

Sunniland Quad

Well No. 42 (W-820)

Elevation G.L. 17.6' D.F. 34' K.B.

Location 2038' FEL, 667' FSL

County Collier

Sec. 29

T 48S

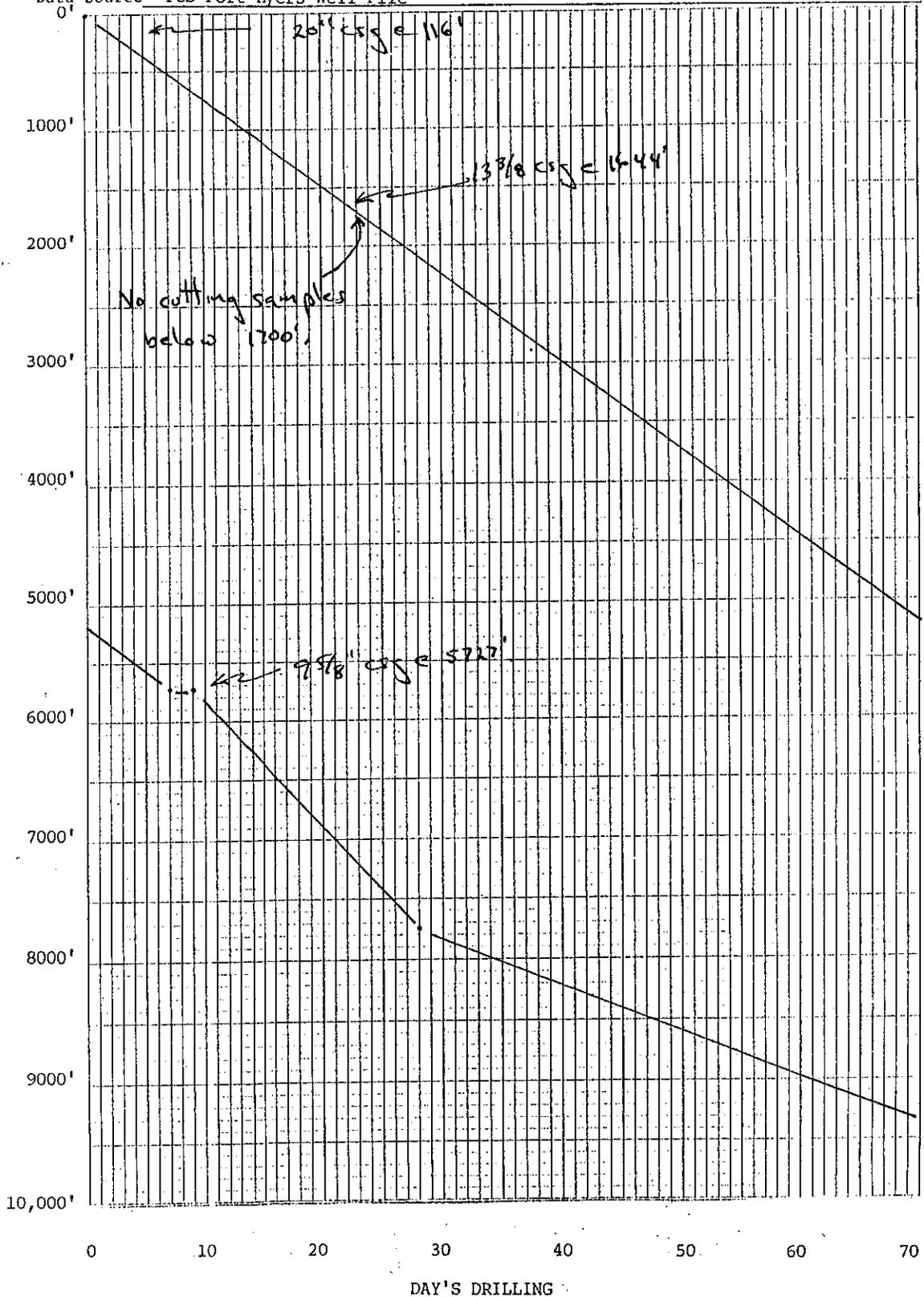
R 30E

TD 11,626'

Well or Owner's Name Humble #1 Gulf Coast Realities Corporation

Data Source FGS Fort Myers Well File

DEPTH BELOW D. F.



