

AGAT[®] Laboratories



FINAL CORE ANALYSIS REPORT

**PARAMOUNT et al CAMERON
C-75-60-10-117-15**

9211-P33-7-3

AGAT[®]

CORE SERVICES DIVISION

AGAT Laboratories
Core Services Division

FINAL CORE ANALYSIS REPORT

**PARAMOUNT et al CAMERON
C-75-60-10-117-15**

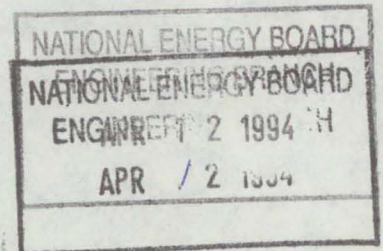
9211-P33-7-3

Prepared for:

PARAMOUNT RESOURCES LTD.

RC4549

April 1994



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AGAT LABORATORIES CORE SERVICES

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CORE ANALYSIS DATA

PARAMOUNT et al CAMERON
C-75-60-10-117-15

AGAT LABORATORIES

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W/O No: RC4549
Date: 94-04-06

FINAL CORE ANALYSIS DATA

[illegible]

COMPANY: PARAMOUNT RESOURCES LTD.
WELL: PARAMOUNT et al CAMERON
LOCATION: C-75-60-10-117-15
FORMATION: SULPHUR POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

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FINAL CORE ANALYSIS DATA

Sample	Interval (m)		Rep Thick (m)	Sample Length (m)	-----Gas Permeability-----			Porosity	Density (kg/m3)		Residual Saturation		Remarks
	Top	Base			Kmax (mD)	K90 (mD)	Vertical (mD)		Bulk	Grain	Oil	Water	
016	1426.43	1426.61	.18	.07	.50	.31	.13	.150	2420	2850	trc	.029	dol;vfxln
SP017	1426.61	1426.83	.22	-	.09	-	-	.117	2510	2850	.048	.020	dol;vfxln
SP018	1426.83	1426.91	.08	-	1.53*	-	-	.143	2430	2830	.189	.113	dol;vfxln;styl
NA	1426.91	1426.93	.02	-	-	-	-	-	-	-	-	-	sh
NA	1426.93	1427.02	.09	-	-	-	-	-	-	-	-	-	dol
019	1427.02	1427.18	.16	.07	2.30	1.11	.53	.160	2390	2850	.110	.155	dol;vfxln;vugs
SP003P	1427.18	1427.29	.11	-	.32	-	-	.131	2480	2850	.104	.210	dol;vfxln;vugs
020	1427.29	1427.67	.38	.13	3.06	1.53	2.33	.112	2520	2840	.033	.014	dol;vfxln;vugs
SP004P	1427.67	1427.80	.13	-	.58	-	-	.116	2510	2840	.066	.028	dol;vfxln;vugs
021	1427.80	1427.98	.18	.05	4.30	3.90	3.55	.142	2430	2830	.049	.021	dol;vfxln;vugs
022	1427.98	1428.15	.17	.12	.07	.06	.02	.094	2550	2820	.117	.148	dol;vfxln
023	1428.15	1428.36	.21	.10	.83	.25	.32	.117	2490	2820	.234	.158	dol;vfxln;vugs
NA	1428.36	1428.51	.15	-	-	-	-	-	-	-	-	-	dol;sh
024	1428.51	1428.66	.15	.06	3.18	3.06	1.94	.119	2500	2840	.204	.172	dol;vfxln;vugs
025	1428.66	1428.82	.16	.07	1.12*	.33	.07	.040	2730	2840	trc	.116	dol;vfxln;vrtl frac
026	1428.82	1428.98	.16	.10	3.69	3.69	.29	.101	2560	2850	.130	.055	dol;vfxln;p-pvugs
027	1428.98	1429.11	.13	.10	17.1	13.0	1.64	.126	2480	2840	.129	.027	dol;vfxln;vugs
028	1429.11	1429.34	.23	.09	.80	.63	.18	.079	2610	2840	.264	.032	dol;vfxln;vugs
SP005P	1429.34	1429.42	.08	-	3.08	-	-	.074	2620	2830	.093	.026	dol;vfxln;vugs
029	1429.42	1429.67	.25	.08	1.04	.58	.16	.076	2620	2840	.116	.033	dol;vfxln;p-pvugs
NA	1429.67	1429.74	.07	-	-	-	-	-	-	-	-	-	dol;sh
SP030	1429.74	1429.82	.08	.04	.21	-	-	.077	2640	2850	.294	.049	dol;vfxln
SP006P	1429.82	1430.04	.22	-	.20	-	-	.044	2720	2850	.119	.051	dol;vfxln;vugs
SP031	1430.04	1430.19	.15	-	3.17*	-	-	.089	2590	2840	.160	.034	dol;vfxln;styl
032	1430.19	1430.50	.31	.14	1.47	1.40	.11	.062	2660	2840	.212	.090	dol;vfxln;vugs

