CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company PHILLIPS PETROLEUM CO. Formation _____ File UKCA 447
Well 2/4-7X Core Type _____ Date Report 10.10.71.
Field _____ Drilling Fluid _____ Analysts R.F.B.
County _____ State _____ Elev. _____ Location _____

Lithological Abbreviations

SAND - SD | DOLOMITE - DOL | ANHYDRITE - ANHY | SANDY - SDY | FINE - FN | CRYSTALLINE - XLN | BROWN - BRN | FRACTURED - FRAC | SLIGHTLY - P
SHALE - SH | CHERT - CH | CONGLOMERATE - CONG | SHALY - SHY | MEDIUM - MED | GRAIN - GRN | GRAY - GY | LAMINATION - LAM | VERY - V/
LIME - LM | GYPSUM - GYP | FOSSILIFEROUS - FOSS | LIMY - LMY | COARSE - CSE | GRANULAR - GRNL | VUGGY - VGY | STYLOLITIC - STY | WITH - W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS Horiz. Ka	PERMEABILITY MILLIDARCYS Horiz. K1	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	Vertical Perm. Ka	Vertical Perm. K1	Grain Density	Remarks
CORE NO. 1										
	10406	0.17	0.10	21.7					2.67	Calc, lt/dk g fg, few frac & dk incl.
	10408	0.08	0.04	19.9					2.67	
	10410	0.11	0.07	21.7					2.67	AA & dk oval round particles.
	10412	0.12	0.07	21.0					2.68	AA whiter te fg.
	10414	0.17	0.10	12.2					2.73	AA & arg.
	10416	0.03	0.02	14.2					2.72	AA
	10418	0.03	0.02	17.3					2.68	AA
	10420	0.06	0.03	15.7					2.67	Calc, lt/dk g fract end.
	10422	0.28	0.17	22.7					2.69	Calc, wh/gy text, fg, st jnts +.
	10424	+	+	9.0					2.69	AA no sty.
	10426	0.01	+	11.9					2.69	AA
	10428	0.01	+	12.1					2.70	AA
	10430	0.01	+	10.1					2.70	AA
	10432	0.01	+	10.4					2.69	AA
	10434	+	+	6.4					2.68	AA
	10436	0.01	+	9.2					2.69	AA
	10438	0.01	+	12.6					2.71	Calc, fg, st jnts, lt gy.
	10440	0.01	+	5.4					2.68	Calc, dk gy, fg, arg.
CORE NO. 2										
	10445	0.16	0.09	20.6					2.73	AA

CORE LABORATORIES. INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File UKCA 447 Page No. 2

Well 2/4-7X

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Vertical Perm.		Grain Density	Remarks
					OIL	TOTAL WATER				
		Ka	Kl				Ka	Kl		
CORE NO.2 (Continued)										
	10447	0.06	0.03	19.1					2.70	Soft chky lst, fg, sty, jnts + veins.
	10449	0.04	0.02	17.5					2.71	AA fewer sty.
	10451	0.07	0.04	23.6					2.71	AA
	10453	0.12	0.07	23.3					2.72	AA
	10455	0.13	0.08	21.3					2.71	AA
	10457	0.13	0.08	24.8					2.71	AA
	10459	0.16	0.09	24.2					2.73	AA
	10461	0.12	0.07	21.1					2.72	AA
	10463	0.07	0.04	20.3					2.72	AA
	10465	0.12	0.07	24.0					2.72	AA
	10467	0.16	0.09	21.2					2.74	AA
	10469	0.04	0.02	11.7					2.75	AA
	10471	0.15	0.09	21.3					2.73	Chky, lst, lt gy, h fg & arg inclusions
	10473	0.10	0.06	19.6					2.73	AA
	10475	0.08	0.04	19.8					2.73	AA
	10477	0.08	0.04	18.4					2.73	AA
	10479	0.03	0.02	20.9					2.72	AA
	10481	0.09	0.05	23.2					2.72	Lst, bf/wh, numerou dk diffuse veins
CORE NO. 3										
	10483	0.04	0.02	18.4					2.72	Lst, dull white, fg fg.
	10485	0.11	0.07	22.5					2.73	AA
	10487	0.08	0.04	19.6					2.71	AA
	10489	0.06	0.03	23.5					2.72	AA
	10491	0.04	0.02	24.4					2.72	AA
	10493	0.07	0.04	20.9					2.72	AA
	10495	0.09	0.05	20.4					2.73	AA
	10497	0.01	+	11.4					2.70	Lst, dull wh, fg, dense & dk & diff, arg inclusions.

