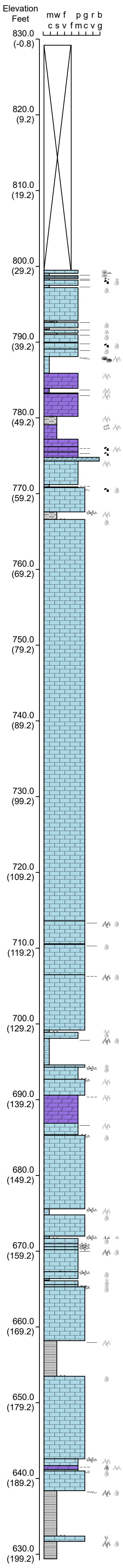
ID Number:	163662	Date:	7/1/2005
Site Name:	SDH392 (Peden Farm)	By:	Todd A. Thompson and Brian D. Keith
Location:	SE¼SE¼SE¼ sec. 35, T. 10 N., T. 2 W. UTMX: 535139.50, UTMY: 4344989.00, Zone: 16	Notes:	Modesto quadrangle, Monroe County
Elevation:	829.2000 Feet		



(0) Unconsolidated not described and not present/recovered

(29.7) BLUE RIVER GROUP, St. Louis Limestone
Oncolitic horizontal-bedded packstone, sharp basal contact

(30.15) Oncolitic argillaceous limestone, sharp basal contact

(30.45) Oncolitic horizontal-bedded packstone, sharp basal contact

(30.65) Peloidal massive packstone, sharp basal contact

(30.8) Bioturbated and fossiliferous interlaminated/interbedded argillaceous limestone, sharp basal contact

(31) Peloidal and fossiliferous horizontal-bedded packstone, sharp basal contact

(31.7) Horizontal-bedded argillaceous limestone, sharp basal contact; shalier toward the base

(32) Fossiliferous massive packstone, sharp basal contact

(36.4) Massive siltstone

(36.65) Fossiliferous packstone to wackestone, sharp basal contact; local areas look like flasers

(37.35) Interbedded or interlaminated shale, sharp basal contact

(37.6) Fossiliferous packstone, sharp basal contact; like 36.65-37.35 ft

(38.05) Siltstone, gradational basal contact

(38.2) Fossiliferous horizontal-bedded packstone, sharp basal contact; like 37.6-38.05 ft

(39.2) Horizontal-bedded argillaceous limestone, gradational basal contact

(39.35) Peloidal and fossiliferous massive packstone, sharp basal contact; grainier toward base; microstylolites

(40.1) Fossiliferous massive packstone, irregular basal contact

(41.1) Oncolitic and bioturbated massive lime mudstone, sharp basal contact

(43.33) Bioturbated horizontal-bedded dolomitic packstone, sharp basal contact

(45.3) Bioturbated horizontal-bedded argillaceous dolostone; finely laminated in part

(45.9) Bioturbated massive dolomitic packstone, sharp basal contact

(46) Bioturbated horizontal-bedded dolomitic packstone; very fine grained; one oncolite at 46.4 ft; numerous internal truncation surfaces; increasingly more green toward base

(49) Bioturbated massive siltstone; disseminated pyrite in larger burrows

(50.1) Mottled and bioturbated horizontal-bedded dolomitic wackestone, sharp basal contact

(52) Horizontal-bedded dolomitic packstone, gradational basal contact; microstylolite at 52.85 ft.

(53) Peloidal and bioturbated horizontal-bedded dolomitic packstone, sharp basal contact

(53.7) Peloidal horizontal-bedded dolomitic packstone, sharp basal contact; abundant dark pellets

(54.4) Massive limestone-clast breccia, sharp basal contact; clasts of unit above; calcite-filled vugs at base

(54.9) Bioturbated horizontal-bedded packstone, gradational basal contact

(58) Cryptalgal-laminated argillaceous limestone, sharp basal contact

(58.3) SANDERS GROUP, Salem Limestone
Massive packstone, irregular basal contact

(58.45) Peloidal and fossiliferous horizontal-bedded grainstone, stylolitic basal contact; thin wackestone zones at 59-59.4 ft

