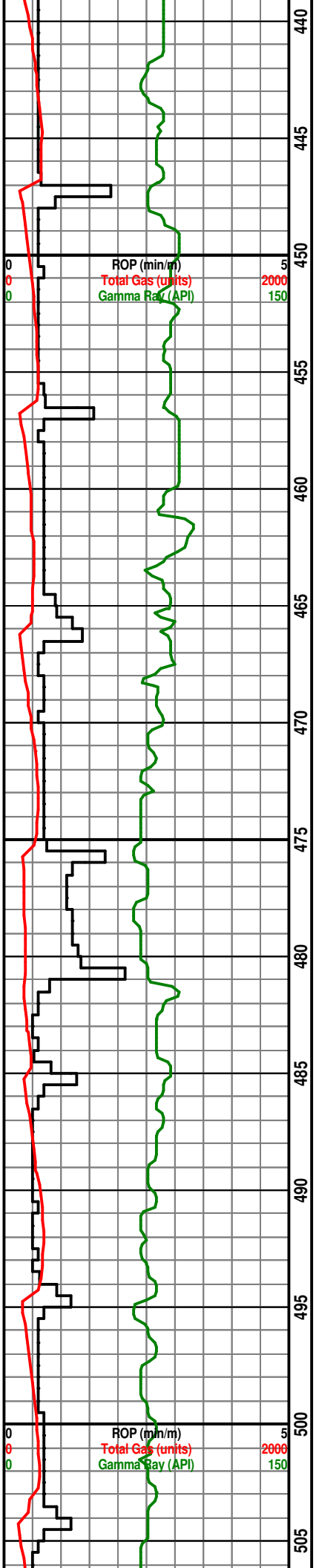
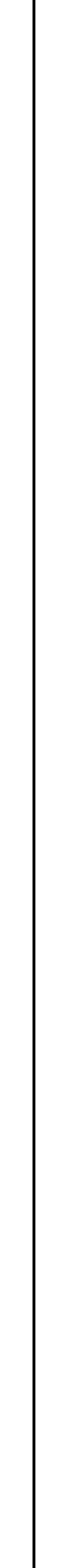
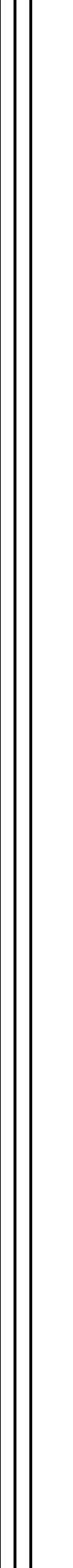
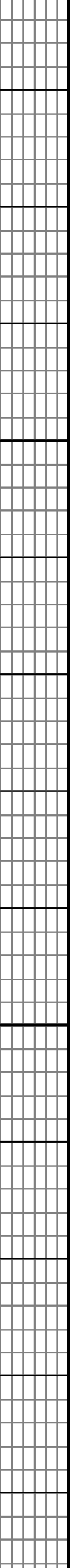
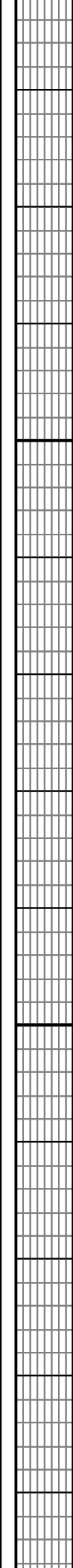
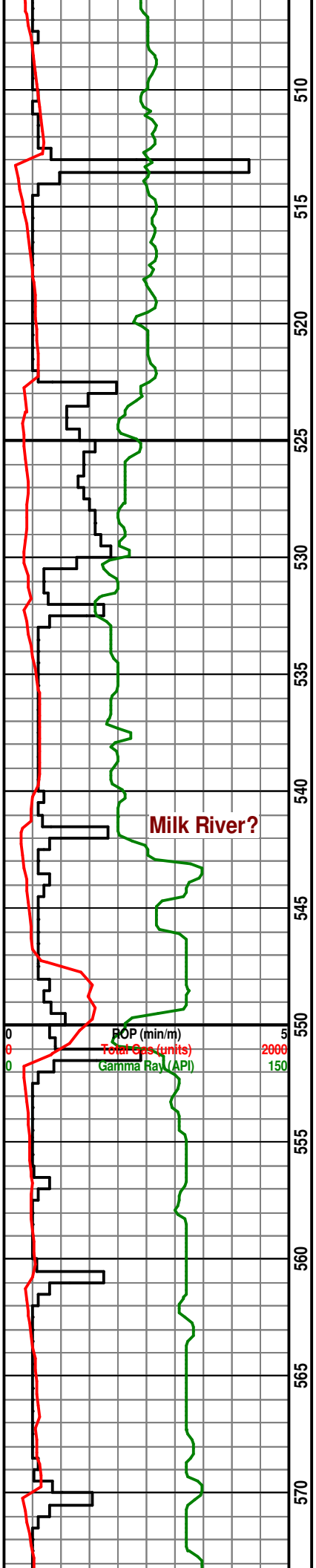


