

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT
WELL RECORD
DIVISION OF ENVIRONMENTAL MANAGEMENT
P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

Roxobel, Sta.

DRILLING CONTRACTOR _____ REG. NO. 1000 WELL CONSTRUCTION PERMIT NO. _____

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Roxobel County: Beattie
on S side of SR 1249 (1.3 mi from SR 1207 N) Quadrangle No. F-22, 2-4(h)
 (Road, Community or Subdivision and Lot No.) Sec. no. B-2094

2. OWNER: N. C. Dept. Nat. & Soc. Res.

3. ADDRESS: PO Box 27687 Raleigh, N.C. 27611

4. TOPOGRAPHY: draw, valley, slope, hilltop (flat) (circle one)

5. USE OF WELL: test DATE: 12-16-81

6. DOES THIS WELL REPLACE AN EXISTING WELL? no

7. TOTAL DEPTH: 667 RIG TYPE OR METHOD: Mod Rotary

8. FORMATION SAMPLES COLLECTED: YES NO

9. CASING: Depth Inside Dia. Wall thick. type or weight/ft.

From 0 to 60 ft 6 sch. 40 BLK
0 60 2 1/2 sch. 40 BLK

10. GROUT: Depth Material Method

From _____ to _____ ft _____

11. SCREEN: Depth Dia. Type & Opening

From 60 to 70 ft 2 1/2 gl. 1020

12. GRAVEL: Depth Size Material

From _____ to _____ ft _____

13. WATER ZONES (depth): 60-70

14. STATIC WATER LEVEL: 22.25 ft above top of casing
 (below)

Casing is 350 ft. above land surface ELEV: _____

15. YIELD (gpm): 5 METHOD OF TESTING: Blowing

16. PUMPING WATER LEVEL: _____ ft.

after _____ hours at _____ gpm.

17. CHLORINATION: Type Tablet Amount 1/2 cup

18. WATER QUALITY: _____ TEMPERATURE (°C) 15

19. PERMANENT PUMP: Date Installed _____

Type _____ Capacity _____ (gpm) HP _____

Make _____ Intake Depth _____

Airline Depth _____

20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? _____

21. REMARKS Water sample taken by drill crew.

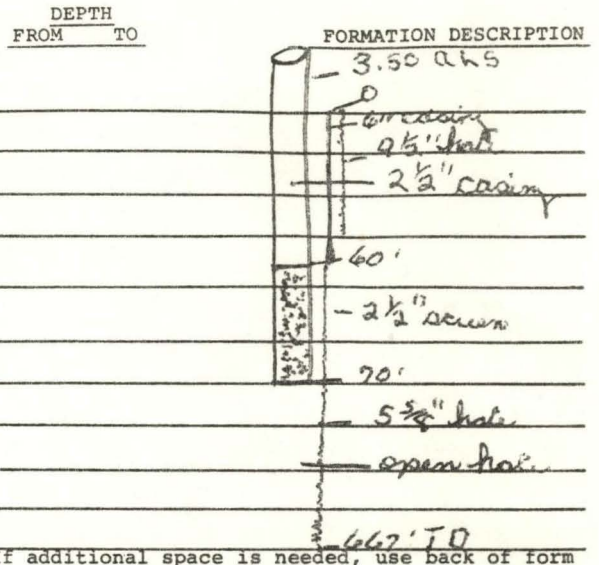
I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact.

P.H. 7

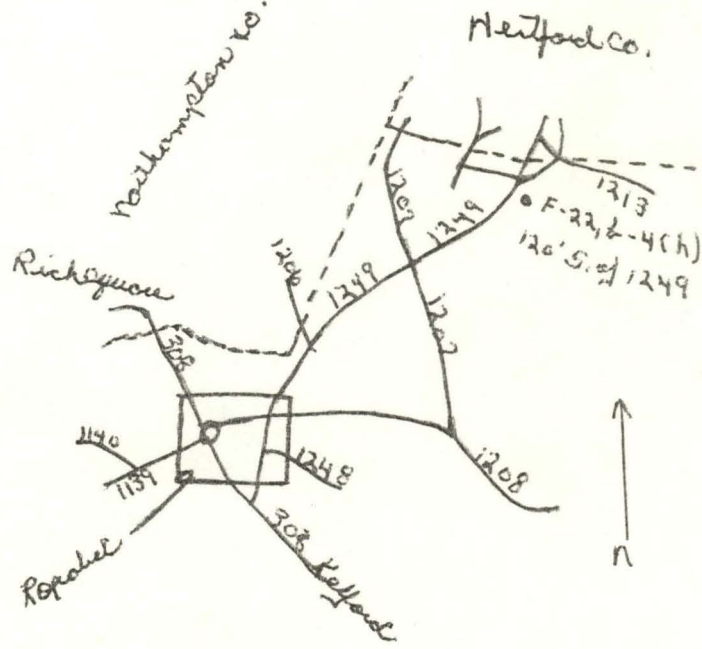
D. H. W. by Billy Cooper
 SIGNATURE OF CONTRACTOR OR AGENT DATE

12-16-81

Conds. 260



LOCATION SKETCH (Show distance to numbered roads, or other map reference points)



