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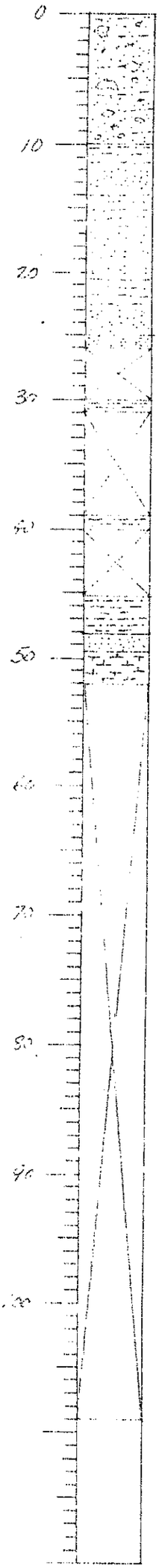

From	To	Grade ~~Thick.~~	
0.0	25.0		Drilled w/ 5 5/8" RB; Lost circ. - no samples; Surface exposures indicate following: 0-10' Alluvium, gry silty, sdy, w/ large ang frag. 10-25' sltstn & SS, gry and buff, mas, vf gr
25.0	45.2		3 core runs 20.2' cut, 3.1 rec.; no depth control; SS, buff, vf-fgr, sbrd, frly bd, mas, calc; blk carb strg; Sltstn, brn, mas, num fgr ss strg; tr gry cly sh; tr brn, cntrt mrlstn.
45.2	48.2		Sltstn & sh, intmxd; lt gry-brn, mas & ireg bdg; abnt vf-fgr ss lenses.
48.2	49.4		SS, lt gry-brn, mas, even & und bdg, calc, vf gr.
49.4	52.0		Mrlstn, med gry, ireg to sl wvy bdg, ox stng.
52.0	109.0		Drilled 5 5/8"; lost circ, no samples

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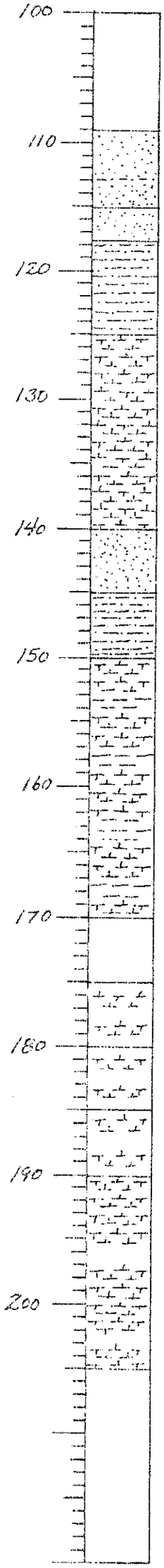

From	To	Grade ~~Thick.~~	
109.0	115.0	0	SS, lt gry, vf gr, mod srtd, s&p; tr lt yel-orng ox stng on grains, sl to mod calc; Tr tan sltstn.
115.0	120.0	0	SS a.a.; sltstn, lt brnsh-gry, mas, frly hd to sl brit, sl fis, v sl calc.
120.0	125.0	0	sltstn a.a.
125.0	140.0	VL	Mrlstn, lt to med gry-brn, fis, v low grd, tr blk org or coaly mat.
140.0	145.0	0	SS, lt gry, vf gr, mod sttd, s&p, sl to mod calc.
145.0	150.0	0	sltstn, lt gry-brn, mas, frly hd, sl fis, brit, mod-v. calc.
150.0	170.0		Mrlstn, lt brn, laminated, hd, brit, mod-v calc; w/ intbd gry, slty, cly shale, fis, hd, brit.
170.0	175.0		C Sh, med to dk mah-brn, lam, brit; O Sh, lt brn to tan, lam, brit.
175.0	180.0		O sh, med brn; mrlstn, lt gry; O Sh, dk brn.
180.0	185.0		C Sh, med brn; mrlstn, lt gry.
185.0	190.0		C Sh, med to dk brn; Mrlstn, lt gry-brn.
190.0	205.0		Mrlstn, lt to med gry-brn, calc, fis, hd; w/ tr intbd O Sh, med brn.

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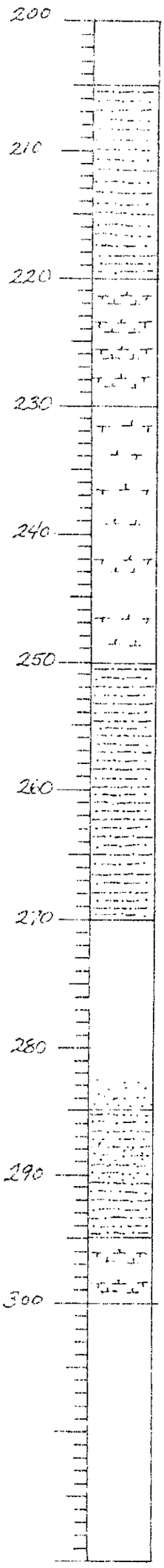

From	To	Grade ~~Thick.~~	
205.0	220.0		Siltstn, brn, mas, hd, mod - v calc, abnt blk org or carb mat.
220.0	230.0		C Sh, med to dk brn, lam, tough; w/ intbd mrlstn, lt gry-brn, lam, hd, sl brit, mod - v calc.
230.0	250.0		C Sh, lt to med brn, lam; trc intbd, lt gry-brn mrlstn.
250.0	270.0		Siltstn, buff, stf, v clayey, calc; abnt blk carb or org flks.
270.0	285.0		C Sh, med to dk brn, lam, tough, calc; tr lt gry, f gr, fri, ss @ 280-285.
285.0	295.0		Siltstn, brn, mas, brit, v calc; w/ some f gr ss.
295.0	300.0		C Sh, med to dk brn & Mrlstn, lt gry-brn, lam, intbd.
			CORE POINT @ 300.0'

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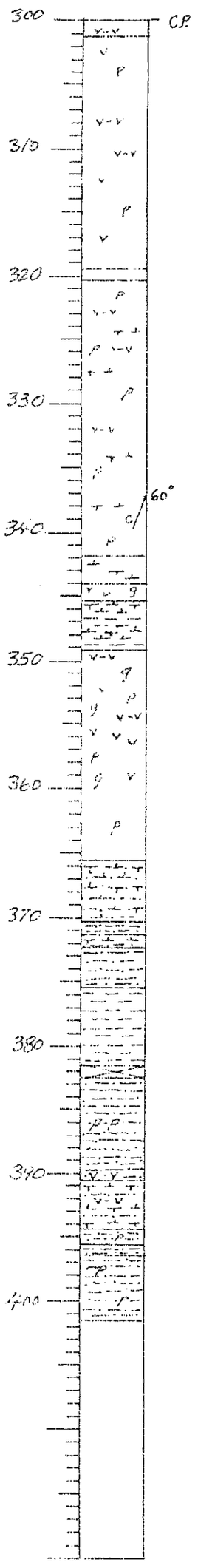

From	To	Grade Thick.	
300.0	301.25	M-H	O Sh, med to dk olv-brn, even bdg, tuf strgs.
301.25	312.5	L	O Sh, lt olv-brn, even bdg; num bi-gry tuf strg & lam, mod calc, few pyr strg, few zns of med to dk brn, med grd O Sh
312.5	320.2	M-H	O Sh, med to dk olv-brn, even to sl strk bdg.
320.2	341.8	L	O Sh, lt brn, even bdg, num grash-blk & bl-gry pyr strg & lam, nvm mrly buds, num tuf strgs; 60° frac w/ calc @ 338.6.
341.8	344.0	VL	C Sh, v mrly, lt gry-brn, irreg bdg, "blebby" strk.
344.0	345.3	L	O Sh, lt brn, irreg bdg, mrly, tuf, tr gil.
345.3	348.0	C	Mrlstn & clystn, intbd; lt brn & lt gry-brn, v irreg bdg, mod-v calc.
	349.15		
349.15	365.4	L-M	O Sh, lt olv-brn, even bdg w/ tr lenz bdg; num asph & bl-gry, anal tuf strg & lam; mod calc; num, dk gry pyr lam & strg; tr gil strks.
365.4	370.2	O	Mrlstn & siltstn, intmxd; lt gry-brn, mas to irreg bdg, mod-v calc; nvm anal tuf strg, abnt asph flks & tr gil.
370.2	371.3	O	Siltstn, lt gry-brn, mas, sl-mod calc.
371.3	372.3	O	Siltstn & Mrlstn, intbd; lt gry-brn & lt olv-brn.
372.3	325.4	O	Siltstn, lt gry-brn, mas, mod-v calc, blk asph flks.
325.4	390.5	O	Siltstn, med gry-brn, mas w/ num org mrly strg, fely hd, sl calc, abnt org flks & strks; dyr strg @ 386.2; tr anal tuf' zods & bnd from 390.2 - 390.5; '0.95' core loss from 381.55 - 382.5
390.5	394.4	VL	Mrlstn, O Sh, & siltstn, intbd; abnt wvy tuf.
394.4	395.55	VL	O Sh, lt brn, even to sl wvy bdg, mrly, nvm pyr strks.
395.55	396.4	O	Siltstn, gry, mas, hd, abnt O Sh strgs.
396.4	401.5	O	Siltstn, lt gry-brn, even to mas bdg, fely hd, mod calc, alt pyr strks & strg.

