

HUMBLE OIL & REFINING COMPANY  
 Howard J. Miller, et.ux. #1  
 Section 10-10S-3W  
 Linn County, Oregon  
 Elev. - 231 KB  
 Sample described by:  
 W. T. Biskamp

Sidewall Sample #	Depth	Recovered	Description
1	532	3/4"	Siltstone - dark gray, micaceous, soft, argillaceous.
2	916	1 1/2"	Sandstone - brownish-gray, sandy, carbonaceous, very fine, argillaceous, N.O.S.C.F.
3	957	1 1/2"	Sandstone - light gray, very fine to fine, quartzose, micaceous, friable, small flakes of carbonaceous material, clayey, N.O.S.C.F.
4	1226	3/4"	Siltstone - brownish-gray, finely laminated, some laminae of lighter colored sandy siltstone, N.O.S.C.F.
5	1367	NR	NR
6	1878	1 1/2"	Sandstone - medium dark gray, very fine, micaceous, argillaceous, soft, N.O.S.C.F.
7	2019	3/4"	Mudstone - silty, sandy, brown, N.O.S.C.F.
8	2400	1"	Sandstone - light gray, fine to medium, micaceous, friable, quartzose, subangular to subrounded, N.O.S.C.F.
9	2445	1"	Sandstone - light gray, fine to medium, subround to subangular, quartzose, slightly micaceous, clayey, friable, carbonaceous, N.O.S.C.F.
10	2639	NR	NR
11	2661	1/2"	Siltstone - medium gray, sandy, micaceous, carbonaceous, N.O.S.C.F.
12	2784	1"	Sandstone - light gray, fine, subangular to subround, as above, N.O.S.C.F.
13	2896	3/4"	Sandstone - light gray, fine grained, subangular to subround, quartzose, micaceous, carbonaceous, clayey, friable, N.O.S.C.F.

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14	3148	1"	Sandstone - light gray, fine to medium, micaceous, clayey, quartzose, carbonaceous, trace chlorite flakes, friable, subangular to subrounded, N.O.S.C.F.
15	3390	1/2"	Sandstone - light gray, very fine to fine, micaceous, quartzose, carbonaceous, pyritic, clayey, friable, subangular to subrounded, N.O.S.C.F. Trace of chlorite flakes.
16	3662 1/2	NR	NR
17	3672 1/2	3/4"	Sandstone - light gray, fine grained, predominantly quartz, micaceous, very friable, trace carbonaceous material, clayey, subangular to subrounded, N.O.S.C.F.
18	4019 1/2	NR	NR
19	4259	1"	Siltstone - medium brownish-gray, sandy, carbonaceous, N.O.S.C.F.
20	4277	1/2"	Siltstone - brownish-gray, micaceous, argillaceous, N.O.S.C.F.
21	4403	1/2"	Sandstone - medium greenish-gray, very fine grained, micaceous, carbonaceous, flakes apart easily, silty and tuffaceous? N.O.S.C.F.
22	4543	3/4"	Mudstone - brownish-gray, micaceous, silty, N.O.S.C.F.
23	4777	3/4"	Siltstone - medium dark green, micaceous, argillaceous, N.O.S.C.F.
24	4815	1/2"	Mudstone - medium dark gray, micaceous, silty, N.O.S.C.F.

All samples were described dry. All of the sandstones appeared to be porous and permeable even though they contain clay. The clay probably acts as the cementing agent. These sands resemble very closely those of the upper Eocene Skookumchuck formation of western Washington.

WTB:pe  
 8/28/62  
 cc: A. W. Marianos  
 R. M. Smith

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 Core described by:  
 George M. Thomas

Core #3 4948 - 4951 Cut 3 ft. Recovered 1 ft.

1 ft. basalt - dark gray, dark greenish-gray, very dense, altered. A dark greenish-black chloritic or serpentine sheen is visible on some broken surfaces. Very tiny calcareous veinlets and tiny massive pyrite specks are disseminated throughout. Calcareous amygdules, from pin point to 1/2" in diameter, are present. Dark brownish-gray shale pieces, firm, dense, micaceous with tiny flecks of black carbonaceous? material and pyrite were recovered with pieces of basalt between the core catcher and the top 6" piece of basalt. No show.

GMT:pa  
 8/28/62  
 cc: R. M. Smith  
 G. M. Thomas  
 W. T. Biskamp