

Part of this log done by R. W. Touring, John Sprague, J. W. Doyle and balance by Les Child. All under supervision of Les Child who assumes responsibility for the following report:— Dated Dec. 17, 1954.

Location:
592' N & 47 1/2' E of southwest corner of Section 5, Township 27 South, Range 6 West of Willamette Meridian, in Douglas County, Oregon. Elevation: 482' ground.

0-20' Umpqua River terrace gravels.

20 to 592: Dark gray, hard shale, poorly bedded, pyrite, carbonaceous with scattered rounded pebbles of very hard calcareous sandstone up to 1/2" in diameter. Contains foraminifera; scattered thin interbeds of hard fine sandstone.

Core #1.

592 to 612: Recovered 18 feet. During the coring at about 600' there was a small show of oil in the tank but it was disregarded believing that it was derived from the operations. There was no show in the core. 9' shale, dark gray, poorly bedded, pyrite, carbonaceous with scattered rounded pebbles of very hard, calcareous sandstone up to 1/2" in diameter.
8' shale, as above, with pebbles beds from 1 1/2" to 6" thick in a shale matrix, dip 19 deg. but only shown in one place in the core and therefore questionable. Maximum diameter 1 1/2".
1' pebbly shale with pebbles of sandstone and green, apparently slightly altered igneous rocks, up to 2", in a matrix of dark gray shale.

612 to 829' Conglomerate, cuttings showing pebbles of green, altered igneous rocks, fine to medium grained very hard cemented sandstone, veined chert, quartz, all very silty and suggesting that it is partly cemented with pyrite. Apparently some thin interbeds up to 5 feet of silty shale, dark gray. SLIGHT SHOWS ON THE DITCH

Core #2.

829 to 878' Recovered 47'. SLIGHT SHOWS

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9' Thinly laminated, dark gray silt and very fine grained lighter gray sandstone. Silt laminae are very carbonaceous and sandstone laminae show graded bedding features, locally fractured, dip 15 deg. (questionable); NO ODOR, GROUND UP SAMPLE CUT WITH CCL showed pale fluorescence.
9' Conglomerate, indurated, with pebbles of green altered igneous material, laminated siltstone, and basal up to 3" in diameter, in a matrix of coarse calcareous sandstone and sandy shale. NO SHOWS.
1 1/2' laminated shale and siltstone with some fracturing.
1 1/2' Conglomerate, as above, with a calcareous sandy matrix: NO SHOW.
1 1/2' Dark gray bedded siltstone.
1 1/2' Conglomerate as above.
1 1/2' Thinly laminated siltstone and shale, showing faint graded bedding with vertical fracturing which has not been recemented but does show faint slickensided, dip 18 deg. and questionable. There appears to be no true bed plane which can be relied upon.

Core No. 3.

878 to 924'. Recovered 12'. SLIGHT SHOW.
12' dark gray siltstone, massive, hard, locally very fractured but not shattered, loose pebbles of dark gray, very hard sandstone up to about 3" in diameter in top of barrel. NO ODOR. GROUND UP SAMPLE CUT OF WITH CCL¹⁴ SHOWED VERY PALE FLUORESCENCE.

Core No. 4.

924 to 965'. Recovered 6'. Slight Show.
6' Sandstone, fine grained, massive, medium gray, hard, fractured with common clay material in matrix. FAINT FLUORESCENCE IN CCL¹⁴ CUT.

Core No. 5.

965 to 1004'. Recovered 21'. NO SHOWS.
3' sandstone, fine to medium grained, medium gray, very hard, argillaceous, very fractured but not shattered, slightly calcareous.
5' sandstone, mostly medium to coarse grained, medium gray, very argillaceous, very fractured and somewhat slickensided, slightly calcareous.
10' siltstone, medium gray with dark gray, silty laminations, very fractured and somewhat slickensided.
3' Silty shale, slickensided and slickensided.

Core No. 6.

1004 to 1033'. Recovered 10'. NO SHOW.
10' Interbedded sandstone and shale, partly very slickensided and shattered, core is fairly well broken up.

