P11

W-1114
(Driller's Log)

OWNER: Stanolind Oil and Gas Co.
FARM NAME: #1 Perpetual Forests Inc.
LOCATION: Sec. 5, T11S, R11E, 8 miles southwest of Cross City. 585' E and 725' S of NW/cor.
COUNTY: Dixie
ELEVATION: 23' Grd; 36' Rotary Table
STARTED: April 19, 1946
COMPLETED: August 10, 1946
DEPTH: 7510'
CASING: 20" conductor at 43' w/120 sks; 16" at 212' w/390 sks. Lost circ at 780'. 10 3/4" at 1701' w/600 sks.
CONTRACTOR: Hewgley Drilling Co., Yazoo City, Miss.
USE: Test for oil
REMARKS: 635 samples, beginning with 40' and continuing to 7510', received by express from Stanolind Oil and Gas Co. on August 30, 1946. 0-40 no samples. 780-1710 no samples, lost circulation zone. Samples at 1650 were from clogged up drill collar. 152 samples (all cores) beginning with 1942' and continuing to 7510' brought in by Mr. Joe Banks on Sept. 9, 1946. Cores #36 and 60 brought in on Oct. 18, 1946, by Mr. Joe Banks. No recovery was made on Cores #47, 50, 59, 62 and 72.

(Dup. Smpls. & Cores in wrhs.

0-46	Sand and lime rock - set 28' of 20" casing at 43'.
46-240	Lime rock
	Set 197' of 16" casing at 212' w/390 sks. cement.
240-550	Sand, shells, lime rock
550-703	Lime and sand
703-1007	Lime rock
1007-1122	Lime very hard
1122-1129	Dolomite
1129-1710	Sand and lime - Schlumberger from 212' to 1710'
	Set 1687' of 10 3/4" casing at 1701' w/600 sks.
1710-2090	Lime and sand
2090-2273	Dolomite and gyp
2273-2915	Lime and chalk
2915-3135	Chalk
3135-3350	Chalk and shale
3350-3660	Shale
3660-3710	Shale streaks lime and sand
3710-4846	Sand and shale
4846-4865	Lime and sand
4865-5080	Sand and shale
5080-5100	Sand and clay
5100-5295	Sand and shale
5295-5330	Shale and sand
5350-7510	Sandstone - hard

TOTAL DEPTH 7510'

W-1114
Copied from Schlumberger
February 14, 1952

OWNER: Stanolind Oil and Gas Co.
FARM NAME: #1 Perpetual Forests Inc. (Permit No. 11)
LOCATION: Sec. 5, T11S, R11E, 8 miles SW of Cross City, 585' E and 725' S of NW/corner.

COUNTY: Dixie
ELEVATION: 23' Grd. 36' Rotary Table Schl. from Riley's
STARTED: April 19, 1946
COMPLETED: August 10, 1946
DEPTH: 7510'
DRILLER: Hewgley Drilling Co., Yazoo City, Miss.
CASING: 20" conductor at 43' w/120 sks. 16" at 212' w/390 sks. Lost Circ. at 780'. 10-3/4" at 1701' w/600 sks.
USE: Test for oil
REMARKS: 635 samples, beginning with 40' and continuin to 7510', received by express from Stanolind Oil Co., on August. 30, 1946.
0-40 no samples. 780-1710 no samples-lost circulation zone. Samples at 1650 were from clogged up drill collar. 152 samples (all cores) beginning with 1942' and continuing to 7510', brought in by Mr. Joe Banks on Sept. 9, 1946. Cores #36 and 60 brought in on Oct. 18, 1946, by Mr. Joe Banks. No recovery was made on Cores #47,50,59,62,72. Driller's log from 0-7510'. Schl. from 210-7506'. Core Descriptions

(1) 1942-1962 5' white, buff and light brown, fine, medium crystalline, macrofossiliferous dolomite with large fossil vugs. Gypsum inclusions in some fossil vugs and in vertical fractures.
(2) 1962-1982 6' same.
(3) 1982-2002 3' same, with trace black, carbonaceous markings.
(4) 2002 -2022 3' same, with abundant gypsum inclusions.
(5) 2022-2038 Rec. 5'
Top: Same.
Middle: Cream, earthy dolomite with irregular gypsum stringers.
Bottom: Cream, medium, crystalline, porous dolomite with gypsum inclusions and carbonaceous material around inclusions.
(6) 2070-2090 14' Cream to buff, fine, medium crystalline, granular, moldic dolomite with gypsum inclusions and large anhydrite pellets.
(7) 2090-2110 5' Cream to buff, fine, crystalline, earthy dolomite with anhydrite streaks.
(8) 3550-3560 5' Light gray, very calcareous shale to dark, olive-gray with white chalk spots.
(9) 3560-3570 5' Same.
(10) 3570-3578 8' Same, with organic matter.
(11) 3578-3588 10' Same, less calcareous.
(12) 3588-3598 Same.
(13) 3598-3608 5' Same; trace of limestone and greenish-gray non-calcareous shale.
(14) 3608-3618 10' Light greenish-gray, non-speckled shale.
(15) 3618-3628 5' Same, with trace of gray limestone.
(16) 3628-3637 4' Same.
(17) 3637-3647 Rec. 10'
Top 9' Hard, gray, slightly sandy, calcareous shale. Trace glauconite, mica, pyrite.
Bottom 1' Hard, gray, very sandy, calcareous shale.

(18) 3647-3652 Rec. 5'
Top 2' Gray, very sandy shale.
Bottom 3' Soft, shaly, fine to coarse sand.
(19) 3652-3658 Rec. 3'
Top 2½' Sand as above.
Bottom 6" Black sandy shale.
(20) 3658-3660 3' Hard, black shale.
(21) 3660-3668 Rec. 3'
Top 2½' Same.
Bottom 6" Very soft, shaly sand with salty taste.
(22) 3668-3673 2' Gray, soft, shaly, fine to coarse sand.
(23) 3673-3678 2½' Gray, soft, shaly sand.
(24) 3678-3683 Rec. 2'
Top 1½' Gray, soft, shaly sand.
Bottom 6" Dark gray shale.
(25) 3683-3688 Rec. 5'
Top 3' Gray, soft, shaly sand.
Middle 1' Green, glauconitic, phosphatic, medium to coarse sand.
Bottom 1' Gray shale.
(26) 3688-3695 Rec. 4½'
Top 1' Gray shale; 1' green, glauconitic, phosphatic, medium to coarse san
1' gray shale.
Bottom 1½' Green, coarse sand with streaks of dark gray shale.
(27) 3695-3700 5' Light gray, soft, medium to coarse sand.
(28) 3700-05 Rec. 4½'
Top 6" Gray, soft, medium to coarse sand.
Bottom 4' Gray shale with sand streaks.
(29) 3705-10 4' Dark, gray shale.
SLM 3710 - 23 (footage probably lost gradually in coring soft sand and shale below 3660').
(30) 3723-33 5½' greenish-gray, argillaceous, fine grained sand with salt water taste.
(31) 3733-44 Rec. 2½'
Top 5' Green, finely sandy, micaceous, hard shale.
2' Light gray, fine, slightly glauconitic sand;
7' Very fine, green shale as above: 13' greenish-gray to light gra
finely micaceous, argillaceous sand.
Bottom 3' Sand, as above, with thin streaks of green-gray shale.
(32) 3741-51 Rec. 2½'
14" Dark green-gray, very sand, micaceous, hard shale, 6" gray, fine grain, argillaceous, micaceous sand; 8" shale as above, bottom 2" light gray sand, laminated with green-gray, finely sandy shale.
(33) 3751-56 Rec. 1'
Top 10" Greenish-gray, very argillaceous, micaceous, plastic, fine sand,
Bottom 2" Very light gray, argillaceous, micaceous, fine to very fine sand with streaks of green-gray to black clay.
(34) 3756-61 ? Green, waxy, sandy shale with pink, fine to medium rounded sand grains.
(35) 3761-70 Rec. 9'
2' Shale as above; 2' same with red shale ;
1' 8" fine to medium, green, argillaceous sand with pebbly zones an
sandy clay; 1' 10" same with lavendar and maroon mottling; 10" gray
brown, fine to coarse sand; 6" gray, brown, lavendar and maroon
mottled fine to medium argillaceous micaceous sand.
(36) 3770-76 5' variegated red and gray, sandy shale, and shaly, micaceous sand.
(37) 3776-86 5' Yellow-brown to gray-buff, medium grain sand with few coarse grains; some green and pink, very soft, micaceous, argillaceous cla
(38) 3786-94 8' sand as above, with pink to purple mottling in bottom 5½'.