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES LTD.
WELL: PARAMOUNT et al CAMERON
LOCATION: C-75-60-10-117-15
FORMATION: SULPHUR POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

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W/O No: RC4549
Date: 94-04-06

FINAL CORE ANALYSIS DATA

Sample	Interval (m)		Rep Thick (m)	Sample Length (m)	-----Gas Permeability-----			Porosity	Density (kg/m3)		Residual Saturation		Remarks
	Top	Base			Kmax (mD)	K90 (mD)	Vertical (mD)		Bulk	Grain	Oil	Water	
033	1430.50	1430.70	.20	.13	1.60*	.46	.02	.030	2760	2840	trc	.075	dol;vfxln;vrtl frac
034	1430.70	1430.96	.26	.07	18.2	16.2	275. *	.148	2410	2830	.166	.069	dol;vfxln;vugs;burr
SP035	1430.96	1431.09	.13	-	63.7	-	-	.124	2490	2840	.142	.058	dol;vfxln;vugs
036	1431.09	1431.28	.19	.08	6.45	6.23	.97	.102	2530	2810	.182	.038	dol;vfxln;vugs
SP007P	1431.28	1431.41	.13	-	11.7	-	-	.091	2570	2830	.128	.109	dol;vfxln;vugs
037	1431.41	1431.59	.18	.11	1.34	1.14	.03	.055	2670	2820	.201	.057	dol;vfxln;vugs
038	1431.59	1431.73	.14	.10	26.3 *	8.88	4.36*	.032	2730	2820	trc	.053	dol;vfxln;vugs;vrtl frac
039	1431.73	1432.02	.29	.13	34.4 *	2.84	.08	.053	2870	3040	.155	.044	dol;vfxln;vugs;vfrac;pyr
SP040	1432.02	1432.15	.13	-	19.1	-	-	.110	2530	2840	.111	.031	dol;vfxln;vugs
SP041	1432.15	1432.34	.19	-	1.50	-	-	.073	2630	2830	.175	.037	dol;vfxln;p-pvugs
SP008P	1432.34	1432.58	.24	-	51.9	-	-	.108	2530	2840	.305	.128	dol;vfxln;vugs
042	1432.58	1432.69	.11	.08	.80	.72	.62	.087	2590	2840	.111	.047	dol;vfxln;p-pvugs
SP043	1432.69	1433.05	.36	-	.32*	-	-	.037	2750	2850	trc	.089	dol;vfxln;styl
LC	1433.05	1433.40	.35	-	-	-	-	-	-	-	-	-	lost core
CORE NO. 3 1433.40 - 1438.25 (RECEIVED/CUT = 4.85/ 4.85m TOTAL BOXES = 4)													
044	1433.40	1433.62	.22	.12	2.16*	.05	.05*	.052	2710	2860	trc	.064	dol;vfxln;vrtl frac
045	1433.62	1433.75	.13	.09	.64*	.03	.49*	.019	2820	2870	trc	.126	dol;vfxln;vrtl frac
NA	1433.75	1434.01	.26	-	-	-	-	-	-	-	-	-	dol;sh
046	1434.01	1434.14	.13	.06	12.9	10.7	4.26	.122	2500	2850	.138	.078	dol;vfxln;vugs
SP009P	1434.14	1434.26	.12	-	4850.	-	-	.184	2310	2830	.134	.224	dol;vfxln;vugs
SP047	1434.26	1434.36	.10	-	57.6	-	-	.206	2250	2830	.052	.052	dol;vfxln;vugs
048	1434.36	1434.57	.21	.07	.78	.41	.85	.093	2580	2840	.045	.019	dol;vfxln;vugs
SP049	1434.57	1434.65	.08	-	216.	-	-	.195	2280	2830	.064	.109	dol;vfxln;vugs