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shale is dark gray to black, hard, thinly laminated with silt or very fine grained sandstone. Sandstone is very coarse to conglomeratic, green gray in color, massive to poorly interbedded with silty streaks and apparently dipping 50 to 70 degrees but there is no dependable bed plane. Pebbles include shale, green stone, chert, quartz and sandstone.

Core No. 7.

1035 to 1081'. Recovered 13 feet.
WHEN CORE WAS REMOVED FROM BARREL BUBBLES WERE SEEN COMING THROUGH THE MUD SHEATH AROUND THE SANDSTONE, OIL RAINBOW SPREAD SLOWLY FROM THESE SCATTERED SPOTS FROM WHICH THE GAS ISSUED.
9' Sandstone, very fine to coarse grained, dark gray, very argillaceous, massive, common fractures rescaled with clay. Largely composed of rock fragments, quartz, chert, and greenstone, very slightly calcareous.
4' Black shale, shattered and slickensided.

Core No. 8.

1081 to 1124'. Recovered 14 feet.
SCATTERED BUBBLES COMING THROUGH THE MUD SHEATH AS BEFORE.
2' Shale dark gray to black, fractured and slickensided, in vertical fault contact with dark gray siltstone.
1 1/2' Siltstone, dark gray with sealed fractures and in fault contact with the below.
10 1/2' Sandstone, fine to medium grained, dark gray, very argillaceous, hard.

Core No. 9.

1124 to 1174'. Recovered 23 feet.
BUBBLES AS BEFORE.
23' Sandstone, fine to medium grained, dark gray, very hard with much argillaceous material and abundant sealed fractures, locally a suggestion of steep bed plane but the fractures make bedding questionable.

Core No. 10.

1174 to 1262'. Recovered 24 feet.
BUBBLES AS BEFORE.
24' Sandstone very similar to above but generally finer and better sorted near the top and becoming coarser and more poorly sorted near the base where the core is conglomeratic with chert and rock fragments present as pebbles. The core is considerably fractured.

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Core No. 11.

1262 to 1308'. Recovered 15 feet.

BUBBLES AS BEFORE

15' Sandstone ranging from very fine to coarse grained, medium gray, argillaceous, with common sealed fractures.

Nov. 7, 1954.

MADE DRILL STEM TEST AT THIS POINT (later corrected)
1308 to 1327' (drill cuttings) OIL SHOWS IN CUTTINGS probably interbedded siltstone and sandstone (E-log).

Core No. 12.

1327 to 1345'. Recovered 7 feet.
MINOR FLUORESCENCE WITH BUBBLES AS BEFORE
7' Sandstone very fine grained, medium gray, very hard with common rescaled fractures.

Core No. 13.

RAINBOWS AROUND BUBBLES ON MUD SHEATH.
1345 to 1391'. Recovered 7 feet.
2' Sandstone medium to coarse grained, argillaceous, hard.
5' Sandstone, very fine grained, silty, argillaceous, fractured and slickensided with the more shaly portions shattered.

Core No. 14.

FAINT FLUORESCENCE ON CC 14 CUT
1391 to 1410'. Recovered 12 feet.
12' Siltstone, hard, dark gray, massive, fractured but not shattered.

1420 Drill cuttings. Faint fluorescence with CC14 Cut.
1430 Black fined grained siltstone, some peridotite.
1440 Same as above. No change.
1450 Fine grained siltstone with increased amount of coarse quartz and feldspar grains. VERY GOOD SHOW WHEN CUT WITH CC 14.

MADE DRILL STEM TEST.

1253 to 1441 Interval. JOHNSON FORMATION TEST used.
Set dual packers at 1247' 2" pressure bombs. Opened valve 10:50 A.M., light blow decreasing to dead 1 1/2 minutes. Equalized twice with same result. 1/2 hour test recovered 54 feet of oily, gassy drilling fluid. Pressure chart indicated the tool on last try did not plug. Test was made after E log taken indicated test should be made.