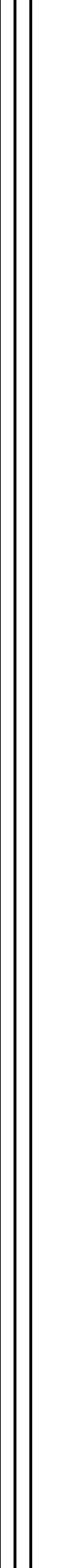
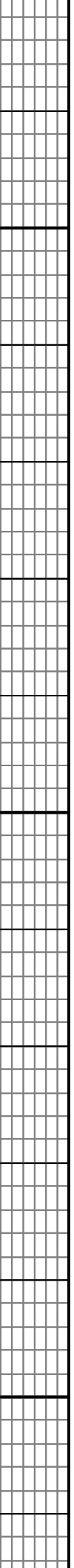
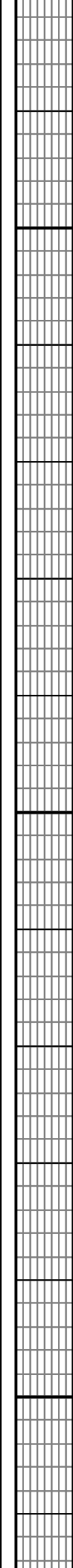
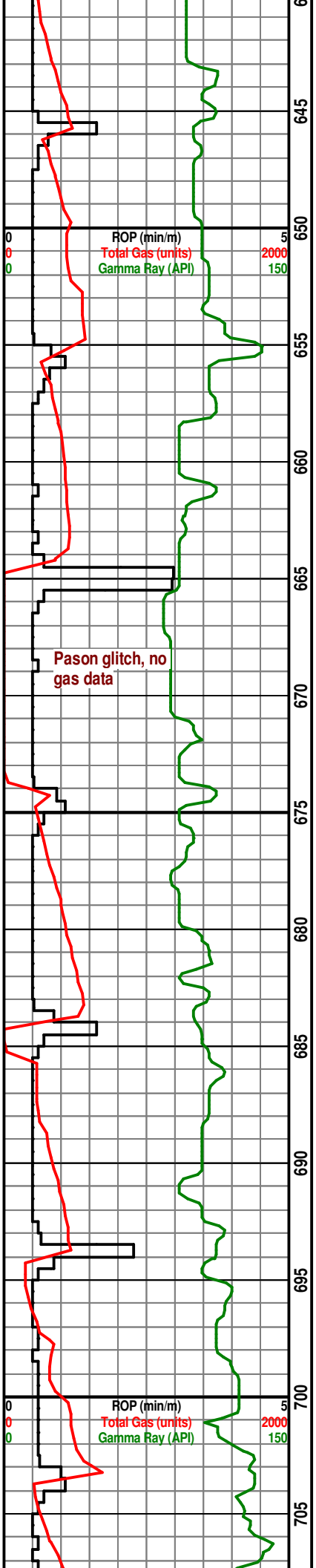
0 ROP (min/hr)
 0 Total Gas (units) 2000
 0 Gamma Ray (API) 150

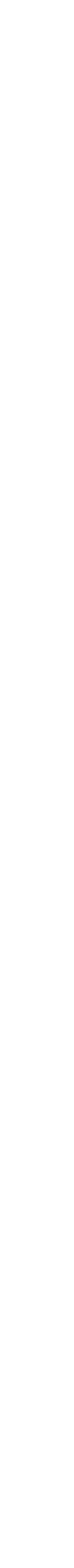
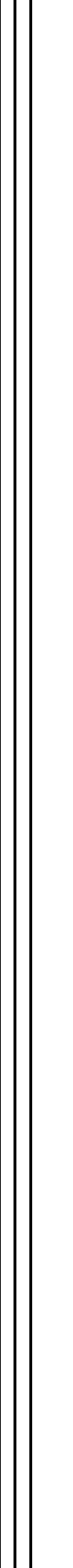
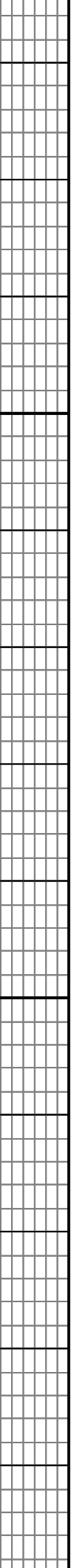
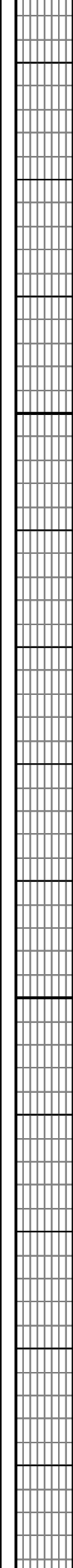
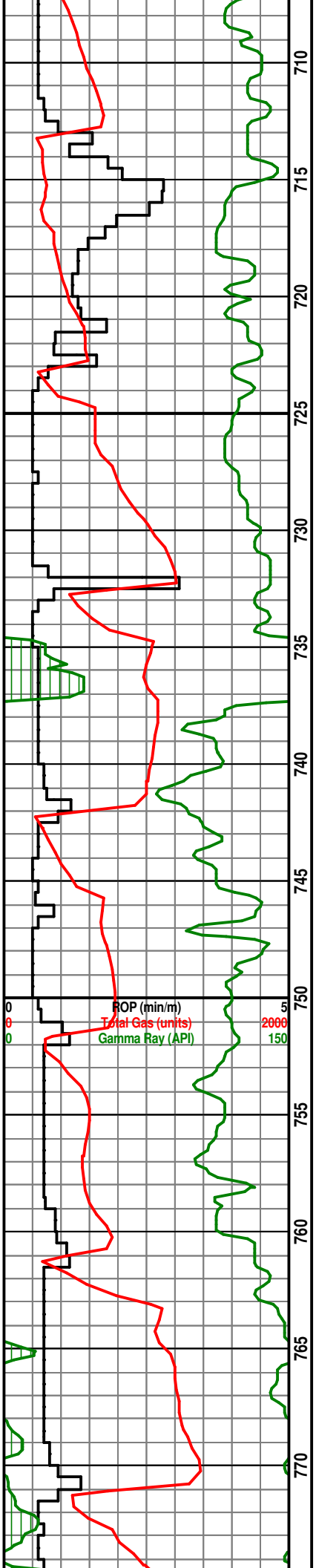