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	Vertical Perm. Ka	Kl	Grain Density	Remarks
CORE NO. 3 (Continued)										
	10499	0.01	+	14.2					2.70	Lst, dull wh, fg, dense & dk diff, arg inclusions.
	10501	0.01	+	14.2					2.71	AA
	10503	0.02	0.01	13.4					2.71	AA
	10505	0.01	+	14.2					2.70	AA
	10507	0.03	0.02	16.0					2.72	AA
	10509	0.04	0.02	14.1					2.70	AA
	10511	0.04	0.02	17.1					2.70	Chky lst, dense, wh fg & dk arg.
	10513	0.07	0.04	18.3					2.70	AA & rounded elongated particles
	10515	0.06	0.03	12.8	0	95.3			2.70	AA
	10517	0.06	0.03	16.9					2.71	AA
	10517'6"	SELECTED FOR WHOLE CORE ANALYSIS								
	10518	0.04	0.02	18.3					2.70	AA
	10520	0.06	0.03	11.8	55.9	23.7			2.68	AA
	10522	0.06	0.03	19.9					2.71	AA
	10524	0.02	0.01	14.1					2.70	AA
	10526	0.10	0.06	21.5					2.72	AA
	10528	0.16	0.09	17.0					2.70	AA less arg materi
	10530	0.09	0.05	21.5					2.71	AA dk elongated/ round particles.
CORE NO. 4										
	10532	0.04	0.02	20.2					2.71	AA
	10534	0.06	0.03	19.8					2.67	Chky, fg & many f sty jnts.
	10536	0.04	0.02	20.9					2.72	Chky, off-wh, fg.
	10538	0.07	0.04	19.6					2.72	AA
	10538'6"						0.08	0.05		
	10540	0.17	0.10	20.6					2.70	AA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	Vertical Perm, Ka	Kl	Grain Density	Remarks
CORE NO. 4 (Continued)										
	10542	0.03	0.02	12.1					2.69	Chky, gy/wh, fg + numerous fossil burrows, irreg with whiter infill fg.
	10544	SELECTED FOR WHOLE CORE ANALYSIS								
	10546	0.06	0.03	15.4					2.70	Chky, lt/dk gy, fg + sty jnts.
	10548	0.02	0.01	13.0					2.69	Chky, lt/dk gy, fg, frac sub vert.
	10550	0.03	0.02	13.3					2.69	Chky, lt/dk gy, fg.
	10552	0.02	0.01	13.3					2.69	AA + random arg mat
	10554	0.02	0.01	15.3					2.71	Chky, lt/dk gy, fg.
	10556	0.06	0.03	19.1	0	97.4			2.71	AA inclusions dkr & more widespread.
	10558	0.04	0.02	18.2					2.72	AA
	10560	0.03	0.02	18.1					2.69	AA
	10562	0.08	0.04	17.6					2.70	AA
	10564	0.10	0.06	19.7					2.71	AA + imprints - burrows?
	10566	0.09	0.05	21.7					2.71	AA - no imprints.
	10568	0.03	0.02	15.8					2.72	AA
	10570	0.06	0.03	19.4					2.70	Chky, gy, fg, particles.
	10572	0.02	0.01	14.3					2.71	AA
	10574	0.02	0.01	14.1					2.67	AA + clear imprints
	10576	0.02	0.01	5.2					2.70	AA + clear imprints
	10578	0.02	0.01	9.7					2.72	AA & dk gy arg particles.
CORE NO. 5										
	10580	0.04	0.02	15.8					2.70	Chky, off-wh & dk gy particles.
	10582	0.03	0.02	16.8					2.70	AA softer.
	10584	0.07	0.04	16.8					2.69	AA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Horizontal PERMEABILITY MILLIDARCYS Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	Vertical Perm. Ka	Vertical Perm. Kl	Grain Density	Remarks
CORE NO. 5 (Continued)										
	10586	0.04	0.02	15.8					2.70	Chky, off-wh & dk gy particles.
	10588	0.03	0.02	10.8					2.69	AA
	10590	0.02	0.01	11.0					2.69	AA
	10592	0.04	0.02	6.4					2.64	Chky, gy- fg, + arg particles (inclusions)
	10594	0.04	0.02	14.4					2.67	AA
	10596	0.08	0.04	19.4					2.71	AA
	10598	0.02	0.01	12.1					2.69	AA
	10600	0.07	0.04	18.4					2.70	AA + many hairline fracs.
	10602	0.02	0.01	11.8					2.68	Chky, gy/wh, fg, dense
	10604	0.02	0.01	12.0					2.69	AA
	10606	0.06	0.03	18.3					2.70	AA
	10608	+	+	13.4					2.69	AA
	10610	0.01	+	13.4					2.69	AA
	10612	+	+	8.3					2.66	AA darker.
	10614	+	+	19.0					2.71	AA
CORE NO. 6										
	10631	+	+	3.1					2.67	AA darker.
	10633	+	+	11.1					2.68	AA
	10635	0.02	0.01	16.7					2.70	AA
	10637	0.01	+	13.7					2.69	AA
	10639	0.04	0.02	18.5					2.68	AA
	10641	0.03	0.02	17.2					2.70	AA
	10643	+	+	4.7					2.68	AA
	10645	+	+	1.7					2.67	AA darker.
	10647	+	+	9.8					2.69	AA
	10649	0.03	0.02	17.1					2.70	AA
	10651	0.06	0.03	18.5					2.70	AA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Horizontal PERMEABILITY MILLIDARCYS Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	Vertical Perm. Ka	Vertical Perm. Kl	Grain Density	Remarks
CORE NO. 6 (Continued)										
	10653	0.03	0.02	11.4					2.70	Chky, gy/wh, fg, dense.
	10655	0.03	0.02	19.4					2.71	AA + arg incl.
	10657	0.04	0.02	18.8					2.70	AA
	10659	0.02	0.01	13.1					2.70	AA
CORE NO. 7										
	10671	0.04	0.02	16.4					2.69	AA gy-dk gy.
	10673	0.08	0.04	17.5					2.71	AA
	10675	0.03	0.02	14.6					2.71	AA
	10677	0.09	0.05	19.2					2.71	AA
	10679	0.04	0.02	14.7					2.70	AA
	10681	0.07	0.04	16.5					2.71	AA
	10683	0.04	0.02	16.4					2.71	AA
	10685	0.08	0.04	16.3			0.06	0.03	2.66	AA
	10687	0.04	0.02	15.5					2.70	AA
	10689	0.03	0.02	14.2					2.71	AA
	10691	+	+	8.0					2.73	AA
	10693	0.02	0.01	7.6					2.70	AA
	10695	0.04	0.02	15.0					2.70	AA gy/wh.
	10697	SELECTED FOR WHOLE CORE ANALYSIS.								
	10699	0.02	0.01	5.0					2.68	AA
	10701	0.06	0.03	11.8					2.70	AA + dk arg incl - imprints (burrows)
	10703	0.07	0.04	19.5					2.69	Chky, off-wh, fg, dense.
	10705	0.01	+	12.0					2.68	AA
	10707	0.01	+	10.5					2.725	AA but gy/wh.
CORE NO. 8										
	10708	0.01	+	2.2					2.71	AA lt/dk gy.
	10710	+	+	7.8					2.70	AA + dk inclusion imprints & burrow