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1450' FAINT FLUORESCENCE WHEN CUT WITH CC14.
Fine grained siltstone with some coarse quartz and feldspar.
1460 same as before.
1470 same as before. GOOD SHOW IN FLUORESCENCE.
1480 Fine grained siltstone and has unusual amount of quartz, and feldspar in coarse grains. VERY GOOD FLUORESCENCE, WHEN CUT WITH CC14.
1490 same as above. Much quartz and feldspar.
1500 VERY GOOD FLUORESCENCE WHEN CUT WITH CC14.
Coarse grained siltstone to fine grained sandstone.
Larger fractured pieces, sandstone consists largely of quartz, feldspar and green stone with some peridotite.
VERY GOOD FLUOR. WHEN CUT WITH CC14.
Same contents as above only more calcite showing.
Same as above.

1520 FAINT FLUORESCENCE WHEN CUT WITH CC14.
1530 Coarse grained to fine grained sandstone, siltstone, Much quartz and feldspar. Hard and tight.
1540 Same as above with less fluorescence.
1550 Same as above.
1560 Same as above with calcite seams apparently.
1570 Good fluorescence when cut with CC14.
1580 Fine grained siltstone to fine grained sandstone and resets readily to CC14.
1590 Good fluorescence. Coating of calcite apparent.
1600 Same as above.
1610 Coarser than above with some limy shale.
1620 Same as above with more lime and quartz.

1630 Sandstone, FINE FLUORESCENCE WHEN CUT WITH CC14.
FAINT FLUORESCENCE WHEN CUT WITH CC14.
1640 Sandstone, very fine grained dark gray and some micro micaceous siltstone, slightly calcareous. FLUORESCES SAME LIGHT YELLOWISH GREEN.
60% sandstone and 40% siltstone as above. No calcium carbonate.
1650 Scattered chips of greenstone. SAME FLUORESCENCE.
1660 50% sandstone and 50% siltstone. Micro micaceous, some oil staining in siltstone, very little calcium carbonate, tar on one piece. Scattered chips of greenstone. Faint fluorescence with CC14 cut.
1670 Predominantly siltstone, micro micaceous, few chips contain tar. Some green lime silty sandstone. Common greenstone. Few biotite mica chips. Little CaCos.
Very faint yellowish green fluorescence.

1680 Siltstone micro micaceous. Some very fine silty sandstone. Common greenstone. Very little lime. Very faint yellowish green fluorescence. No CC14 cut.
1690' Siltstone, micro micaceous. Some very fine silty

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sandstone. Common greenstone chips. No tar. No cut. No fluorescence.
1700' Same as above.
1710' Same as above except free oil on cuttings and saturated fine sandstone. Black CC14 cut.
1720" Same as above with scattered greenstone and with free oil on chips and faint yellowish green fluorescence.
1730' Fine sandstone, scattered greenstone quite limy when washed and carbon, better faint fluorescence. When slightly cooked and carbon tet. added then better fluorescence in yellow green.
1740" Siltstone, micro micaceous. Very fine sandstone. Common greenstone, rare metagabbro. Faint yellowish green fluor.1750' Siltstone, slightly micro micaceous and very fine grained silty sandstone. No CaCo. Common greenstone. No CC1 cut.

1760' Siltstone and sandstone as above. Very faint greenish fluorescence.
1770' Same as above.
1780' Same as above.
1790' Same as above.
1800' Same as above.
1810' Same as above.
1820' Same as above.
1830' Same as above.
1840' Siltstone and sandstone as above with common greenstone. No CC14 cut and no fluorescence.

1850' Siltstone and sandstone as above. Common greenstone.
1860' Siltstone and sandstone as above. Green fluorescence.
1870' No. CC14. Very faint yellowish green fluorescence.
1880' 50% siltstone, dark gray, and 50% sandstone, dark gray very fine silty, rare greenstone. No CC14 cut. No fluorescence. Rare limey shale chips.
1890' Siltstone dark gray to black, and dark gray very fine silty sandstone. Rare greenstone. Rare limey siltstone. No CC1 cut. No fluorescence.