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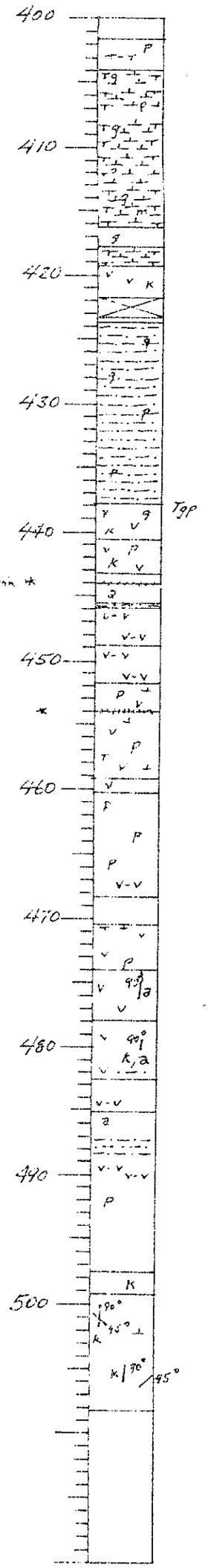

From	To	Grade Thick.	
404.5	404.0	M-H	O Sh, dk olv-brn, strk w/some irreg bdg, pyr.
404.0	416.2	V-L	Mrlstn, lt gry-brn, mas & strk bdg; 'o sh stks & strg, v calc, slty; 'thn o sh' bd 406.75-'407.8; 'alt pyr, gil, tr marc.
416.2	417.7	M	O Sh, med olv-brn, wvy to irreg bdg, gil strk.
417.7	419.15	V-L	Mrlstn w/ o sh strg, gry, mas; dk mah-brn, o s
419.15	423.75	M	O Sh, med to dk olv-brn, cntrtd bdg; anal tu strg w/ sl f.t, op, wht alt mat-Kao? (Kaolinite, 1.6' core loss from 421.85-423.45.
423.75	437.9	O	Sltstn, gry, mas, hd, calc, org flks, alt pyr stks, gil strks, o sh strks & strg thru; ang unconformity contact w/ o sh below.
			TOP PARACHUTE CR. MEM. @ 437.9'
437.9	440.5	L-M	O Sh, med to dk olv-brn, even w/ tr loop bdg.
440.5	~~444.~~ 443.3	L	O Sh, lt olv-brn, even w/ loop bdg, pyr, Kao.
443.3	445.5	V-L	O Sh, mrly, lt brn, sl even bdg to mas.
445.5	446.0	O	Sltstn, lt brn, mas, hd, mod-v calc, o sh strk
446.0	448.9	L	O Sh, lt olv-brn, even w/ tr loop bdg; anal tuf strg
448.9	451.7	M	O Sh, med olv-brn & dk olv-brn, even & loop bdg.
451.7	459.2	V-L	O Sh, lt olv-brn, even w/ tr loop bdg, mrly, pyr stks, tuf lam.
459.2	460.25	M-H	O Sh, dk brn-blk, even bdg w/ tr loop, v low dns.
460.25	468.3	L-M	O Sh, med olv-brn, even bdg, pyr lam; anal tuf @ 467.3'
468.3	470.4	L-M	O Sh, med brn, even bdg, sl-mod calc.
470.4	474.0	L-M	O Sh, med olv-brn, even bdg, tuf strg, pyr strg, thn mrly bnd @ 470.6'
474.0	478.0	V-L	O Sh, mrly, lt olv-brn, even w/ loop bdg, abnt tuf lam; 2.1' 90° frac w/ asph mnrl.
478.0	482.5	L-M	O Sh, lt olv-brn, even bdg, sev anal tuf strg; .40' frac 90° (479.4-479.8) w/ Kao & asph mnrl; sl slty 482.0-482.4'
482.5	485.1	M-H	O Sh, dk olv-brn, even to loop bdg, v lo dns.
485.1	497.05	L	O Sh, lt to med olv-brn, even bdg, mod calc, asph blebs; gry sltstn bnd, anal tuf strg & bnd, few dk gry pyr strks.
497.05	499.3	M	O Sh, dk olv-brn to blk, even w/ tr loop bdg, Kao.
499.3	508.15	L	O Sh, lt brn to lt olv-brn, even bdg, mod calc; num gil strks; 90° x 45° frac w/ wht, pwdry, Kao? 500.0-501.05'; 90° frac w/ Kao? 504.95-505.95'; 45° frac w/ Kao @ 506.0.

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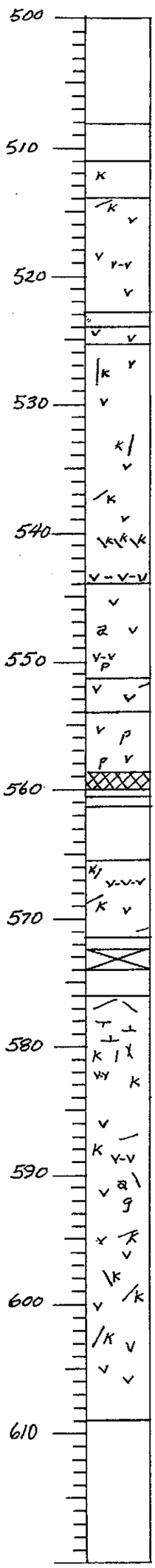

From	To	Grade Thick.	
508.15	511.0	H	OSh, dk gry-blk, even w/ loop bdg, g-exc comp, v lo dns.
511.0	514.0	M	OSh, med olv-brn, even bdg, g-exc comp, few ~~&~~ brks w/ wht Kao ctg.
514.0	522.8	L-M	OSh, lt olv-brn to lt brn, even bdg, g-exc comp, mod calc, tuf strgs & bnds cbm, few fracs some w/ wht Kao ctg, "bleeding" tuf @ 519.6.
522.8	524.0	H	OSh, dk grnsh-blk, even to sl strk bdg, lo dns.
524.0	525.6	H	OSh, med to dk olv-brn, contrtd bdg, lo dns.
525.6	544.0	L-M	OSh, lt gry-brn, even bdg, fair to good comp, sev fracs w/ Kao ctg; num, wht, gran tuf strgs; sev blk gil strgs; 543.7 – 544.0 brn, wvy tuf bd.
544.0	551.6	L-M	OSh, lt to med olv-brn, even bdg, exc comp, num gran anal tuf strg; few ~~&~~ brks w/ Kao ctg, tr alt pyr & asph.
551.6	554.0	H	OSh, dk grnsh-brn, even w/ loop bdg, exc comp, lo dns, few tuf strg.
554.0	558.75	L	OSh, mrly, lt olv-brn, even bdg, g comp, few tuf strg, few pyr lam.
558.75	560.0	~~D~~	Rbbl, Marlstn, tan, even bdg, v calc.
560.0	560.6	L-M	OSh, med brn, even bdg.
560.6	561.25	VL	OSh, lt gry-brn, even bdg, g comp, v mrly.
561.25	565.5	H	OSh, med to dk brn, even bdg, frly lo dns, gil, Kao.
565.5	571.4	L	OSh, lt to med gry-brn, mrly, even bdg, g comp, few fracs w/ Kao, few brn tuf bds.
571.4	572.65	L	OSh, lt olv-brn to lt gry-brn, even bdg, mrly.
572.65	574.0	~~D~~	Core loss.
~~572.65~~			
574.0	576.0		OSh a.a. 571.4 – 572.65.
576.0	~~58~~ 609.0	L	OSh, lt gry-brn, even bdg, p-fr comp, v mrly, num ptgs along weak bdg planes; num fracs w/ Kao; num anal tuf strgs; tr gil strks; 0.3' core loss 593.7-594.0"; num 30° & 45° fracs.

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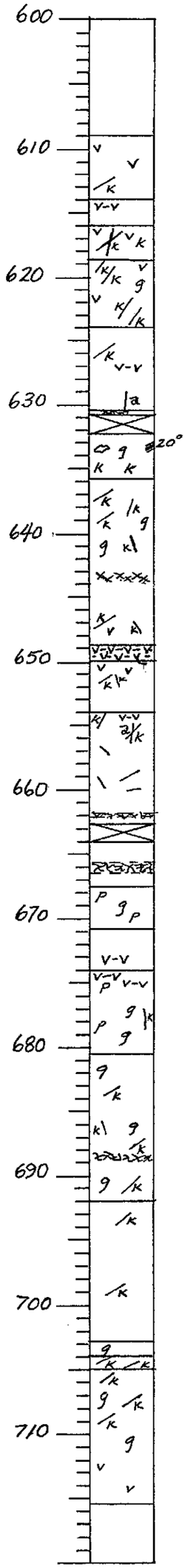

From	To	Grade ~~Thick.~~	
609.0	614.0	L-M	OSh, lt brn to lt gry-brn, even bdg, fr comp, sl brit to mod tough; tr wht, gran, anal, tuf strg; 60° frac w/ kao.
614.0	616.0	L	OSh, lt gry-brn, even bdg, q comp, brittle.
616.0	618.7	L-M	OSh, lt gry-brn, even bdg, p comp; sev asph tuf strg, num fracs, sl marly, sl brit.
618.7	624.0	M	OSh, med brn, even & ireg bdg, p-fr comp, sl brit to frly tough; 60° frac set w/ kao; p-p asph tuf blebs; 0.35' Loss 622.5-622.85'.
624.0	630.4	L	OSh, lt gry-brn, even bdg, fr comp, sl mrly; sev fracs w/ kao; sev ptgs w/ drlg rotation mks; blk asph mnrl on some fracs; .10' bl-gry, anal tuf @ 627.3'.
630.4	635.95	M	OSh, med brn, even to ireg bdg, p comp; num rbbl zns due to lchd nah vugs; core loss from 630.85-632.6'; tr inclined bdg, gil.
635.95	648.8	L	OSh, lt brn, even bdg, p comp, sl mrly; num ptgs & fracs thru w/ wht pwdry kao ctg; rbbl; sol frac zn w/ num vert fracs & ptgs w/ kao; core loss 643.7-644.0', rbbl, sol frac, 644.0-645.8'; few anal tuf strg, num ptgs thru.
648.8	649.95		Tuff (wvy Tuff), brn & lt gry, wvy bdg due to abnt osh sttg.
649.95	654.0	L-M	OSh, med brn, even bdg, p-fr comp, sl brit. .25' loss 653.75-654.0'.
654.0	667.5	M	OSh, med brn, even bdg, fr comp, num fracs w/ kao, tr loop bdg; 0.15' core loss from 656.35-656.5'; 1.30' core loss from 662.7-664.0'; 0.35' core loss 666.65-667.0'; sol frac zns w/ kao 661.8-662.05' & 665.7-666.65' w/ Tr lchd nah vug; Tr anal tuf strg.
667.5	670.8	M-H	OSh, lt-med olv-brn, even to sl ireg bdg, q comp, frly lo dns, pyr strks, tr gil.
670.8	674.0	M	OSh, lt to med gry-brn, even bdg, q comp, brit; .50' loss 673.5-674.0'.
674.0	680.5	L-M	OSh, lt gry-brn, even bdg, fr-q comp, sl mrly, wht, gran, anal tuf strgs from 674.8-675.1'; tr gil, dk gry pyr strks, few fracs w/ kao.
680.5	692.0	M	OSh, lt brn to lt olv-brn, even bdg q comp, sl brit to sl tough, gil strks com, num frac thru w/ kao; 0.15' core loss 683.85-684.0'; sol frac zn w/ num 60°-90° fracs from 688.4-689.0'.
692.0	702.8	M	OSh, lt olv-brn, even w/ tr loop bdg, q comp, v sl brit to tough, tr fracs w/ kao.
702.8	704.0	M-H	OSh, med olv-brn, even w/ loop bdg, q-exc comp.
704.0	705.0	H	OSh, dk olv-brn, even & loop bdg, q comp, lo dns.
705.0	715.4	M-H	OSh, med olv-brn, even bdg, q-exc comp; 45° set of fracs w/ kao, tr gil strks, few bl-gry tuf strg.