BILL
HOFFMAN

BT-T-1-81

samples are pretty good - the log
marks come through fairly well - Sand
carries all the way of course and it looks
as though YK fauna are most of the
way down the well (diatoms & forams)
probably have D, E & F although ~~E & F~~
~~S~~ based contacts are hard to call
interesting lithologies

- 1) glauco calcar 440-450 and a few samples
higher 400-410?
- 2) shl frags starting @ 400-410
- 3) hematite frags in shl sections above
400 and in lower part of well
- 4) thick pieces of green grey mica 330 and
down through next couple samples
- 5) fairly persistent tr of sid, pyr, & lig
below 370±
- 6) v. micaceous set agg 450/440 also see 400/410

compare to BT-P-1-65

samples very similar in nature and
quality (T-1-81 might be a bit better)
logs correlate well

Still no good ind. of "E" or of D vs F
sid of P-1-65 in 420-450 sample
shells of E-F depth may be YK

- 0/5 Sst. f ang w/ out to glauc & mica
Fe-stu com
- 5/10 Sst. f-m gr shang mod nit com F
more mica com siltst frag. Fe-stu
- 10/15 clean gty sd. m-cse gr shang poor nit
more F ^{also} ~~more~~ gr
- 15/20 A/A finer gr mostly med
- 20/25 do cse gr w mica gravel
- 25/30 clean gty sd. m gr shang mod w/ nit com F
more M
- 30/35 A/A from Fe-stu - cse gr
- 35/40 do
- 40/50 I? little washed sample
- 50/55 shly dy sd w/ f gr ang com w/ silt frags
to mica
- 55/60 A/A good agg
- 60/70 do
- 70/80 Sst. m-cse gr ^{shang} few % phos (more → com)
- 80/90 mixed sample - phos ^{shly} sst A/A + high %
of grey micaceous siltstone frags (D?)
- 90-100 no sample
- 100-110 clean gty sd m gr shang mod nit more mic
Fe-stu few good agg
- 110/120 micaceous hematitic sst - f-m gr gty
sd w/ silt hem frags & Fe-stu on gty
com mic & silt - few mic siltst agg
- 120/130 Sst - m-cse gr, shang, mod nit & more
Fe-stu vs A/A com F & more M

130/140 Sst - A/A cse gr - drop M

140/150 No SAMPLE

150/160 Ax 120/130

160/170 mostly gty sd - markedly less hem

170/180 cse gr gty sd - sh rd near F poorly set

180/190 do - higher % of m sd vs above - still
mostly cse - r cse

190/200 clean gty - the F ~~cse~~ m - cse gr

200/210 clean gty sd - m gr, any wd at set

~~210~~ 170-210 shows nice fining down
progression

210/220 some cse yellowing G-F sd coming in
w/ clean med sd from above - must
be 207-216 Res high

220/230 back to hematite loaded stuff as
150-160 and 120-130

[this must be the shale base line stuff
of the F-log

230/240 no sample

240/250 varicolored shales is sttst along w/ hem
frags - chol fillings ~~is~~ noticeable

250/260 less red - still abundant sh is sttst
~~noticeable~~ in mic con mica

260/270 do - sdy section mica still there

270/280 do

280/290 Sst med gr any wd at set Fe-str com F

290/300 do

300/310 no sample

- 310/320 old red & a lot of sand
- 320/330 Sst m-gr shaly poorly sorted
mud field is main
- 330/340 mostly m-g, any wt not gth sd
have st to of pyrr and com mica
r quartz mica
- 340/350 A/A w/ s. lig & sid
- 350/360 nothing all that new - some gel-stn
use sd
nothing in samples to say unit E
unless its the quartz-gy mica
- 360/370 nothing distinctive
one fusile gy sh frag
still st to pyrr
few sid pieces
- 370/380 do - sh in in sid
single CO₂ cont sst grain
little less pyrr
- 380/390 do
- 390/400 pretty much the same - m-gr shaly sd
com mica, few sst & sh frags
not so many reds but more wh i-gr
- 400/410 Sst - fm gr org-shaly mod wt gth w
mud mic abd mic to sh
few Agant agg
- 410/420 do
- 420/430 do to sid only mud mic
- 430/440 Sst m-gr com mic to sid mud sh
shl prob assoc w CO₂ cont streaks (see Reslog)

- 440/450 abd shl - some calcare w/ glauca
com mica
- 450/460 shls dec but still com mic sst agg
one w/ dark mica as in T-1-73
- 460/470 no sample
- 470/480 nothing distinctive } resembles sh
980/490 do } sections above
490/500 reds giving in to yellows a bit } w/ lot of red
490/500 do - yellow gone " } junkie -
500/540 " " " " " " " "
- 540/550 SST use gr shrd qty mm F
550/560 ? mostly fm red sd - qty mm pye
com mica (some dk greenish grey)
- 560/570 red sd qty mm mica to pye
- 570/580 com grey mica sstst
- 580/590 " " " " " " " "
- 590/600 yel str use shrd qty sd mm f
- 600/610 do some rd sh coming back
- 610/620 varicol sh - not so much mica
as above the sst
- 620/630 do
- 630/640 less shl frag as sd ? SP Kulu
- 640/650 do
- 650/660 do