1900' Predominantly siltstone, dark gray, micro micaceous and some very fine silty sandstone. Rare greenstone. No CC1 cut. No fluorescence.
1910' Siltstone as above and dark gray fine to medium sandstone. No CC1 cut. Faint yellowish green fluor.
1920' Siltstone black to dark gray, hard and shiny. Light greenish gray to dark gray fine to medium sandstone, rare greenstone. Rare limey siltstone. No CC1 cut. No fluor.

1930' Same as above.
1940' Same as above.

Core No. 14A

1944 to 1962'. Recovered 2 1/2 feet.
2 1/2' Sandstone, dark gray, fine to coarse, hard, silty, well cemented, fractured recemented.

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1970' Siltstone and sandstone. Rare greenstone. No CC1 cut.
1980' Siltstone dark gray to black, hard shiny sandstone, dark gray fine to medium grained, rare greenstone. No CC14 cut. No fluorescence.
1990' Same as above except less sand.
2000' Black, hard shiny siltstone and some medium grained dark gray sandstone and considerable light brown limy siltstone. Rare greenstone. Rare large quartz that has been fractured and recemented. No CC14 cut. No flu.

Core No. 15.

2207 to 2231' Recovery 24 feet.
1/2 Sandstone light gray to greenish gray, fine silty hard, well cemented. Interbeds of pods and lens of black shiny siltstone. Sandstone fractured and recemented with black material. No. CC14 Cut. Dip 27-32 deg. not dependable or acceptable.
1 1/2' Conglomerate. Composed of angular fragments of igneous rock in a matrix of fine grained, dark green, altered igneous matrix.
1 1/2' Pillow basalt, dark green with shades of lighter green and black.
Contains pyrite, highly altered fractured and fractures recemented with quartz, calcite and other minerals, angular, algaloidal, zeolitic.
("Child" This is highly chlorinated, greenish, crumbly sandy appearing, indicating a thin fingerlike flow)

Core No. 16.

2230 to 2308'. Recovered 45 feet.
Same as above.

Core No. 17.

No recovery.

Core No. 18.

2309 to 2339'. Recovered 30 feet.
Same as above.

Core No. 19.

2339 to 2355'. Recovered 16 feet.
Amygdaloidal pillow basalt, dark green scattered with irregular black areas. Irregular fractures recemented with quartz. Highly fractured. Longest piece was 6 inches with average 1/2" to 2" angular pieces. (Cores No. 15, 17 and 18 had to be broken to be placed in trays).
Drill Cuttings.

2350' Basalt and rare pieces of shale. No CC1 cut. No fluor.
2370' Same as above. PALE YELLOWISH GREEN FLUORESCENCE.
2380' Same as above. No cut and no fluorescence.
2390' Same as above. No cut and no fluor. Brown calcite.

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2400' Basalt and rare pieces of shale. Rare greenish green fine sandstone ("Child" part of basalt finger flow as noted above). No CC14 cut. No fluorescence.
2410' Same as above with PALE YELLOWISH GREEN FLUORESCENCE.
2420' Same as above and no fluorescence.
2430' Same as above with pale yellowish green fluorescence.
2440' Basalt dark green to black, thin veins of quartz, some light gray calcareous particles in silty residue.

2450' Same as above. No cut No fluor.
2460' Same as above. No cut No fluor.
2470' Same as above. No cut. Very faint fluor.
2480' Same as above. No cut. No fluor.
2490' Same as above. No cut. No fluor.
2500' Same as above. No cut. No fluor.
2510' Same as above. No cut. No fluor.
2520' Same as above. No cut. No fluor.
2530' Same as above. No cut. No fluor.
2540' Same as above. No cut. No fluor.
2550' Same as above. No cut. No fluor.
2560' Same as above. No cut. No fluor.

Core No. 20.

2573' to 2590' Recovered 14 feet.
Basalt. Dark green, hard, high fractured, with quartz and calcite recementing fractures, zeolites.