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Vertical Perm.		Grain Density	Remarks
					OIL	TOTAL WATER				
		Ka	Kl				Ka	Kl		
CORE NO. 8 (Continued)										
	10712	0.01	+	13.4					2.68	Chky, lt/dk gy, fg, dense.
	10714	0.01	+	13.4					2.68	AA + dk inclusions in lines.
	10716	+	+	14.6					2.69	Chky, lt/dk gy/wh, fg, dense.
	10718	0.01	+	7.5					2.70	AA
	10720	0.01	+	17.4					2.68	AA
	10722	0.01	+	9.7					2.70	AA
	10724	0.01	+	17.0					2.71	AA
	10726	0.02	0.01	15.7					2.71	AA
	10728	+	+	7.7					2.69	AA + lines of dk inclusions.
	10730	0.01	+	10.5					2.70	AA
	10732	+	+	9.9					2.70	AA
	10734	+	+	7.3					2.68	AA
	10736	0.01	+	6.4					2.68	AA
	10738	0.01	+	5.9					2.67	AA
	10740	+	+	6.4					2.66	AA
	10742	+	+	6.4					2.68	AA
	10744	0.01	+	15.9					2.69	AA
	10746	0.01	+	9.1					2.71	AA
	10748	0.04	0.02	16.5					2.71	AA
	10750	+	+	6.3					2.70	AA
	10752	0.01	+	8.9					2.69	AA
	10754	+	+	10.5					2.67	AA
	10756	0.01	+	6.9					2.65	AA
	10758	0.01	+	5.1					2.66	AA
	10760	+	+	6.8					2.69	AA + wh/gy.
	10762	+	+	9.1					2.68	AA + arg inclusions
	10764	0.07	0.04	4.6					2.67	AA
	10766	0.01	+	9.9					2.66	AA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	Vertical Perm. Ka	Kl	Grain Density	Remarks
CORE NO. 9										
	10767	0.01	+	9.3					2.67	Chky, lt/dk gy/wh, fg, dense.
	10769	0.01	+	5.4					2.68	AA
	10771	0.01	+	13.4					2.68	AA + arg inclusions
	10773	+	+	9.0					2.67	AA
	10775	SELECTED FOR WHOLE CORE ANALYSIS								
	10779	0.01	+	14.4					2.69	AA
	10781	0.01	+	12.2					2.69	AA whiter, imprints at one end.
	10783	0.01	+	8.7					2.69	AA
	10785	+	+	7.6					2.69	AA
	10787	+	+	7.9					2.69	AA + dk inclusions
	10789	+	+	6.5					2.69	AA
	10791	+	+	10.3					2.71	AA much arg inclusions.
	10793	0.01	+	7.7					2.69	AA much arg inclusions.
	10795	+	+	7.3					2.68	AA many arg inclusions.
	10797	0.01	+	2.6					2.69	AA v dense.
	10799	0.01	+	2.0					2.69	Chky, lt/dk gy + arg, fg.
	10801	0.01	+	1.4					2.68	AA
	10803	0.01	+	2.7					2.66	AA
	10805	0.01	+	1.4					2.67	AA
	10807	0.01	+	1.1					2.60	AA
	10809	0.01	+	0.6					2.67	AA
	10811	0.02	0.01	5.8					2.66	AA
	10813	0.01	+	0.3					2.60	AA
CORE NO. 10										
	10814	0.01	+	1.4					2.65	Chky, lt gy/wh, fg. dense
	10815	0.01	+	Less than 0.1					2.63	AA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	Vertical Perm. Ka	Kl	Grain Density	Remarks
CORE NO. 10 (Continued)										
	10816	0.02	0.01	0.4					2.60	Chky, lt gy/wh, fg dense.