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES LTD.
WELL: PARAMOUNT et al CAMERON
LOCATION: C-75-60-10-117-15
FORMATION: SULPHUR POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

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FINAL CORE ANALYSIS DATA

Sample	Interval (m)		Rep Thick (m)	Sample Length (m)	-----Gas Permeability-----			Porosity	Density (kg/m3)		Residual Saturation		Remarks
	Top	Base			Kmax (mD)	K90 (mD)	Vertical (mD)		Bulk	Grain	Oil	Water	
050	1434.65	1434.74	.09	.05	1070. *	284.	393. *	.238	2160	2840	.051	.026	dol;vfxln;vugs;vrtl frac
SP051	1434.74	1434.81	.07	-	130.	-	-	.209	2230	2830	.108	.194	dol;vfxln;vugs
SP010P	1434.81	1434.97	.16	-	142.	-	-	.189	2290	2830	.146	.235	dol;vfxln;vugs
052	1434.97	1435.17	.20	.07	12.5	9.97	5.16	.200	2250	2820	.080	.054	dol;vfxln;vugs
SP053	1435.17	1435.24	.07	-	127.	-	-	.215	2220	2830	.084	.211	dol;vfxln;vugs
054	1435.24	1435.43	.19	.07	54.6	23.8	15.6	.121	2500	2850	.076	.032	dol;vfxln;vugs
055	1435.43	1435.57	.14	.08	4.15	3.23	.28	.043	2700	2820	.116	.084	dol;vfxln;vugs
NA	1435.57	1435.59	.02	-	-	-	-	-	-	-	-	-	dol;sh
056	1435.59	1435.76	.17	.09	7.40	6.39	2.79	.071	2630	2830	.129	.055	dol;vfxln;vugs
057	1435.76	1435.89	.13	.08	52.1 *	27.6 *	9.85*	.076	2610	2820	trc	.042	dol;vfxln;vugs;frac
SP011P	1435.89	1436.03	.14	-	34.5	-	-	.124	2460	2810	.166	.080	dol;vfxln;vugs
058	1436.03	1436.20	.17	.08	.69*	.26*	.33*	.076	2610	2830	trc	.214	dol;vfxln;sh ptg;vrtl frac
NA	1436.20	1436.24	.04	-	-	-	-	-	-	-	-	-	dol;sh
SP059	1436.24	1436.30	.06	-	13.2	-	-	.157	2390	2840	.212	.149	dol;vfxln
SP012P	1436.30	1436.46	.16	-	355.	-	-	.189	2300	2840	.194	.243	dol;vfxln;vugs
SP060	1436.46	1436.52	.06	-	46.5	-	-	.183	2330	2860	.089	.075	dol;vfxln;vugs
061	1436.52	1436.63	.11	.05	131.	130.	110.	.216	2240	2850	.108	.091	dol;vfxln;vugs
062	1436.63	1436.83	.20	.05	780.	313.	576.	.184	2320	2840	.201	.121	dol;vfxln;vugs
063	1436.83	1437.41	.58	.07	1.12*	.91	1.57*	.064	2660	2840	.127	.054	dol;vfxln;vrtl frac
SP064	1437.41	1437.80	.39	-	14.8 *	-	-	.163	2390	2860	.086	.037	dol;vfxln;frac
SP065	1437.80	1438.25	.45	-	.05	-	-	.015	2750	2790	trc	.105	dol;vfxln

* - Affected by fracture or crack as mentioned in remarks

CORE ANALYSIS - QUALITY CONTROL REPORT

DATE: 4- 6-1994

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WORK ORDER: RC4549
COMPANY: PARAMOUNT RESOURCES LTD.
WELL: PARAMOUNT et al CAMERON
LOCATION: C-75-60-10-117-15

