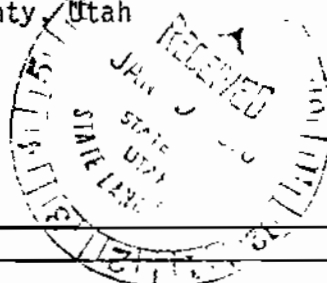


The Atlantic Refining Company
 Three Mile Canyon Core Hole No. 2
 NE & SW Sec. 36, T. 11 S., R. 24 E.
 Uintah County, Utah

Elevation 6185 G. L. est.



FROM	TO	
0	10	Dolo (90%) (Saprophytic carbonate), lt olive brown, dense conchoidal to fissile, v hard, brittle; sh: (5%) olive gry, dolomitic; ls: dk brn, dense w/ white calcite; ste: (5%) lt olive brn, dolomitic, v mic, surface weathering.
10	20	Dolo, lt olive brown to olive gr, dense, conchoidal, v hard.
20	30	Dolo as above (90%); sh: (10%) lt greenish gr, calc, tr lt gr bent.
30	40	Dolo as above (85%); sh: (15%) lt greenish gr, calc, tr lt gr bent.
40	50	Dolo as above (80%); sh: as above (20%), tr white calcite.
50	60	Dolo as above (75%); sh: as above (20%), bentonite (5%) white.
60	70	Dolo (50%), lt olive brn to olive gr; sh: (30%) lt greenish gr, calc, soft; ls and ca: (20%); ls: dk brn ds, and xls of wh ca, fracture or vug fillings, tr wh-gr bent. Marsh gas (methane) while drlg.
70	80	Dolo (100%), grayish olive, tr wh ca xls (began making water).
80	90	Dolo (50%) as above; calcite, wh xls (50%).
90	100	Dolo (90%) as above; calcite as above (10%), tr wh bent.
100	110	Dolo (100%), lt olive brn to dk olive gray, dense, hard.
110	120	Dolo (100%) as above, w/tr yellow ca and gr bent.
120	130	Dolo (100%) as above.
130	140	Dolo (100%) as above.
140	150	Dolo (100%) as above.
150	160	Dolo (100%), dk olive gr to olive black, dense, v hard. Blk dolo = oil sh.
160	180	Same as above.

Atlantic
Three Mile Canyon #2
Page 2

FROM	TO	SAMPLE DESCRIPTION
180	190	Same as above, w/tr disseminated pyrite.
190	200	Same as above, tr bent.
200	230	Same as above.
230	240	Same as above, tr pyrite.
240	280	Same as above
280	290	Dolo (100%), lt olive brn to blk, tr pyrite.
290	300	Same as above.
300	310	Dolo (95%) as above; calcite (5%), lt yellow brn xls.
310	320	Same as above.
320	330	Dolo (80%), lt olive brn to olive brn; sh: (10%) lt grn, calc, soft; ls: (10%), lt gr, ds, hard, blocky, tr pyrite.
330	340	Dolo (100%), lt olive brn to blk.
340	350	Dolo (100%), lt olive brn to blk (40% blk oil sh).
350	360	Same as above.
360	370	Same as above.
370	375	Same as above. (50% blk oil sh)
375	390	No returns.

(Drilled w/air from surface to 395 ft.)

395	400	Dolo (60%), lt gr, ds to microxline, pyrite throughout, interbd w/lt brn to dk brn dolo (30%); ls: (10%), lt brn to yellow brn, f-xline, tr blk dolo (oil sh); abdt cavings.
400	410	Dolo (70%), lt olive to lt brn, ds; dolo (20%), lt gr, ds to microxline, pyrite throughout; ls: (10%) as above, tr blk dolo (oil sh).
410	420	Dolo, wh to v lt gr to med brn, chalky to ds, algal, v hard in part, tr wh sdy dolo, tr oil sh, tr pyrite.

FROM	TO	SAMPLE DESCRIPTION
420	430	Dolo, wh to lt gr, algal, ds to cxline, chalky in part, frag and pellets, interbd w/v thin seams of oil sh.
430	437.5	Ste: (60%), med gr, calc, microxline to cxln, ca and pyrite throughout; dolo (40%), wh to lt brn, gr in part, algal, tr oil sh.
437.5	440	Ste: (70%) as above; ss: (30%), wh to v lt gr, vfg to fg, sub ang to ang, friable, calc, tr tar(?), poor to fair por (<10%), grains wh, some brn grains of algal, dk rx frag, lt green grains, pyrite, sli mic.