(38)		White and green clay with muscovite and chlorite.
(39)	3794-3804	7' sand as above, with maroon and gray clay pebbled in bottom 2" of co
(40)	3804-14	2½' white, medium to coarse, porous sand. Some pink grains and chlorit
(41)	3814-24	Rec. 7'
	Top 1'	Sand as above with 1' of black carbonaceous clay at bottom: bottom 6' purple and gray mottled, very fine, very micaceous sand.
(42)	4053-61	6' red, soft, porous, medium to fine grain, shaly sand with streaks of gray sand. Slight salty taste.
(43)	4061-68	7' Red, yellow and white mottled, soft, porous, medium grain sand with streaks of red, purple and yellow, hard, sandy shale. Slight salty taste.
(44)	4068-78	4' red to brown, very soft, porous, chaly, medium grain sand with few bands of hard yellow sandstone.
(45)	4111-16	5' maroon to green, fine to medium, argillaceous sand.
(46)	4181-88	6' gray and brown, argillaceous, fine sand with few gray to red clay partings.
(47)	4188-91½	0'
(48)	4195-97	2' maroon, green spotted, silty hard shale.
(49)	4300-10	1' maroon, silty, micaceous clay with nodules of limestone or dolomite in bottom 4".
(50)	4310-15	0'
(51)	4315-20	2' maroon, porous, argillaceous, medium sand.
(52)	4320-4330	Rec. 5½'
	Top 2'	Maroon, silty clay; bottom 5' 4" maroon, argillaceous, micaceous, fine sand.
(53)	4330-40	2' same.
(54)	4385-90	2' green, finely micaceous clay with maroon streaks.
(55)	4635-44	Rec. 5½'
	Top 2' 3"	Maroon to gray-green and yellow, argillaceous, fine to medium grain sand. Salty taste. 3" hard, red, gray-green, sandy limestone; 3' maroon to green, firm sand with hard, sandy limestone streaks.
(56)	4644-45	1' maroon, firm, medium grain sand.
(57)	4645-49	Rec. 2'
	Top 10"	Red to gray-green, hard, sandy dolomitic limestone; 4' red, soft argillaceous s and; 10" hard dolomitic limestone.
(58)	4699-4704	Rec. 2'
	Top 4"	Maroon to pale green, firm medium grain sand; 8" varicolored, mottled shale with streaks of hard, sandy limestone; 4" white, pink, green, lavendar nodular, hard, sandy limestone; 4" maroon to light green, fir medium grain sandstone; 4" maroon, sandy shale.
(59)	4715-25	0'
(60)	4801-06	6" gray, firm, argillaceous, fine grain sandstone with salty taste.
(61)	4806-11	Rec. 1'
	Top 8"	Gray sandstone as above; bottom 4", hard, gray, sandy shale.
(62)	4811-16	0'
(63)	4816-21	Rec. 3'
	Top 2½'	Black, hard, sandy, pyritic sandstone grading down into gray-green, hard, fine grain shaly sandstone and soapy green shale; bottom 6" brown, waxy shale.
(64)	4821-26	Rec. 4'
	Top 8"	Brown shale as above; 16" blue-green, fine grain, argillaceous sandstone with red and brown, waxy shale mottling; bottom 2' red, brown shaly, fine grain sand with shale bands.
(65)	5100-05	1' white, very argillaceous, fine to coarse sand.
(66)	5105-15	5' white to light green, very argillaceous, fine to coarse sand.
(67)	5174-79	4½' mottled argillaceous, fine to coarse sand.
(68)	5231-35	Rec. 3½'
	Top 2'	Mottled sandy clay; 1' mottled argillaceous, fine to coarse sand; ½" mottled sandy clay.
(69)	5347-50	3' gray-green, hard, tight, fine grain sandstone with seams of brown, micaceous and gray-green vermicular-like structures.
(70)	5415-20	5' white to gray, hard, tight, micaceous, fine grain sandstone with

	abundant shaly, micaceous seams and vermicular structures of white sandstone.
(71) 4430-32	18" light gray, very hard, slightly calcareous, siliceous, micaceous, fine grain sandstone.
(72) 6225-29	0'
(73) 6229-36	8' greenish-gray, hard, tight, fine to medium grain sandstone with micaceous shale streaks and inclusions of gray quartzite.
(74) 6243-50	6' greenish gray, tight, fine grain sandstone with streaks of gray to brown micaceous shale and light green-gray, medium crystalline quartzite.
(75) 6273-80	6' green, tight, fine to medium grain sandstone with thin laminae of shale.
(76) 7065-70	5' green-gray, dark gray, fractured maroon, micaceous, argillaceous, arkosic, fine sandstone with pebbles of quartzite and soft, argillaceou sandstone.
(77) 7500-10	10' gray, hard, fine grain sandstone.

W-1114
(Southeastern Geological Society Mesozoic Cross-Section Committee - 1949)

Line A to A^1

OWNER: Stanolind Oil & Gas Co., #1 Perpetual Forest Inc. (Permit No. 11)
LOCATION: Sec. 5, T11S, R11E, 8 miles southwest of Cross City. 585' E and 725' S of NW/corner
COUNTY: Dixie
ELEVATION: 23' Grd; 36' Rotary Table
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DEPTH: 7510'
CONTRACTOR: Hewgley Drilling Co., Yazoo City, Miss.
CASING: 20" conductor at 43' w/120 sx; 16" @ 212' w/390 sx. Lost circulation at 780'; 10-3/4" @ 1701' w/600 sx.
USE: Test for oil
REMARKS: 635 samples, 40' to 7510', received by express from Stanolind Oil Co. Aug. 30, 1946 0-40 no samples. 780-1710 no samples, lost circulation zone. 152 cores from 1942-7510' received from Joe Banks, Sept. 9, 1946. Cores #36 and 60 received Oct. 18, 1946 from Joe Banks. No recovery was made on Cores #47, 50, 59, 62 and 72.

