

P14

W Lb-5S-6W-24 b
W-1385
Chiuh Shan Chen

COMPANY : The Pure Oil Co.
WELL : Gex & Lewin
LOCATION : NE cor. Sec 24, T5S, R6W
COUNTY : Liberty
ELEVATION : 25' D. F.
DEPTH : 4,745'
COMPLETED : 5/28/46

REMARKS : Samples complete, Electric Log available

CHEN 1963

- 0 810 Oligocene and Younger
- 810 1208 Ocala Group
- 1208 2360 Claiborne Group
- 2360 2790 Wilcox Group
- 2790 3026 Midway Group
- 3026 3105 Upper Cretaceous (Navarro)
- 3105 Upper Cretaceous (Taylor)

- 0 585 Oligocene and younger
- 585 735 Gypsiferous (10%) Dolomite, very fine crystalline, dark brown, gypsum fragments rather common
- 735 810 Gypsiferous (20%) Dolomite, as above, more gypsum fragments (or selenite flakes)
- 810 920 Fossiliferous limestone, fragmental, very light brown to chalky white, bryozoa fragments
- 920 955 Highly fossiliferous limestone, fragmental, microcrystalline, very light brown to light brown, large forams (Lenidocyclina, Camerina, etc.) rather common
- 955 965 Gypsiferous (10%) Dolomite, very fine crystalline, brown, sugary textured, gypsum forms streaks
- 965 995 Highly fossiliferous limestone, as above

995	1005	Gypsiferous (10%) DOLOMITE, as above
1005	1040	Fossiliferous LIMESTONE, finely fragmental, rather well-cemented, light gray brown, large forams
1040	1065	Calcareous (20%) DOLOMITE, very fine crystalline, brown, rather soft
1065	1124	Fossiliferous LIMESTONE, finely fragmental, light brown to brown, rather well cemented, large forams, shell fragments, etc., rather common
1124	1190	As above
1190	1208	DOLOMITE, fine crystalline, dark brown, rather soft, sugary
1208	1365	Fossiliferous LIMESTONE, finely fragmental, light gray brown, to gray brown, well preserved forams rare
1365	1400	Argillaceous (10%) LIMESTONE, rather dense, dark gray brown
1400	1410	DOLOMITE, very fine crystalline, dark gray brown, slightly argillaceous and calcareous
1410	1450	LIMESTONE, gray brown, rather dense, slightly argillaceous
1450	1455	DOLOMITE, very fine crystalline as above, the dark gray-brown color may indicate that the dolomite contains organic matter (organic carbon, etc.)
1455	1570	Fossiliferous (fine fragments) LIMESTONE, light graybrown, rather well cemented, no well preserved fossils
1570	1620	Cherty (10%) LIMESTONE, dense, gray brown to dark gray, black chert fragments rather common and Chalcedony-like fragments also present
1620	1735	LIMESTONE, gray brown, rather dense, impure, slightly cherty and argillaceous (?)
1735	1770	Fossiliferous (fragments) LIMESTONE, finely fragmental, light gray brown, rather well cemented, no well preserved fossils but fine fossil fragments (c o. 5 mm)
1770	1800	Cherty (10%) LIMESTONE, gray brown, dark gray brown chert fragments rather common
1800	1890	LIMESTONE, finely fragmental, rather dense, gray brown, few carbonaceous material