Drill Cuttings.

2600' Same as above. No CCl cut. Pale yellowish fluor.
2610' Same as above. No CCl cut. No fluor.
2620' Same as above. No CCl cut. No fluor.
2630' Same as above. No CCl cut. No fluor. But contains brown calcareous material and rare rounded quartz pebbles.

2640' Same as above.
2650' Same as above.
2660' Same as above.
2670' Same as above.
2680' Same as above.
2690' Same as above. No CCl cut. Pale yellowish green fluorescence.
2700' Same as above.
2710' Same as above.
2720' Same as above. Bright yellow green fluorescence.
2730' Same as above.
2740' Same as above.
2750' Same as above. No cut and no fluorescence.
2760' Siltstone black, rare sandstone, rare basalt. No cut but very pale yellow green fluorescence.

2770' Siltstone black. Very common light gray calcareous siltstone; rare gray fine silty sandstone, rare basalt. No cut and no fluorescence.
2780' Same as above. No cut and no fluorescence.
2790' Same as above.
2800' Sandstone, green gray. Fine siltstone black, rare light green, calcareous, common quartz. Faint CCl cut. Bright yellow green fluorescence.

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2810' Siltstone, black; common green-gray, medium, silty, sandstone; rare light gray calcareous siltstone; common irregular grains of quartz. GOOD AMBER CCl¹⁴ cut. BRIGHT YELLOW GREEN FLUORESCENCE.

Core No. 21.

2822 to 2836'. Recovered 14 feet.
14' Conglomerate. Variegated green black, very hard, well cemented with black and light green siltstone. Well rounded igneous, quartz and greenstone pebbles up to 1 1/4". Common irregular fractured and fractures recemented with quartz, calcite and other minerals, angular, algaloidal, zeolitic. Scattered small red pebbles.
No CCl cut but Pale Yellowish Green Fluorescence.

Core No. 22.

2836 to 2839'. Recovered 1 foot.
1' Conglomerate as above.

Core No. 23.

2839 to 2847'. Recovered 8 feet.
8' Conglomerate gray green black, very hard, well cemented with black and light green siltstone. Well rounded igneous, quartz and greenstone pebbles up to 1 1/4". Common irregular fractured and fractures recemented with quartz, calcite and other minerals, angular, algaloidal, zeolitic. Scattered small red pebbles.
No CCl cut but Pale Yellowish Green Fluorescence.

2850' Siltstone, black; fine to coarse grained green sandstone; common dark green basalt; rare quartz fragments; rare brown and red calcareous material.
No CCl cut. Very faint fluorescence.
2860' Same as above. No fluorescence.
2870' Sandstone, siltstone, basalt and quartz fragments.
Rare calcite. No cut and no fluorescence.
2880' Siltstone, sandstone, basalt, quartz fragments, calcite, small rounded pebble. Very faint fluorescence.
2890' Same as above.
2900' Missed.
2910' Same as above 2870 except no fluorescence.
2920' Same as above.
2930' Same as above.
2940' Same as above.
2950' Siltstone, sandstone, greenstone, quartz fragments. Common well rounded pebbles. No cut no fluorescence.

2960' Same as above.
2970' Siltstone black; sandstone green gray fine to medium and silty; siltstone green gray; quartz and calcite veins in siltstone and sandstone up to 1/4"; common brown calcareous material. No cut and no fluorescence.

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2980' Same as above.
2990' Siltstone, sandstone, basalt, quartz and calcite as above with common well rounded pebbles. No CCl cut and no fluorescence.
3000' Siltstone, black, gray, light green and gray green; sandstone green fine and silty; basalt, green stone, quartz and calcite veins in siltstone and sandstone; common calcareous siltstone; common well rounded pebbles. No cut and no fluorescence.

3010' Same as above.
3020' Same as above.
3030' Same as above.
3040' Siltstone, black; sandstone, green gray fine and silty. Igneous, including basalt and ultra basic; quartz and calcite veins in sandstone and siltstone; very common well rounded grains. Common light brown fragments. No CCl cut and no fluorescence.