CRETACEOUS SYSTEM - GULF SERIES

NAVARRO EQUIVALENT

1982-2118	Dolomite
2118-2166	Limestone
2166-2196	Dolomite
2196-2236	Limestone
2236-2266	Dolomite
2266-2294	Limestone
2294-2316	Dolomite
2316-2348	Limestone
2348-2378	Dolomite
2378-2404	Limestone
2404-2429	Dolomite

TAYLOR EQUIVALENT

2429-2452	Limestone
2452-2482	Dolomite
2482-2512	Limestone
2512-2544	Dolomite
2544-2804	Chalk

AUSTIN EQUIVALENT

2804-3060	Chalk
3060-3171	Shale and chalk
3171-3224	Chalk
3224-3504	Shale and chalk
3504-3618	Calcareous or nodular limestone

ATKINSON FORMATION - Zone A
Fauna: Planulina eaglefordensis
Valvulineria infrequens
Gumbelina moremani
Trochammina wickendeni, etc.

3618-3648 Calcareous or nodular limestone.
ATKINSON FORMATION - Zone B
3648-3739 Red or variegated sand, glauconite.
Fauna: Ammobaculites braunsteini A. comprimat A. advenus
Ammobaculoides plummerae
Trochammona rainwateri, etc.
COMANCHEE SERIES
3739-5226 Red or variegated sand and shale, calcareous or nodular streaks.
PALEOZOIC OR IGNEOUS ROCK
5226-7510 Hard sand.

Taken from Mesozoic Committee Cross Section by Mary W. Blount, September, 1950.

CORE RECORD - PERPETUAL FORESTS WELL 1 W-1114

CORE NO.	FROM - TO		DESCRIPTION OF CORE AND RECOVERY
1	1942-1962	Rec. 6'	Dol w/gyp
2	1962-1982	" 6"	Same
3	1982-2002	" 3'	"
4	2002-2022	" 3'	"
5	2022-2038	" 5'	Dol. w/anhy. streaks
6	2070-2090	" 14'	Dol. w/gyp and anyy. streaks. Top of Suggested Cretaceous at 1909'.
7	2090-2110	" 5'	Dol. w/anhy. streaks
8	3550-3560	" 5'	Gray shale
9	3560-3570	" 10'	Same
10	3570-3578	" 8'	"
11	3578-3588	" 10'	"
12	3588-3598	" 9'	"
13	3598-3608	" 5'	"
14	3608-3618	" 10'	"
15	3618-3628	" 10'	" w/ streaks of lime
16	3628-3637	" 4'	"
17	3637-3747	Rec. 10'	Hard gray sandy shale
18	3647-3652	" 5'	Shaly sand
19	3652-3658	" 3'	Sand and sandy shale
20	3658-3660	" 2'	Hard black shale
21	3660-3668	" 3'; 2' 6"	Dark gray shale 6" soft sand
22	3668-3673	" 2'	Soft sand
23	3673-3678	" 2' 6"	Soft sand
24	3678-3683	" 2'	Same.
25	3683-3688	" 5'	Sand and streaks of shale
26	3688-3695	" 4'6"	Sand and sandy shale
27	3695-3700	" 5'	Sandy shale
28	3700-3705	" 4'	Sand and sandy shale
29	3705-3710	" 4'	Shale
30	3723-3733	" 5'6"	Sandy shale
31	3733-3741	" 2'6"	Shale and sand
32	3741-3751	" 2'6"	" " "
33	3751-3756	" 4'	Green shale
35	3761-3771	" 9'	Shale and s and
36	3771-3776	" 4'	" " "
37	3776-3786	" 5'	Sand
38	3786-3794	" 8'	"
39	3794-3804	" 7'	"
40	3804-3814	" 3'	"
41	3814-3824	" 8'	"
			Ran Schlumberger 1701' to 3910'
42	4053-4061	" 6'	Soft sand
43	4061-4068	" 7'	" "
44	4068-4078	" 4'	Shaly sand
45	4111-4116	" 5'	Soft sand
46	4181-4188	" 6'	Sand w/fresh water
47	4188-4191	"	No recovery
48	4195-4197	" 2'	Red shale
49	4300-4310	" 1'	" "
50	4310- 4315	"	No recovery
51	4315-4320	" Rec. 2'	Red sand
52	4320-4330	" 5'6"	" "
53	4330-4340	" 2'	Green shale
54	4385-4390	" 1'6"	Shale
55	4635-4644	" 5'6"	Sand w/lime streaks

CORE RECORD

56	4644-4645	Rec.	1' Sand
57	4645-4649	"	2' Hard sandy limestone and red sand
58	4699-4704	"	2' Sand w/shale streaks
59	4715-4725	"	No recovery
60	4801-4806	"	2' Hard sandy shale
61	4806-4811	"	1' " " "
62	4811-4816	"	No recovery
63	4816-4821	"	3' Black shale and gray sand and shale
64	4821-4826	"	4' Brown shale and sand
65	5100-5105	"	1' Sand
66	5105-5115	"	5' Sand
67-	5174-5179	"	4'6" Sand
68	5231-5235	"	4' Hard sandy shale
69	5347-5350	"	3' " " "
70	5415-5420	"	5' Hard sandstone w/mica shale
71	5530-5532	"	1'6" " " " "
72	6225-6228	"	No recovery
73	6229-6236	"	8' Hard sandstone (picked up 1' from Core #72)
74	6243-6250	"	6' Hard sandstone
75	6273-6280	"	6' " "
			Ran Schlumberger from 3750' to 6275'
76	7065-7076	"	5' Hard sandstone showing definite fractures
77	7500-7510	"	10' Hard gray sandstone
			Ran Schlumberger from 6275' to 7506'

WDx-11S-11E-5
W-1114
Chiuh Shan Chen

COMPANY	:	Stanolind Oil & Gas Co.
WELL	:	Perpetual Forest
LOCATION	:	Sec. 5, T11S, R11E
COUNTY	:	Dixie
ELEVATION	:	33 D. F.
DEPTH	:	7,506'
COMPLETED	:	8/8/46
REMARKS	:	Incomplete Samples, Elec. Log available

CHEN 1963

0	30'	MIOCENE AND YOUNGER
30	210	OCALA GROUP
210	505	AVON PARK LIMESTONE
505	1145	LAKE CITY LIMESTONE
1145	1620	OLDSMAR LIMESTONE
1620	1900	CEDAR KEYS LIMESTONE
1900	2560	UPPER CRETACEOUS (LAWSON LIMESTONE)