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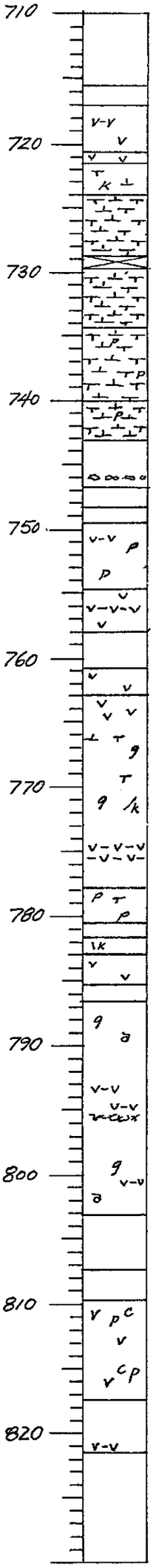
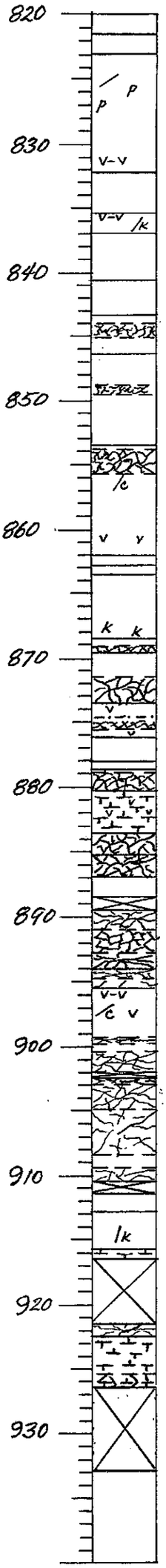


From	To	Grade ~~Thick.~~	
715.4	717.0	H	OSh, med olv-brn, even to loop bdg, q-exc comp.
717.0	720.6	M	OSh, lt gry-brn, even bdg, q-exc comp, few asph tuf strg.
720.6	721.4	VH	OSh, blk, even bdg, lo dns, exc comp.
721.4	724.0	L	OSh, lt gry-brn even bdg, p comp, num ptgs. TOP A-GROOVE @ 721.4'
724.0	734.3	~~O~~	Mr lstn, lt gry-brn, even bdg, num "poker chip" ptgs; rbbl w/ tr lchd nah 724.0-724.9' & 734.0-734.3'; 1.0' Loss 728.75-729.75'.
734.3	740.0	~~O~~	Mr lstn, lt gry to buff, even to loop bdg, v p comp, num ptgs; pyr strg; int bd gry c/y bnds.
740.0	743.1	~~O~~	Mr lstn, buff to lt gry, even bdg, v p comp. BASE A-GROOVE @ 743.1'
743.1	746.75	L-M	OSh, lt brn, even bdg, fr-g comp, mr/y; from 746.0-746.55' mr/y zn w/ tr c lchd nah vugs.
746.75	748.4	M-H	OSh, med brn, strk bdg, q-exc comp.
748.4	749.5	H	OSh, med mah-brn, even to loop bdg, exc comp.
749.5	754.7	M	OSh, lt brn to tan, even bdg w/ cntrt & offset, q-exc comp; pyr strg; bl-gry anal tuf strg @ 750.85'.
754.7	758.0	M	OSh, med dlv-brn to dk olv-brn, even to loop bdg, q-exc comp; bl-gry anal tuf strg.
758.0	760.9	M	OSh, lt to med dlv-brn, even bdg, q-exc comp.
760.9	763.0	H	OSh, dk mah-brn, even w/ tr loop bdg, exc comp, fr/y lo dns, tough, tuf strg.
763.0	777.9	L-M	OSh, lt olv-brn, even to loop bdg, q-exc comp, few bl-gry anal tuf strg; few gry mr/y bnds; lt gil strks; tan & bl-gry, gran, mas, anal tuf .50' @ 774.7';
			MAH MARKER 774.7-775.2'
777.9	780.5	L	OSh, tan, even to irreg bdg, q-exc comp, pyr strks & patches, mr/y bnds.
780.5	781.85	VH	OSh, dk mah-brn, even w/ tr loop bdg, exc comp.
781.85	783.0	M	OSh, med mah-brn, even to loop bdg, q-exc comp.
783.0	785.3	L-M	OSh, lt brn, even bdg, exc comp, num tuf strg.
785.3	786.65	M-H	OSh, lt-med olv-brn, strk & even bdg, exc comp.
786.65	803.1	VH	OSh, med to dk mah-brn, even loop & strk bdg, exc comp; asph strks & gil strks, few tuf strg; sol frac zn - coll lchd nah 795.5-795.8'.
803.1	807.35	M	OSh, lt olv-brn, even bdg, exc comp.
807.35	809.85	H	OSh, med olv-brn, even bdg, w/ bnds of dk mah brn to blk, strkd osh, fr/y lo dns, exc comp.
809.85	817.4	M	OSh, lt olv-brn to lt brn, even w/ loop bdg, exc comp, tuf blebs & strg; calc & pyr patches.
817.4	821.6	H	OSh, med & lt mah-brn, bnd, even, loop & strk bdg, exc comp, fr/y lo dns.



From	To	Thick.	
821.6	823.0	VH	OSh, dk brn-blk, even bdg, fr comp, v lo dns.
823.0	832.2	M	OSh, med olv-brn & med brn grdg to lt brn, even w/ loop & ireg bdg, exc comp; num dk gry pyr lbm; few alt pyr strg; tan tuf .15' @ 831.7'.
832.2	835.4	M-H	OSh, med brn, strk bdg, exc comp; .80' Loss 832.7-833.5'.
835.4	837.0	M	OSh, med olv-brn, even w/ tr loop bdg, g comp.
837.0	840.6	L-M	OSh, lt brn to tan, even bdg, g-exc comp.
840.6	843.4	M-H	OSh, med brn, strk bdg, exc comp.
843.4	846.45	L	OSh, lt brn, ireg bdg, p comp, r sl slty; sol frac zn 844.0-845.15'.
846.45	853.5	M-H	OSh, med olv-brn, strk bdg, frly lo dns, vp comp; rbbl (sol frac zn) 848.4-849.7'; Tr coll lchd nah w/ alt pyr; 0.5' core loss 853.0-853.5'.
853.5	862.0	L-M	OSh, lt brn to tan, even & ireg bdg, p-fr comp; sol frac zn w/ ptly coll lchd nah 853.9-855.8'; num thn bl-gry tuf lam 860.4-860.8'.
862.0	862.85	L-M	OSh, lt olv-brn even w/ loop bdg, g comp.
862.85	863.5	M	OSh, med olv-brn, even w/ strk bdg, g-exc comp.
863.5	868.6	L-M	OSh, lt to med olv-brn, even bdg, p-fr comp; num ptgs from 865.8-868.6'
868.6	869.6	M-H	OSh, med brn, strk bdg, vp comp, ptgs & fracs.
869.6	873.5	M	OSh, med olv-brn, even bdg, vp comp; abnt ptgs. sol frac rbbl 871.65-873.5' w/ num ptgs & fracs w/ Kao.
873.5	876.1	L	OSh, lt brn, even bdg, vp comp, slty, tuf strg, sltstn 874.55-874.75', sol frac zn 874.75-875.55'.
876.1	878.0	L-M	OSh, med brn, even bdg, fr comp, sev ptgs.
878.0	878.7	H	OSh, dk brn-blk, even to loop bdg, vp comp.
878.7	880.2	L-M	OSh, med olv-brn, even bdg, vp comp, sbl frac.
880.2	883.5	VL-⊖	Mrlstn, bf to lt gry-brn, even bdg, vp comp.
883.5	885.2	L-M	OSh, lt brn, even bdg, vp comp, sol frac zn.
885.2	887.0	M	OSh, med brn, even bdg, vp comp, sol frac zn.
887.0	894.0	L	OSh, lt brn, even bdg, p comp, num ptgs, calc sld fracs; 0.9 core loss 888.6-889.5'; sol frac zn 889.5-891.0'; sol brec 891.0-892.8'; sol brec, rbbl 892.8-894.0'.
894.0	895.55	VL-L	OSh, lt brn, even bdg, vp comp, sol frac.
895.55	902.5	L-M	OSh, lt olv-brn, even & ireg bdg, p comp; tuf strg; sol frac zn 899.3-899.7' & 900.3-902.0'; 0.5' core loss 902.0-902.5'.
902.5	911.5	L	OSh, lt gry-brn to lt brn, even bdg to nrly mas, vp comp, mrly; sol frac & sol brec from 902.5-903.0; Sol frac 903.0-905.0; sol frac 905.0-908.5; Kao com; sol frac 908.5-909.5'; 1.0' Loss 910.5-911.5'.
911.5	912.8	M	OSh, med brn, even to strk bdg, vp comp,
912.8	915.7	L-M	OSh, lt olv-brn, even bdg, p comp. TOP B-GROOVE @ 915.7'
915.7	922.5		Mrlstn, lt tan, even bdg, p comp; sol frac 921.5-922.5, Tr lchd nah vugs; core loss 916.5-921.5'.
922.5	926.3	⊖-VL	Mrlstn, med brnsh-gry, even bdg, vp comp, "pkr chip" ptgs, Kao ctg, v arg; sol brec 925.45-926.3'.
926.3	933.0		Core loss.