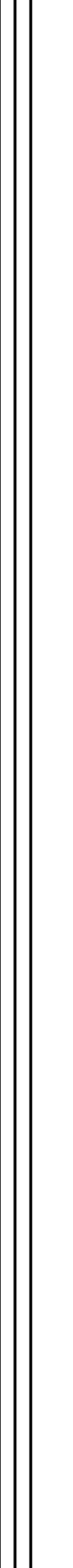
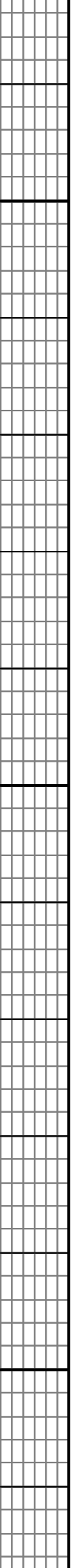
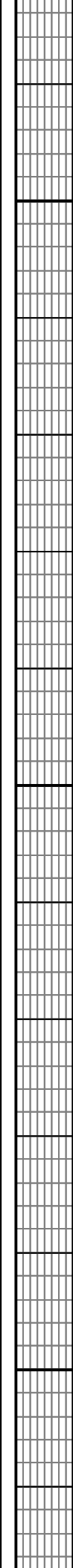
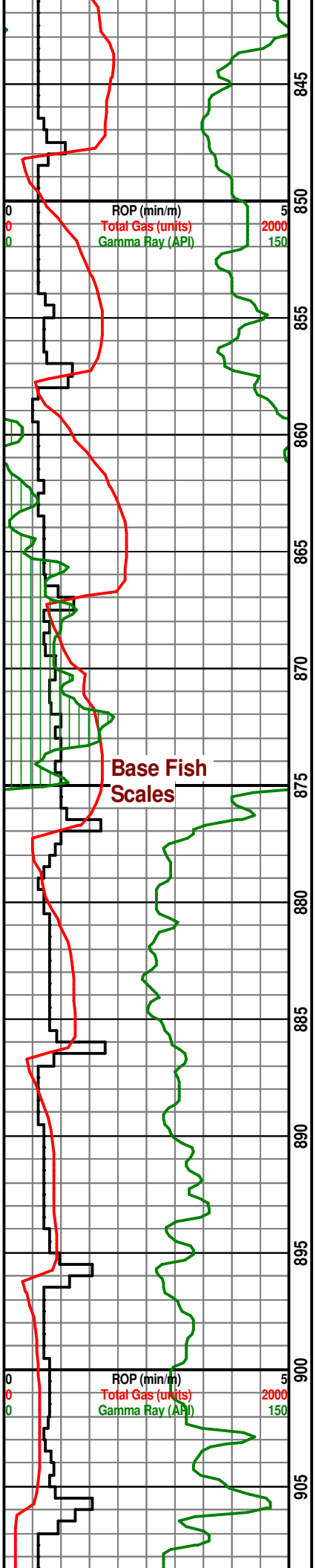


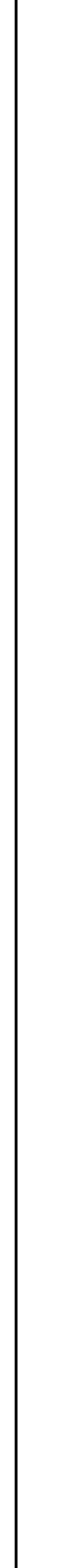
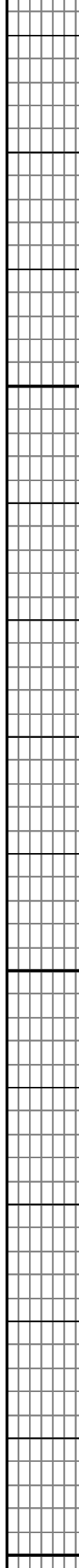
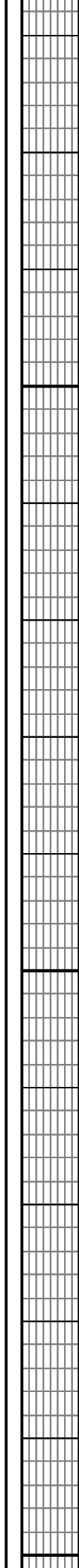
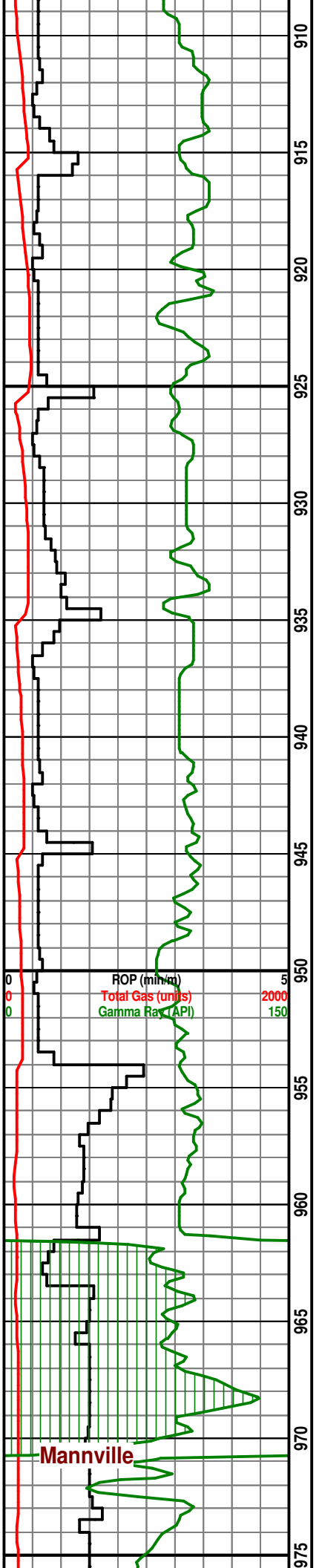