0	30	Miocene and Younger
30	150	Fossiliferous LIMESTONE
150	210	DOLOMITE
210	300	DOLOMITE
300	305	LIMESTONE
305	385	DOLOMITE
385	405	Calcitic (10%) Fossiliferous DOLOMITE, microcrystalline
405	450	DOLOMITE
450	480	Calcitic (20%) DOLOMITE
480	505	DOLOMITE

505	600	Dolomitic, carbon aceous material and chert fragments
600	610	Fossiliferous LIMESTONE
610	625	DOLOMITE
625	645	Fossiliferous LIMESTONE
645	655	DOLOMITE
655	660	Fossiliferous LIMESTONE
660	795	DOLOMITE
795	805	Fossiliferous LIMESTONE (?)
805	810	PEAT (?)
810	825	Fossiliferous LIMESTONE
825	835	DOLOMITE
835	860	Fossiliferous LIMESTONE
860	890	DOLOMITE
890	900	Fossiliferous LIMESTONE
900	970	DOLOMITE
970	980	Fossiliferous LIMESTONE
980	1020	Calcitic (20%) DOLOMITE
1020	1065	Fossiliferous LIMESTONE
1065	1100	Gypsiferous (10%) DOLOMITE (?)
1100	1145	DOLOMITE
1145	1220	Fossiliferous LIMESTONE
1220	1245	DOLOMITE
1245	1270	Fossiliferous LIMESTONE
1270	1290	DOLOMITE

1290	1395	DOLOMITE
1395	1410	Fossiliferous LIMESTONE
1410	1445	Gypsiferous (10%) DOLOMITE (?)
1445	1490	Fossiliferous LIMESTONE
1490	1520	Gypsiferous (10%) DOLOMITE (?)
1520	1545	Fossiliferous LIMESTONE
1545	1580	DOLOMITE
1580	1620	Gypsiferous (10%) DOLOMITE (?)
1620	1710	DOLOMITE, gray brown, microcrystalline
1710	1800	DOLOMITE, brown, microcrystalline and slightly gypsiferous
1800	1810	Calcitic (10%) DOLOMITE, gray to graybrown, microcrystalline
1810	1860	Calcitic (10%) DOLOMITE, microcrystal line, gypsiferous
1860	1870	Gypsiferous (10%) DOLOMITE, microcrystalline
1870	1900	DOLOMITE, microcrystalline and slightly gypsiferous
1900	1910	Gypsiferous (10%) DOLOMITE, brown to gray brown, rather pure, very fine crystalline
1910	1960	DOLOMITE, light brown to brown, pure and clean, very fine crystalline and slightly gypsiferous
1960	2035	DOLOMITE, as above
2035	2050	DOLOMITE, very light brown, microcrystalline, pure
2050	2060	Gypsiferous (10%) DOLOMITE, microcrystalline
2060	2070	DOLOMITE, microcry stalline
2070	2085	Gypsiferous (10%) DOLOMITE, microcrystal line to very fine crystalline, irregular Anhydrite bands also present
2085	2115	DOLOMITE, microcrystalline, slightly calcitic, gypsiferous
2115	2135	DOLOMITE, very fine crystalline

2135	2145	Gypsiferous (10%) DOLOMITE
2145	2160	DOLOMITE
2160	2170	Gypsiferous DOLOMITE
2170	2185	DOLOMITE
2185	2195	Gypsiferous DOLOMITE
2195	2255	DOLOMITE
2255	2295	Chalky, fossiliferous LIMESTONE with forams
2295	2370	DOLOMITE
2370	2380	Chalky LIMESTONE
2380	2385	DOLOMITE
2385	2395	Chalky LIMESTONE
2395	2400	DOLOMITE
2400	2415	Chalky, fossiliferous LIMESTONE
2415	2425	DOLOMITE
2425	2445	Chalky, fossiliferous LIMESTONE
	2550	
2550	2560	DOLOMITE
2560	2890	Chalky LIMESTONE

W-1114
(R. O. Vernon)
1-6-54

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COMPLETED:Aug. 10, 1946 Schl. from Riley's
DEPTH : 7510' CONTRACTOR: Hewgley Drilling Co. Yazoo, Mis,
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OCALA LIMESTONE (restricted)

40,50,60,70 Coquina of large forams in white granular fragmental limestone. Specie "F" of Levy County @ 40-50' and Heterostegina sp.

70,80,90,100,110,120,
130,140,150 As above, but very granular, tan, sugary dolomite. Top of Moodys Branch - Williston member estimated at 135 feet.

150,160, 170 Tan sugary dolomite with Comerina molds

MOODYS BRANCH FORMATION - Inglis member

Top at 170' or higher.

170, 180, 190 As above and gray granular limestone with two Periarchus fragments and eroded Coskinolina sp.

Dolomitized Periarchus at 200'

Carbonized parts at 220'

AVON PARK LIMESTONE

Top of Avon Park at 215'

220, 230, 240, 250
and down to 470-480,
500-510

Brown sugary dolomite, Coskinolina molds.

LAKE CITY LIMESTONE

510-520 Dolomotic as above and brown dense limestone with Dictyoconus americanus.

Top of Ocmar estimated at 800' (electric log)

FLORIDA BUREAU OF GEOLOGY - LITHO LOG PRINTOUT

W- 1114

DIXIE CO. T11S R11E SEC 5 29 33 28 N 83 14 46 W
TOTAL DEPTH- 7506 FT. ELEV.- 33 FT. SAMPLES- - FT.
COMPLETED- 46. 8. 8 DEPTH WORKED 2560 FT.

OTHER GEOPHYSICAL LOGS AVAILABLE -

ELECTRIC

WELL NAME-
STANOLIND OIL AND GAS CO., PERPETUAL FOREST WELL, HEWGLEY DRILLING CO.
REMARKS-
DESCRIPTION BY CHIUH SHAN CHEN, 1963
0.0- 30.0

STRATIGRAPHIC FORMATIONS -

30.0-	210.0	OCALA GROUP
210.0-	505.0	AVON PARK LIMESTONE
505.0-	1145.0	LAKE CITY LIMESTONE
1145.0-	1620.0	OLDSMAR LIMESTONE
1620.0-	1900.0	CEDAR KEYS LIMESTONE
1900.0-	2560.0	LAWSON LIMESTONE

*** END OF DATA ***

P11

Perpetual Forest, Inc.
Stanolin
Dixie County, Florida
(Upper Part)
Report By: E. R. Applin
Date: 1952

Note: Samples not too good on this break, abundant cavings; break doesn't show up clearly until sample 1880 - 90', but S.E.G.S. probably correct in pushing it up to the Schlumberger break at about 1865 (Top of Upper Lawson)

1880 - 90'	Cavings and some light grayish-brown, crypto-crystalline to somewhat granular pitted gypsiferous dolomitic limestone.
1890 - 1900'	Same as above.
1900 - 10'	First clearly defined definite Upper Lawson material. Almost white crypto-crystalline to somewhat granular and pitted gypsiferous limestone. Some fragments of Rudistid-like fossiliferous material.
1910 - 20'	Light cream, crypto-crystalline, gypsiferous limestone, with white (granular chalky) highly porous areas. Vague traces of fossiliferous material, including Rudistid fragments.
1920 - 30'	Like the preceding, but more dense and more indurated, and with little obvious fossiliferous material.
1930 - 40'	Like the preceding, but irregularly, crypto-crystalline, somewhat pitted; and granular chalky and finely porous; both types of limestone gypsiferous. Traces of fossils (fragments of molds and casts).
1940 - 2030'	No change.
2030 - 40'	Mainly light cream and chalky in texture, finely and irregularly porous; vague traces of small micro-fossils and fragments.
2040 - 50'	Chalky, light tan, finely porous and with a very finely granular pseudo-oolitic? structure. More gypsiferous than preceding.
2050 - 60'	Like the preceding. Some free gypsum.
2060 - 70'	No change.
2070 - 80'	Like the above, but generally not porous.
2080 - 2110'	No change.
2110 - 20'	Light grayish-tan, irregularly crypto-crystalline and very finely gypsiferous dolomitic limestone.
2120 - 60'	No change.
2160 - 70'	Like the preceding in character; gray in color.
2170 - 80'	No change.