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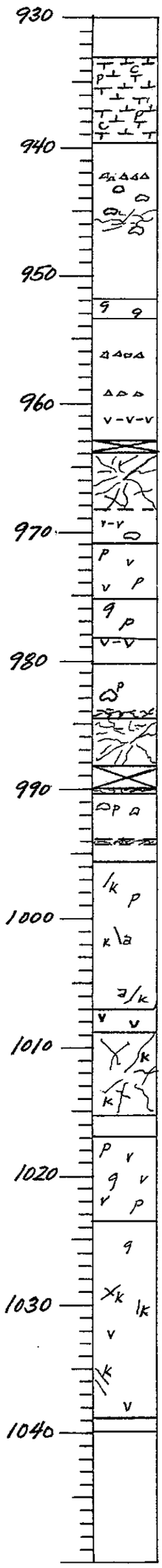

From	To	Thick.	
933.0	939.6	6	Mrlstn, gry to lt brnsh-gry, even bdg, vp cbrnp; "pkr chip" ptgs, sol brec zns, p-p calc, pyr & marc strgs.
			BASE B-GROOVE @ 939.6'
939.6	951.95	VL-L	OSh, lt brn, even to ireg bdg, vp comp; abnt calc blebs & strg; sol brec & sol frac zns; lchd nah vugs.
951.95	953.45	M	OSh, lt olv-brn, strk bdg, g-exc comp, gil strks.
953.45	963.0	L-M	OSh, lt olv-brn to tan, even bdg, p comp, num p/a ptgs, sol brec zns; buff, mas, Tuf from 961.25 - 961.95'.
963.0	964.0		Core Loss.
964.0	971.0	L-M	OSh, lt brn, strk, ireg & cntrtd bdg, p comp; Trc coll lchd nah vugs, sol frac zns. 964.0 - 968.35' sol frac rbbl.
971.0	975.2	L-M	OSh, lt gry-brn grdg to lt brn, even bdg, g-exc comp; tr pyr lam, tuf lam.
975.2	978.15	L-M	OSh, lt to med gry-brn, even bdg, fr comp, sev ptgs, gil strks, pyr lam.
978.15	981.1	L-M	OSh, lt olv-brn & gry-brn, bnd, even bdg, g comp.
981.1	984.6	M	OSh, med olv-brn, strk bdg to blebby struc, g-exc comp, tan mrly blebs.
984.6	990.25	L-M	OSh, med olv-brn, even bdg, p comp; sol frac zns w/ lchd nah 984.6 - 988.35'; core loss 988.35 - 990.0; sol frac rbbl 990.0 - 990.25'.
990.25	995.7	M	OSh, med brn, strk bdg, g comp, abnt lt tan mrly blebs; alt pyr blebs, coll lchd nah vugs w/ pyr. sol frac rbbl.
995.7	1007.0	L	OSh, lt brn to tan, even bdg, p comp; num ptgs & fracs w/ Kao & asp; brit.
1007.0	1008.9	M	OSh, med olv-brn, even to loop bdg, g-exc comp, bl-gry tuf blebs & strg.
1008.9	1015.15	L-M	OSh, med gry-brn, even bdg, p comp, num fracs w/ Kao ctg - sol fracs.
1015.15	1016.85	M	OSh, med brn, ireg & strk bdg, g-exc comp.
1016.85	1023.5	L-M	OSh, med brn, even bdg, g comp, pyr strg & lam, bl-gry tuf strg, num ptgs w/ Kao, Tr gil strks.
1023.5	1038.9	L	OSh, tan w/ med brn bnds, even bdg, fr comp, mrly, sev fracs w/ Kao & pyr, sol frac zn w/ alt pyr & ptly coll lchd nah vug 1032.75' - 1033.2', num ptgs w/ Kao, Tr gil strks, Tr tuf strgs.
1038.9	1039.8	L-M	OSh, med brn w/ tan mrly lam, even bdg, g comp, sev ptgs w/ Kao ctg.

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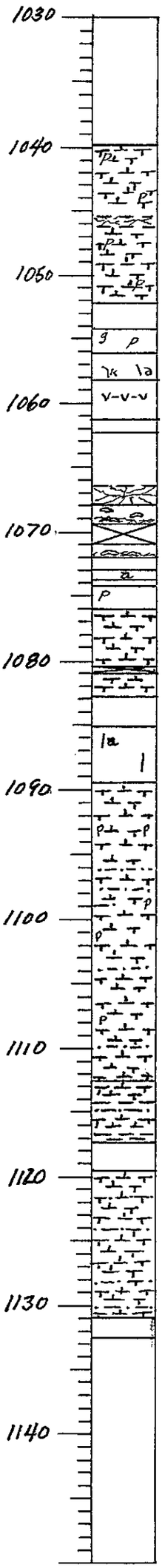

From	To	Thick.	
1039.8	1052.1	θ-VL	Mrlstn, lt brnsh-gry, even bdg, vp comp, abnt pyr lam, "pkr chp" ptgs 1043.0-1049.6'; sol frac rbbl 1045.6-1046.25; few scat fracs w/ kao & asp.
1052.1	1054.2	M	OSh, med brn, strk & even to loop bdg, q comp.
1054.2	1056.1	VL	OSh, lt gry-brn, even bdg, q comp, mrly.
1056.1	1057.25	θ-VL	Mrlstn, lt gry-brn, even bdg, vp comp, ptgs & frac w/ kao & asp com.
1057.25	1061.2	M	OSh, lt to med btn, strk bdg, q-exc comp.
1061.2	1062.3	L	OSh, med brnsh-gry, strk bdg, q comp.
1062.3	1068.0	VL	OSh, lt gry-brn, even bdg, vp comp, num ptgs & fracs; sol frac zn 1066.5-1068.0'
1068.0	1072.0	L-M	OSh, lt to med olv-brn, even to ireg bdg, vp comp; sol frac zns, coll lchd nat, 1.60' core loss 1069.4-1071.0'.
1072.0	1073.0	M	OSh, med brn, strk bdg, q comp.
1073.0	1073.7	M	OSh, med olv-brn, even to ireg bdg, q comp.
1073.7	1074.2	M-H	OSh, med to dk olv-brn, even bdg, lo dns, exc comp
1074.2	1076.0	L-M	OSh, lt-med olv-brn, even bdg, q comp, p/fr.
1076.0	1082.9	θ-VL	Mrlstn, lt gry-brn to tan, even w/ frc loop bdg, p comp, mrly.
1082.9	1085.1	L-M	OSh, med olv-brn, even bdg, q comp, gry cly bnds & lam.
1085.1	1089.5	L	OSh, med olv-brn, even bdg, fr-g comp, sev ptgs & fracs.
1089.5	1112.5	θ-VL	Mrlstn, lt brn-gry, even bdg, vp-p comp, fr ireg & offset bdg, slty, num pyr strks, num pla ptgs, v brit; 0.4' core loss 1110.6-1111.0'.
1112.5	1117.3	θ	Mrlstn & Sh, intbd; Mrlstn, lt gry-brn, even & ireg bdg; gry, slty sh; p comp, fr gil strks.
1117.3	1119.6	L	OSh, med gry-brn, even w/ fr loop bdg, q-exc comp.
1119.6	1131.0	θ	Mrlstn, buff, fnt even bdg to mrly mas, v brit; sol frac zn 1121.0-1121.35'; 0.55' core loss 1120.45-1121.0, slty.
1131.0	1132.6	M	OSh, med brn, even to ireg bdg, q comp.

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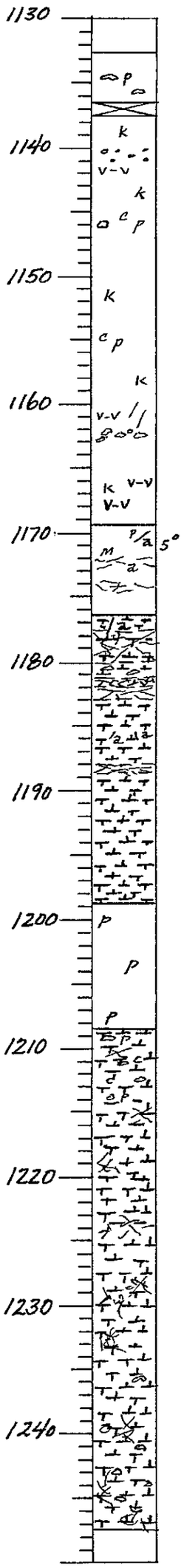

From	To	Thick.	
1132.6	1169.4	VL	OSh, lt gry-brn, even bdg, v p comp, v mrly, num ptgs (3-5 ptgs / ft), dk gry pyr strks; ptly coll lchd nah vugs; core loss 1136.7-1137.55'; sev sml sol frac rbbl zns; calc, pyr & gil strgs com-sev sets of 60° fracs; few bl-gry, anal tuf bnds & strg; 0.5' core loss 1163.5-1164.0'; Kab com on ptgs; int bd gry-brn mas tuf 1166.9-1168.7'.
1169.4	1176.5	L-M	OSh, lt olv-brn, even w/ loop bdg, p comp; num p/a ptgs, sev sol frac zns, 0.5' core loss 1173.5-1174.0'.
1176.5	1198.8	θ	Mrlstn, lt brnsh-gry, even w/ ireg bdg, v p comp, brit, highly brkn, num rbbl zns, sol frac zns w/ Trc lchd nah; 1180.7-1181.65 sol brec; 1188.5-1189.0 sol brec.
1198.8	1208.65	L-M	OSh, lt to med olv-brn, even bdg, fr comp, num dk gry pyr lam.
1208.65	1247.4	θ-VL	Mrlstn, lt gry-brn, even bdg to mas, p comp, few sml lchd nah vugs w/ calc & pyr; num sol frac & brkn zns; num ptgs from 1220.8-1223.0'; calc & pyr com on frac & ptgs; 0.55' core loss 1232.45-1233.6'.