	10817	0.01	+	2.2					2.67	AA
	10818	0.03	0.02	1.2					2.66	AA
	10819	0.01	+	0.8					2.68	AA
	10820	+	+	0.9					2.69	AA + sty jnts & arg
	10821	0.01	+	3.4					2.70	AA gy.
	10822	+	+	0.6					2.71	AA lt/dk gy.
	10823	0.01	+	4.4					2.72	AA
	10824	0.12	0.07	13.4					2.71	AA
	10825	0.12	0.07	16.0					2.70	AA + fine arg sty.
	10826	0.15	0.09	15.3	22.5	27.1			2.72	AA lt gy.
	10827	0.06	0.04	7.0					2.72	AA fine arg sty.
	10828	SELECTED FOR WHOLE CORE ANALYSIS								
	10829	+	+	0.6					2.69	AA
	10830	0.01	+	3.6	0.0	91.8			2.68	AA off-white.
CORE NO. 11										
	10874	SELECTED FOR WHOLE CORE ANALYSIS								
	10875	1.2	0.8	22.7					2.69	Chky, gy/wh, fg, arg inclusions.
	10876	1.1	0.7	22.3	13.5	43.5			2.72	AA off-white.
	10877	18	15	23.0					2.69	AA + fine arg sty.
	10878	3.1	2.2	21.6					2.72	AA + fine arg sty.
	10879	0.4	0.2	20.0	19.2	54.9			2.71	AA + dk hair line frac.
	10880	0.2	0.1	12.3					2.68	AA
CORE NO. 12										
	10904	0.01	+	4.3					2.71	Chky, gy/wh, fg + long arg inclusions
	10904'11"						0.40	0.26		
	10905	0.2	0.1	15.9					2.72	AA no inclusions
	10906	0.3	0.2	14.3	22.5	24.0			2.68	AA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Horizontal PERMEABILITY MILLIDARCYS Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	Vertical Perm. Ka	Vertical Perm. Kl	Grain Density	Remarks
CORE NO. 12 (Continued)										
	10907	0.4	0.3	19.1					2.72	Chky, off-white, fg, + long arg inclusions
	10908	0.2	0.1	15.2					2.72	AA lt gy.
	10908'2"						+	+		
	10908'9"						+	+		
	10909	0.09	0.05	9.0					2.71	AA + dk sty.
	10910	0.02	0.01	9.0	7.8	68.8			2.71	AA no sty.
	10911	0.01	+	6.1					2.70	AA softer
	10912	0.03	0.02	8.5					2.71	AA softer
	10913	0.02	0.01	6.7					2.70	AA softer
	10914	0.2	0.1	15.1					2.71	AA softer
	10915	0.4	0.3	17.1					2.71	AA softer + arg inclusions in frac.
	10915'3"						0.04	0.02		
	10916	0.01	+	6.8					2.70	AA
	10917	0.02	0.01	8.1					2.70	AA very soft
	10918	0.06	0.04	11.3					2.71	AA
	10918'6"						0.10	0.06		
	10919	3.5	2.5	16.9					2.70	AA + arg sty abundant.
	10919'7"						0.13	0.08		
	10920	0.06	0.03	11.8					2.71	AA
	10921	0.6	0.4	19.4					2.71	AA
	10922	1.6	1.1	21.9					2.72	AA
CORE NO. 13										
	10935	0.5	0.3	19.7					2.73	Chky, gy/wh, fg, arg inclusions.
	10937	0.7	0.4	22.8					2.71	AA
	10939	4.0	2.9	18.7					2.71	AA
	10941	0.3	0.2	18.8	4.8	75.8			2.70	AA
	10943	0.04	0.02	10.2					2.71	AA + sty.