(61.6) Bioturbated massive siltstone, stylolitic basal contact

(62.65) Fossiliferous cross-bedded and horizontal-bedded grainstone, sharp basal contact; stylolites at 62.9, 63.6, 65, 66.8, 67.8, 69.2, 71.8, 73, 74, 76, 77.3, 88.8, 94.1, 94.6, 102.1, and 102.8 ft

(115.65) Bioturbated and fossiliferous massive grainstone, sharp basal contact; crinoidal, organic, ground-up bryozoans, very porous, lagoonal facies(?); dark

(118.7) Fossiliferous massive grainstone, gradational basal contact; crinoidal; fenestrate bryozoan debris (more than above)

(122.7) Bioturbated and fossiliferous horizontal-bedded grainstone; bryozoans; crinoids; nodule near the base

(130) Bioturbated horizontal-bedded argillaceous limestone, stylolitic basal contact; dark

(130.3) Fossiliferous massive packstone, sharp basal contact

(131.1) Bioturbated and fossiliferous horizontal-bedded argillaceous limestone, sharp basal contact; fenestrate bryozoans throughout; crinoidal

(134.6) Fossiliferous massive grainstone, stylolitic basal contact; white

(134.9) Fossiliferous horizontal-bedded packstone, stylolitic basal contact; crinoidal

(136.5) Bioturbated horizontal-bedded grainstone to packstone, gradational basal contact; muddier downward; slightly dolomitic near the base

(138.6) Bioturbated horizontal-bedded dolomitic packstone, sharp basal contact; highly porous; light areas are nodule-like

(142.35) Bioturbated horizontal-bedded packstone, stylolitic basal contact; dark

(143.9) Harrodsburg Limestone
Fossiliferous cross-bedded grainstone, stylolitic basal contact; bryozoans dominant; stylolites at 144.5,146, 147.65, 150.5, and 153.6 ft; light- and dark-laminae

(153.6) Bioturbated horizontal-bedded argillaceous limestone, sharp basal contact; green

(154.45) Fossiliferous horizontal-bedded grainstone, stylolitic basal contact; bryozoans dominant; crinoidal in layers

(157.25) Bioturbated and fossiliferous horizontal-bedded argillaceous limestone, stylolitic basal contact; wispy laminae throughout

(157.55) Fossiliferous massive packstone, stylolitic basal contact; crinoidal

(158.25) Horizontal-bedded packstone, stylolitic basal contact; argillaceous laminae

(158.6) Massive packstone, sharp basal contact

(159) Bioturbated and fossiliferous horizontal-bedded packstone, stylolitic basal contact; sponge spicules

(161.9) Siltstone, stylolitic basal contact; calcareous; very dark

(161.95) Fossiliferous massive packstone; poorly sorted; crinoidal; dark

(162.85) Fossiliferous horizontal-bedded argillaceous limestone, sharp basal contact; very dark

(163.1) Fossiliferous horizontal-bedded packstone, irregular basal contact; crinoidal; dark

(163.6) Fossiliferous horizontal-bedded packstone, irregular basal contact; two organic argillaceous horizons

(163.9) Fossiliferous horizontal-bedded grainstone, sharp basal contact; greenish tint and bryozoan-rich in the middle; more crinoidal at top and base; glauconitic at base; stylolites at 164.2, 164.7,165.2, 165.6, 166.05, 167.75, 168.1, 168.5, and 169.5 ft; calcite geode at 166 ft

(171) Ramp Creek Formation
Bioturbated horizontal-bedded siltstone, stylolitic basal contact; geodes throughout

(175.7) Fossiliferous horizontal-bedded grainstone, stylolitic basal contact; crinoidal; minor bryozoan; scattered glauconite grains; stylolites

(186.6) Bioturbated massive packstone, gradational basal contact; geodes

(187.5) Fossiliferous and bioturbated massive dolomitic packstone, gradational basal contact; scattered crinoids; geodes

(188) Fossiliferous massive packstone to wackestone, sharp basal contact; crinoidal

(188.2) Fossiliferous horizontal-bedded grainstone, irregular basal contact; crinoid columnals

(190.8) Bioturbated and fossiliferous horizontal-bedded siltstone, stylolitic basal contact; geodes; scattered fossils; silicified zones

(196.8) Slickensided flaser-bedded grainstone to packstone; crinoidal

(197.5) Bioturbated and fossiliferous horizontal-bedded and ripple-bedded siltstone; geodes