3050' Same as above.
3060' Same as above.
3070' Same as above.
3080' Same as above.
3090' Same as above.
3100' Same as above.
3110' Black siltstone; common green gray fine silty sandstone; rare basalt and green stone. FREE OIL ON CHIPS. FAINT CCl CUT. Bright yellow green FLUORESCENCE.
3120' Siltstone black and gray; common sandstone green gray fine and silty; common quartz and calcite fragments; rare basalt and greenstone. No cut and no fluorescence.

3130' Same as above.
3140' Same as above.
3150' Same as above.
3160' Siltstone black and black; common sandstone very fine, green gray and silty; rare greenstone; common quartz fragments. No CCl cut and no fluorescence.

3180' Same as above.
3190' Siltstone gray; sandstone gray; very fine and silty; greenstone with quartz and calcite; common gray limestone rare well rounded pebbles. No CCl cut. No fluorescence.
3200' Missed.
3210' Same as above.
3220' Same as above.
3230' Same as above.
3240' Siltstone gray; sandstone gray, very fine and silty; greenstone with quartz and calcite; common gray limestone rare well rounded pebbles. No CCl cut. No fluorescence.

3250' Same as above.
3260' Same as above.
3270' Same as above.

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3280' Siltstone gray, black; sandstone fine grained, common quartz, calcite, greenstone, brown gray limy particles. VERY FAINT FLUORESCENCE WHEN CUT WITH CCl.
3290' Fine grained sandstone, tightly cemented but not so argillaceous. Some dark shale. NO CCl CUT. BUT VERY FAINT FLUORESCENCE.
3300' Same as above with fair fluorescence.
3310' Siltstone gray and black with more common quartz than last 40 feet above. Greenstone. Slightly limy. Fair fluorescence.
3320' Fine grained sandstone, gray green. Siltstone gray. Quartz, greenstone, fluoronite; All highly cemented and argillaceous. Also a little dark shale.
3330' Sandstone, fine gray, black, light argillaceous. Greenstone, common quartz, calcite brown and gray. Shows more lime. No CCl cut. No fluorescence.
3340' Same as above, highly cemented, gray black. Greenstone, quartz, brown calcite, glauconite, and a little shale. CCl cut MAKES FAINT FLUORESCENCE.
3350' Conglomerate, sandy, angular, contains large pieces black material slickensided like serpentine, quartz, feldspar, greenstone, small pebbles, calcareous. CCl CUT SHOWS FAINT FLUORESCENCE.
3360' Same as above.
3370' Same as above except does not appear to have so much cementation and is more limy. CCl CUT SHOWS GOOD FLUORESCENCE IN GREENISH YELLOW. COARSE GRAINED SANDSTONE, and siltstone. Not much quartz (less than above) black and gray particles, greenstone, slightly limy.
3380' CCl CUT SHOWS FAINT FLUORESCENCE.
3390' Same as above.
3400' Siltstone & fine grained sandstone with small amount common quartz, gray green particles greenstone, black particles slickensided like serpentine, limy. FAINT FLUORESCENCE WITH CCl CUT.

Core No. 24.

3402 to 3418'. Recovered 15 feet.
Conglomerate. No positive bed plane. Large angular fragments of serpentine, quartz, greenstone, and some core of black breccia. Greenstone, glauconite, feldspar. Often large well rounded pebbles and many small ones. A few heavy mud seams. Calcareous throughout and fluoresces golden yellow (calcite) in many spots and in other places pale green and greenish yellow, also bright blue (Scheelite?) spots, and dark golden brown fluorescence. This conglomerate is darker than any above crumbles and breaks much easier, contains pyrite and seems to break up much easier than those above. The angular fragments in some cases quite soft and could not have traveled very far. It is not nearly as tightly

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cemented as the material above when cored and just as argillaceous. The entire mass seems to have been slightly altered. No CCl cut. NO FLUORESCENCE.