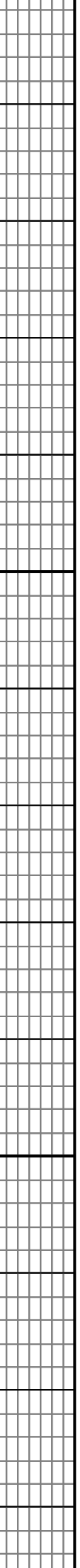
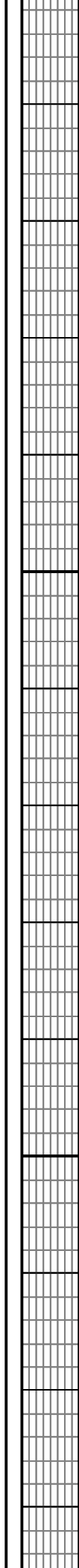
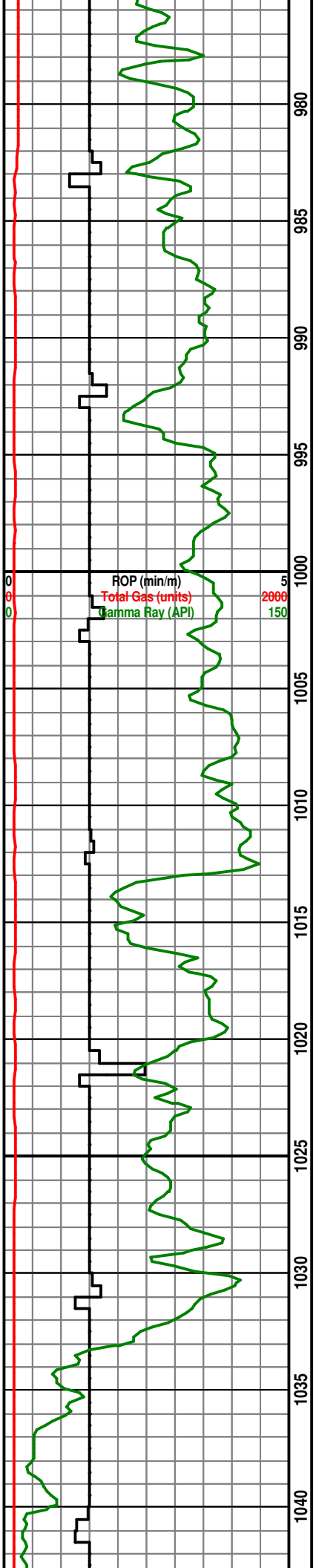


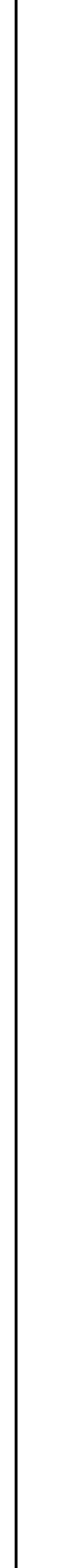
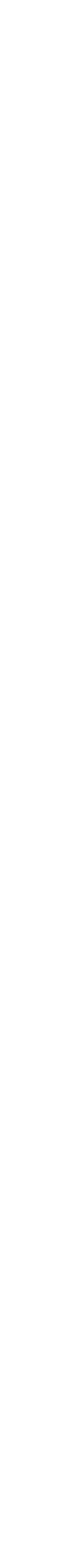
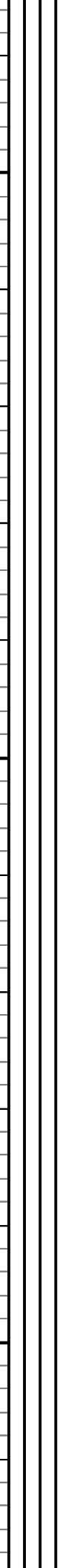
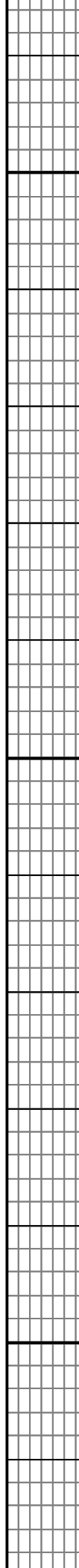
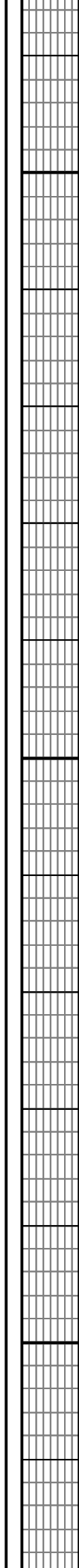
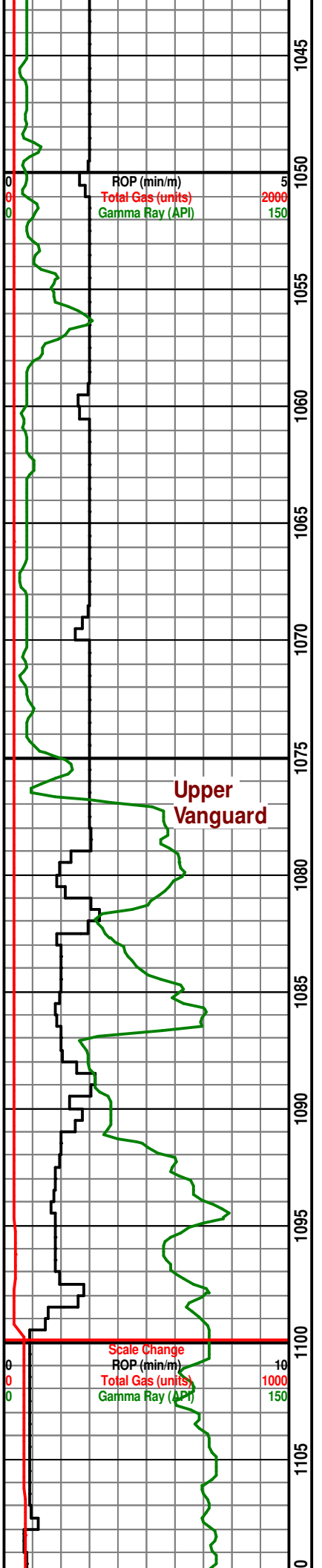