2180 - 90' Gray crypto-crystalline to irregularly finely granular crypto-crystalline, finely porous gypsiferous limestone.

2190 - 2200' Light grayish-brown dolomite, similar to preceding in character.

2200 - 10' Like the above; some free gypsum.

2210 - 20' No Change

2220 - 30' Very finely granular, irregularly slightly porous, light brown gypsiferous dolomite. Some blebs of gypsum in dolomite and some free gypsum in washed sample.

2230 - 50' No change.

2250 - 60' Top of Lower Lawson Same as above with addition of a few fragments of white dolomitic chalk and some chalky areas in the dolomite, some fragments of dolomitic chalky molds of Orbitoides.

2260 - 70' Sample mainly white chalk; some species of the Micro-crinoid (Saccocoma species) common to Lower Lawson; some Lepidorbitoides and Asterorbis sp.; some Bryozoan fragments; some fragments of chalky finely crystalline dolomite.

2270 - 80' Chalk and dolomite. Chalky fauna as above. A few Robulus species also noted.

2280 - 90' Similar to preceding but few micro-fossils.

2290 - 2300' Mainly light brown succros gypsiferous dolomite.

2300 - 70' Dolomite as above, occasionally gypsiferous.

2370 - 80' As above, but a few Lepidorbitoides in dolomite; some chalky areas.

2390 - 2400' About 50% dolomite and 50% chalk. A few Lepidorbitoides.

2400 - 50' Like the preceding.
Section continues as interbedded chalk and dolomite and rather sparce fauna as above. to 2570'

2570 - 80' Mainly soft white chalk; moderately large anhydrite crystals in chalk. Small Brachiopods fairly common. Some Inoceramus fragments. Some disk-shaped Bryozoa or Algae?

2580 - 2700' Same as preceding; many specimens of Cibicides harperi (large variety) and Echinoid fragments fairly common. Many moderately large anhydrite crystals; increase as go down in section.

2700 - 20' As above.

2720 - 30' Same with a few specimens of Stensioina americana. marked?

2720 - 70' No change.

Taylor

Note. Samples near Lower Lawson - Taylor contact not very good, nor well washed. First ash (?) fragments seen in 2770 - 80' sample. Stensioina americana and Buliminella carseyae found in samples below 2720 - 50'. Material must be Taylor. Would put the exact Taylor point on Schlumberger pick, about 2785' or 2810', where first typical ash fragments came in. Good Stensioina americana at 2810'.

Taylor section only sketchily worked because fairly uniform in character and samples (fuzzy) not well washed. Seems to be mainly white chalk in upper part with many Inoceramus prisms and fragments of chalk with anhydrite crystals (moderately large) and varying amounts of the gray (contact) Taylor ash, caving badly into the samples at irregular intervals.

3100' Apparently chalk and lenses of moderately dark gray, occasionally slightly "specked" marl below 3100', but few forams and no narrowly restricted forams noted. Washed samples moderately small, about 50% white, soft chalk and 50% gray, bentonitic marl. Some Inoceramus fragments and prisms; some anhydrite crystals.

3210 - 20' Grayish tan or tan-gray, finely crystalline, dense dolomite.

3230' Chalk and dolomite as above and some gray marl.

3250' Mainly cavings from the Ocala.

3260 - 70' Light gray chalk with small dolomite crystals, about 50% evenly distributed in chalk.
Same, and cavings and some dark gray sh. to 3300'.

3300' and below. Austin Approx. Top ?

Samples very poorly washed, 50% chalk and 50% dark gray marl, mainly Inoceramus fragments; a few fragments specked marl, 3350'.
many

D. J. Austin.

Perpetual Forest Inc #1
Stanolind-Sun
Section 5-11S-11E
Dixie County, Florida
Elevation: 33' D.F.
Report By: E. R. Applin
Date: August 1947

Report on samples studied from the Stanolind-Sun, Perpetual Forest #1, Dixie County, Florida.

3550-60 8 In Austin near base. Core, Rec. 5'. Top: Hd wh chalk & gy, lt strkd & speckled marl. The gy "speck" marl shows some frags of fish bones. Few forams, Globorotalia, Gumbelina reussi & Globorotalia noted. Age Austin.
Mid: Dk gy, lt "speckled" marly sh, micro-fauna as above. Inocermus frags & prisms faily common.
Bot: Lighter, brnish gy speckled marl. A large frag of Inoceramus on one portion of the core. Fauna as above.

3560-70 9 Rec. 10'. Top: Dk brnish gy "speck" sh & wh chalky ls. No change in micro-fauna.
Mid: Like the preceding. Some fish bone frags in dk, speck portion of the core.
Bot: Wh ls & dk gy "speckled" marl as above.

3570-78 10 Top: Brnish gy highly lt "speckled" marl. Fish scales present & some frags of carb material. Micro-fauna as above.
Mid: Lt brnish gy, somewhat lt "speck" chalky ls & dk brnish gy highl speck marly sh, which shows strks of carb material, Inoceramus frags. (resumbling labiatus) some fish scales.
Bot: Like the middle.

3578-88 11 Rec. 10'. Top: Lt & dk gy, speckled chalk & marl, like the preceding in character.
Mid: No change.
Bot: Like the above. A frag of a large Inoceramus present.

3588-98 12 Rec. 9'. Top: No change.
Mid: Dk gy marl, highly lt strkd & "speck".
Bot: Dk "speck" marl as above, some fish bone frags & some strks of lt gy hd chalk. u. Atkinson, Eagle Ford,

3598-3608 13 Approx. top E.F. Rec. 5'. Thinly lt & dk strkd chalky marl, somewhat very finely sdy. Material contains a large amount of very finely broken, calcitic "fossil?" material.
Mid: Hd lt gy ls (no fos mat noted) & some strks of dk gy or blk "speck" marly sh.
Bot: Hd, lt brnish gy, somewhat lt "spec" ls. Lt spotes apparently crushed, chalky fos mat & some strks of dk finely lt & dk strks shaly ls with a "speck" appearance & showing some small finely sdy areas.