1" Elog available 1640' - > 5000'

#42, Sunniland Quad

(W-820) H. A. Sellin
Magnolia Petroleum Company
October 1944

LITHOLOGY LOG

Permit 42

Owner Humble Oil & Refining Company, Houston, Texas; Florida
Farm Name Gulf Coast Realities Corporation No. 1
Location Sunniland, 1980' west of the east line & 660' north of the south line of Sec. 29, T48S, R30E.
County Collier
Elevation 17' Grd; 34' DF
Started February 28, 1943
Completed September 26, 1943
Casing 116' of 20"; 1644' of 13 3/8"; 5727' of 9 5/8"; 11,597' of 7".
Depth 11,626' - FIRST COMMERCIAL OIL WELL
Production Horizon 11,613-11,626'
Driller Loffland Brothers, Tulsa, Oklahoma
Initial Production Pumped 97 bbl oil, 427 bbl salt water.
Total Production 20,550 bbl.
Remarks 693 samples, from 10' to 11,630'

Well was plugged May 14, 1974 and converted into a salt-water disposal well after various attempts to make this a producing well.

0- 10 No sample.
10- 35 Limestone, light gray to white; a sandy, porous shell-marl w/some very clayey limestone.
35- 85 Limestone, ditto, but darker, less sandy and w/shells partly crystalline and dolomitic; pelecypods especially abundant; downward grades to calcareous and dolomitic, hard, medium to medium-coarse sandstone w/fine glauconite which is shaly at the base.
85- 95 Limestone, similar, slightly sandy; a coquina of white pelecypod shells.
95-130 Dolomite, tan to brown, fine, hard, w/scattered medium-fine quartz and glauconite grain; part gray and argillaceous; many macrofossils at the base.
130-140 No sample.
140-188 Sandstone, medium-fine to medium, angular, set in brown-gray, finely sucrose, soft, porous dolomite; some v/coarse grains and small pebbles of quartz and igneous rock (?) and coarse, polished phosphatic grains, teeth and vertebrae.
188-237 Limestone, cream-white, rather coarsely detrital, sandy, porous; part a pelecypod coquina.

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- 237- 310 Dolomite, light tan-gray, very finely sucrose, rather soft, w/floating, coarse, round grains of quartz and a few phosphate pellets and shells; very sandy and w/abundant pebbles at base; pelecypod shells very abundant at 260'.
- 310- 322 Shell bed, dolomitic, firm, w/some medium-coarse and coarse quartz sand grains.
- 322- 345 Shell bed, ditto, w/much brown, finely crystalline, sandy, hard dolomite, as below.
- 345- 380 Dolomite, ditto, but harder, w/pebbles and some medium-coarse, porous sandstone.
- 380- 390 Sandstone, dark gray-brown, medium to medium-fine, very dolomitic, argillaceous w/scattered coarse quartz grains and pebbles and a few phosphate grains; shells.
- 390- 450 Dolomite, nearly white, very fine, firm, vesic, part sandy and glauconitic; many shells and few bryozoa.
- 450- 475 Dolomite, very light buff-gray, very fine and sub-earthly, slightly sandy and glauconitic (fine); moldic or w/dolomitized shells.
- 475- 540 Limestone, nearly white, altered and dolomitic, very firm, slightly porous; much coarse sand in the more dolomitic parts; few shells.
- 540- 650 Limestone, ditto, but w/some light brown, finely sucrose and slightly vesic dolomite; much hard, dark dolomite at base.
- 650- 652 Shale, brown, very fine and very dolomitic.
- 652- 700 Limestone, white, very fine and rather chalky but firm; many medium-fine quartz sand grains and little brown, shiny, phosphate pellets w/Sorites, 685-700.
- 700- 715 Limestone, cream-white, clean and very fine, crystalline, w/large fossils; part sandy.
- 715- 720 Dolomite, light brown, finely crystalline and sub-sucrose slightly vesic.
- 720- 815 Limestone, as above, w/much medium to medium-coarse quartz sand and many shells; some light brown, finely crystalline, porous dolomite below 750' and rather detrital at base; miliolids in part; Rotalia at 750', common at 770'.
- 815- 820 Dolomite, brown, fine, soft, very argillaceous.
- 820- 825 Dolomite, dark green-gray, finely crystalline, hard and brittle, vesic.
- 825- 860 Limestone, as above, w/some dolomite.
- 860- 925 Limestone, cream-white, altered but only slightly dolomitic, part w/fine quartz and phosphate grains; lower part is sandier and more phosphatic and, at base, dolomitic; many pelecypod shells; Rotalia, ostracods and miliolids.
- 925- 965 Limestone, white, detrital, w/many white, chalky round forams; few thin Lepidocyclina and small Gypsina (Coskinolina in sample 940-950' appear to have come from a dolomitic limestone and is probably caved).
- 965-1015 Limestone, similar but whiter and cleaner; abundant and various Lepidocyclina and a few Gypsina throughout.