1890	2010	Cherty (10%) LIMESTONE, rather dense, very fine fragmental, light gray brown, brown black chert fragments rather common
2010	2100	Cherty (20%) Fossiliferous LIMESTONE, finely fragmental, microcrystalline, rather dense and pure, light brown, dark gray brown, chert fragments common
2100	2360	LIMESTONE, light gray brown, rather dense. The LIMESTONE is very finely powdered and may be mixed w/drilling mud
2360	2430	Glaucanitic Sandy (20% of fine grained quartz sands) LIMESTONE finely fragmental, fossiliferous, light gray brown, rather dense
2430	2587	Argillaceous (10%) Sandy (10%) very fine grained quartz sands, LIMESTONE, gray brown, rather dense, very slightly glauconitic
2587	2590	Calcareous (30%) SHALE, dark gray brown, dense
2590	2615	Glaucanitic and sandy (10% of very fine grained quartz sands), argillaceous (10%) LIMESTONE, slightly silicified, dark gray brown
2615	2640	Cherty (10%) LIMESTONE, rather dense, slightly glauconitic and sandy
2640	2700	Cherty (10%) and sandy (10%) LIMESTONE slightly glauconitic, gray brown, rather dense and hard
2700	2770	Calcareous (30%) CHERT
2770	2790	Cherty (20%) LIMESTONE
2790	2800	Calcareous (10%) SHALE, dark gray brown, laminated
2800	2850	LIMESTONE, dense, light gray brown
2850	2860	Calcareous (10%) SHALE
2860	2915	Cherty (30%) LIMESTONE, rather dense, gray brown
2915	2930	Chalky, fossiliferous LIMESTONE, slightly glauconitic, small forams present
2930	3010	Calcareous (10%) SHALE, laminated, dark brown to dark gray
3010	3026	Calcareous (10%) SHALE AS ABOVE
3026	3043	Chalky fossiliferous LIMESTONE small forams as above
3043	3080	As above
3080	3135	Calcareous (30%) SHALE, dark gray laminated
3135	3180	Fossiliferous, chalky LIMESTONE, forams, Inoceramus prism, e
3180	3327	Calcareous (10%) SHALE, dark gray brown, laminated
3327	3745	Calcareous (10%) SHALE, gray brown, laminated

W-1385
(Driller's Log)

OWNER : The Pure Oil Company
FARM NAME : Gex and Lewin Well No. 1
LOCATION : 1400' West and 630' South of N/E
corner of Sec. 24, T5S, R6W, about
12 miles east of Sumatra
COUNTY : Liberty
ELEVATION : 25.26' Grd.
STARTED : May 5, 1946
COMPLETED : May 28, 1946
DEPTH : 4744'
CASING : 90' of 13-3/8"OD; 157' of 9-5/8"OD;
940' of 7"OD.
DRILLER : Company tools
USE : Oil Test (Dry)
REMARKS : 152 samples, beginning with the
surface and continuing to 4744',
received by express from the Pure
Oil Company on Oct. 7, 1946.
Driller's Log from 0 to 4744'.
Schlumberger from 942 to 4745'.

0-15	Top of rotary to bottom of cellar
15-50	Surface clay, sand and shell
50-96	Sandy clay and sand
96-106	Sticky shale
106-121	Sticky shale
121-136	Sand
136-170	Lime with hard streaks
170-174	Hard lime
174-189	Hard lime
189-402	Lime with hard streaks
402-447	Hard lime
447-523	Lime with hard streaks
523-595	Lime with hard streaks and streaks sandy lime
595-942	Lime with hard streaks
942-947	Hard sand
947-1071	Hard sandy lime
1071-1255	Lime
1255-1678	Lime with hard streaks
1678-1712	Lime with hard streaks
1712-1860	Chalky lime
1860-1958	Lime
1958-2029	Lime with boulders
2029-2049	Lime and boulders
2049-2080	Sticky lime
2080-2092	Sand
2092-2143	Boulders
2143-2461	Sand, lime and shale
2461-2694	Lime, shale and sand rock

2694-2852	Hard sandy shale and hard sandy lime
2852-2871	Hard sandy shale with sand streaks
2871-2897	Sand rock
2897-2920	Hard sandy shale and lime
2920-2932	Hard sandy shale with hard lime streaks
2932-2952	Sand and sandy shale
2952-3025	Sandy shale and lime with hard streaks
3025-3041	Sand
3041-3128	Shale and lime
3128-3165	Sand and sandy shale
3165-3251	Shale and lime
3251-3348	Shale and lime
3348-3448	Shale and lime
3448-3541	Sticky shale and lime
3541-3709	Shale and lime
3709-3719	Hard shale with sticky streaks
3719-3805	Sand and sandy shale
3805-3938	Shale and lime
3938-3948	Shaly sand
3948-4012	Sandy shale with streaks of hard sand
4012-4058	Hard shale
4058-4224	Shale, sand and lime
4224-4350	Hard shale
4350-4364	Sandy shale with streaks hard shale
4364-4464	Hard shale
4464-4487	Sandy shale and lime
4487-4492	Sandy shale and sand streaks
4492-4505	Hard shale with streaks of hard sand
4505-4593	Sand
4593-4696	Firm sand and sandy shale
4696-4728	Shale and lime
4728-4744	Brittle shale
4744	Total Depth