3608-18 14 Rec. 10'. Top: Dk gy irreg speck hd marl.
Mid: Some spec marl & dk & lt strkd very finely sdy ls with irreg strks of very fine grnd gy ss. This material also contains a large amount of very finely broken, calcitic (fossil?) material.
Bot: Similar to the preceding. Planulina eaglefordensis fairly common in the micro fauna.

Perpetual Forest Inc #1
Stanolind-Sun
Section 5-11S-11E
Dixie County, Florida
Elevation: 33' D.F.
Report By: E. R. Applin
Date: August 1947

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Mid: Dk gy, lt "speckled" marly sh, micro-fauna as above. Inocermus frags & prisms faily common.
Bot: Lighter, brnish gy speckled marl. A large frag of Inoceramus on one portion of the core. Fauna as above.

3560-70 9 Rec. 10'. Top: Dk brnish gy "speck" sh & wh chalky ls. No change in micro-fauna.
Mid: Like the preceding. Some fish bone frags in dk, speck portion of the core.
Bot: Wh ls & dk gy "speckled" marl as above.

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Mid: Lt brnish gy, somewhat lt "speck" chalky ls & dk brnish gy highl speck marly sh, which shows strks of carb material, Inoceramus frags. (resumbling labiatus) some fish scales.
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Mid: No change.
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Mid: Hd lt gy ls (no fos mat noted) & some strks of dk gy or blk "speck" marly sh.
Bot: Hd, lt brnish gy, somewhat lt "spec" ls. Lt spotes apparently crushed, chalky fos mat & some strks of dk finely lt & dk strks shaly ls with a "speck" appearance & showing some small finely sdy areas.

3608-18 14 Rec. 10'. Top: Dk gy irreg speck hd marl.
Mid: Some spec marl & dk & lt strkd very finely sdy ls with irreg strks of very fine grnd gy ss. This material also contains a large amount of very finely broken, calcitic (fossil?) material.
Bot: Similar to the preceding. Planulina eaglefordensis fairly common in the micro fauna.

3618-28 15 Rec. 5'. A very highly speck & strkd dk brnish gy sh & lt brnish gy ls which contains a very large amount of finely fragmental, calcitic fos material. Micro-fauna like the preceding.
3628-37 16 Rec. 4'. Brnish gy marly sh with occas speck areas & hd wh ls.
3637-47 17 Top: Rec. 10' hd gy, somewhat finely sdy ls & brnish gy finely sdy & glauc marl. Both material contain much very finely broken, calcitic fos material & some forams. The marl is somewhat lt speckled.
Mid: Like the preceding.
647-52 18 Rec. 5'. Top: A highly argil brnish gy, somewhat glauc cal ss. A few mod coarse grns. Some carb strks. Top glauc ss(?).
Bot 3': Mar~~l~~ slightly coarser grnd less argil.
3652-58 19 Missing. No Recovery
3658-60 20 Rec. 3'. Blk cal untuous, mica sh. A little very fine grnd glauc ss. No fossils noted.
3660-68 21 Ret.4 1/2': Top 2': Thinly flaky dk gy sh as above with thin lenses of very fine grnd, glauc argil ss. No fossils.
Bot: Soft, lt gy, fine grnd argil ss. A little glauc & a small amount of phos material present.
3668-73 22 Rec. 2 1/2'. Similar to preceding slightly coarser grnd only a trace of glauc.
3673-78 23 Rec. 2'. Soft, gy, fine grnd, slightly glauc phos ss.
Another sample, lighter in colore & more glauc.
3678-83 24 Missing. Top of Woodbine L. Atkinson.
3683-88 25 Glauc ss. Rec. 5'. Top: Fine to mod coarse, argil highly glauc sl mica ss (mica is colorless).
Mid: Lt grnish gy, highly glauc mod fine grnd slightly argil ss. A small amount of phos. ~~mat~~ present.
Bot: Like the preceding. A few shell frags also present.
3688-95 26 Rec. 4 1/2'. Top: Thinly laminated dk gy sh, some thin lenses of glauc & mica lt gy siltstone.
Mid: Fine to mod fine grnd highly glauc, soft ss. A few phos. nod. & a trace of mica.
Bot: Lt. grn. argil. soft ss.
3695-3700 27 Rec. 5'. Lt gy, soft glauc slightly mica & phos fine to mod fine grnd ss.
3700-05 28 Top: Rec. 4' like the preceding.
Bot: Gy, mica, argil, very fine grnd silty ss. Slightly glauc & phos.
3705-10 29 Rec. 4'. Top: Dk gy mica & finely carb sh with some thin lenses of silty sh & siltstone.
Bot: THinly laminated lt gy very fine grnd highly mica & finely carb. silty ss & gy, mica & finely carb sh.
3710-20 Cut mainly gy sh as above.
3720-30 Cut like the preceding.
3723-33 30 Rec. 6'. Top: lt gy very fine grnd mica & highly & finely carb. soft argil silty ss.
Top: another sample. Same, slightly glauc.
Mid: Lt gy, carb & mica silty, very fine grnd soft ss.
Mid: another sample. Gray, highly mica & highly & finely carb slightly glauc & finely sdy clay.
Bot: Soft, silt & very fine grnd sd, somewhat mica & carb.
3733-41 31 Rec. 3'. Top: Lt blue-grn, highly pyritic, slightly mica, non-cal shale, irreg silty. Some lenses of very fine grnd soft lt gy mica & finely carb ss.
Bot: Ss like the above.

3741-51 35 Rec. 2 1/2'. Top: Very fine grnd, very highly mica soft, argil ss (muscovite & biolite mica).
Bot: Ss as above & gy highly mica silty clay.

3751-56 33 Rec. 1'. Top: Lt gy, argil, mica, very fine grnd sd or highly sdy clay
Bot: Lt gy, fine grnd, highly mica, argil soft ss. A few strks of hd gy sdy clay.

3756-61 34 Rec. 4'. Top 4"1': Grnish gy unctuous sh with hd dolomitic & finely sdy & pyritic areas.
Sec. 1': Lt grnish gy, unctuous, clay sh, slightly sdy lt grnish gy, cal irreg somewhat silty clay sh.
Third 1': Lt blue grn, slightly sdy clay sh.
Bot: No change.

3761-70 35 Rec. 9'. Top 1': Hd gy, somewhat sdy & carb clay sh with irreg fine sdy anhy strks & areas. Non cal.
Sec.1-2': Lt grnish gy, sdy clay sh. Sd is extremely fine to fine.
Third 2-4': Approx top L. Cret. Wh, argil fine to nod fine grnd mod soft.ss. Many lightly pink tented grns.
Fourth 2': Ss similar to preceding but irreg pinkish brn & deep yellow strkd.
Bot 3': Lt purplish gy, argil fine to mod fine grnd, slightly argil ss with some yellowish brn ferriginous areas.

3770-76 36 Top: Rec. 3 1/2' lt bluish grn sdy clay sh. Sd is poorly sorted fine to mod fine. Another sample of Top: Brick red, highly mica, argil very fine grnd ss.
Bot: Soft, mustard yellow, mica, argil mod fine grnd ss.