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- 1015-1230 Limestone, tan-white, finely granular, soft, slightly dolomitic, porous; Lepidocyclina and Operculina throughout, Operculina abundant, 1020-30' and 1060-70' and Lepidocyclina, 1060-70', 1090-1120' and 1140-90'; few small echinoids below 1120'; scattered brown, dolomite crystals below 1170'.
- 1230-1240 Dolomite, brown to dark brown, finely crystalline, hard, w/brown to dark brown, opaque to translucent chert.
- 1240-1265 Limestone, light tan-gray, very finely granular, w/many Camerina; dolomitic at bottom w/a little glauconite.
- 1265-1305 Dolomite, as above, but lighter brown and very finely crystalline and brittle w/a trace of glauconite and some light brown chert; some cream-white, dolomitic limestone.
- 1305-1330 Limestone, cream-white, very fine and rather chalky, slightly to very dolomitic; many Lituonella and Dictyoconus.
- 1330-1400 Limestone, similar but not so fine, detrital w/large brown calcite and dolomite crystals; Lituonella and Dictyoconus.
- 1400-1430 Limestone, similar but finer and more finely detrital; abundant Dictyoconus.
- 1430-1485 Limestone, very similar; many Lituonella and, in bottom half, many small Dictyoconus and some small miliolids.
- 1485-1565 Limestone, white, fine and rather chalky part tan and dolomitic; downward, increasing amounts of tan to brown, detrital limestone, part dolomitic, w/ abundant small Lituonella.
- 1565-1610 Limestone, white, very fine and chalky, w/much medium-detrital limestone; miliolids and other forams; brown and dolomitic below 1590'.
- 1610-1700 Limestone, tan-white, rather finely detrital, porous; many miliolids and large, very flat Dictyoconus w/rounded bases; part dolomitic.
- 1700-1748 No sample.
- 1748-1752 Core: limestone, light brown-gray, fine to rather detrital, very dolomitic; many small Dictyoconus.
- 1752-1754 Core: limestone, white, fine and rather chalky, part w/½" crystals of amber selenite; nearly all altered to brown and dark brown, medium dolomite rhombs.
- 1754-1858 No sample.
- 1858-1861 Core: limestone, very light brown-gray, fine to very finely detrital, slightly dolomitic and porous; abundant Dictyoconus D. americanus?).
- 1861-1864 Core: limestone, ditto.
- 1864-1951 No sample.
- 1951-1957 Core: selenite, in ½" amber crystals w/a little satin spar. Trace of light tan-gray, very fine, slightly dolomitic limestone w/rare Dictyoconus.
- 1957-2043 No sample.
- 2043-2047 Core: limestone, tan, slightly mottled, very finely sucrose and dolomitic, w/the appearance of dolomite; much light brown and brown, finely crystalline gypsum or anhydrite.

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- 2047-2134 No sample.
- 2134-2136 Core: limestone, tan-white, very fine, w/scattered brown dolomite and selenite crystals.
- 2136-2138 Core: limestone, ditto, but brown and very dolomitic.
- 2138-2140 Core: limestone, ditto, but tan-white and w/very little dolomite or gypsum (part satin spar).
- 2140-2199 No sample.
- 2199-2205 Core: limestone, tan to light brown, very fine to compact and brittle, w/dolomitic and slightly vesic; most of sample consists of brown, finely crystalline gypsum or anhydrite.
- 2205-2291 No sample.
- 2291-2293 Core: limestone, as above, w/a little satin spar and brown, finely crystalline anhydrite.
- 2293-2297 Core: limestone, ditto.
- 2297-2383 No sample.
- 2383-2385 Core: dolomite, brown to dark brown, medium-coarsely rhombic; spotted and permeated w/colorless selenite and satin spar.
- 2385-2389 Core: dolomite, ditto, but finer, tighter and specular.
- 2389-2474 No sample.
- 2474-2478 Core: dolomite, brown, very finely crystalline, hard and slightly vesic w/little gypsum.
- 2478-2480 Core: limestone, tan-white, very finely granular; many scattered brown, fine dolomite crystals.
- 2480-2566 No sample.
- 2566-2569 Core: limestone, brown-gray, finely granular, very dolomitic, brown-black, shaly and carbonaceous plant fragments, especially in upper part; abundant white miliolids and very rare, large Discocyclus (Pseudophragma?).
- 2569-2572 Core: limestone, ditto.
- 2572-2658 No samples.
- 2658-2662 Core: limestone, light brown, finely granular, dolomitic; abundant miliolids and Coskinolina (?).
- 2662-2664 Core: dolomite, finely crystalline, sub-rhombic to sub-specular, gypsiferous.
- 2664-2749 No sample.
- 2749-2751 Core: limestone, tan-gray, very fine, w/abundant brown, medium dolomite crystals and a trace of satin spar.
- 2751-2754 Core: dolomite, brown to light brown, medium to medium-coarsely rhombic, part sub-specular.
- 2754-2810 No sample.

