WELL RECORD

Map Location No. (P-19 N-17) 2

NCDAWR # P-19 N-2

NCPC # 186a

TGS #

Source of Data: N.C. Phosphate Corp.
Location: Town Nest of Cox's X-Road County Beaufort
Topography: Flat
Owner NC. Phosphate Corp Address
Driller Girdler Foundation Date Drilled March 1968 Method Rotary
Depth of Well 239/
Casing: Depth 136 feet; Dia. 4 inches; Type Black Iron
Cement: Depth bottom of CASING to SUY face
Open Hole from <u>/36</u> ft. to <u>239</u> ft.
Screen: From (FT. TO(FT.) Slot Size Type
Water Zone: Dep th 136 - 239 Acquifer: Ech
Static Water Level: 18.95 ft. below measuring point which is base of
recorder Shelf , 1.88 ft. above land surface. Date 4-1-68
Elevation of Measuring Point 3294 ft. above MSL
Yield gpm. Flow, pump, bail, estimated. Date
Pumping water Level:ft. afterhrs. pumping atgpm
Pump: type, Intake depth
Quality:
Log: GAMMA Log ATTAChed
REMARKS: Well equipped with Stevens Type A35 Recorder 3-28-68
Cored from surface to 239'
2.11. 1 0 -to 1 a stanting
Lillingsphie Log attacked to 176

## WELL RECORD

Map Locat	ion No.	(P-19, N-17	1)1
MCDAWR #_	P-19	N-1	
NCPC #	186		
TGS #			

Source of Data: MCPhosphate Corp
Location: Town West of Cox's X-Ronds County Benufort
Topography: Flat
Owner N.C. Phosphate Address
Driller Girdler Foundation Date Drilled March 1968 Method Rotary
Depth of Well 27/5
Casing: Depth 73 feet; Dia. 4 inches; Type Black iron
Cement: Depth bottom of casing to surface
Open Hole from 73 ft. to 242 ft.
Screen: From (FT. TO(FT.) Slot Size Type
Water Zone: Dep th 78 1/2 242 Acquifer: Ech
Static Water Level: 24.85 ft. below measuring point which is bace of knot "case
recorder shelf , 35 ft. above land surface. Date 4-2-68
Elevation of Measuring Point 35.90 ft. above MSL
Yield gpm. Flow, pump, bail, estimated. Date
Pumping water Level:ft. afterhrs. pumping atgpm
Pump: type, Intake depth
Quality:
· · · · · · · · · · · · · · · · · · ·
Log: Self Potential + Resistivity log Allached
REMARKS: Cored from top to 271.5

## LITHOLOGIC LOG\*

DH#: NCPC 186-186A

Map Location: P-19, n-1 Collar Elevation: 186, 35.55

186A, 36.06

Date Drilled: March 5, 1968

0.01-6.01	Not Cored
6.0'-9.0'	blue gray, very silty-very sandy, fine, quartz sand/silt
9.0'-13.0'	Lost Core
13.0'-34.0'	blue, sandy clay
34.0'-46.0'	Lost Core
46.0'-50.0'	olive drab, sandy clay
50.0'-50.5'	olive drab, very sandy, fine-medium, sandy-quartz and phosphate, silt
50.5'-82.5'	lost core, rock was encountered at approximately 70.0' and continued to 242.0'
	N.B. core for well 186A adjacent to 186 contained the following: at 70.0' brown-black dense phosphate replacing shell limestone
82.5'-86.5'	light gray green, sandy fine to medium, shell limestone, very abundant voids; some glauconite, very minor phosphate; at 83.0-83.5 very coarse shell
.86.51-88.51	light gray-green, medium, shell sand becoming clayey at 88.5
88.5'-91.5'	Lost Core
91.5'-101.5'	Lost Core, drilled easily
101.5'-103.5'	light gray green, coarse, shell limestone, very abundant voids
103.5'-105.5'	light gray green, very clayey, medium to coarse quartz and shell sand
105.5'-111.5'	Lost Core
111.5'-113.5'	light blue gray, fine grained, cast and mold sandstone
113.5'-115.0'	light gray green, slightly clayey to clayey, fine to medium, quartz and shell sand
115.0'-121.5'	Lost Core
121.5'-121.7'	light gray green, fine grained, cast and mold sandstone with some medium sand and shell
121.7'-123.0'	light gray green, slightly clayey, medium to coarse, quartz and shell sand with some fine phosphate or glauconite
123.0'-131.5'	Lost Core
131.5'-132.0'	light gray green, fine grained, cast and mold sandstone
132.0'-132.3'	brown-black, dense, massive, phosphate replaced limestone
132.3'-138.5'	light gray green, sandy, medium-coarse, cast and mold limestone

138.5'-141.5' white, clayey, very coarse, shell sand 141.5'-141.8' white-light gray, coarse, sandy, cast and mold limestone 141.8'-142.5' white, slightly clayey, fine to coarse, quartz and shell sand 142.5!-146.5! Lost Core 146.5'-148.5' light gray green, coarse, cast and mold, sandy limestone 148.5'-156.5' Lost Core 156.5'-160.5' as from 146.5-148.5 160.5'-166.5' Lost Core 166.5'-168.5' as from 146.5-148.5 168.5!-176.5! Lost Core 176.5'-177.5' light gray green, dense, fine to medium sandstone Lost Core 177.5'-186.5' 186.5'-188.0' as from 176.5-177.5 as from 146.5-148.5 188.0'-189.4' 189.4-196.51 Lost Core 196.5'-204.6' light gray green, cast and mold, medium to medium coarse, cast and mold limestone with abundant medium quartz sand and very abundant fine glauconite 204.6'-205.5' Lost Core as from 196.5-204.5 205.5'-208.7' 208.7'-211.5' Lost Core 211.5'-212.5' as from 196.5-204.5 212.5'-231.5' Lost Core as from 196.5-204.5 231.5'-232.3' 232. 3'-241.5' Lost Core 241.5'-271.5' Not Cored varicolored, medium to medium coarse, shell sand with 10-14% fine glauconite

\*field examination only
186-hole ends at 271.5'
casing set at 72.5'
186A-hole ends at 242.0'
casing set at 136.0'