

HOLE NUMBER: T6-17A

Hole Alignment: Vertical
Date started: November 20, 1961
Date completed: November 30, 1961
Driller: M. C. Vaughan, Cunningham Core Drilling Co.

<u>Depth in feet</u>			<u>Description</u>
<u>From</u>	<u>To</u>	<u>Thickness</u>	
0	3'	3'	Overburden, workable Clinton.
3'	7'3"	4'3"	Sandstone, maroon, coarse grained, ferruginous, weathered, friable; contains quartz granules and vugs. Includes 1' core loss.
8'6"	12'5"	3'11"	Sandstone, drab maroon, fine grained, slightly ferruginous; contains sporadic partings of rust brown shale.
12'5"	16'	3'7"	Shale, drab maroon, contains interbeds of maroon fine grained ferruginous sandstone. Includes 2' core loss.
16'	17'8"	1'8"	Sandstone, drab maroon, fine grained.
17'8"	19'2"	1'10"	Sandstone, drab gray to drab maroon, fine grained.
19'2"	21'	1'10"	Shale, pale tan to grayish tan. Includes 1'6" core loss.
21'	21'6"	6"	Shale, pale greenish gray.
21'6"	21'7"	1"	Sandstone, pale grayish white, fine grained, fossiliferous; includes trilobites.
21'7"	25'2"	3'7"	Shale, tan to pale grayish brown; contains partings of rust brown sandy shale parallel to the bedding planes.
25'2"	26'4"	1'2"	Shale, tan.
26'4"	26'5"	1"	Sandstone, pale tan, fine grained, shaly.
26'5"	27'	1'7"	Shale, tan, unctuous.
27'	35'	8'	Shale, greenish gray, unctuous, includes 1'7" core loss.
35'	45'1"	10'1"	Shale, pale greenish gray, unctuous, contains sporadic partings and irregular lenses of pale gray, fine grained shaly quartzitic sandstone.
45'1"	48'	2'11"	Shale, pale brown to tan, contains pale tan fine grained sandstone partings and irregular lenses. Includes 8" core loss.

<u>Depth in feet</u>			<u>Description</u>
<u>From</u>	<u>To</u>	<u>Thickness</u>	
48'	49'3"	1'3"	Sandstone, maroon, fine to medium grained ferruginous, contains partings of maroon shale parallel to the bedding planes.
49'3"	52'10"	3'7"	Sandstone, maroon, fine to coarse grained, highly ferruginous, contains quartz granules and maroon clay galls.
52'10"	53'2"	4"	Shale, maroon.
53'2"	54'10"	1'8"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules and contained vugs.
54'10"	55'5"	7"	Sandstone, maroon, fine grained, ferruginous.
55'5"	60'	4'7"	Sandstone, maroon, fine to medium grained, contains abundant (40% - 50%) maroon shale and olive drab shale partings and lenses parallel to the bedding planes. Includes 3" core loss.
60'	64'5"	4'5"	Sandstone, maroon, coarse grained, conglomeratic, highly ferruginous, contains quartz granules and scattered white phosphatic fossils.
64'5"	70'3"	5'10"	Shale, maroon, broken, contains interbeds of maroon fine grained sandstone.
70'3"	71'1"	10"	Shale, pale greenish gray.
71'1"	71'4"	3"	Sandstone, maroon, fine grained, ferruginous, contains maroon shale partings.
71'4"	71'10"	6"	Shale, greenish gray and maroon, contains 1" parting of maroon, fine grained, ferruginous sandstone at 71'6".
71'10"	72'	2"	Sandstone, maroon, fine grained ferruginous.
72'	72'5"	5"	Shale, olive drab.
72'5"	75'	2'7"	Sandstone, maroon, fine grained ferruginous.
75'	75'10"	10"	Sandstone, maroon, coarse grained, ferruginous, contains white phosphatic fossil fragments and quartz granules.
75'10"	78'	2'2"	Shale, pale greenish gray, contains lenses of fine grained gray quartzitic sandstone.

End of hole.

T6-17A Log of Split Core

Date logged: December 9, 1961

<u>Depth in feet</u>			<u>Description</u>
<u>From</u>	<u>To</u>	<u>Thickness</u>	
			Sample 1 (3' - 7'3")
3'	7'3"	4'3"	Sandstone, maroon, coarse grained, ferruginous, weathered, contains quartz granules and vugs. Highly friable. Includes 1' core loss.
			Sample 2 (8'6" - 12'5")
8'6"	12'5"	3'11"	Sandstone, drab maroon, fine grained, ferruginous contains sporadic partings of rust brown shale.
			Sample 3 (48' - 49'5")
48'	49'5"	1'5"	Sandstone, maroon, fine grained, ferruginous, contains maroon shale partings parallel to the bedding planes.
			Sample 4 (49'5" - 55'4")
49'5"	50'6"	1'1"	Sandstone, maroon, fine grained, ferruginous.
50'6"	53'	2'6"	Sandstone, maroon, fine grained, ferruginous, contains widely sporadic maroon shale partings and wavelite encrustations.
53'	53'4"	4"	Shale, drab brownish maroon.
53'4"	54'10"	1'6"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules, contained vugs and white phosphatic fossil remains.
54'10"	55'4"	6"	Sandstone, maroon, fine grained, ferruginous.
			Sample 5 (60' - 64'5")
60'	64'5"	4'5"	Sandstone, maroon, fine to coarse grained, highly ferruginous; contains quartz granules and white phosphatic fossils.
			Sample 6 (72'5" - 75'10")
72'5"	74'8"	2'3"	Sandstone, maroon, fine grained, ferruginous, contains sporadic wavelite encrustations at 73'10".
74'8"	75'10"	1'2"	Sandstone, maroon, coarse grained, ferruginous, contains white phosphatic fossil shells and quartz granules.

End of log.