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- 2810-2816 Core: limestone, light gray, very fine, slightly vesic, all altered but only slightly dolomitic; some selenite and a trace of satin spar; few miliolids and Coskinolina (?).
- 2816-2871 No sample.
- 2871-2877 Core: dolomite, rich brown, finely rhombic and porous; part sub-specular and tighter.
- 2877-2963 No sample.
- 2963-2969 Core: dolomite, light brown-gray, medium-coarsely rhombic, porous, little light gray, fine limestone, w/many scattered dolomite rhombs; few Coskinolina (?) and miliolids.
- 2969-3056 No sample.
- 3056-3059 Core: limestone, light gray, very fine, dolomitic and slightly vesic, w/scattered dolomite crystals.
- 3059-3062 Core: limestone, ditto, dolomite, honey-brown, medium to medium-coarsely rhombic, porous.
- 3062-3118 No sample.
- 3118-3124 Core: dolomite, as above, dolomite, dark gray to dark brown-gray, very finely crystalline, very hard, w/a few drusy vugs.
- 3124-3179 No sample.
- 3179-3185 Core: dolomite, gray slightly brown, medium-coarsely to fine, crystalline and sub-specular, slightly vesic. Dolomite, light brown, medium-coarsely rhombic, very porous.
- 3185-3240 No sample.
- 3240-3246 Core: dolomite, light brown-gray, very finely crystalline, very hard and vesic; grades to medium crystalline, sub-rhombic to sub-specular, vesic dolomite.
- 3246-3331 No sample.
- 3331-3338 Core: dolomite, light brown-gray, very finely sucross but hard and slightly vesic. Some nearly white, fine, soft dolomite w/some brown-gray shale showing very finely cross-banded laminae.
- 3338-3423 No sample.
- 3423-3429 Core: dolomite, light brown-gray to gray, very finely granular and rather soft, "fused" w/disseminated colorless to light brown anhydrite (?); little gray, finely crystalline anhydrite.
- 3429-3514 No sample.
- 3514-3516 Core: dolomite, mottled, fine and slightly sucrose, finely vesic w/Borelis vugs (?) some gray, lithographic dolomite.
- 3516-3606 No sample.
- 3606-3612 Core: dolomite, light brown w/dark mottling, finely granular to crystalline and sub-specular to sub-rhombic, w/some intercrystalline, brown, anhydrite.
- 3612-3667 No sample.

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- 3667-3673 Core: dolomite, brown to dark brown, very finely rhombic to sucrose, finely vesic. Dolomite, light brown-gray, mottled, fine, tight, w/ miliolids and a little white, crystalline anhydrite.
- 3673-3759 No sample.
- 3759-3765 Core: limestone, light gray to slightly brown-gray compact to lithographic, very dolomitic w/very fine, wavy, shaly laminae; little light tan-gray, finely crystalline and vesic dolomite.
- 3765-3850 No sample.
- 3850-3856 Core: limestone, light gray, very fine and slightly vesic, dolomitic, w/a little dark mottling and part w/dark, wavy laminae; abundant miliolids.
- 3856- 3941 No sample.
- 3941-3947 Core: dolomite, light brown-gray, limey, very finely sucrose and vesic, w/small white spots.
- 3947-4033 No sample.
- 4033-4039 Core: dolomite, light buff-gray, mottled, very fine, w/scattered dark brown anhydrite (?) "cubes" and some round granules suggestive of Borelis, anhydrite, gray and dark gray, very finely crystalline, very hard and tight.
- 4039-4124 No sample.
- 4124 Core: no sample.
- 4124-4216 No sample.
- 4216-4222 Core: dolomite, light brown-gray, porous but w/most interstices filled w/colorless to pale brown selenite; abundant poorly preserved Borelis.
- 4222-4307 No sample.
- 4307-4313 Core: anhydrite, brown and dark brown, specular, very hard.
- 4313-4399 No sample.
- 4399-4405 Core: dolomite, light brown-gray, mottled w/brown anhydrite crystals, w/obscure Borelis. Anhydrite, light brown, finely crystalline, very hard and tight.
- 4405-4551 No sample.
- 4551-4557 Core: dolomite, tan to light brown, mottled, finely granular, firm, w/ poorly preserved Borelis; trace of brown-gray anhydrite.
- 4557-4643 No sample.
- 4643-4649 Core: anhydrite, very finely crystalline.