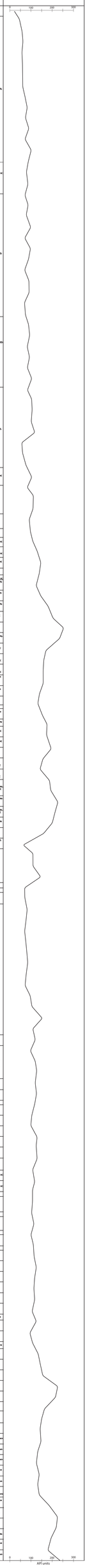
MASHALL OUTCROP

AGE	STAGE	FORMATION	TOTAL THICKNESS (m)	LITHOLOGY	UNIT	DESCRIPTION
MISSISSIPPIAN	CHESTERIAN	PITTSBURG LIMESTONE	7.6		92	Very light gray, oolitic and fossiliferous limestone
		FAYETTEVILLE SHALE	44.41m		91	Dark gray, carbonate with very thin interbeds of shale, hard blocky and carbonate cement
						Gray shale, platy, fissile and smells HC
					90	Dark gray, carbonate with interbeds of shale, hard blocky and carbonate cement
					89	Dark gray, carbonate with interbeds of shale, hard blocky and carbonate cement
					88	Dark gray, carbonate with thin beds of shale, fissile gray shale, and carbonate cement
					87	Gray shale, platy fissile and smells HC
					86	Dark gray
					85	Dark gray
					84	Dark gray
					83	Gray shale, platy fissile and smells HC
						Gray shale, platy fissile and smells HC
						Gray shale, platy fissile and smells HC
					82	Dark gray
					81	Very gray to gray siltstone, fossiliferous limestone and smells HC
					80	Very dark gray shale, platy blocky, hard, fossiliferous, and smells HC
					79	Very dark gray shale, platy blocky, highly oxidized, and smells HC
					78	Very dark gray shale, platy blocky, highly oxidized, and smells HC
					77	Very dark gray shale, blocky, highly oxidized, and smells HC
					76	Very dark gray shale, blocky, heavily oxidized, and smells HC
					75	Very dark gray shale, hard blocky, highly oxidized, and smells HC
					74	Very dark gray shale, blocky, heavily oxidized, and smells HC
					73	Very dark gray shale, fissile, fossiliferous, ferruginous, and smells HC
					72	Very dark gray shale, fissile, carbonate cement, and smells HC
					71	Very dark gray shale, blocky/platy, fossiliferous, ferruginous and smells HC
					70	Very dark gray shale, blocky/platy, fossiliferous, ferruginous and smells HC
					69	Very dark gray shale, blocky, fossiliferous and smells HC
					68	Very dark gray shale, blocky/platy and smells HC
					67	Dark gray concretions, fossiliferous limestone and smells HC
					66	Very dark gray shale, blocky/platy and smells HC
					65	Black shale fissile and smells HC
					64	Black shale, fissile and smells HC
					63	Dark gray shale, blocky and smells HC
					62	Very dark gray shale, blocky, carbonate cements and smells HC
					61	Concretions,fossiliferous, dark gray limestone, blocky HC
					60	Very dark gray shale, blocky, partly, carbonate cements and smells HC
					59	Very dark gray shale, blocky, partly and smells HC
					58	Very dark gray shale, blocky, partly, carbonate cements and smells HC
					57	Very dark gray shale, blocky, partly and smells HC
					56	Very dark gray, blocky with carbonate cements
					55	Very dark gray shale with high fossil content and carbonate cement
					54	Dark gray
					53	Very dark gray
					52	Dark gray
					51	Black Shale
					50	Dark Gray concretious limestone with very thin interbeds of shale
					49	Dark gray
					48	Dark gray concretious limestone with very thin interbeds of shale
					47	Very dark gray
					46	Dark gray concretious limestone with thin interbeds of shale
					45	Very dark gray
					44	Very dark gray
					43	Very dark gray
					42	Very dark gray
					41	Very dark gray
					40	Dark gray
					39	Very dark gray, blocky/platy and smells HC
					38	Dark gray fissile, blocky and small HC
					37	Dark gray fissile, blocky and small HC
					36	Dark gray
					35	Black, blocky and smells HC
					34	Dark gray
					33	Very dark gray
					32	Dark gray
					31	Very dark gray
					30	Dark gray
					29	Very dark gray
					28	Very dark gray
					27	Very dark gray
					26	Very dark gray
					25	Very dark gray
					24	Very dark gray
					23	Dark gray concretious limestone
					22	Very dark gray
					21	Very dark gray
					20	Dark gray concretious limestone
					19	Dark gray, fossiliferous
					18	Very dark gray, pyrite forming
					17	Very dark gray, pyrite forming
					16	Very dark gray, pyrite forming
					15	Very dark gray, pyrite forming
					14	Very dark gray, highly oxidized
					13	Very dark gray, highly oxidized
					12	Very dark gray, oxidized
					11	Very dark gray with oxidized surface
					10	Very dark gray with oxidized surface
					9	Very dark gray with oxidized surface
					8	Black shale with oxidized surface
					7	Black shale with oxidized surface
					6	Black shale with oxidized surface (pyrite), some fossils, with light brown carbonate cements
					5	Black shale with oxidized surface (Pyrite)
					4	Very dark gray, blocky, pyrite and fossiliferous
					3	Very dark gray, with oxidized surface and pyrite
					2	Very dark gray with oxidized surface and pyrite
					1	Black shale with oxidized surface (pyrite)
					0	Black shale with oxidized surface (pyrite forming)

GAMMA RESPONSE