

*University farm*

SW SE SE

13-19E-2dac Sample & Core \_\_\_\_\_ log of test hole \_\_\_\_\_ augered drilled  
(Well No.)

University farm 50' E of small draw 115' So of south fence to Fish farm

in SW, NE, SE, sec. 2 - T. 13 S., R. 19 E.

(Location)

Driller: *Les Revis* - Geologist: *C.K. Bayne*

1-21-64

(Date)

; depth to water, \_\_\_\_\_ feet;

altitude of land surface 900 + feet.

Sp Cap .68 gal/ft/dd  
S.L. 105.5' pumping 15 GPM 3 hrs.

Water level 1-22-64 - 8.2 feet  
(Cased out upper 40 feet W.L. 84' below LSD 2-5-64)

	Thickness, feet	Depth, feet
silt - dark gray to brown	5	5
clay - tan brown contains some sd &	3	8
clay - tan and gray green	9	17
clay - gray & brown contains some gvl coarse	10	27
shale - gray green, weathered contains v.f. sol.	2	29
shale - gray, v.f. sdy. carbonations material	11	40
shale - blue gray, v.f. sdy - soft streaks	10	50
shale - do	10	60
shale - do, less sandy	10	70
shale - do	10	80
shale - do, siltstone streaks .2 thick at 82-84 feet; 0.2 SS at 88 feet	10	90
Limestone - (Haskell) lf gray hard	4.1	94.1
shale - gray very sdy fine	.9	95

start coring (Jan. 22, <sup>(1964)?</sup> 1963 8 a.m.)

SS	Core 95-100	Recovery 4.3'
SS	Core 100-110	Recovery 10
SS	Core 110-120	Recovery 10 6" coal 115 to 115 <sup>5</sup>
SS	Core 120-125	Recovery 2.5'
	Core 125-135	Recovery 5'
SS	Core 135-145	rough siltstone 135.5 to 135.8 8' Recovery
SS	Core 145-155	coal soft (coal?) 148.9 to 151.4 Recovery 7.2 feet Recovered 1' coal

13-19E-2dac Sample & Core log of test hole augered drilled  
(Well No.)

in (Location)

; depth to water, feet;  
(Date)  
altitude of land surface feet.

Water Level 12 feet 8 a.m. 1-23-64

	Thickness, feet	Depth, feet
Core 155 - 165 sh	rough S.S. zone 157-157.5	10' Recovery
Core 165-175 SS	Recovery	8.4 feet
Core 175-185 SS	Recovery	9.9 feet
Core 185-195 SS	Recovery	10 feet
Core 195-205 SS	Recovery	8 feet
Jan. 23 8 a.m. Core 205-215 SS	Recovery	10 feet
Core 215-225 SS	Recovery 8.2 feet	1.8 loss near 6.5 to 8.3
Core 225-235 SS to 234.7 LS from 234.7	Recovery	10 feet
Core 235-245 SS & coal streaks to 244 LS 244-245	Recovery	4.6 feet
<i>245-250 LS Very Rough Drilling 4.6' Recovery</i>		
Bit cutting in joint on one side.		
1-24-64 1 p.m. W.L.	12.6 feet below top of drill casing	1' above LS

89% Recovery from coring

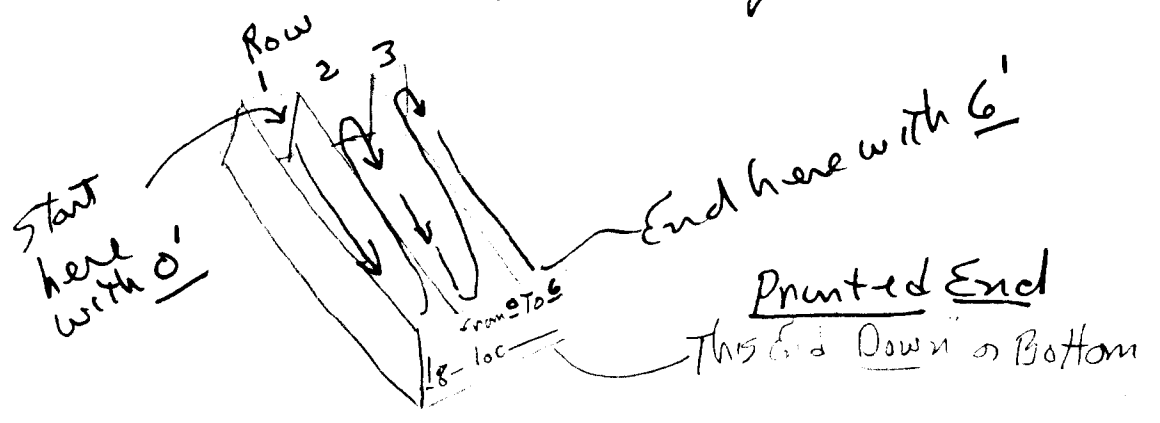
Hole #2 20 feet SW of hole #1 Top of Stanton 244  
Cored to Haskell Base of Stanton 259  
No Haskell recovery 2' thick + Bottom hole 260

# Notes

1) Use The log Books to keep record of the drilling process. Keep notes about drilling speed, mud color, hard or soft streaks, water loss (fluid), etc, etc.

## 2. Core Recovery

- a) Each core box hold 6' of Core in 3 rows
- b) ~~orient~~ Orient Each box so that the printed end is Down. Start core on left row and fill To the right



c. Core Barrel is 10' long but you won't always get 10' of Core. Keep everything and ask questions later.