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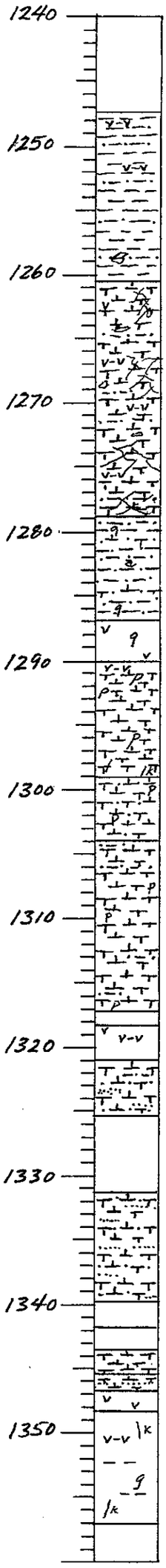

From	To	Thick.	
1247.4	1260.5	θ	Sh, gry, even bdg to mas, p comp, slty; scr pla ptgs w/ gil fos; trc dk gry tuf strg.
1260.5	1278.9	θ-VL	Mrlstn, lt brn-gry, even bdg, p comp, approx 5 ptgs/ft; v slty, v clyey; num gry slty sh bnds; num sol fracs; sev thn vuggy bnds; ¢ decrepitates; pyr & calc com on fracs & ptgs; gil com lon ptgs; trc thn gry tuf strg.
1278.9	1287.0	θ	slt stn, lt brn-gry, mas to sl even bdg, p comp, v. arg, hd, brit, mrly strg & bnds com, sl-mod calc, trc asph & gil strgs.
1287.0	1290.0	L-M	OSh, lt gry-brn to med brn, even bdg, vp comp, clyey, num ptgs, tr gil & tuf strg.
1290.0	1299.1	θ-VL	Mrlstn, lt gry-brn to tan, even bdg, fr comp, tuf strg, pyr bnds, sev fracs w/ Kao, num ptgs.
1299.1	1304.0	θ	Mrlstn, buff, even bdg to nrly mas, fr comp, pyr bnds, v. slty.
1304.0	1317.2	θ-VL	Mrlstn, lt brn-gry, even bdg, fr-g comp, num dk gry pyr bnds & lam; dk gry cly bnds, v. slty.
1317.2	1318.35	M	OSh, med olv-brn, even bdg, g comp.
1318.35	1321.0	L-M	OSh, lt to med olv-brn, even bdg, g comp, sl arg.
1321.0	1325.4	θ	Mrlstn, lt brnsh-gry, even bdg to mas, p comp, brit, sev ptgs; num gry slt stn bnds; num gry vf gr ss lam & lenses.
1325.4	1331.3	VL-L	OSh, lt olv-brn, even to ireg bdg, g comp.
1331.3	1339.8	θ-VL	Mrlstn, lt brnsh-gry to buff, even bdg to nrly mas, g comp, slty; num lt gry ss lam & lenses; few thn OSh strg & bnds.
1339.8	1341.75	L-M	OSh, med gry-brn, even & ireg bdg, g comp.
1341.75	1343.55	M	OSh, dk gry-brn, even bdg, g comp.
1343.55	1345.45	VL	Mrlstn, lt brn-gry, even bdg, g comp, sol fracs.
1345.45	1346.85	θ	Mrlstn, slt stn & ss, intbd, g comp.
1346.85	1348.2	M	OSh, med olv-brn, ireg to strk bdg, g comp.
1348.2	1357.0	L-M	OSh, med brnsh-gry, even bdg, g comp; sol frac w/ Kao scat thru, trc gil strks, scat gry cly bnds.

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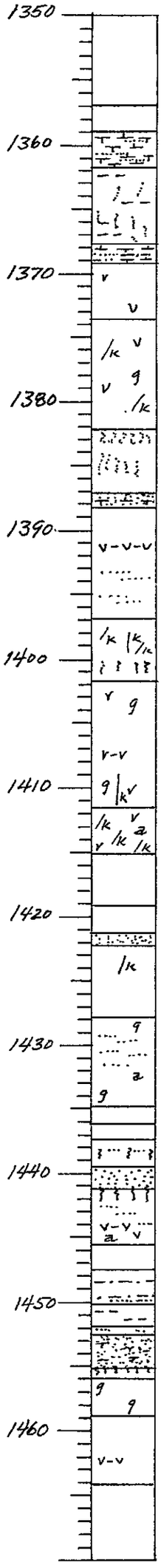

From	To	Thick.	
1357.0	1359.0	L-M	OSh, lt gry-brn to lt olv-brn, even w/ loop bdg, q comp.
1359.0	1361.85	VL-L	Mr lstn, lt olv-brn even to ireg bdg, q comp, sl slty, vf gr ss lns & bnds.
1361.85	1367.7	L	OSh, med gry-brn, even to ireg & loop bdg, q comp, num gry slty sh bnds, vert sd strgs (burrows).
1367.7	1369.15	⊖	Mr lstn, slt stn & ss, int mxd; lt gry-brn.
1369.15	1373.65	VL	OSh, lt brn to tan, even bdg, q comp, arg, v sl calc, tuf blebs & strg.
1373.65	1382.1	M	OSh, med gry-brn, even bdg, q comp, p-p calc blebs, sev fracs w/ Kao, few dk gry tuf strg, frc gil strks.
1382.1	1387.2	L-M	OSh, lt to med gry-brn & tan, sl bnd, even bdg w/ some ireg bdg, q comp, gil strks; num vert ireg sd strgs (burrows).
1387.2	1388.3	VL	Mr lstn w/ abnt ss strks & strg, q comp.
1388.3	1396.95	L	OSh, lt to med brn, even & ireg bdg, q comp, few sdy lam from 1393.0'-1394.0' & 1395.0-1395.7'.
1396.95	1401.75	M-H	OSh, dk brn-blk, even bdg, p-fr comp; few fracs w/ Kao; ireg vert ss strg (burrows)
1401.75	1411.55	L-M	OSh, lt-med olv-brn, even bdg, q-exc comp, frc gil strks, buff-tan tuf strgs; buff grn, anal tuf bnd @ 1407.4'.
1411.55	1415.1	M-H	OSh, med to dk gry-brn, even bdg, vp comp; frly lo dns, num fracs w/ Kao; num asph tuf strg & thn bnds.
1415.1	1419.1	M	OSh, med gry-brn, even bdg, p-fr comp.
1419.1	1421.25	L-M	OSh, lt to med gry-brn, even bdg, fr comp.
1421.25	1422.15	⊖	SS, gry, vf-f gr, sbrd, mod srtd, v calc, osh strks
1422.15	1427.9	L-M	OSh, med gry-brn, even bdg, fr-q comp, sl arg.
1427.9	1434.9	L	OSh, lt gry-brn to med brn-gry, even bdg, fr-q comp, mod arg, gil strks & dk brn high OSh strks, num ss & strks & strgs.
1434.9	1436.25	M	OSh, med to dk brn-blk, strk bdg, q-exc comp.
1436.25	1437.45	M-H	OSh, dk brn-blk, even bdg, exc comp, lo dns.
1437.45	1439.6	VL	OSh, lt gry-brn to tan, even w/ trc ireg bdg, q comp.
1439.6	1441.4	⊖	SS, lt gry, vf gr, s & p, mas w/ OSh strks, v calc.
1441.4	1445.5	L-M	OSh, lt gry-brn, even bdg, q-exc comp, num sdy strg & lam; ireg vert ss strg (burrows).
1445.5	1447.6	M	OSh, med brn, even bdg, q comp, gry cly bnds.
1447.6	1450.2	VL	OSh & slt stn, int bd: OSh med brn, even to ireg bdg; med gry-brn, mas, slt stn.
1450.2	1451.85	L	OSh, med olv-brn, even to ireg bdg, q-exc comp.
1451.85	1452.6	VL-L	OSh, lt gry-brn, even bdg, q comp, sdy blebs.
1452.6	1455.1	⊖	SS, lt gry, vf-f gr, mas, q comp, OSh strgs.
1455.1	1456.0	VL	OSh, lt brn, ireg bdg, q comp, ss strks & strg.
1456.0	1458.8	M-H	OSh, dk brn-blk, even bdg, exc comp, lo dns.
1458.8	1469.05	L-M	OSh, med gry-brn, even bdg, q-exc comp, fint bndg, trc sml offset bdg (depo); trc bl-gry tuf strgs.

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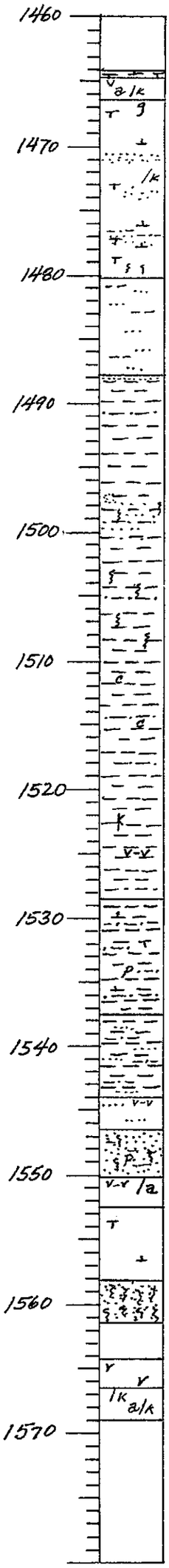

From	To	Thick.	
1464.05	1464.7	0	Mrlstn, lt brn to tan, even bdg, sd strgs.
1464.7	1466.45	M-H	OSh, dk brn to blk, even bdg, q comp, lo bns.
1466.45	1480.1	M	OSh, med to dk gry-brn, even bdg, q-exc comp; tan mrly bnds & gry sh bnds, gil strgs; tight dolo ss from 1470.4-1470.85'; 1477.15-1478.35' intmxd ss, sltstn & mrlstn; 1479.0-1479.7' ireg, vert sd strg (burrows).
1480.1	1487.95	L-M	OSh, lt gry-brn, even bdg, q-exc comp, sl arg, num gry sh bnds, num sd lam & strg.
1487.95	1528.55	VL-L	Sh, dk brnsh-gry, even & ireg bdg, q-exc comp, hd, brit, w-md; v slty; thn vf gr, tight, dolo ss lns & bnds; abnt sml scale depo offset bdg; few zns of ireg, vert sd strg (burrows); sev fracs w/ kao & clr, hd xls (silicate); clr cse xln calc com; asp tuf @ 1525.3'.
1528.55	1537.55	0-VL	Sh, med brnsh-gry, even bdg, fr comp, trc kero cntnt, v slty, num pla shly ptgs; num lt gry dolo zns; alt pyr strg.
1537.55	1544.0	0-VL	Sh, med gry-brn, ireg bdg, q comp, trc kero cntnt, v slty, hd, brit; abnt dk gry dolo sd strks.
1544.0	1546.65	L	OSh, med gry-brn, even bdg, q-exc comp, brit.
1546.65	1550.05	0	SS, lt brnsh-gry, vf gr, p srtd, clyey, dolo, tight, shly strg & lam, OSh strg, sd strg (burrows)
1551.05	1552.5	VL	OSh, lt gry-brn, even w/ loop bdg, q comp, arg.
1552.5	1558.1	M-H	OSh, dk brn-blk, even bdg, q comp, frly lo bns, few tn mrly bnds.
1558.1	1561.45	0	SS, lt gry, vf gr, v ireg bdg (bioturbidation); abnt OSh strgs, vert sd strg (burrows), cly strg & lam, few frac w/ calc.
1561.45	1564.25	VL	OSh, lt brnsh-gry, even bdg, q comp, v arg.
1564.25	1566.5	L-M	OSh, lt gry-brn to med brn, even bdg, q comp.
1566.5	1569.0	VL	OSh, lt brnsh-gry, even bdg, fr comp, arg, sev frac w/ kao & asp.