FLORIDA BUREAU OF GEOLOGY - LITHO LOG PRINTOUT

W- 1385 (PERMIT NO-),
 LIBERTY CO. T15S R36W SEC 24
 TOTAL DEPTH- 4745 FT. ELEV.- FT. 32 SAMPLES-^N 50- 1105 FT.^W
 COMPLETED- . . .

WELL NAME-
 PURE OIL COMPANY

REMARKS-
 WORKED BY DAN HARMAN OCTOBER 29, 1975
 146-189 FEET NO SAMPLES
 402-432 FEET NO SAMPLES
 826-857 FEET NO SAMPLES

The term silic cmt. should be replaced by spar
 cmt. in the limestone and dolomite lithologies.

LITHOLOGIC LOG
 W- 1385 . LIBERTY CO. T15S, R36W, SEC 24

50.0 SAND, WHITE, LT GY, 33 PERCENT POROSITY-INTRAGRAN,
 SIZE-CRSE, RANGE- MED-CRSE, ANGULAR, SUB-ANG, MED SPH,
 POOR IND, 01 PCT. FE STAIN, 01 PCT. LIMESTONE, 01 PCT.
 LIMONITE, FORAMINIF, MOLLUSKS, PLANT REM,
 106.0 LIMESTONE, WHITE, LT GY, 05 PERCENT POROSITY-INTRAGRAN,
 INTERCRYS, GRAINTYPE- CRYSTAL, MICRITE, SKEL CAST, 60 PCT.
 ALLOCHEMS, SIZE-MICR, RANGE- MICR- V F, MOD IND, SILIC CMT,
 MICRT CMT, FORAMINIF, MOLLUSKS, SPICULES,
 116.0 MICRITE, MU LT GY, NO GY, POROSITY- LOW PERM, GRAINTYPE-
 MICRITE, 20 PCT. ALLOCHEMS, SIZE-MICR, RANGE- CRYP-MICR,
 MOD IND, 01 PCT. PHOS SAND, 01 PCT. FE STAIN, CORAL,
 146.0 LIMESTONE, WHITE, LT GY, 05 PERCENT POROSITY-INTERCRYS,
 LOW PERM, GRAINTYPE- CRYSTAL, 75 PCT. ALLOCHEMS, SIZE- V F,
 RANGE- MICR- V F, GOOD IND, SILIC CMT, 10 PCT. PHOS SAND,
 01 PCT. FE STAIN, 01 PCT. LIMONITE, 01 PCT. QUARTZ,
 CORAL, SPICULES, MOLLUSKS,
 220.0 AS ABOVE,
 250.0 AS ABOVE,
 280.0 AS ABOVE,
 311.0 LIMESTONE, WHITE, 05 PERCENT POROSITY-INTERCRYS, LOW PERM,
 GRAINTYPE- CRYSTAL, 60 PCT. ALLOCHEMS, SIZE- V F, RANGE-
 MICR- V F, GOOD IND, SILIC CMT, MICRT CMT, 01 PCT. PHOS SAND,
 01 PCT. FE STAIN, FORAMINIF,
 341.0 AS ABOVE,
 372.0 DOLOSTONE, GY BR, 05 PERCENT POROSITY-INTERCRYS, LOW PERM,
 50-90 PCT. ALTERED, SUBHEOPAL, SIZE- V F, RANGE- MICR- V F,
 GOOD IND, SILIC CMT, DOLOM CMT, FORAMINIF,
 402.0 LIMESTONE, WHITE, 05 PERCENT POROSITY-INTERCRYS, LOW PERM,
 GRAINTYPE- CRYSTAL, 60 PCT. ALLOCHEMS, SIZE- V F, RANGE-
 MICR- V F, GOOD IND, SILIC CMT, MICRT CMT, 01 PCT. DOLOMITE,
 461.0 DOLOSTONE, GY BR, POROSITY-INTERCRYS, LOW PERM, 50-90 PCT.
 ALTERED, EUBECRAL, SIZE-MICR, RANGE- CRYP-MICR, GOOD IND,
 01 PCT. LIMONITE,
 492.0 AS ABOVE,
 524.0 AS ABOVE,
 554.0 AS ABOVE,
 584.0 LIMESTONE, WHITE, GY BR, 05 PERCENT POROSITY-INTERCRYS,
 LOW PERM, GRAINTYPE- CRYSTAL, 60 PCT. ALLOCHEMS, SIZE- V F,
 RANGE- MICR- V F, GOOD IND, 50 PCT. DOLOMITE, 01 PCT.
 LIMONITE, CORAL,
 614.0 AS ABOVE,
 644.0 AS ABOVE,
 674.0 LIMESTONE, WHITE, GY BR, 05 PERCENT POROSITY-INTERCRYS,
 LOW PERM, GRAINTYPE- CRYSTAL, 40 PCT. ALLOCHEMS, SIZE- V F,
 RANGE- MICR- V F, GOOD IND, 50 PCT. DOLOMITE, 01 PCT.
 LIMONITE, FORAMINIF,
 704.0 AS ABOVE,
 735.0 AS ABOVE,
 764.0 AS ABOVE,
 795.0 LIMESTONE, WHITE, LT GY BR, 05 PERCENT POROSITY-INTERCRYS,
 LOW PERM, GRAINTYPE- CRYSTAL, 50 PCT. ALLOCHEMS, SIZE- V F,
 RANGE- MICR- V F, GOOD IND, 30 PCT. DOLOMITE,
 826.0 LIMESTONE, WHITE, LT GY BR, 05 PERCENT POROSITY-INTERCRYS,
 LOW PERM, GRAINTYPE- CRYSTAL, 50 PCT. ALLOCHEMS, SIZE- V F,
 RANGE- MICR- V F, GOOD IND, 30 PCT. DOLOMITE, CORAL,
 BRYOZOA,