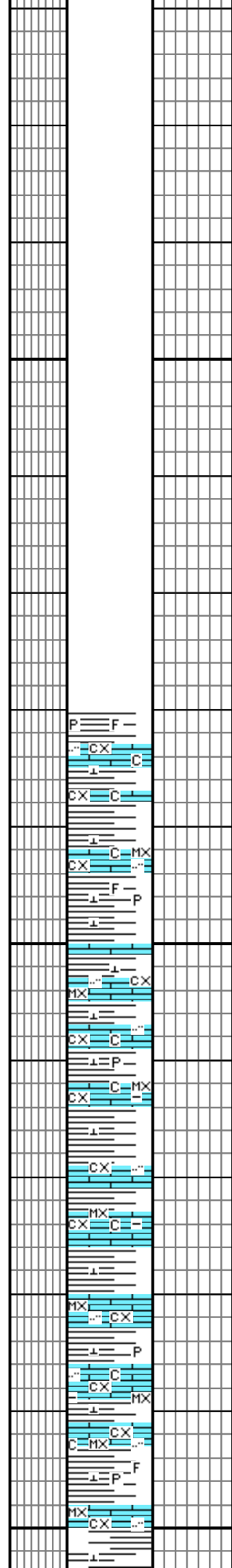
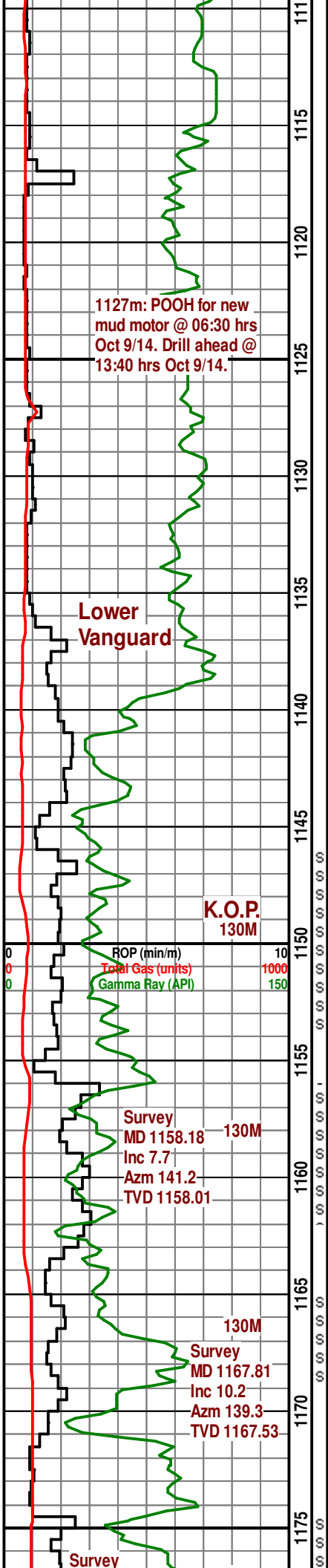












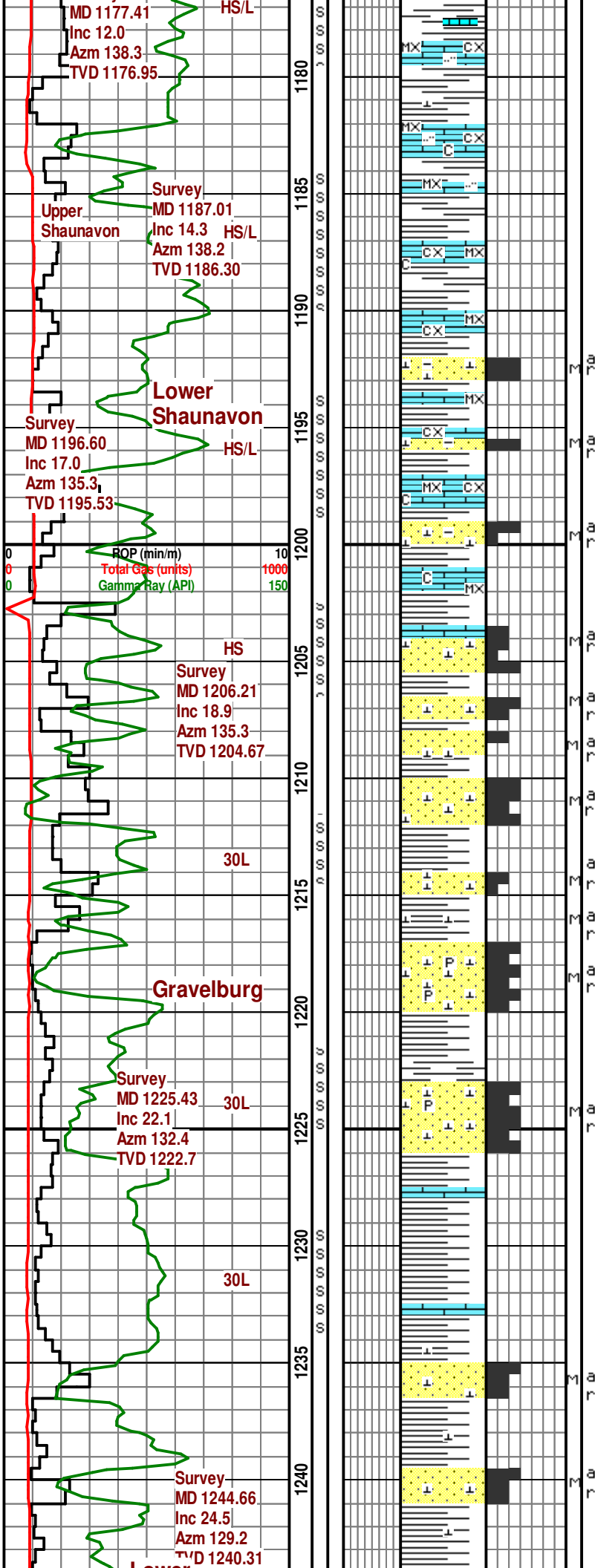
Sample point 1145.0m penetrated @ 14:10 hrs Oct 9/14.