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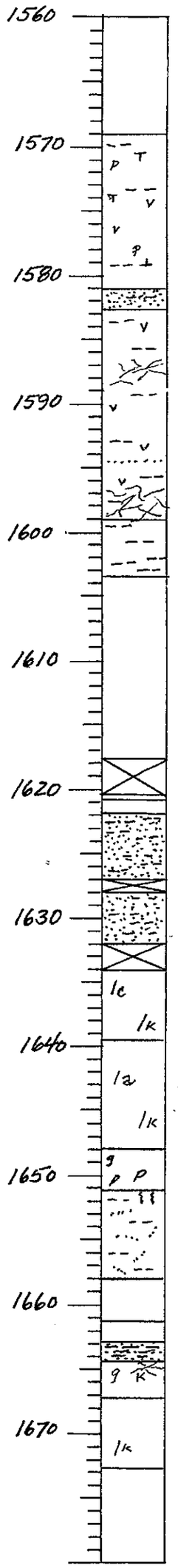

From	To	Thick.	
1569.0	1581.1	M	OSh, med to dk gry-brn & lt olv-brn, even w/ fr ireg bdg, fr-q comp, few gry cly bnds, few mrly bnds; few med to high grade bnds, fr dk gry pyr strks & tan tuf strks, few scat fracs.
1581.1	1582.7	ø	SS, lt gry-brn, mas to ireg bdg, vf-fgr, "dirty sd."
1582.7	1599.0	VL	OSh, med brnsh-gry, even bdg, pcomp, v arg, v slty; num ptgs (4/ft), num lt tan strg & blebs, dk gry cly bnds, fracs & rbbl zns.
1599.0	1603.5	M-H	OSh, dk gry-brn to blk, even bdg, pcomp, frly lo dns, q pts & breaks by hand, gry cly bnds, "GB" shales.
1603.5	1620.75	L	OSh, med brnsh-gry, even bdg, p comp, num ptgs, core easily brkn by hand; 1611.4-1611.75 ireg strg of gry vf gr sd-bioturbidation; 1617.6-1620.5 core loss due to mislatch.
1620.75	1621.95	VL	OSh, lt gry-brn, even bdg, vp comp, v arg.
1621.95	1634.0	ø	SS, lt gry-brn, vf to med gr, strkd to wvy bdg, prly srtd, frly tight, mod-v calc, abnt slty & shly strks & strgs; 1621.9-1622.25' tan ss w/ abnt cly clsts; 1627.0-1628.0' core loss; mas gry siltstn @ 1631.4'; 1632.0-1634.0' core loss.
1634.0	1639.45	L	OSh, lt gry-brn, even bdg, vp comp, num "pkr chp" ptgs, v arg, hvy dess, fracs w/ kaol & calc.
1639.45	1648.0	L-M	OSh, tan to med olv-brn, even bdg, q comp, sl dess, fracs w/ asph & kaol; 0.45' loss 1643.55-1644.0'.
1648.0	1651.3	M-H	OSh, med mah-brn, even bdg, q comp, frly lo dns, dess, offset bdg, pyr strks.
1651.3	1658.0	L-M	OSh, tan, even w/ fr strk bdg, q comp, ireg vf gr sd strgs & blebs; grn-gry arg bnds.
1658.0	1661.15	M	OSh, med olv-brn & brn, even w/ loop bdg, q-exc comp
1661.15	1662.75	L-M	OSh, lt gry-brn, even bdg, q comp.
1662.75	1664.4	ø	Sh w/ intbd ss, med gry, q comp, vf sd, hd.
1664.4	1667.2	M-H	OSh, dk brn-blk, even bdg, q comp, lo dns, fr gil strks, sol fracs, dessicating ¢.
1667.2	1672.75	L-M	OSh, med brn & lt olv-brn w/ gry sh bnds, even bdg, q comp, dep offset bdg, few fracs w/ kaol.

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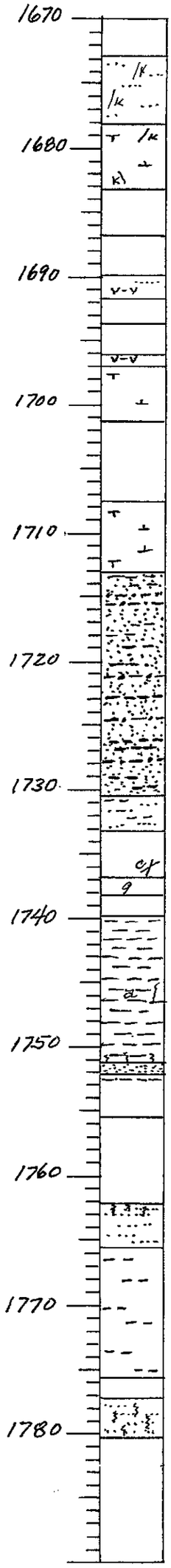

From	To	Grade ~~Thick.~~	
1672.75	1678.2	VL-L	OSh, tan, even bdg, q comp, sev 90° fracs w/ Kao, sev gry sd strks.
1678.2	1683.15	M-H	OSh, med mah-brn to dk brn-blk, even to 'loop bdg, q comp, frly lo dns; few tan mrly bnds; sev fracs w/ Kao.
1683.15	1686.8	M	OSh, lt brn & med olv-brn, bnd, even bdg, exc comp
1686.8	1689.95	M-H	OSh, med to dk mah-brn, even bdg, exc comp.
1689.95	1691.7	L-M	OSh, lt olv-brn, even bdg, exc comp, few gry sd strg, gry tuf strg @ 1691.2'
1691.7	1693.85	H	OSh, dk brn-blk, even bdg, exc comp, lo dns.
1693.85	1696.1	M	OSh, med brn to med gry-brn, even bdg, fr comp.
1696.1	1697.0	M	OSh, dk brn-blk, even bdg, q-exc comp.
1697.0	1701.35	L-M	OSh, med gry-brn, even bdg, fr comp, mod arg.
1701.35	1707.55	M	OSh, med to dk gry-brn, even bdg, fr comp, mod arg, num pl a cly ptgs, mod dess.
1707.55	1713.15	M-H	OSh, dk gry-brn w/ tn mrly bnds, even bdg, fr-q comp, arg.
1713.5	1730.5	~~0~~	SS w/ intbd s/ltstn & sh; SS, med gry, vf-m gr, p srtd, hd, dns, v calc; abnt tan elong mrlstn clsts; abnt slty cly strgs; SS, vf-f gr, gry to tan, mas; Sh, med grn-gry, slty, frly hd w/ sd strks; thn intbd mas gry s/ltstn; OSh strgs, num asph s/d fracs.
1730.5	1733.1	VL	OSh, lt gry-brn to brnsh-gry, even bdg, q comp.
1733.1	1736.9	M	OSh, med olv-brn, lt brn, tan & grn-brn, bnd, even bdg, q-exc comp, s/ arg.
1736.9	1738.3	M	OSh, med-dk brn, even bdg, fr comp, pl a ptgs.
1738.3	1739.9	L-M	OSh, dk gry-brn, even bdg, fr comp, s/ dess.
1739.9	1751.25	~~0~~-VL	Sh, dk brnsh-blk, even bdg, v p comp, hry dess, trc kero cntnt; smooth plastic-like brks, tr gil fos on & brks, "Garden Gulch" shale, "pkr chp" ptgs com, trc offset bdg; ireg vert sd strgs 1751.0-1751.25'
1751.25	1752.15	~~0~~	SS, lt gry, vf-m gr, ireg bdg, calc, frly dns.
1752.15	1755.5	L-M	OSh, med brn to med gry-brn, even w/ loop bdg, q comp, dess com.
1755.5	1762.15	L	OSh, med to dk gry-brn, even bdg, p comp, hry dess, "GG" sh ptgs.
1762.15	1765.6	VL	OSh & SS intbd; OSh, lt gry-brn to lt brn, even bdg, q comp, intbd gry vf gr SS.
1765.6	1775.55	M	OSh, med gry-brn to dk brnsh-blk, even bdg, p-fr comp, arg, dess com, num pl a "pkr chp" ptgs, num gsy cly bnds, "GG" OSh.
1775.55	1777.3	VL	OSh, lt brn & lt grnsh-brn, even bdg, p comp.
1777.3	1780.25	VL	OSh & SS intbd, OSh, lt brn to tan, even bdg, SS, lt gry, vf gr, strks, strgs & burrows.

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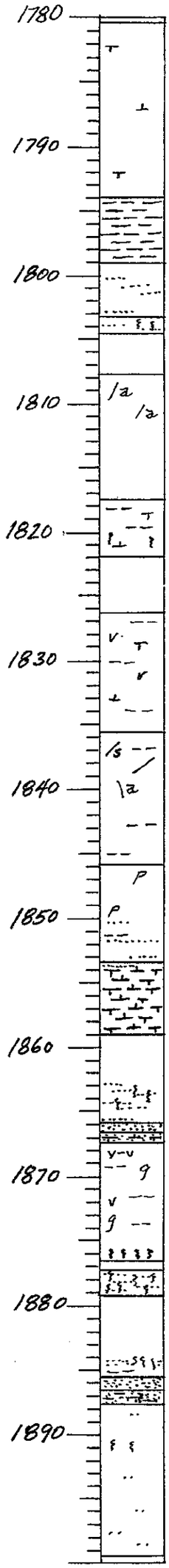

