

W-2844
 E. W. Bishop
 USGS, 1951

USGS OK-23

OWNER : John Abney
 LOCATION : SE/4 NW/4 Sec. 17, T37S, R35E
 COUNTY : Okeechobee
 ELEVATION : 34#
 STARTED : October 1951
 COMPLETED : October 1951
 CASING : 496' of 6"
 DEPTH : 925.5'
 DRILLER : M. M. Martin, Okeechobee, Fla
 HEAD : +17 feet land surface
 YIELD : 525 GPM flow
 DRAWDOWN :
 USE : Irrigation of pasture
 QUALITY : Fresh
 REMARKS : 50 samples, 65-925', were
 received from USGS, Ocala,
 and brought into the office by
 George Benedict, January 30,
 1953.

0-65 No samples
 65-100 Sand, quartz, light gray, fine to coarse, clear; with many mollusk shells -
 Arcas, Venericardia sp., Phacoides (Luciniscia) sp., Glycymeris cf.
 pectinata, Phacoides (Bellucina) cf. tuomeyi, Chione cancellata?, C. athleta,
 Oliveella, Marginella and others, coral and Echinoid fragments.
 -Top Miocene ?

100-120 Sand, quartz, micaceous, clayey, fine to medium; with small particles of
 dark phosphorite and a small amount of hard, gray, sandy, phosphatic
 limestone and a few shell fragments.
 120-135 Silt, clayey, very finely sandy, micaceous, light gray-green; with small
 particles of dark phosphorite and fragments of Pectinidae.
 150-165 Clay, finely sandy and phosphatic, silty, micaceous, dark gray-green; with
 a few mollusk fragments
 165-175 Clay as above but dark blue-green; with mollusk fragments and light to dark
 colored phosphorite pebbles up to 10 mm in diameter.
 175-205 Clay, micaceous, pure, fissile, dark greenish-brown.
 205-250 Sand, quartz, clayey, olive drab, medium to coarse; with small dark
 phosphorite particles and numerous mollusk fragments.
 250-275 Clay, very sandy, micaceous, very dark greenish-brown, sand, fine to some
 very coarse, average medium with phosphorite as above; very few mollusk
 fragments.
 275-285 As above plus some plastic blue-green shale.
 285-300 As above, plus a small amount of hard, gray-brown, sandy, phosphatic
 limestone.
 300-345 Clay, sandy, micaceous, olive drab; sand fine to few coarse grains.

345-380 As above, but gray-green in color.
 380-400 Clay, slightly sandy, micaceous, plastic, dark gray-green; with numerous small phosphorite particles.
 400-450 Clay, pure, gray-green to blue-green.
 450-460 Clay, slightly sandy, phosphatic, gray-green; with a small amount of tan, hard, sandy, phosphatic limestone and some mollusk fragments.
 460-470 Clay as above plus some finely crystalline, tan limestone; finely sandy and phosphatic, gray to dark gray limestone; dark chert and phosphorite pebbles up to 5 mm. in diameter. Worn mollusk fragments.
 470-490 Clay, pure, plastic, gray-green, phosphatic; with some material as above. As above, but light gray in color.
 490-515 As above, plus large phosphorite pebbles and numerous mollusk fragments.
 515-525 As above, plus large phosphorite pebbles and numerous mollusk fragments.
 525-540 Clay, tan gray; with pebbles of phosphorite up to 4 mm. in diameter. Mollusk fragments, coral Bryozoa and Foraminifera.
 540-550 As above, plus some light gray-green clay.
 550-602 Clay, tan-gray; with phosphorite pebbles, light colored chert; mollusk fragments.
 -Tampa limestone?
 602-625 Limestone, tan-gray, hard; with phosphorite and quartz sand, cuttings very fine.

-Ocala-
 625-635 Limestone, tan, hard, cuttings very fine.
 635-655 As above, plus a few forams. Lepidocyclina ocala, Camerina sp., coral.
 655-670 As above, but a little lighter in color and with more forams.
 670-690 Foraminiferal coquina, cream. Forams mostly Lepidocyclina and Camerina.
 690-750 As above, plus some cream, chalky limestone. Some of the forams are dark in color.
 -Moody's Branch formation-
 750-765 Limestone, cream, harder than above, with some dark gray crystalline limestone, Camerina the most abundant foram, few Lepidocyclina.
 765-775 As above, plus some crystalline calcite and some chalky limestone.
Camerina moodybranchensis. Coiled calcareous tubes.

-Avon Park-
 775-790 Limestone, Peronella coquina, tan, hard; with some finely crystalline, porous, hard, cream limestone. Sample composed almost entirely of crystalline fragments and well preserved specimens of Peronella dalli, with a few forams - Dictyoconus cookei and Coskinolina floridana.
 790-805 As above, but cuttings are smaller.
 805-830 Limestone, cream, hard, chalky, porous; with many tan crystalline fragments of Peronella.
 830-850 Limestone, cream, hard to some soft, chalky, porous; with Echinoid fragment as above and foraminifers.
 850-925 As above, plus some cream, hard; dense limestone.

Date Bottom of well. Water level Formation

10/26/51 602 +20 feet? Hawthorn
 10/31/51 925.5 17 feet Avon Park

Cont'd

Hawthorn?	Trace	520
Hawthorn?	100+	602
Ocala	350	660
Ocala	450	675
Avon Park	525	925.5

Depth of hole
in feet

Flow in GPM

Formation

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