LITHOLOGIC LOG
W- 1385 . LIBERTY CO. T65S, R06W, SEC 24

887.0 AS ABOVE ;
917.0 AS ABOVE ;
923.0 NO SAMPLE ;
953.0 LIMESTONE, WHITE, LT GY, 05 PERCENT POROSITY-INTERCRYS,
LOW PERM, GRAINTYPE- CRYSTAL, 20 PCT. ALLOCHEMS, SIZE-MICR,
RANGE- MICR- V F, GOOD IND, SILIC CMT, 11 PCT. PHOS SAND,
01 PCT. FE STAIN, FORAMINIF,
983.0 LIMESTONE, WHITE, GY BR, 05 PERCENT POROSITY-INTERCRYS,
LOW PERM, GRAINTYPE- CRYSTAL, 20 PCT. ALLOCHEMS, SIZE-MICR,
RANGE- MICR- V F, GOOD IND, SILIC CMT, DOLOM CMT, 10 PCT.
DOLOMITE, CORAL, BRYOZOA, SPICULES,
1014.0 LIMESTONE, WHITE, GY OR BK, 05 PERCENT POROSITY-INTERCRYS,
LOW PERM, GRAINTYPE- CRYSTAL, 20 PCT. ALLOCHEMS, SIZE-MICR,
RANGE- MICR- V F, GOOD IND, SILIC CMT, 10 PCT. DOLOMITE,
01 PCT. FE STAIN, MOLLUSKS, CORAL,
1045.0 CHALK . WHITE, POROSITY- LOW PERM, POOR IND,
1075.0 AS ABOVE ;
1105.0 AS ABOVE ;
LAST SAMPLE WORKED
4745.0 TD

*** END OF DATA ***