From	To	Grade ~~Thick.~~	
1780.25	1794.0	VL	OSh, lt brn to dk gry-brn, even bdg, p comp, abnt p/a "pkr chp" ptgs, hry dess; few tan mrly bnds; .20' ld ss 1783.8-1784.0'.
1794.0	1799.0	O-VL	Sh, dk brn sh-gry, even bdg, vp comp, num p/a "pkr chp" ptgs, "GG" sh, Tr Kero.
1799.0	1803.05	L-M	OSh, lt brn, even bdg, g-exc comp, lt gry sd strg com, tr dess.
1803.05	1804.5	L-M	OSh, lt brn, even bdg, g comp, sd strg, burrows.
1804.5	1807.8	VL	OSh, med to dk gry-brn, even bdg, vp comp.
1807.8	1817.5	O-VL	Sh, med to dk brn sh-gry, even bdg, vp comp, "GG" sh, v arg, sev frac zds.
1817.5	1822.0	M	OSh, med olv-brn & lt olv-brn to med gry-brn, even w/ loop bdg, p comp, "GG" sh ptgs.
1822.4	1826.4	L	OSh, med to dk brn sh-gry, even bdg, vp comp, hvy dess, "GG" sh ptgs.
1826.4	1835.5	L-M	OSh, med gry-brn, even bdg, p comp, num smooth p/a "GG" ptgs. num gry cly bnds, few thn tuf bnds, few tan mrly bnds; calc sld fracs com.
1835.5	1845.8	M-H	OSh, dk brn-blk & med brn, bnd, even bdg, fr comp, sl arg, abnt gry cly bnds; few p/a ptgs.
1845.8	1853.3	M	OSh, lt olv-brn, even bdg, g comp, sl arg, fr dess, few dk gry pyr strg; num vf gr ss strgs.
1853.3	1859.0	O	Mrlstn, lt grn sh-brn, even bdg, p-fr comp, arg, mod calc, num gry vf gr sd strg 1853.4-1853.65', few fracs.
1859.0	1865.95	M	OSh, tan, even bdg, g comp, from 1862.75-1864.7 sdy strg, lam & burrows.
1865.95	1866.65	O	SS, mas, gry, vf gr, psrtd, mrly strg, mod calc.
1866.65	1867.45	O-VL	Mrlstn & SS, intmxd, lt tan w/ gry strg.
1867.45	1876.4	M	OSh, lt to med brn, even bdg, g comp, tough, sl bent, fr gil strks, cly strg, few asp tuf strg, few fracs; vert sd strg (burrows) 1875.95-1876.15'.
1876.4	1877.1	L	OSh, lt brn to tan, even bdg, g comp.
1877.1	1879.15	L	OSh w/ abnt sd strg, lt brn, even to ireg bdg.
1879.15	1885.65	M-H	OSh, dk brn to dk gry-brn, tan bnds; even bdg, fr comp, frly lo dns, dess com, mod arg, num "GG" p/a ptgs, few vert sd strg (burrows).
1885.65	1886.65	O	SS, lt gry, vf gr, mas, v calc, arg, clyst clsts.
1886.65	1887.7	O	Sh & SS, intbd; med & lt gry, slty, wvy bdg.
1887.7	1899.45	M-H	OSh, med mah-brn, even bdg, fr-g comp, lo dns, dess com, sl arg, p/a ptgs, frc sdy blebs & ireg sd strg (burrows).

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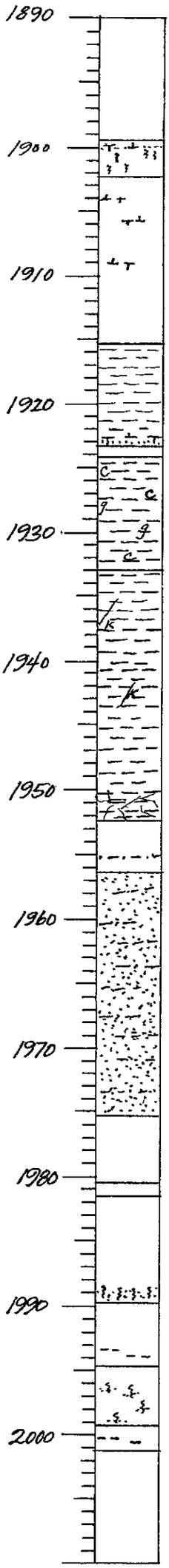

From	To	Thick.	
1899.45	1902.2	M	OSh, med brn, even to ireg bdg, g-exc comp, frly tough, sd strg (burrows).
1902.2	1915.3	L-M	OSh, dk brn-blk w/ sev tan bnds, even bdg, fr-g comp, few ptgs, sl tough, grds to "GG" Sh, v arg, sev fracs w/ kao & sks.
1915.3	1923.3	θ-VL	Sh, lt brnsh-gry, even bdg, p-fr comp, num ptgs & low % fracs w/ sks, v gsy, bent; tr Kero cntnt. 1922.45'-1923.0' tan, mrly OSh; 1923.0-1923.3' mas, lt gry, vf gr ss.
1923.3	1924.1	M	OSh, med brn & lt brn, even to ireg bdg, fr comp.
1924.1	1933.0	θ-VL	Sh, dk brnsh-gry, even bdg, vp comp, hvy dess, "GG" Sh, gil tbs on & brks, cly ptgs; lt gry-brn mrly bnds, wht calc strgs.
1933.0	1952.8	θ	Sh, dk brnsh-gry to blk w/ thn lt gry mrly bnds & strg, vp comp, hvy dess, v sft, bent, tr Kero, tr offset bdg, num gry cly bnd, num fracs w/ op, fib CO_3; .60' loss 1949.4-1950.0'.
1952.8	1956.4	VL	OSh, lt grnsh-brn to olv-brn, even bdg, p comp, dess com, gsy, bent, sl-mod calc bnds.
1956.4	1975.4	θ	SS, vf gr w/ f-m gr, lt gry, mas w/ planar & ireg bdg, fr comp, prly srtd, v arg, asph in pl's, mod-v calc, frly sft, v dirty, m/c; abnt intbd slty & shly bnds & strgs, abnt fracs; tr wht op, rad, fib CO_3.
1975.4	1980.5	VL	OSh, med to dk grnsh-brn, even bdg, fr comp, arg, hvy dess, tr loop bdg, grd ctc w/ fail OSh.
1980.5	1981.65	M	OSh, med brn, even bdg, g comp.
1981.65	1989.65	L-M	OSh, lt brn to tan, even w/ some loop bdg, g-exc comp, gry sdy strg com; ireg, vert sd strg's (burrows) 1988.7-1989.4'.
1989.65	1994.6	H	OSh, med to dk mgh-brn & dk olv-brn, even w/ tr loop bdg, g comp, frly lo dns, few gry cly bnds.
1994.6	1999.3	M	OSh, lt brn, even to loop bdg, g comp, tough, vert ireg sd strg's (burrows).
1999.3	2001.25	H	OSh, med brn & dk mgh-brn, fntly bnd, even bdg, g comp, lo dns, tough, cly strg's.

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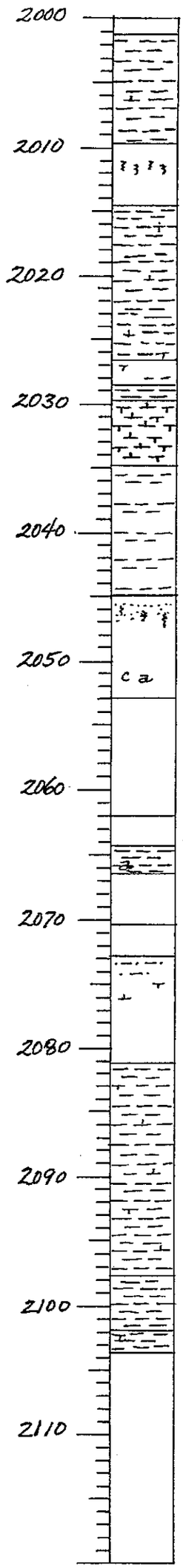

From	To	Thick.	
2001.25	2009.6	0	Sh, dk gry-blk, even bdg, fr comp, Tr Kero cntnt, hvy dess, "GB" disc'l-type, shly ptgs, abnt crumbly cly bnds; few tan mrly bnds; grd ctt w/ fall OSh.
2009.6	2014.55	M	OSh, med brn to dk brn-blk, even to loop bdg, p comp, sl arg, num pla ptgs, dess com, num fr dcs, vert sd strg (burrows).
2014.55	2026.7	0	Sh, dk gry-brn to blk, even bdg, vp comp, tr Kero cntnt; sl bndg w/ thn lt gry mrlstn bnds & strg; num pla plastic-like ptgs; num gry cly bnds, sev rbbl zns.
2026.7	2028.5	L-M	OSh, med olv-brn, even bdg, p comp, hvy dess, v arg, few mrlstn & cly bnds.
2028.5	2029.7	0	Sh, dk brnsh-gry, even bdg, vp comp, hvy dess.
2029.7	2034.9	0-VL	Mrlstn, lt gry-brn to tan, even bdg, fr comp, arg, fr'ly tough, few gry cly strg & bnds.
2034.9	2045.0	VL	Sh & OSh, intbd; Sh, gry & OSh med olv-brn, bnd, even bdg, vp comp, num shly ptgs.
2045.0	2053.0	M	OSh, lt brn to tan, even to loop bdg, w/ med mah-brn bnds, g-exc comp, tough; gry vfgr ss w/ vert strgs (burrows) from 2046.7-2047.35'.
2053.0	2062.0	VH	OSh, med to dk brnsh-blk, even bdg, p-fr comp, v lo dns, tr offset bdg; fr acs w/ SKS.
2062.0	2064.3	0-VL	OSh, lt & med brn, bnd, even bdg, vp comp.
2064.3	2066.5	0	Sh, med to dk brnsh-gry, even bdg, vp comp.
2066.5	2070.4	VL	OSh, med to dk gry-brn, even bdg, vp comp.
2070.4	2072.8	M-H	OSh, dk brn-blk, thn gry-brn strg, even to loop bdg, vp comp, fnly bnd, few offset bdg zns.
2072.8	2081.2	M-H	OSh, lt brn & med mah-brn, bnd, even to loop bdg, fr comp, fr'ly tough, few lt gry slty cly bnds; mrly from 2075.5-2076.5'.
2081.2	2097.9	0	Sh, dk brnsh-gry, even bdg, vp comp, bkly brkn, num ptgs, num crumbly zns, v gsy, bent; core loss 2082.75'-2083.75'; num lt gry, mrly bnds & strgs; few hd tight dolomitic bnds.
2097.9	2101.9	0-VL	Sh, lt brn to tan, even bdg, vp comp, v arg, sl calc, brit; num gry cly bnds.
2101.9	2103.5	0	Sh, dk brnsh-gry, even w/ offset bdg, vp comp.