3776-86 37 Rec. 5'. Like the bottom of above sample.

3786-94 38 Rec. 8'. Top: Mod fine to nod coarse grnd soft argil, crm colored ss. Many pink & yellow tinted grns.
Mid: Soft, pinkish tan, mica, mod fine grnd, somewhat argil ss.
Bot: No change.

3794-3804 39 Rec. 7'. Top: Similar to above, but averaging coarser grnd. Some grns of feldspar noted.
Mid: Similar to preceding, less mica.
Bot: Argil, fine to coarse grnd, soft, lt pinkish tan ss. Many pink tinted grns.

3804-14 40 Rec. 3'. Top: Wh, argil (ashy) ss similar to preceding in char.
Bot: No change.

3814-24 41 Rec. 8'. Top: Like the preceding. Slightly mica.
Mid: Lt pinkish tan, somewhat mica soft argil, fine grnd ss. Sd same in gen character to preceding.
Bot: Fine to coarse sd, slightly mica.

3820-30 Cut. Sample largely gy sh, appar. caving & about 25% fine to coarse sd. Like the preceding in char. Sd apparently being drld.

3830-40 Fine to very coarse sd, similar to preceding in gen character, about 25% of sample cavings of gy sh lt grn sh & someother materials from higher depths.

3840-50 Materials as above, also many frags of mottled, deep yellow-purplish red & lt blue gy sh (occas sdy) & frags of a fine, angular grnd, slightly wh mica ss.

3850-60 Materials as above & many frags of a brick red clay sh. (last red?)
3860-70 Sample mainly fine to coarse sd & frags of mottled lt rasberry, deep yellow & blue gy sh. A few of the sh frags sdy.
3870-80 No change.
3880-90 Sd & mottled sh as above, also many frags of fine grnd reddish ss with some yellow mottling & nodular cal & dolomitic areas.
890-3900 Frags of red & some yellow, mod hd very fine grnd ss with occas small ls areas strongly dominate in sample.
3900-10 Small sample suggesting sh break. Sample contains many frags of brick red clay sh. About 50% cavings of sd & various type of sh from higher depths.
3915-16 Bit sample. Brick red clay sh.
2910-20 Mainly purplish red & yellow mottled hd clay sh. About 50% caving.
3920-30 Like the preceding.
3930-40 Cut composed mainly of frags of red & wh mottled in part somewhat sdy dolomitic impure ls.
3940-50 Like the preceding.
3950-60 Sample composed mainly of mod hd brick red sl sdy clay sh.
3960-70 Red clay as above, also many frags of nod fine grnd, lt red, somewhat yellow mottled nod hd ss.
3970-80 Ss as above, strongly predominated, ss is micaceous & also shows a trace of glauc. A few ls areas in ss.
3980-90 Sample mainly fine to mod coarse sd, some ss frags as above. red sh frags & cavings of various materials from higher depths.
3990-4000 Fine to coarse sd abundant. Frags of the red mica ss, nodules of red & some of wh ls, some frags of red clay & obvious cavings from much higher depths. Sd probably being dulled.
4000-10 Fine to mod fine sd & some frags of other materials as above.
4010-20 Sd as above, also many frags of brick red, & some of red, gy & yellow mottled clay sh, some frags of red & wh nod ls & obvious cavings.
4020-30 Frags of mod hd dk brick red, deep yellow & some dk brn clay sh very abundant at this depth.
4030-40 Cut mainly frags of dull brn, & red & gy mottled sticky sh very abund.
4040-50 Like the preceding.
4050-60 Cut of dull brick red very finely mica hd clay sh & cavings.
4053-61 43 ✓ Rec. 6'. Top: Dk brick red clay with mottling of lt grnish gy, sdy clay. The red clay also varied rapidly from a pure clay to an argil fine grnd red ss.
Mid: Soft brik red, somewhat mica & argil fine to mod fine grnd ss.
Bot: Ss as above, lighter in color.
4061-69 43 Rec. 7'. Top: Lt red soft ss as above with irreg strks of lt blue grn, silty clay grns of feldspar common.
Mid: Soft light tan argil, slightly mica ss. Sd grns generally mod fin in size. Grns of feldspar fairly common.
Bot: Lt red soft ss similar to above, slightly coarser grnd. Feldspar grns common.
4068-78 44 Rec. 4'. Top: Soft ss like the above.
Bot: Deep yellow mod fine to mod coarse, slightly mica sd & one frag of the same, but much harder ss.
4080-90 Cut. Sd & some frags of ss as above & cavings.
4090-4100 Fine to coarse sd, frags of reddish yellowish hd mod fine to nod coars grnd ss slightly mica. This ss is somewhat cal & had some small ls areas.

4385-90 SK L. Break(?). Rec. 2'. Top: Brnish red, somewhat finely sd clay with lenses & inclusions of lt blue grn, argil, extremely fine grnd ss & lt blue gy waxy, slightly sdy sh.
Bot: Lt blue to grnish waxy sh, irreg finely sdy. This material mottl with brnish & yellowish red. Some hd dolomitic areas in this material
4390-4400 Fine to very coarse sd. Many small pebble sized grns present.
4400-10 Like the preceding.
4410-20 Sd as above, also numerous frags of a lt red, somewhat wh & yellow strkd mod hd ss, which varies from very fine to mod fine grnd is mica & appar contains many hd, dense, dolomitic sdy ls areas.
4420-30 Sample composed mainly of sd. Fine to mod coarse grnd. Pink & yellow grns common as above. A few frags of dol ls (prob caving) from the ss above & a few frags of hd red & yellow mottled clay,
4430-40 Sd as above & a few frags of fine grnd lt red & wh mottled ss showing a trace of glauc.
4440-50 Like the preceding.
4450-60 Sd as above & frags of wh, pink & yellow sdy ls, appar. [illegible] cal & dol areas in a generally softer ss.
4460-70 Like the preceding.
4470-80 Sample almost entirely fine to mod fine sd (pink, wh & yel tinted grn
A few frags of the sdy ls as above.
4480-90 Sd as above.
4490-4500 Sd " " & many small frags of red, yel mottled finely sdy clay s
4500-10 Similar to the above, but few sh frags.
4510-20 Fine to mod fine sd (like the above in char.). A few frags of red ver finely sd sh & a few red & wh ls frags (these prob caving).
4520-30 Sd as above & some frags of red, wh & yel hd ss, a few frags of sdy dol ls in same colores.
4530-40 Mainly fine to mod fine sd as above.
4540-50 Sd as above & many frags of red, wh & yel ss & sdy dol ls. Some hd red sdy clay sh. The sd in the ss frags & in the ls is variable in size & quan. in various frags.
4550-60 Cut of fine to mod fine sd like the preceding in char. Some frags of dk red clay sh & a few of red & yel mottled sh some frags of wh & red ss & sdy dol ls (prob nodular or cal concentrations in softer ss). The sh & the ls frags may be cavings. Some obvious cavings also present.
4560-70 Sd as above & many frags of mod hd bright red, somehat finely sdy cle sh. Some ls & ss frags as above.
4570-80 Fine to coarse sd, also many frags of mod hd wh, mod fine grnd ss.
4580-90 Like the preceding but ss showing some red & yel mottling & some finely dol areas.
4590-4600 No change.
4600-10 Sd as above & numerous frags of wh pink & yellow ss & somewhat sdy do ls, some frags of mottled red & yel clay.
4610-20 No change &(4620-30)(4630-40).
4635-44 SK Rec. 5 1/2'. Top 2': Purplish red, somewhat yel & gy mottled very highly & mod finely sdy sh & lt red, argil fine grnd ss.
Top 3" of Mid 2': Pink & yellow mottled irreg mod finely sd, hd ss & dol ls. A trace of gyp.
Mid 2': Lt red, argil fine grnd ss & red wh & yel strkd argil mod fi grnd ss. Dense, hard wh pink & yel mottled ss showing dol ls area
Bot 1 1/2': Fine grnd lt red, argil soft ss.
4645-50 SK Some fine sd & many frags of hd wh pink & some yel mottled ss & sd & dol ls.

