

LITHOLOGIC LOG BY T. J. BTHRINGTON

0-920'	Not recorded, no samples kept.
920-930'	Sandstone; fine grained, soft, ashy.
930-945'	Siltstone; dark gray.
945-960'	Sandstone; fine grained, soft with fragments of coal.
960-970'	Siltstone; light to dark gray, some pyrite.
970-1010'	Sandstone; quartz with hard shell near bottom
1010-1020'	Siltstone; light to dark gray
1020-1090'	Sandstone; greenish gray, soft, some coal near bottom.
1090-1100'	Siltstone, hard.
1100-1190'	Sandstone; greenish gray, soft, thin coal seam at 1125', small oil show in sandstone.
1190-1210'	Siltstone; light gray
1210-1380'	Sandstone; hard, lime cemented. <u>Small oil show at 1227'.</u>
1280-1300'	Sandstone; gray, soft. <u>Small gas show at 1275'.</u>
1300-1310'	Siltstone.
1310-1315'	Chert, brown, hard.
1315-1350'	Sandstone; as above.
1350-1355'	Coal vein.
1355-1365'	Sandstone; as above. <u>Small gas show at 1365'.</u> Coal vein at 1355'.
1365-1375'	Shale; gray, hard. <u>Small gas show at 1365'.</u>
1375-1565' T.D.	Sandstone; as above, thin coal seams 1425', 1445', 1465', 1511', 1535'. Several thin shale beds in this interval. Hard shell at 1565'.

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 #2 Gilmore

12-14-71

930-40	Tight, light gray, micaceous siltstone. with incl. of m-grain sd.
-50	"
-60	"
973-983	M-g, light gray, tight, micaceous, silty ss grades from siltstone above dirty sand.
983-993	" much loose angular sd.
993-1003	"
-1013	" with tight and dirty and silty.
-1023	" "
1023-1055	" "
-1063	" "
-1075	Gray, tight, micaceous siltstone with blk. rnd. incl.
-1085	"
-1095	" much loose sd. gns.
1095-1100	"
-1105	"
-1115	"
-1125	"
-1135	"
-1145	" becoming sandier
-1155	"
-1165	"
-1175	"
-1185	"
-1195	Mostly shale.
1195-1205	Mostly loose sd. gns., angular m-gn, wicky.
-1215	Light gray, tight, m-g, sandy siltstone.
-1225	"
-1215	Light gray, tight, m-g, sandy siltstone.
-1225	"
-1245	" w/dirty and tight!
-1255	"
-1257	Cir. Mg. light gray, micaceous, tight, sh. incl., silty sand.
1257-95	Mostly light gray, fine-gn siltstone.
1295-1345	Similar to above.
-1356	Siltstones w/some coal stringers.
-1366	" "
1366-1375	"
-1385	" tr. of hard, white, chalky substance.
1415-1425	Mostly f-m grained, angular, qtz. sd.
-1435	F-Mg, white, tight, silty ss. w/lge blk sh. incl.
-1445	"
-1455	"
-1465	"
-1475	"
-1485	"
1485-1505	"
1505-25	Gray, f-mg, friable, micaceous, dirty silty ss.
1525-45	"
1545-75	"

COMMENTS

No visible oil staining was observed in the above described samples. However, this does not preclude gas possibilities. The rock section represented by these sample cutting appears to be tight and impervious suggesting poor reservoir rocks.

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