(Drilled with mist--air, water, soap and diesel fuel--from 395 ft. to 440 ft.)

<u>Cored</u>		
440	460	Rec. 9'. Driller says bottom of core left in hole. Brown oily scum on pit.
<u>Visual description</u>		
440	440.7	Ste: lt gy, irreg uneven bdg.
440.7	445.5	Ss: med gy, asphaltic laminae, bdg parallel, even; sharp top contact but gradational; bottom contact sharp - unconf.
445.5	449.0	Sh: lt gy, massive - uneven laminae.
<u>Microscopic</u>		
440	440.7	Ste: lt gy, sdy-vfg, calc, v micac, poorly sorted, rare asphalt frags, pyritic, tight.
440.7	445.5	Ss: lt gy, f-vf, sub ang med sorted, micac, pyrite, asphalt frags rare, calc, exc p & p (20-25%), tr olivine, highly micac on bdg planes.
445.5	449.0	Sh: lt gy, slty calc, v micac, rare asphalt frags.
<u>Core #2</u>		
460	466.5	Rec. 7', top 1/2' from Core #1.
<u>Visual description</u>		
449	449.5	Sh: lt gy, irreg uneven bdg.
460	462.7	Sh: lt gy, parallel even-irreg, uneven bdg lower 0.4', lt gy shly siltstone gradational to unit below.
462.7	466.5	Ss: gy, asphaltic laminae, xbd.

FROM	TO	DESCRIPTION
		<u>Microscopic</u>
449	449.5	Sh: lt gy, v slty, calc, v micac, rare asphalt frags.
460	462.7	Sh: same as above.
462.7	466.5	Ss: As in Core #1.
		<u>Samples - good quality</u>
466	470	Ss: as above (bottom Core #2) plus 20% dolo, brn, dns.
470	475	Sh: lt gy, sdy, slty calc, micac, poorly sorted, hard, tight, pyrotite.
475	480	Sh: as above, except not sdy or slty.
		<u>Added bentonite to drilling water - fair samples</u>
480	485	Dolo: brnish gy, sub litho, dns, v pyrotitic, plus 30% sh as above.
485	490	Dolo: brn to brnish gy, sub litho to finely granular, sdy, laminated in part.
490	495	Dolo: 50% as above, plus 50% dk brn-blk, vf xln, dns.
495	500	Dolo: as above, w/10% tn f-m grd calcarenite, plus 30% sh: lt gy, calc, pyrotite.
500	505	Sh: lt gy, calc, pyrotite in needles, plates, slty.
505	510	Sh: as above
510	515	Sh: 60%, as above; ste: 30%, gy, sdy, calc, pyritic, asphaltic - even but poor; ls: tn fg calcarenite.
515	520	Sh: lt gy, v slty, calc, pyrotite needles and plates, pyritic, micac.
520	525	Ste: lt gy, shly, calc, poor asphaltic to none.
525	530	Ste: 70% as above, asphalt move rare; sh: 30%, lt gy, v slty calc, pyrotite needles and plates.
530	535	Ste: as above.
535	540	Ste: as above.

FROM	TO	SAMPLE DESCRIPTION
540	545	Sh: lt gy, slty, calc, pyrite, pyhrotite, mica.
545	550	Sh: as above.
550	555	Sh: lt brnish gy to lt gy, calc to dolom, slty in part.
555	560	Sh: as above, plus dolo: 10%, dk brn, vf xln dns.
560	565	Sh: as above, plus dolo: 20% as above.
565	570	Sh: gy, v slty, calc, micac, pyr, pyhrotite.
570	575	Sh: as above.
575	580	Sh: 50% as above; dolo: 40%, dk brn, vf xln, dns; ls: 10%, wh, vf xln, dns.
580	585	Sh: 60%, gy, v slty, calc; dolo: 40%, dk brn, vf xln dns, pyhr.
585	590	Dolo: 80% as above; ls: 20%, brn-tn, vfx, dns.
590	595	Dolo: as above; tr ls: as above.
595	600	Dolo: as above; tr ls: as above.
600	605	Dolo: as above; tr ls: as above.
605	610	Sh: 60%, lt gy, v slty, non calc; dolo: 40%, lt brn, vfx, dns.