4644-45 56 Rec. 1' soft lt red, fine grn argil, ss.
4645-49 57 Rec. 2-10" lime, 4" Sd, 10" lime". Hd wh sd dol ls, lt red argil fine grnd ss.
4650-60 Sample composed almost entirely of frags of hd wh (pink & yel mottled) finely & irreg sdy dol ls.
4660-70 No change & (4670-80'),
4680-90 Fine to mod coarse sd & about 25% frags of sdy ls as above.
3690-4700 No change. CM# 59-A715-25 No Recov.
4699-4704 58 Rec. 2' red & lt grn mottled mod soft, argil mod, fine grnd ss. Part of core hd sdy ls (sd about 20%) mottled in colors of soft ss.
4700-20 Fine to coarse sd as above & some frags of multicolored sdy ls.
4720-30 Mod fine to coarse sd. Many yel tinted grns.
4730-40 No change.
4740-50 Sd as above, & a number of frags of wh, pink & yel sdy ls.
4750-60 Almost entirely mod fine to mod coarse sd.
4760-70 Sd & about 20% sdy ls frags as above.
4770-80 No change.
4780-90 Similar to above, less ls frags.
4790-4800 Fine to mod fine, like all sd above, but with fewer colored grns.
4801-06 60 Rec 1/2' lt gy, very fine grnd argil ss.
4806-11 61 Rec 1' lt blue gy yel mottled very fine grnd argil ss. Mod hd.
4816-21 63 Rec. 3'. Top: Dk gy highly argil, carb fine to very fine grnd mod sof
11-16 62 ss. Many frags of carb mat present.
No Rec. Bot: Gy highly argil, pyritic & carb ss or highly sdy mod hd clay ls, fine to very fine & gy grn sdy sh.
4821-26 64 Rec. 4'. Top: Dk red, somewhat yellowish mottled, finely mica clay sh & mod hd, lt blue grn argil siltstone.
Bot: Brnish & yellowish red, argil very fine grnd ss.
4820-30 Fine to coarse sd. A few frags of the mats described in preceding cor
4830-40 Like the preceding. Some cavings.
4840-50 No change & (4850-60')(4860-70')(4870-80')(4880-90').
4890-4900 Sd fine to coarse (many coarse grns), some cavings of multicolored sd lime, red & grn sh etc as above.
4900-10 No change & (4910-20').
4920-30 Sd & some cavings as above, also a number of frags of a mod fine grnd mod hd yel ss which shows some hd cal strks.
4930-40 As above, fewer frags of the yel ss, more cavings.
4940-50 Like the preceding.
4950-60 Mainly fine to coarse sd. Some frags of wh pink & yel sdy lime & a fe frags of multicolored finely sdy clay sh (both material prob caving), some obvious cavings.
4960-70 No change & (4970-80').
4980-90 Sd as above & abundant frags of a very hd yel, pink & wh mottled hd, dse, dol sdy ls & quartzitic ss, some frags of multicolored clay sh.
4990-5000 Similar to the above, less ls & ss frags.
5000-10 No change & (5010-20')(5020-30') & (5030-40')(5040-50')(5050-60') (5060-70')(5070-80').
5080-90 Fine to coarse wh sd & many frags of wh hd cal ss & sdy dol ls showin some pink & yel mottling (these may be caving). A few frags of multi-colored sh.
5090-5100 No change.
5100-05 65 Rec. 1'. Wh & tan soft, argil mod fine to mod coarse grnd ss.

5105-15 66 Rec. 5'. Top: Ss as above.
Bot: Soft, wh argil ss strked & mottled with mustard yel, sdy waxy clay sh, sd grns fine to mod fine.
5110-20 Fine to mod coarse sd, mainly clear qtz (some pink & yel grns). A few sdy ls frags (prob caving) & a few frags of multicolored sh.
5120-30 Like the preceding.
5130-40 No change & (5140-50')(5150-60')(5160-70')(5170-80').
5174-79 67 Rec. 5'. Top: Lt grnish blue & lt yel brn & purplish red mottled fine to mod fine argil clear qtz ss mod soft.
Bot: No change.
5180-90 Wh sd as above.
5190-5200 No change (5200-10')
5210-20 Sd as above. A few frags of phosphatic bone material, apparently coming from near this depth in the hole.
5220-30 Fine to mod coarse grnd wh quartz sd most of the grns fine in size.
5230-40 Sd as above, also fairly numerous frags of lt red, wh, yel & lt grnish blue mottled dol sdy ls & some cal ss.
5231-35 68 Rec. 3 1/2'. Top: Lt grnish blue & brnish & purplish red & yel mottled fine to mod fine grnd mod soft ss with some hd, dol ls areas.
Mid: Lt grn fine grnd argil soft ss.
Bot: Lt grn & reddish brn mottled argil ss.
5240-50 Cut of fine to coarse sd & many frags of lt red, wh & yel mottled, sdy dol impure ls, some frags of dense, quartzite like ss.
5250-60 Like the preceding.
5260-70 Sd as above (mainly fine grnd) some ls & ss frags, some frags of wh & red quartzite (?). Paleo top.
5270-80 Fine to coarse sd & many frags of sd ls as above, also some frags of lt grn, mica, fine grnd argil ss & a few frags of dk brnish red stained quartzite?
5290-5300 Cuttings composed mainly of frags of lt grnish gy, highly mica somewhat argil ss. Some purplish red mottling in ss. A few frags of grayish purple, highly mica sh (brn mica).
5300-10 Loose sd & mica grnish gray ss as above.
5310-20 No change.
5320-30 Lt blue grn mica ss & some frags of the highly mica, grayish purple sh, about 25% loose sd (prob in main caving).
5330-40 As above with many cavings also present.
5340-50 As above.
5347-50 69 Rec. 3'. Top: Lt blue grn highly mica, hd, fine grnd ss, with thin layers of almost pure mica. Mica is light copperish brn in color.
Bot: Similar to above. Some areas in ss so consolidated as to be practically a quartzite.

OK