1139.91 - 1149.88 TVD :Sh, mnr Lms & tr fos frags & pyr nods.
Sh: lt to m gy. Sbply to sbbly, & sl calc.
Lms: wht to m gy. Ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt. n/s.

1149.88 - 1169.68 TVD :Sh and Lms & tr pyr nods.
Sh: lt to m gy. Sbply to sbbly, & calc ip.
Lms: wht to m gy. Ctngs arg ip & sl silty. Crpxl to micxl, chky ip & app tt. n/s.

1169.68 - 1174.58 TVD :Sh, mnr Lms & tr fos frags & pyr nods.
Sh: lt to m gy. Sbply to sbbly, & calc ip.
Lms: wht to lt gy. Ctngs arg ip & sl silty. Crpxl to micxl, chky ip & app tt. n/s.

1174.58 - 1184.34 TVD :Shs, mnr Lms.
Sh: lt to m gy. Sbply to sbbly, & sl calc.



Sh: brk red. Pity to sbply & waxy ip.
 Sh: lt olive gn. Sbply to sbbly & waxy ip
 Lms: wh to lt gy. Ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt. n/s.

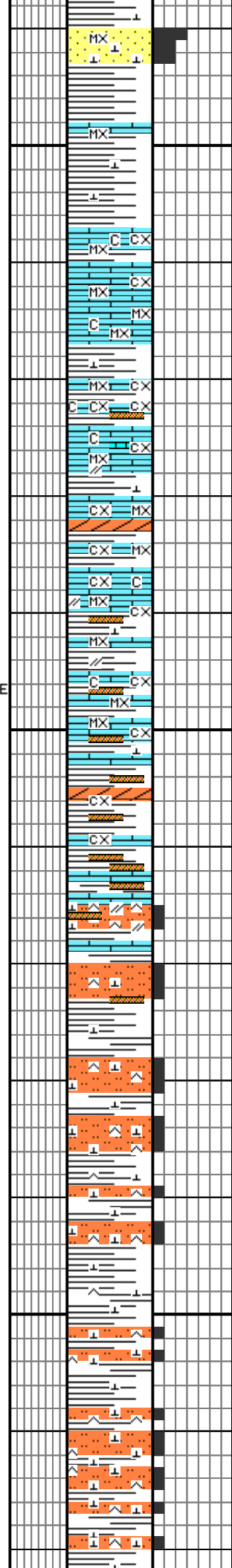
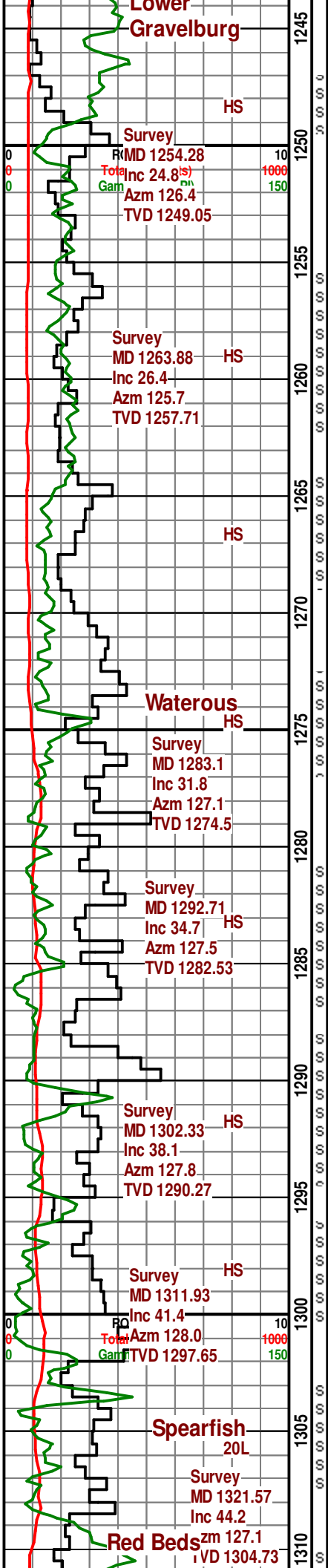
1184.34 - 1189.18 TVD :Shs, mnr Lms.
 Sh: lt to m gy. Sbply to sbbly, & sl calc.
 Sh: brk red. Pity to sbply & waxy ip.
 Sh: lt olive gn. Sbply to sbbly & waxy ip
 Lms: wh to lt gy. Ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt. n/s.

1189.18 - 1203.52 TVD :Shs, Lms & SS & tr sid & pyr nods.
 Sh: lt to m gy, sbply to sbbly & sl calc.
 Sh: brk red, Sbply to sbbly & waxy ip.
 Sh: lt olive gn. Sbply to sbbly & waxy ip.
 Lms: wh to lt gy. ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt. n/s.
 SS: silt sz to fn grnd, clr to fros qtz grns & thesr sbang to sbrnd & modr strtd. Agg sl arg & modr ind wi calc cmt & app tt. n/s.