CORE NO.1 1419.00 - 1425.60 REC: 5.85

001	1419.00	1420.95
SP001P	1420.95	1421.10
002	1421.10	1421.23
003	1421.23	1421.40
SP004	1421.40	1421.46
005	1421.46	1422.13
006	1422.13	1422.77
007	1422.77	1423.00
008	1423.00	1423.51
009	1423.51	1424.10
010	1424.10	1424.37
011	1424.37	1424.53
SP012	1424.53	1424.85
LC	1424.85	1425.60

CORE NO.2 1425.60 - 1433.40 REC: 7.45

013	1425.60	1425.80	
-KMAX (	23.57)	IS OUTSIDE FOUR STANDARD DEVIATION (	952.06 - 10000.00)
-K90 (	21.02)	IS OUTSIDE FOUR STANDARD DEVIATION (	318.36 - 10000.00)
-KV (	18.82)	IS OUTSIDE FOUR STANDARD DEVIATION (	156.47 - 5632.76)
SP002P	1425.80	1425.94	
-KMAX (	11.68)	IS OUTSIDE FOUR STANDARD DEVIATION (	79.20 - 2851.36)
014	1425.94	1426.05	
015	1426.05	1426.42	
-KMAX (	1.54)	IS OUTSIDE FOUR STANDARD DEVIATION (	1.70 - 61.11)
NA	1426.42	1426.43	
016	1426.43	1426.61	
-KMAX (	.50)	IS OUTSIDE FOUR STANDARD DEVIATION (	2.79 - 100.48)
-K90 (	.31)	IS OUTSIDE FOUR STANDARD DEVIATION (	1.75 - 63.09)
-KV (	.13)	IS OUTSIDE FOUR STANDARD DEVIATION (	.65 - 23.36)
SP017	1426.61	1426.83	
-KMAX (	.09)	IS OUTSIDE FOUR STANDARD DEVIATION (	.63 - 22.60)

Results verified

Result verified

Result verified

Results verified

Result verified

SP018	1426.83	1426.91			
NA	1426.91	1426.93			
NA	1426.93	1427.02			
019	1427.02	1427.18			
-KMAX	(2.30)	IS OUTSIDE FOUR STANDARD DEVIATION (	4.39 -	157.92)	
-K90	(1.11)	IS OUTSIDE FOUR STANDARD DEVIATION (	2.62 -	94.42)	Results verified
-KV	(.53)	IS OUTSIDE FOUR STANDARD DEVIATION (	.99 -	35.73)	
SP003P	1427.18	1427.29			
-KMAX	(.32)	IS OUTSIDE FOUR STANDARD DEVIATION (	1.18 -	42.56)	Result verified
020	1427.29	1427.67			
-K90	(1.53)	IS LESS THAN KV (2.33)			Result verified
SP004P	1427.67	1427.80			
-KMAX	(.58)	IS OUTSIDE FOUR STANDARD DEVIATION (	.60 -	21.60)	Result verified
021	1427.80	1427.98			
022	1427.98	1428.15			
-KMAX	(.07)	IS OUTSIDE FOUR STANDARD DEVIATION (	.22 -	7.99)	
-K90	(.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.18 -	6.59)	Result verified
-KV	(.02)	IS OUTSIDE FOUR STANDARD DEVIATION (	.06 -	2.16)	
023	1428.15	1428.36			
-K90	(.25)	IS OUTSIDE FOUR STANDARD DEVIATION (	.46 -	16.67)	Results verified
-K90	(.25)	IS LESS THAN KV (.32)			
NA	1428.36	1428.51			
024	1428.51	1428.66			
025	1428.66	1428.82			
026	1428.82	1428.98			
027	1428.98	1429.11			
028	1429.11	1429.34			
SP005P	1429.34	1429.42			
029	1429.42	1429.67			
NA	1429.67	1429.74			
SP030	1429.74	1429.82			
SP006P	1429.82	1430.04			
SP031	1430.04	1430.19			
032	1430.19	1430.50			
033	1430.50	1430.70			
034	1430.70	1430.96			
SP035	1430.96	1431.09			
-KMAX	(63.73)	IS OUTSIDE FOUR STANDARD DEVIATION (	.86 -	31.02)	Result verified
036	1431.09	1431.28			
SP007P	1431.28	1431.41			
-KMAX	(11.72)	IS OUTSIDE FOUR STANDARD DEVIATION (	.19 -	6.98)	Result verified
037	1431.41	1431.59			
038	1431.59	1431.73			
-K90	(8.88)	IS OUTSIDE FOUR STANDARD DEVIATION (	.02 -	.54)	Result verified
039	1431.73	1432.02			

