

PERRY R. BASS - STATE 23 Well #4

CORE #2

Core #2: 4800-4850'. Cut 50', recovered 48½'.

Commenced coring at 7:40 a.m., MST 5-10-65, at 4800'.

Finished coring at 11:01 p.m., MST 5-10-65, at 4850'.

Gross coring time: 16 hours, 21 minutes.

Down time: 16 minutes, connection.

Net coring time: 16 hours, 5 min.

Core head description: Williams type "B" center, Serial #T-512. 7-13/16" x 4-3/8".

Coring conditions: Rotary RPM 75. Pump pressure 700 psi. Weight on corehead: 20,000 lbs

Mud conditions: 10.5#/gal. Viscosity 34 sec. Water loss 8 cc. Cake 2/32", salt content 190,000 ppm.

CORING TIME, MINUTES PER FOOT: 13-22-22-32-20-17-13-9-9-8-7-8-9-9-8-15-13-11-12-14-14-17-21-20-20-21-20-19-19-22-21-23-21-20-23-19-18-19-16-21-30-34-18-25-22-23-22-20-26-21.

FROM	TO	LENGTH	DESCRIPTION
4800.0	4802.0	2.0	ANHYDRITE - gray.
4802.0	4803.5	1.5	DOLOMITE - tan, dense, finely crystalline, with thin gray shale laminations.
4803.5	4805.0	1.5	ANHYDRITE - gray.
4805.0	4806.0	1.0	SAND - light gray, dense, very tight, very anhydritic, having a trace of splotched stain, fair spotted fluorescence, fair odor.
4806.0	4807.0	1.0	SAND - light gray, medium fine, tight, anhydritic, very slightly friable. Trace of splotched stain. Poor, very dull orange fluorescence. Very light odor.
4807.0	4809.0	2.0	SAND - light gray, fine to med. fine, tight, anhydritic, very slightly friable. Good stain in laminated fashion. Good odor, dull yellow fluorescence.
4809.0	4812.0	3.0	SAND - light gray, fine, tight, anhydritic, with fair gold spotted fluorescence and stain. Good odor.
4812.0	4813.5	1.5	SAND - light gray, very fine, tight, anhydritic to slightly calcareous. Good solid stain, good dull gold fluorescence, good odor. Slightly splotched in the bottom 6".
4813.5	4814.0	0.5	SILTSTONE - gray, very fine, argillaceous, having very thin, hairline shaley laminations. No show.
4814.0	4815.0	1.0	SAND - gray to tan, very fine-grained, tight, well-cemented, dolomitic. No visible stain. Very dull gold fluorescence, no odor.
4815.0	4816.0	1.0	SAND - gray, very fine, tight, anhydritic. Fair splotched stain, good dull gold fluorescence, good odor.
4816.0	4817.0	1.0	SAND - gray, fine-grained, silty, calcareous. Trace of stain; very dull gold spotted fluorescence. Very faint odor.
4817.0	4821.5	4.5	DOLOMITE - light tan, very sandy, having gray, very silty sand laminations. Section is mostly shaley sand. No odor.
4821.5	4822.0	0.5	ANHYDRITE AND SHALEY SAND - very silty sand splotched with about 50% free anhydrite.
4822.0	4826.0	4.0	SAND - light gray, very fine-grained to tan, laminated, very dolomitic.
4826.0	4827.5	1.5	SAND - red, fine-grained, very anhydritic, having about 50% large inclusions of pink anhydrite.
4827.5	4830.5	3.0	ANHYDRITE - red, with scattered red anhydritic sand, shale and dolomite laminations.
4830.5	4832.0	1.5	SHALE - red, banded with very small anhydrite inclusions.
4832.0	4839.0	7.0	SAND - red to gray, banded, very shaley, very silty, slightly anhydritic.
4839.0	4841.0	2.0	DOLOMITE - light gray to tan, dense, massive, sublithographic.
4841.0	4848.5	7.5	ANHYDRITE - gray, with splotches of tan to gray dolomite inclusions.