1203.52 - 1226.90 TVD :Shs, SS, tr sid & pyr nods.
 Sh: lt to m gy, sbply to sbbly & sl calc.
 Sh: brk red, Sbply to sbbly & waxy ip.
 Sh: lt olive gn. Sbply to sbbly & waxy ip.
 SS: silt sz to fn grnd, clr to fros qtz grns & thesr sbang to sbrnd & modr strtd. Agg sl arg & modr ind wi calc cmt & app tt. n/s.

1226.90 - 1236.06 TVD :Shs, Lms, tr sid & pyr nods.
 Sh: lt to m gy, sbply to sbbly & sl calc.
 Sh: brk red, Sbply to sbbly & waxy ip.
 Sh: lt olive gn. Sbply to sbbly & waxy ip.
 Lms: wh to lt gy. ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt. n/s.

1236.06 - 1249.70 TVD :Shs, Lms & SS, tr sid & pyr nods.
 Sh: lt to m gy, sbply to sbbly & sl calc.
 Sh: brk red, Sbply to sbbly & waxy ip.
 Sh: lt olive gn. Sbply to sbbly & waxy ip.
 Lms: wh to lt gy. ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt. n/s.
 SS: silt sz to fn grnd, clr to fros qtz grns & thesr sbang to sbrnd & modr strtd. Agg sl arg & modr ind wi calc cmt & app tt. n/s.



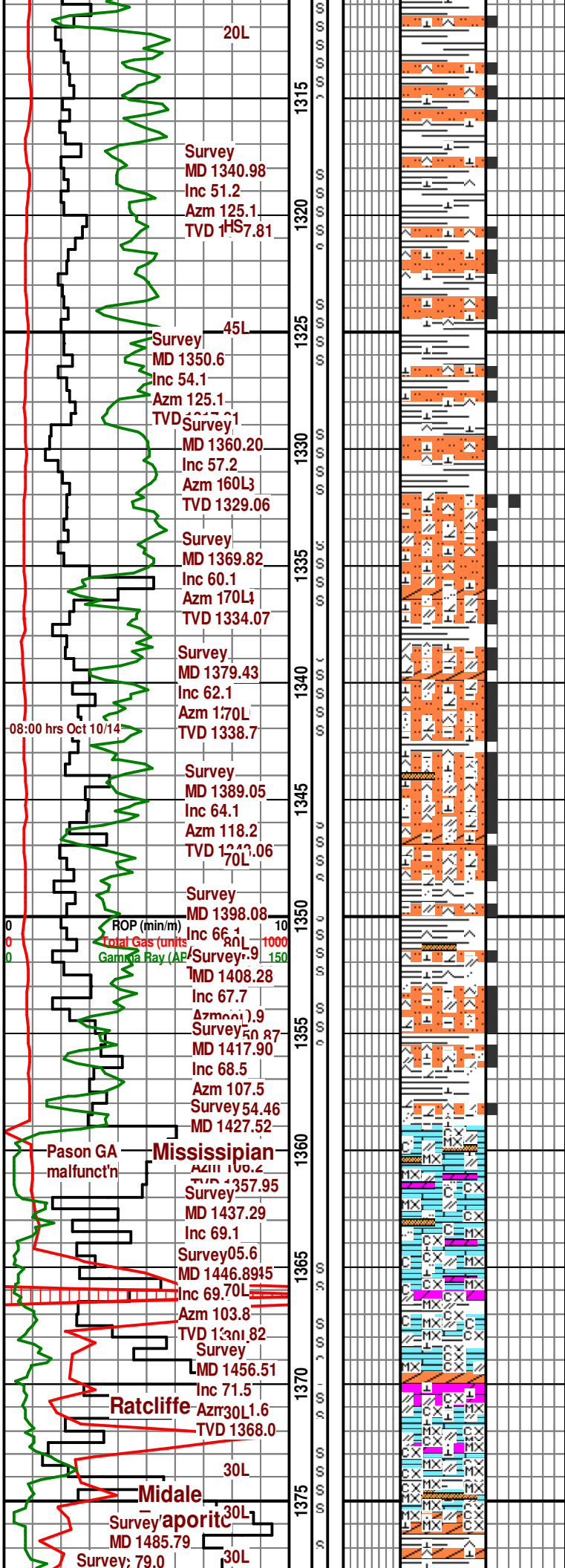
1249.70 - 1258.70 TVD :Sh & Lms & tr anhy.
Sh: lt to m gy, sbply to sbbly & sl calc.
Lms: wh to lt gy. ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt.
n/s.

1258.70 - 1280.27 TVD :Sh & Lms and occrs anhy.
Sh: lt to m gy, sbply to sbbly & sl calc.
Lms: wh to lt gy. ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt.
n/s.
Anhy:wh. XI & silty ip.

1280.27 - 1288.40 TVD :Shs & occrs, Lms & Slst, and tr anhy.
Sh: lt to m gy, sbply to sbbly & sl calc.
Sh: brk red, Sbply to sbbly & waxy ip.
Lms: wh to lt gy. ctngs sl arg & sl silty. Crpxl to micxl, chky ip & app tt.
n/s.
Slst: lt to m gy. Ctngs arg ip & mod to w ind wi sil & calc cmts & app tt.
n/s
Anhy: wh. XI & silty ip.

1288.40 - 1296.17 TVD :Shs & Slst.
Sh: lt to m gy, sbply to sbbly & sl calc.
Sh: brk red, Sbply to sbbly & waxy ip.
Slst: lt to m gy. Ctngs arg ip & mod to w ind wi sil & calc cmts & app tt.
n/s.

1296.17 - 1320.25 TVD :Shs & Slst.
Sh: lt to m gy, sbply to sbbly & sl calc.
Sh: brk red, Sbply to sbbly & waxy ip.
Slst: lt to m gy. Ctngs arg ip & mod to w ind wi sil & calc cmts & app tt.
n/s
Slst: brk rd. Ctngs arg ip & mod to w ind wi sil & calc cmts & app tt. n/s.



