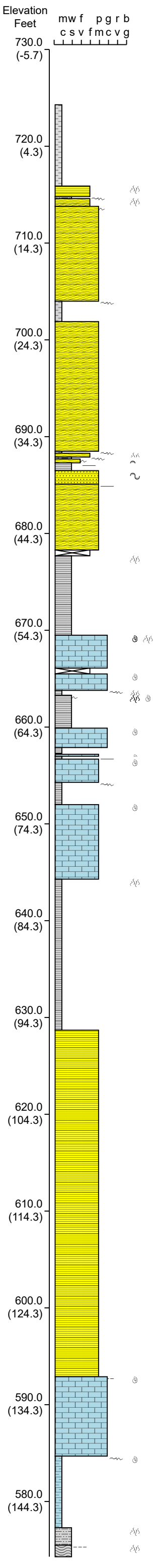
ID Number:	166301	Date:	9/22/2011
Site Name:	SDH453 (Robert White)	By:	Todd A. Thompson and Brian D. Keith
Location:	NW¼SE¼NW¼ sec. 2, T. 3 N., R. 3 W. UTMX: 524728.30, UTMY: 4286361.00, Zone: 16	Notes:	Huron quadrangle, Martin County
Elevation:	724.3000 Feet		



(0) Clay and not present/recovered; soil and clay

(8.4) RACCON CREEK GROUP, Mansfield Formation
Bioturbated horizontal-bedded sandstone, irregular basal contact; upper very fine grained to lower fine-grained; yellowish-tan

(9.5) Mudstone; sandstone pebbles in the unit related to drilling; orange

(9.7) Bioturbated cross-bedded sandstone, irregular basal contact; upper very fine grained; thoroughly bioturbated in the upper part; medium- to light-tan-gray

(10.55) Cross-bedded and horizontal-bedded and ripple-bedded sandstone, irregular basal contact; upper very fine grained; throughly biotubated in the upper part; tannish-gray

(20.3) Massive claystone, sharp basal contact; medium-gray to orangish-yellow at the top

(22.4) Cross-bedded and horizontal-bedded sandstone, irregular basal contact; lower medium-grained to lower fine-grained; orangish-yellow to deep-red at top and base

(35.8) Massive claystone; mottled medium-gray and maroon

(36) Bioturbated cross-bedded sandstone, irregular basal contact; lower fine-grained; light- to dark-maroon

(36.4) Massive siltstone, irregular basal contact; maroon to medium-gray

(36.6) Disturbed cross-bedded sandstone, sharp basal contact; thin dark-gray shale in the middle; upper very fine grained; maroon, yellow, orange

(37.05) Horizontal-bedded siltstone, sharp basal contact; brown with dark-gray layering

(37.85) Disturbed-bedded interlaminated/interbedded and ripple-bedded and horizontal-bedded sandstone, sharp basal contact; brown to medium-gray with some tan horizons

(39.2) Cross-bedded and horizontal-bedded sandstone; horizontal bedding and clay-rich at base, cleaner and cross-bedded at top; lower fine-grained; orange to olive-green layers, maroon at top

(46) Not present/recovered; void

(46.6) STEPHENSPORT GROUP, Hardinsburg Formation
Bioturbated horizontal-bedded siltstone, sharp basal contact; olive-green at base and top, dark-gray to black in the middle

(54.85) Haney Limestone
Fossiliferous and bioturbated horizontal-bedded grainstone and packstone; crinoids, brachiopods, miscellaneous fossil debris; bryozoan frond and muddier in the lower half; medium-gray with red laminations

(58.2) Not present/recovered; void

(58.8) Fossiliferous massive grainstone, irregular basal contact; crinoid debris; medium-pinkish-gray

(60.5) Bioturbated horizontal-bedded claystone, irregular basal contact; yellowish-brown

(61) Bioturbated and fossiliferous horizontal-bedded siltstone, sharp basal contact; calcareous; thin horizons of crinoid debris; shale at base of unit; medium- to dark-gray

(64.45) Fossiliferous horizontal-bedded grainstone; muddy in lower part; crinoids; medium to dark-pinkish-gray

(66.45) Horizontal-bedded shale, sharp basal contact; dark-gray to black

(67.1) Fossiliferous horizontal-bedded packstone, sharp basal contact; crinoids, two thin shale partings; medium- to dark-gray

(67.35) Horizontal-bedded shale, sharp basal contact; dark-gray to black

(67.65) Fossiliferous horizontal-bedded packstone, irregular basal contact; crinoidal; pinkish-medium-gray

(70) Horizontal-bedded shale, irregular basal contact; dark-gray to black

(72.3) Fossiliferous interlaminated/interbedded and horizontal-bedded packstone; shale interbeds in the lower half; crinoids, brachiopods, and Archimedes; medium- to dark-gray

(80) Big Clifty Formation
Bioturbated horizontal-bedded shale, irregular basal contact; scattered fossil debris; olive-green at base, dark-gray to black at the top

(95.6) Horizontal-bedded and ripple-bedded sandstone, gradational basal contact; calcareous in upper foot and from 97.5-97.8 ft, small amount of disturbed bedding and fractures ; orange, olive, and yellowish-tan

(131.4) Beach Creek Limestone
Fossiliferous horizontal-bedded grainstone and packstone, irregular basal contact; some argillaceous partings; crinoids, brachiopods, bryozoans, foraminifera; light- to medium-tannish-gray

(139.65) Fossiliferous horizontal-bedded argillaceous limestone; crinoids, brachiopods, possible blastoids; argillaceous partings and layers; medium- to dark-gray

(147) WEST BADEN GROUP, Elwren Formation
Bioturbated massive mudstone, gradational basal contact; scattered small crinoids; medium-greenish-gray

(148.8) Bioturbated wavy-bedded siltstone; bioturbation at the base; light- to dark-gray