

December 11, 1985

DESCRIPTIONS OF FORMATIONS PENETRATED
(Interpreted from Drill Cuttings & Electric Log)

- 0 - 11' Siltstone; tan color, soft.
- 11 - 80' Concretions (?); hard siliceous material with clayey matrix.
- 80 - 410' Siltstone and Silty Sandstone; interbedded 6 inch layers of very firm mudstone.
- 410 - 490' Siltstone; med. gray, fine, sandy, tuffaceous, with scattered pieces of white volc. ash, some thin stringers of greenish gray, very firm claystone.
- 490 - 520' Sandstone; light gray, fine, silty, firm, argillaceous, slightly calcareous, consisting of subrounded grains of feldspar and quartz, numerous minute, angular fragments of black organic material, some pyrite, some white volc. ash. No hydrocarbon shows.
- 520 - 590' Siltstone; med. gray, fine sandy, tuffaceous, scattered fine pieces of white volc. ash, some thin layers of greenish gray, firm claystone.
- 590 - 870' Sandstone; light gray, very fine grained, silty, slightly calcareous, consisting of subrounded grains of feldspar and quartz, some thin coal seams, abundant minute fragments of black organic material, scattered pieces of white volc. ash, some pyrite. Faint yellow fluorescent ether cut.
- 870 - 965' Siltstone; med. gray, fine grained, sandy, firm, some interbeds of fine silty sandstone.
- 965 - 1070' Siltstone; med. gray, firm, tuffaceous.

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- 1070 - 1120' Sandstone; light gray, fine grained, silty, somewhat tuffaceous, abundant pyrite, fairly calcareous. Very faint yellow fluorescent ether cut.
- 1120 - 1320' Siltstone; med. gray, firm, argillaceous, slightly calcareous. Faint yellow fluorescent ether cut.
- 1320 - 1550' Siltstone; as above, soft, argillaceous, numerous minute black specks of organic material, some pieces of walnut shells (loss circulation material).
- 1550 - 1632' Siltstone and Mudstone; med. - dk. gray, firm, containing numerous minute, angular fragments of black organic material, occasional piece of concretionary material, occasional white shell fragment, fairly calcareous.
- 1632 - 1872' Siltstone; med.-dk. gray, Fair yellow fluorescent ether cut.
- 1872 - 1965' Siltstone; med.-dk. gray, numerous minute, angular pieces of black organic material, some pieces of walnut shells, some thin interbeds of fine, silty, calcareous sandstone, some thin layers of mudstone. Very weak yellow fluorescent ether cut.
- 1965 - 1985' Sandstone; med. gray, very fine, silty, arkosic, with abundant, minute black specks of organic material, some pyrite.
- 1985 - 2120' Siltstone and Mudstone; med.-dk. greenish gray, fine sandy, very firm, slightly calcareous, abundant minute, angular pieces of organic material, occasional veinlets of calcite, some pieces of walnut shells.
- 2120 - 2150' Sandstone; light-med. gray, firm, silty, calcareous, argillaceous, some thin seams of coal. No hydrocarbon shows.

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- 2150 - 2480' Mudstone; med.-dk. greenish gray, silty, occasional veinlets of calcite, numerous minute, angular fragments of black organic material, some thin layers of fine, clayey sandstone. Weak yellow fluorescence in sample 2220-2280'
- 2480 - 2530' Sandstone; loose grains of feldspar and quartz, med. size grains, some very fine grained, calcareous, light gray sandstone. Weak yellow fluorescent ether cut.
- 2530 - 2860' Mudstone; as above, some sandy portions indicated by the presence of loose grains, med. size, of feldspar and quartz.
- 2860 - 3028' Sandstone; med. gray, fine grained, silty, clayey, pyrite fairly abundant, some thin beds of coal, fair-strongly calcareous, feldspathic. Fair - good yellow fluorescent ether cuts.
- 3028 - 3040' Volcanic Tuff; med-lt. gray, very firm - hard, some dark grains in the tuff, some pink tuff.

Descriptions by:
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