1320.25 - 1331.56 TVD :Shs & Slst.
Sh: lt to m gy, sbply to sbbly & sl calc.
Sh: brk red, Sbply to sbbly & waxy ip.
Slst: lt to m gy. Ctngs arg ip & mod to w ind wi sil & calc cmts & app tt. n/s
Slst: brk rd. Ctngs arg ip & mod to w ind wi sil & calc cmts & app tt. n/s.

1331.56 - 1348.82 TVD :Slst, mnr Sh & tr to occrs Anhy.
Slst: brk red. Ctngs arg ip, anhy ip & sdy ip. A few aggs hv up to m grnd rnd qtz grns imbd. Aggs w ind wi sil, dolc & calc cmts & app tt. n/s.
Sh: m gy. Ply to sbbly & fis ip.
Anhy: wh. XI & silty ip.

1348.82 - 1351.53 TVD :Sh & tr to occrs Slst & tr Anhy.
Sh: lt to m gy. Ply to sbbly & fis ip.
Slst: lt to m gy. Ctngs arg ip & sdy ip. Aggs w ind wi sil cmt & app tt. n/s.

1351.53 - 1358.86 TVD :Slst, mnr Sh & tr Anhy.
Slst: brk red. Ctngs arg ip, anhy ip & sdy ip. A few aggs hv up to m grnd rnd qtz grns imbd. Aggs w ind wi sil, dolc & calc cmts & app tt. n/s.
Sh: m gy. Ply to sbbly & fis ip.
Anhy: wh. XI & silty ip.

1358.86 - 1364.17 TVD :Lms, occrs Dol & Sh, & tr anhy.
Lms: wh to lt bge. Ctngs sl arg, anhy ip, sl dolc & sl silty. Crpxl to micxl, chky ip & app tt. Shw a sp, lt to med tan hc stn, a sp, pale yel flor, but no vis fc or fsc.

Dol: wh to lt gy. Ctngs silty ip. Crpxl to micxl & app tt. n/s.
Sh: m to dk gy. Ply to sbblocky, sl calc & fis ip.
Anhy: wh. XI & silty ip.

1364.17 - 1370.22 TVD :Lms, mnr Dol & Sh, & tr to occrs anhy.
Lms: wh to lt bge. Ctngs arg, anhy ip, & silty ip. Crpxl to micxl, chky ip & app tt. Shw a sp, lt to med tan hc stn, a sp, pale yel flor, but no vis fc or fsc.

Dol: wh to lt gy. Ctngs silty ip & sl anhy. Crpxl & app tt. Shw a sp, lt to med tan hc stn. a sp. pale vel flor. but no vis fc or fsc.

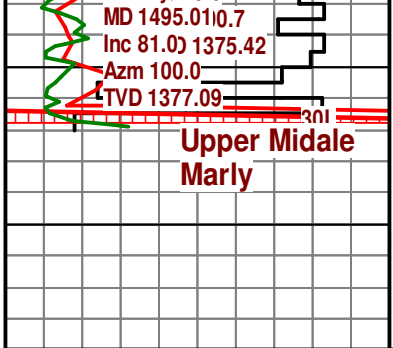
1370.22 - 1370.81 TVD :Dol: wh to lt bge. Ctngs sl anhy & sl calc. Crpxl to micxl, chky ip & app tt. Shw a sp, lt to med tan hc stn, a sp, pale yel flor, but no vis fc or fsc.

1370.81 - 1372.31 TVD :Lms, mnr Dol & Sh, & tr anhy. el flor, a v fnt lt yel Lms: wh to lt bge. Ctngs arg, anhy ip, & silty ip. Crpxl to micxl, chky ip & app tt. Shw a sp, lt to med tan hc stn, a sp, pale yel flor, but no vis fc or fsc.

1372.31 - 1372.93 TVD :Dol: wh to lt bge. Ctngs sl anhy & sl calc. Crpxl to micxl, chky ip & app tt. Shw a sp, lt to med tan hc stn, a sp, pale yel flor, but no vis fc or fsc.

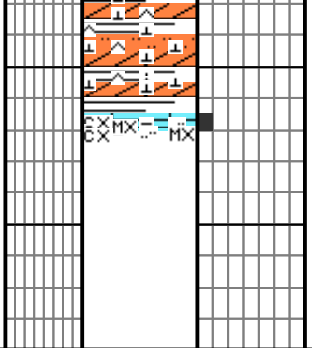
1474.50-1485.0:Lms, mnr Dol & Sh, & tr anhy. a sp, m yel flor, a v fnt lt Lms: wh to lt bge. Ctngs arg, anhy ip, & silty ip. Crpxl to micxl, chky ip & app tt. Shw a sp, lt to med tan hc stn, a sp, pale yel flor, but no vis fc or fsc.

Dol: wh to lt bge. Ctngs sl anhy & sl calc. Crpxl & app tt. Shw a quest, sp, lt to m tan hc stn, a sp, m yel flor, a v fnt lt yel fc, lt yel fsc.



**Upper Midale
 Marly**

1380
 1385



1375.18 - 1380.85 TVD :Anhy, Sh, Sltst. &fis ip.
 Anhy: Wh XI & sl slty.).
 Sh: m to dk gy . Plty to sbbppty, sl calc & fis ip.
 Slet: Lt av to hrk red. Anns ara in. w ind sil & calc cmts & app tt n/s.
 1380.85 - 1381.55 TVD :Sh & Anhv.
 1381.55 - 1382.42 TVD : Lms: wh to bge to lt gy. Ctngs sl arg & slty ip.
 Crpxl to micxl, chky ip & app tt. Shw a sp, lt to m tan hc stn, a v slw & wk pale yel fc, but fsc.