3420' Same as above except more limy and when cut with CCl gives faint fluorescence. When cooked slightly fluoresces greater.
3430' Siltstone and gray greenish sandstone tightly cemented with particles of shale (dark chocolate) common quartz, greenstone, brown and white calcite. More limy. NO CCl CUT. NO FLUORESCENCE.
3440' Grayish green tightly cemented sandstone with greenstone and black slickensided particles like serpentine. Quartz fragments. Very limy and not so much quartz as above. VERY GOOD FLUORESCENCE WITH CCl CUT.
3450' Black and gray highly cemented coarse grained sandstone, much common quartz mixed with greenstone and peridotite. Limy. FAIR FLUORESCENCE WITH CCl CUT. Same identical cuttings washed again and when soaked with CCl cut gave good fluorescence.

3460' Siltstone black, gray highly cemented argillaceous conglomerate. Gave it a good wash in water to clean off all fluid and it still showed good fluorescence; then washed it again, cooked it and it still showed faint fluorescence with CCl cut. Very limy and full of calcite particles.
3470' Siltstone, shale; small amount common quartz, small particles of calcite. GOOD FLUORESCENCE WITH CCl CUT.
3480' Same as above with VERY GOOD FLUORESCENCE WHEN CUT WITH CCl¹⁴, after cooking.
3490' Coarse grained highly cemented sandstone, argillaceous. Greenstone, peridotite, common quartz, black shiny slickensided particles (black serpentine?) Very limy, faint fluorescence when cut with CCl.
(Washed good but not cooked)

3500' Siltstone and particles of this black shiny material. Very little quartz, particles of dark chocolate shale. Extremely limy. GOOD FLUORESCENCE WHEN CUT WITH CCl.
3510' Same as above but when thoroughly cooked and cut with CCl there was no fluorescence.
3520' Tight argillaceous sandstone. Very little common quartz, greenstone, glauconite, quite a few pieces of brown calcite. CUTTINGS are very very limy. GOOD FLUORESCENCE ON WELL WASHED CUTTINGS WITH CCL. Same sample washed again and cooked thoroughly and then cut with CCl and got GOOD YELLOWISH GREEN FLUORESCENCE.
3530' Same as above with more common quartz.
3540' Same as above.

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35 0' Highly cemented argillaceous sandstone and siltstone. Quartz, greenstone, very very limy, brown calcite particles, sandy chocolate brown particles of shale, Good fluorescence of well washed cuttings when cut with CCl. Same sample when washed and cooked gave good fluorescence when cut with CCl.
3570' Same as above.
3580' Same as above.
3590' Same as above.
3 00' Same as above.
3 10' Same as above.
3620' Same as above.

"Child" (It would not be surprising if we cored in this that it would prove to be a silty conglomerate, some as cored 3202 and 3218. It should be observed at this point that there were no breaks in drilling from about 2750' to present depth, except 3527 to 3530 which was drilled 7 to 8 feet per hour. I do not believe that any of the bedplanes shown above in this entire log were genuine. There is some evidence in the cores that the formation may be flat same as on surface.
Tom Counts, driller, first observed oil show in ditch just passed 300' feet but it was passed up as previously stated. The oil shows were more or less consistent in the ditch from 905 to present 3020' except basalt 2209 to 2715. Sometimes the shows were consistently in large rainbows. These shows were witnessed by dozens of people and include representatives of several of the major companies (their names will be given on request).

3630' Coarse grained sandstone, small amount common quartz, good sized particles of calcite. Contains very limy. Greenstone, peridotite, glauconite. Good fluorescence with CCl cut. Oil constantly showing rainbows on ditch and gas is fracturing slightly in the tank. Drilling only 4 ft. per hour.
3640' Same as above with Fair Fluorescence.
3650' Same as above.
3660' Same as above.
3670' Same as above.
3680' Siltstone and black igneous particles of some sort which have been mentioned as observed above several times. Not so limy as before. Very little common quartz. FAINT FLUORESCENCE WHEN CUT WITH CCl.

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