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	Horizontal PERMEABILITY MILLIDARCYS Ka	Horizontal PERMEABILITY MILLIDARCYS Kl	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	Vertical Perm. Ka	Vertical Perm. Kl	Grain Density	Remarks
CORE NO. 13 (Continued)										
	10945	0.07	0.04	12.0					2.69	Chky, gy/wh, fg, arg inclusions.
	10947	0.4	0.2	19.0					2.71	AA
	10949	0.3	0.2	17.1					2.71	AA largely clay.
	10949'3"						0.22	0.13		
	10951	0.2	0.1	16.5					2.73	AA largely clay.
	10953	0.3	0.2	8.9					2.70	AA largely clay.
	10955	0.3	0.2	16.2					2.73	AA largely clay.

+ INDICATES A PERMEABILITY VALUE OF LESS THAN 0.01 MILLIDARCIES.

File 2/4-7X
Core Analyses

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company PHILLIPS PETROLEUM CO — Formation — File UKCA 447
Well 2/4-7X — Core Type — Date Report 7.12.71
Field — Drilling Fluid — Analysts R.F.B.
County NORTH SEA — State NORWAY — Elev. — Location

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS Horiz Ka	Horiz K1	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	Vertical Perm. Ka	Vertical Perm. K1	REMARKS
3H	10,546'6"	0.056	0.03						Sub-horiz.healed discontinuous plane.
[illegible]	10,546'6"	0.067	0.04						Faint sub-horiz. healed plane.
1H	10,558'6"	0.123	0.07						Numerous discontinuous very fine shale laminae, generally horizontal.
1V	10,558'6"						0.0122	< 0.01	A.A.
1VB	10,558'6"						0.0122	< 0.01	A.A.
2H	10,720	0.0122	< 0.01						Faint sub-horiz. healed discontinuous plane.
7H	10,720	0.0122	< 0.01						Two faint sub-horiz.healed planes.
6H	10,721	0.0122	< 0.01						One faint horiz. healed plane.
4HB	10,721	0.0122	< 0.01						Two faint sub-horiz. discontinuous healed planes.
6V	10,721						0.0122	0.01	Two faint horiz. healed planes, one continuous, one discontinuous

The above plugs were drilled in addition to regular selected samples to study permeability effects of fine apparent cracks or laminae. Examination of plugs indicated apparent cracks were healed planes, possibly filled with calcite.

Sandblasting of core plug faces prior to permeability measurement showed these planes were harder than matrix material..

There is no evidence to suppose that such apparent cracks would either contribute or reduce permeability beyond matrix values.