

Sample description and Percentage Log by  
Richard A. Struble, 2-10-69

#1 Payne  
Harvey L. Starr  
SW $\frac{1}{4}$ , Sec. 13, Symmes Township  
Lawrence County, Ohio  
Sample No. S-927  
Permit No. 174  
Elevation: 600.3

<u>Depth</u>	<u>Lithology</u>	<u>Percent</u>	<u>Color &amp; Description</u>
0- 525	No Samples		
525- 540	Shale	100	Medium gray, subfissile, firm, smooth
540- 570	Shale	70	Medium to dark gray, subfissile to blocky, firm, partly silty and carbonaceous
	Sandstone	30	White to light gray, fine to coarse grained, poorly cemented, 50% loose, fairly clean
	Clay ironstone	Strong trace	Reddish-brown, fine crystalline, dense
570- 655	Sandstone	90	White, very fine to fine grained, cemented, clean, partly silty
	Sandstone	10	White, coarse grained, poorly cemented, 100% loose, clean
	Shale	Trace	As above
655- 900	SKIP		
900- 925	Sandstone	80	White to light gray, fine grained, cemented, micaceous, few carbonaceous inclusions
	Shale	20	Light gray, subfissile to blocky, micaceous, partly silty
	Clay ironstone	Trace	Reddish-brown, fine crystalline-dense
925- 952	Sandstone	100	White, fine to medium grained, poorly cemented, few coarse grains, clean, scattered iron specks
952-1010	Shale	100	Light to medium gray, blocky, soft to firm, partly silty
1010-1080	Sandstone	100	As above
1080-1165	Sandstone	50	White to reddish-brown, fine grained, cemented, clay ironstone inclusions and iron cement occurs as inclusions in sandstone
	Clay ironstone	20	As above
	Shale	30	Light to medium gray, subfissile to blocky, firm, partly silty
1165-1200	Siltstone	90	White to light gray, blocky, clean, micaceous, partly sandy
	Shale	10	Light to medium gray, subfissile, smooth, firm
	Clay ironstone	Strong trace	Reddish-brown, fine crystalline, dense

THE DIVISION OF GEOLOGICAL SURVEY MAKES  
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AND ACCURACY OF THIS INFORMATION.

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#1 Payne

<u>Depth</u>	<u>Lithology</u>	<u>Percent</u>	<u>Color &amp; Description</u>
1200-1222	Shale	100	Medium to dark gray, fissile to subfissile, partly carbonaceous, smooth <u>"Sunbury"?</u>
1222-1226	Shale	10	As above
	Sandstone	90	<u>"Berea"</u> White to light gray, fine grained, fairly clean, iron specks
1226-1230	Sandstone	85	As above
	Shale	15	Light to medium gray, fissile to subfissile, smooth, firm

Bedford at 1270'

Ohio Shale at 1342-1346

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