

Owner Kansas Geological SurveySE $\frac{1}{4}$ NE $\frac{1}{4}$ 14E $\frac{1}{4}$ sec. 18 T. 13S R. 17ECounty Dawson Date 10/6/81

Static Water Level _____

Topo. Sheet Lone Star Elev. 1015

Depth _____ Yield _____

Location 155-19E-18 add ina farmer's field
former SE corner

Formation Record

Ft.	From	To	Description
	0	20	gray and tan silty shale somewhat at about 15' probably more cemented shale
	20	25	do- gray shale slight crunch drills fair
	25	30	do- slight crunch some coaly black plant frags.
	30	35	do- not much chatter
	35	40	do- slight chatter
	40	45	do- slight chatter
	45	50	do- slightly harder layer about 1' @ 47
	50	55	do- with coars silt
	55	60	do- crunch at 59-60
	60	65	do- crunch at 62, 63, 64 coaly frags. and light rusty brown ls. fragments at 65
	65	70	less crunchy from 67 on down still containing pieces of limestone still present layer may be conglomerate (?) drills fast for ls.
	70	75	gray platy shale continues.
	75	80	do- with coaly frags (crunchy at 76) pet.
	80	85	do-
	85	90	do-
	90	95	do-
	95	100	do-
	100	105	do- silty layers may be some cemented fine sand.

Owner _____ 1/4 _____ 1/4 _____ 1/4 sec. T. _____ R. _____

County _____ Date _____ Static Water Level _____

Top Sheet _____ Elev. _____ Depth _____ Yield _____

Location _____

Formation Record

Ft.	From	To	Description
	105	110	-do- silty tan sh to drill near the bottom at about 108
	110	115	-do- notes coarse silty fine sandy but still crunchy. occasionally.
	115	120	-do-
	120	125	-do-
	125	130	lots of crunch 125-126 slightly (23) crunch on down gray shale with lenses of cemented fine sand and coarse silt. Noted a cream colored very compacted silt. in curries.
	130	135	very crunchy at 132 very gritty at 133. still crunchy @ 135 still has tan well cemented platy silt. ^{shale} still gray. crunch continues
	135	140	gray fine sand and siltstone mud beginning to thicken with silt.
	140	145	Med grey & light Grey Siltstone Using detergent to settle cuttings mud very sticky & thick Drills very crunchy like siltstone chips look like limestone & Caliche
	154		smoothed out considerably
			Med Grey Clay with a few lignite chips
		182	& a few Limestone chips (DRL SCAM) 403856

Depth

23.7

from top

13.5" cbls

d 403856
s 403858

18-15-19E
Douglas Co

Shallow

23.25

from top

11" cbls

Well and Test Hole Logs

United States Geological Survey
and
State Geological Survey

UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

Well or Test Hole Numbers

- (1) _____
- (2) _____
- (3) _____
- (4) _____
- (5) _____
- (6) _____
- (7) _____
- (8) _____
- (9) _____
- (10) _____