

Liggett, # 1 Stewart
NE SE SE, 17-11s-15w
Elev. 1896'

Cable tools OWDD

Pennsylvanian Conglomerate 3332'-3359'

Samples appear mixed. Several tests in Sec's. 21 and 29 showed the following sequence in the basal Pennsylvanian:

marine limestone)	These units appear to be
sand (0 to 10'))	present in this test. See
red clay ")	sample description ap-
Chert conglomerate)	pended below.

Arbuckle Top 3359' Penetration 17' Subsea -1463'
3359-3376 TD Dolomite, white, coarsely crystalline, in part porous. Post Boyce.

Sample description, # 1 Stewart NE SE SE, 17-11s-15w

3330-35 Chert, red, ylo, wh, translucent, part worn. Marine chert conglomerate. Wh ls and g sh. Top cong 3232'

3335-38 Sd, f to m, rexalized, loose and in lime or silica cemented clusters. About 10% oxid chert frags w. 10% red and g flaky sh.

3338-40 Wh ls, some red and g sh, & about 30% sd as abv. Appears to include marine limestone and sand contact.

3340-43 Bedded red sh, g sh; wh ls and about 15% sd as above w. a. tr. only of oxid chert fragments.

3343-47 Chert cong--stained cherts, about 10% sdy red clay.

3347-50 " " " " " " " " " "

3343-45 (duplicate) Sft flaky r and g sh. Tr only chert and sd.

3345-50 (duplicate) Sft red sh, part flaky.

3350-53 Chert cong--stained cherts, about 20% sdy red clay.

3353-55 " " " " " " " " " "

3355-57 Red sh, part sft, flaky, part sdy clay sh. Few large chert pebbles. Smpl appears related to those marked "duplicate" above.

3357-60 Loose sd, std chert, red and g sh, and rare wh dolomite fragments, wh co x. Top Arbuckle 3359'.