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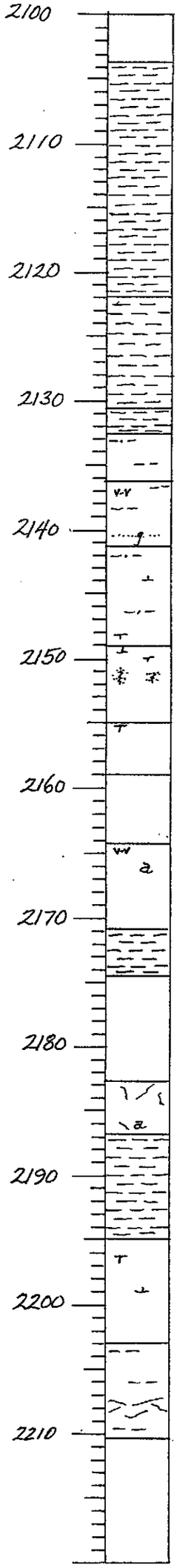

From	To	Thick.	
2103.5	2122.0	θ	Sh, med grn-gry, even bdg, vp comp, sft, qsy, crumbly, bent, few lt gry cly bnds, abnt "pkr chp" ptgs.
2122.0	2130.5	θ	Sh, dk gry to blk, even bdg, vp comp, sft, qsy, "GG" shly ptgs, bent, few lt gry cly bnds.
2130.5	2132.5	θ	Sh, dk brn-blk, even bdg, vp comp, tr kero cntnt.
2132.5	2136.2	VL	OSh, lt gry-brn to tan, even w/ abnt offset bdg, p comp, brit, v mrly, hvy dess.
2136.2	2141.3	L-M	OSh, dk brn-blk, even bdg w/ abnt offset bdg, vp comp, lt tan bnds & gry slty cly bnds.
2141.3	2149.0	L	OSh, med to dk gry-brn, even bdg, vp comp, v arg, v crumbly, hvy dess, "GG" shly ptgs, few slty bnds, few mrly bnds.
2149.0	2155.0	M-H	OSh, lt brn to med gry-brn, even bdg, p comp, frly lodns, sl bl as, num smooth pla ptgs w/ gil repl fos; few dolo strg & bnds.
2155.0	2159.0	M	OSh, lt brn to tan & med o/v-brn, sl bnd, even bdg w/ abnt lobp & offset, fr comp, tough.
2159.0	2164.3	VH	OSh, dk brn-blk w/ few tan bnds, even bdg, q comp, tough, elas.
2164.3	2170.9	L-M	OSh, lt tan & med gry-brn, bnd, even bdg, vp comp; abnt ptgs some w/ gil fos; dess com.
2170.9	2174.7	θ-VL	Sh, dk gry to blk, even bdg, vp comp, frly sft, num ptgs, tr kero cntnt.
2174.7	2182.75	VL	OSh, dk brn-blk to gry-blk, even bdg, vp comp, hvy dess, arg, abnt pla "pkr chp" ptgs, grd cte w/ foll osh.
2182.75	2186.75	M-H	OSh, dk brn-blk w/ tan bnds, even bdg, vp comp, frly lodns, num fracs some w/ sks.
2186.75	2195.0	θ-VL	Sh, dk brn-blk, even bdg, vp comp, sft, tr kero cntnt, abnt pla ptgs w/ sks, num mrly bnds & strgs.
2195.0	2203.0	L	OSh, dk gry-brn & dk gry, bnd, even bdg, vp comp; num gry slty cly bnds; num pla "pc" ptgs; few tan mrly bnds w/ vert asph fracs; hvy dess.
2203.0	2210.2	θ-VL	OSh, lt gry-brn, even bdg, vp comp, v arg; abnt lt gry slty cly bnds; num sft crumbly zns; sev lo & fracs w/ sks; highly frac 2207.7-2208.5'.

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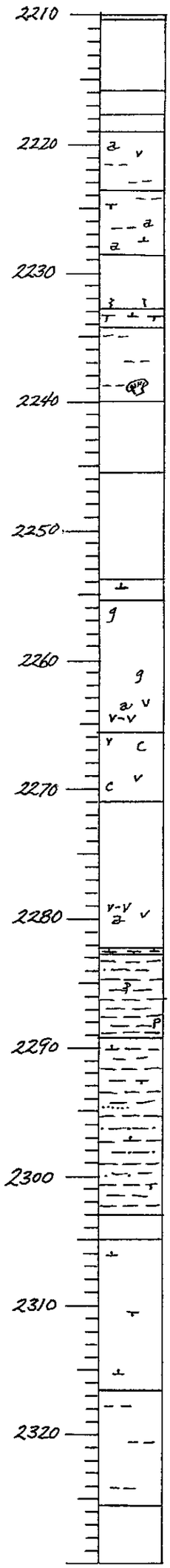

From	To	Thick.	
2210.2	2215.9	M-H	OSh, med olv-brn to med mah-brn, even to loop bdg, p comp, lo dns, frly elas, frly tough.
2215.9	2217.7	M	OSh, dk brn-blk, even w/ tr loop bdg, fr comp.
2217.7	2219.0	M	OSh, dk brn & tan, bnd, even bdg, fr-g comp.
2219.0	2223.5	L-M	OSh, dk gry-brn to blk, even bdg, vp comp.
2223.5	2228.7	L	OSh, lt to med gry-brn, even bdg, vp comp, abnt "pc" ptgs; tan mrly bnds; gry cly bnds, orng ox cly strg @ 2227.15'.
2228.7	2232.7	M	OSh, dk brn-blk, even bdg, vp comp, arg, num "pc" ptgs, hvy dess, s/fly sdy strg (burrows).
2232.7	2234.3	L	OSh, dk brn-blk & mrlstn, int bd.
2234.3	2240.0	L	OSh, dk brn-blk, even bdg, vp comp, v arg; num pl a "pc" ptgs, frly sft; gsy; asp tuf blebs & strg; gry cly bnds, tr fresh water fos.
2240.0	2245.5	M-H	OSh, dk brn-blk, even bdg, fr comp, s/ brit to s/ elas, tr lt tan bnds.
2245.5	2253.8	L	OSh, dk brnsh-gry, even bdg, p-fr comp, s/ brit; abnt pl a "pc" ptgs 2245.5 - 2247.0.
2253.8	2255.5	VL	OSh, lt brn, even w/ tr loop bdg, fr comp, s/ mrly.
2255.5	2265.7	M-H	OSh, dk brn-blk, even bdg, fr comp, frly lo dns; tr gil strg, few pyr blebs; tr brn asp tuf bnds.
2265.7	2271.0	M	OSh, dk brn-blk & tan, bnd, even to ireg bdg, fr-g comp, frly lo dens, tough; tr asp tuff gil strg; tr calc blebs & strg.
2271.0	2282.2	M	OSh, med to dk gry-brn w/ scat lt tan bnds, even bdg, s/ arg, s/-mod dess; "pc" ptgs com; scat fracs w/ sks; tr asp tuf bnds.
2282.2	2282.7	VL	Mrlstn, tan, m as, vp comp, hd.
2282.7	2289.1	O-VL	Sh, dk brnsh-gry to blk, even bdg, vp comp, sft, abnt pl a "pc" ptgs, tr kero, tr pyr.
2289.1	2303.3	O-VL	Sh, dk gry-blk, even bdg, vp comp, v sft, crumbly, fis, num "pc" ptgs, highly brkn; few gry mrly bnds & strg; few zns of s/ calc, vf gr ss; few s/ltstn bnds & strg, grd cft w/ foll osh.
2303.3	2305.0	L	OSh, med gry-brn, even to loop bdg, vp comp.
2305.0	2316.6	M	OSh, dk brn-blk, even bdg, vp comp, arg, frly sft & s/ elas; few tan mrly bnds.
2316.6	2325.4	L-M	OSh, dk brn-blk, even bdg, p comp, abnt pl a "pc" ptgs; frly sft, few sft, fis cly strg.

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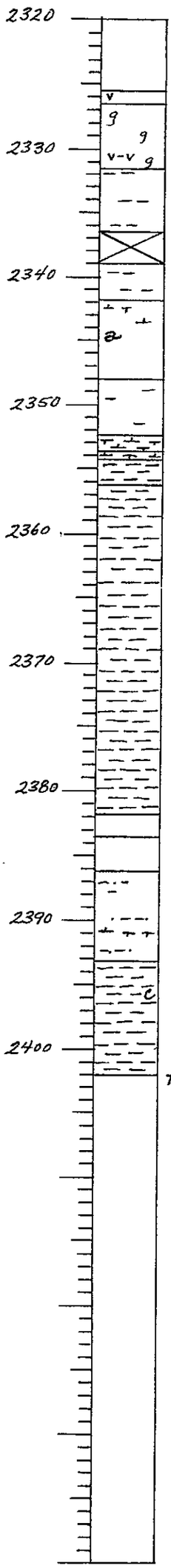

From	To	Thick.	
2325.4	2326.6	M	OSh, dk brn-blk, even bdg, fr comp, sl arg.
2326.6	2331.5	H	OSh, dk brn-blk, strk bdg, g cbmp, tough, elas, abnt gil strg.
2331.5	2341.8	L	OSh, dk brnsh-blk, even bdg, p comp, arg, num gry cly bnds, "pc" ptgs;
			core loss (mis/atch) 2336.6 - 2339.0.
2341.8	2348.0	L-M	OSh, med to dk gry-brn, even bdg, fr comp; sl arg, sev tan mrly bnds: 2344.0 - 2348.0 vp comp w/ fracs & "pc" ptgs.
2348.0	2352.3	L	OSh, dk gry-brn & lt brn, bnd, even bdg, fr comp, sl arg, gry cly strg com.
2352.3	2353.65	~~0~~	Mrlstn, tan, even bdg, g comp, brit.
2353.65	2354.3	~~0~~	Mrlstn, tan & lt grnsh-gry, even bdg, sl bnd, g comp.
2354.3	2356.1	0-VL	Sh, dk gry-brn, even bdg, vp comp; dess com.
2356.1	2381.8	0-VL	Sh, lt brnsh-gry, even bdg, vp comp; num gry sft cly strg & bnds; few tan mrlstn bnds, num brks w/ sks, grd etc w/ foll OSh.
2381.8	2383.5	VL	OSh, med mah-brn & lt gry, bnd, even bdg, vp comp.
2383.5	2386.1	M	OSh, med mah-brn, even bdg, exc comp.
2386.1	2393.2	VL	OSh, med gry-brn, even bdg, vp comp; v arg, abnt pl a "pc" ptgs; abnt lt gry sl/ty cly bnds & strgs.
2393.2	2402.0	0-VL	Sh, med brnsh-gry, even bdg, vp comp; abnt "pc" ptgs, v sft, gsy, bent.
2402.0			Total Depth