

- 12/31/70 Cut off casing wire on 4 1/2" bell nipple. Pick up 3 7/8" bit and blow hole down and drill casing shoe. Pick up core #1. and cut core #1 669' - 683' with air - recovered 14' (2 1/2' sandy light gray shale - 7 1/2' sandy light gray - thin - 4' sand light gray - good porosity and permeability). Hole dusted good while cutting first 10' of core - stopped dusting last 4' - no odor while coring - no show in core.
- 1/1/71 Convert from air to water - cut core #2 683' - 703' - 20'. Recovered 20' sand - light gray - good porosity and permeability with shale streaks throughout. Hole flowing sulfur water at rate of 1 1/2 gal. per minute.
- 1/2/71 Shut down for New Year's Day.
- 1/3/71 Cut core #3 703' - 723' - 20'. Recovered 20' sand (3' sand light gray, good porosity and permeability - 3' of sand as above with shale laminations, 10' sand as above 1 1/2' sand with abundant shale laminations, 2 1/2' sand as above). Water flow increased after cutting core #3 to 20 gal. per min. Cut core #4 723' - 743' - 20'. Recovered 20' sand - light gray to white, fine to medium grain, good porosity and permeability - no show.
- 1/4/71 Cut Core #5 743' - 763' - 20'. Recovered 20' (7' sand light gray, fine to medium grain, good porosity and permeability. No show - 3' shaly sand as above, 5' sandy gray shale, 5' clean sand as above). Cut core #6 763' - 783' - 20'. Recovered 20' (11' sand light gray - fine to medium grain, good porosity and permeability - no show. 1' coal, 8' gray sandy shale becoming very shaly last 3').
- 1/5/71 Cut core #7 783' - 803' - 20'. Recovered 20' (3' light gray to black shale, slightly sandy with some black carbon streaks - 4' very sandy light gray shale. 2' sand - light gray, fine grain. No show. 4 1/2' gray shale - 2 1/2' sand light gray, fine grain - no show. 3' light gray shale, 1' sand as above with shale streaks). Cut Core #8 803' - 816' - 13'. Recovered 12' (3 1/2' sand light gray, fine to medium grain, good porosity and permeability. No show. 1 1/2' coal, 7' shale - gray with some sand streaks).
- 1/6/71
to
1/11/71 Shut down due to cold weather.
- 1/12/71 Cut core #9, 816' - 836' - 20'. Recovered 20' (2' very shaly sand, light gray, hard and tight, 1' shale, dark gray to black - carbon. 4' sandy gray shale, 2' sand, light gray, very shaly. 11' shale gray slightly sandy with some sand streaks and some carbon streaks).
- 1/13/71 Cut core #10 836' - 856' - 20'. Recovered 20' (3' slightly sandy, gray shale with sand streaks and 1 carbon streak 1 1/2" thick - 1' coal, 5 1/2' gray silty shale - 5 1/2' sandstone light gray, fine grain with shale laminations throughout - hard and tight - no show. 5' gray shale becoming sandy last 6"). Cut core #11 856' - 876' - 20'. Recovered 17' (3 1/2' very shaly, light gray sand with shale laminations, hard and tight - no show - 2 1/2' sand, light gray fine to medium grain, good porosity and permeability - no show - 8 1/2' shale gray - 2 1/2' sand light gray - unconsolidated with pebbles in bands of 1 1/2" throughout).
- 1/ 14/71 Cut core #12 876' - ⁸⁹¹898' - 5'. Recovered 5' (5' shale, gray and green with some brown streaks).