

25-37-17dd. Sample DEYG log of test hole _____ augered drilled
(Well No.)

By HGS for USGS

in SESE Sec 17, T25S R37W. Kearney Co
(Location)

7/10/62, depth to water, _____ feet;
(Date)

altitude of land surface 3100 feet.

3106
1526
2574

Surface soil

Thickness, feet	Depth, feet
2	2

Sand, very coarse, and fine to medium gravel
Contains ~~pebbles~~ and sandstone fragments, a considerable
portion of sand is angular and might have been
broken in the drilling process

9	11
---	----

^{very fine grained}
Sandstone, hard, ~~siliceous~~ cemented, pink-red

4	15
---	----

Sandstone, very fine grained, ^{silica cemented} hard white

2	17
---	----

Silt, very fine sandy, uncemented, varicolored

1	18
---	----

Sandstone, very fine grained, hard ^{silty} ~~uncemented~~ ~~uncemented~~
Purple with red-brown white, blue black yellow-
grayed lencolors, contains layers of white and
purple sandy silt and bright orange clay, also
contains a little ironstone.

17	35
----	----

Siltstone moderately hard light gray and
white clay

2	37
---	----

25-37-17dd

(Well No.)

Sample _____ log of test hole _____

augered drilled

in _____

(Location)

(Date)

; depth to water, _____

feet;

altitude of land surface _____

feet.

	Thickness, feet	Depth, feet
Lignite	1	38
Sandstone, very fine grained silty gray	3	41
Sandstone, fine to very fine grained gray to brown interbedded with gray to brown sandy siltstone	3	44
Shale, light gray, silty, brown very fine grained sandstone with thin hard brown siltstone layers	12	56
Sandstone, fine grained hard moderately cemented	2	58
Shale, gray, soft	4	62
Siltstone, clayey, block	1	63
Sandstone very fine grained moderately hard, white	3	66
Sandstone hard	1	67

25-37-17dd Sample _____ log of test hole _____ augered drilled
(Well No.)

in _____
(Location)

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

	Thickness, feet	Depth, feet
Siltstone, sandy, light gray	7	71
Sandstone, fine grained to very fine grained light gray	3	77
Siltstone, sandy, soft, yellow	1	78
Sandstone, very fine grained, silty, gray and gray siltstone	7	85
Sandstone, very fine grained, very hard, brown	2	87
Sandstone, very fine grained, silty and gray siltstone	13	100
Siltstone, gray	5	105
Sandstone, very fine grained silty gray to thin high rank lignite streak to brown silty sandstone to gray sandstone	3	108

25-37-17 old

(Well No.)

Sample

log of test hole

augered drilled

in

(Location)

(Date)

; depth to water,

feet;

altitude of land surface

feet.

	Thickness, feet	Depth, feet
Siltstone gray with streaks of brown coarse siltstone with siliceous cement and an oil stain	11	119
Lignite oily black	1	120
Siltstone, sandy to clayey gray with black and brown petroliferous streaks a small amount of pyrite present	15	135
Sandstone fine to very fine grained, hard with pyrite a few very small calcareous particles below the depth	40	175
Siltstone, gray to dark gray		195
Siltstone brown to black, (petroliferous) with a little lignite	3	198
Siltstone, light gray	1	199
Siltstone, gray	6	205

25-37-17dd Sample _____ log of test hole _____ augered drilled
(Well No.)

in _____
(Location)

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

	Thickness feet	Depth, feet
Siltstone, light gray to white	5	210
Siltstone, very fine slightly cemented non calcareous cuttings are soft white shell like flakes	2	212
Siltstone tan to brown with occasional thin lignite streaks	13	225
Siltstone, very sandy, hard, gray to gray brown	21	246
Siltstone, black, lignitic	3	249
Siltstone, light gray	2	251
Siltstone, gray to gray slightly sandy siltstone with gray, very silty, very fine grained sandstone streaks a little glauconitic	13	264
Siltstone, very fine grained, light gray	1	265
Sandstone, very fine grained well cemented with calcium carbonate. Mostly quartz with a few green mineral grains (glauconitic)		

25-37-17dd

(Well No.)

Sample _____ log of test hole _____

augered drilled

in _____

(Location)

(Date)

; depth to water, _____

feet;

altitude of land surface _____

feet.

	Thickness, feet	Depth, feet
Siltstone, gray and gray silty very fine ^{a little granular} grained sandstone streaks	5	270
Siltstone, gray and petrolic brown clay shale	19	289
Coal, very ^{small (0.5 x 1.5)} brittle (conchoidal fracture) most pieces are cubic in shape ^{Lustrous}	0.5 0.5	289.5 289.5
Siltstone, ^{slightly} dark calcareous dark gray and non-calcareous black shale, contains a few very thin (a fraction of an inch) silty limestone layers	21.5	311.5
Limestone, light tan, very fossiliferous (shell bed)	2	313
Siltstone, gray to dark gray slightly to moderately calcareous	12	325
Siltstone black gray brown and white with all very fine sandstone streaks	5	330

25-37-17dd

(Well No.)

Sample

log of test hole

augered drilled

in

(Location)

(Date)

; depth to water,

feet;

altitude of land surface

feet.

	Thickness, feet	Depth, feet
Siltstone, pale green to white	4	394
Sandstone, very fine grained, hard, calcite cemented light tan	5	399
Shale, red-brown	1	400
Siltstone, white	9	408
Shale, pale green	1	409
Shale, red-brown	1	410
sand very fine white (loose)	3	413
Shale pale green	3	416
Sandstone very fine grained ^{silty} calcareous cement white to very fine grained tan siltstone somewhat ^{calcareous} containing mineral particles.	69	485

25-37-17dd

(Well No.)

Sample _____ log of test hole _____

augered drilled

in _____

(Location)

(Date)

; depth to water, _____

feet;

altitude of land surface _____ feet.

	Thickness, feet	Depth, feet
Shale, pale green	1	486
Shale, red-brown	1	487
Shale, sandy pale green	2	489
Sandstone very fine grained silty to very silty tan to very light tan with streaks of pale green shale containing some disseminated pyrite and a few thin streaks of red-brown shale green shale contains considerable amount of micaceous material	26	515
Sandstone very fine grained white (? very few cuttings)	10	525
Shale, pale green	1	526
Shale, hard, red-brown	10	536 Td.