-GRAIN DENSITY (3035) OUT OF LIMIT FOR LITHOLOGY SPECIFIED (dol [2710-2958]) Pyritic
 -K90 (2.84) IS OUTSIDE FOUR STANDARD DEVIATION (.04 - 1.26) Result verified
 SP040 1432.02 1432.15
 -KMAX (19.07) IS OUTSIDE FOUR STANDARD DEVIATION (.46 - 16.47) Result verified
 SP041 1432.15 1432.34
 SP008P 1432.34 1432.58
 -KMAX (51.93) IS OUTSIDE FOUR STANDARD DEVIATION (.42 - 15.05) Result verified
 042 1432.58 1432.69
 SP043 1432.69 1433.05
 LC 1433.05 1433.40

CORE NO.3 1433.40 - 1438.25 REC: 4.85

044 1433.40 1433.62
 045 1433.62 1433.75
 NA 1433.75 1434.01
 046 1434.01 1434.14
 SP009P 1434.14 1434.26
 -KMAX (4845.62) IS OUTSIDE FOUR STANDARD DEVIATION (12.98 - 467.37) Result verified
 SP047 1434.26 1434.36
 048 1434.36 1434.57
 -KMAX (.78) IS LESS THAN KV (.85) Results verified
 -K90 (.41) IS LESS THAN KV (.85)
 SP049 1434.57 1434.65
 050 1434.65 1434.74
 SP051 1434.74 1434.81
 SP010P 1434.81 1434.97
 052 1434.97 1435.17
 -KMAX (12.54) IS OUTSIDE FOUR STANDARD DEVIATION (26.76 - 963.42)
 -K90 (9.97) IS OUTSIDE FOUR STANDARD DEVIATION (13.16 - 473.84) Results verified
 -KV (5.16) IS OUTSIDE FOUR STANDARD DEVIATION (5.44 - 195.78)
 SP053 1435.17 1435.24
 054 1435.24 1435.43
 -KMAX (54.55) IS OUTSIDE FOUR STANDARD DEVIATION (.75 - 27.08) Results verified
 -K90 (23.84) IS OUTSIDE FOUR STANDARD DEVIATION (.54 - 19.59)
 -KV (15.64) IS OUTSIDE FOUR STANDARD DEVIATION (.19 - 6.80)
 055 1435.43 1435.57
 -KMAX (4.15) IS OUTSIDE FOUR STANDARD DEVIATION (.02 - .80)
 -K90 (3.23) IS OUTSIDE FOUR STANDARD DEVIATION (.02 - .84) Results verified
 -KV (.28) IS OUTSIDE FOUR STANDARD DEVIATION (.01 - .25)
 NA 1435.57 1435.59
 056 1435.59 1435.76
 -KMAX (7.40) IS OUTSIDE FOUR STANDARD DEVIATION (.08 - 2.82)
 -K90 (6.39) IS OUTSIDE FOUR STANDARD DEVIATION (.07 - 2.61) Results verified
 -KV (2.79) IS OUTSIDE FOUR STANDARD DEVIATION (.02 - .81)

057 1435.76 1435.89
SP011P 1435.89 1436.03

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-KMAX (34.47) IS OUTSIDE FOUR STANDARD DEVIATION (.86 - 31.02)

Result verified

058 1436.03 1436.20

NA 1436.20 1436.24

SP059 1436.24 1436.30

SP012P 1436.30 1436.46

SP060 1436.46 1436.52

061 1436.52 1436.63

062 1436.63 1436.83

-KMAX (780.11) IS OUTSIDE FOUR STANDARD DEVIATION (12.98 - 467.37)

-K90 (312.66) IS OUTSIDE FOUR STANDARD DEVIATION (6.90 - 248.55)

Results verified

-KV (576.16) IS OUTSIDE FOUR STANDARD DEVIATION (2.75 - 99.15)

-K90 (312.66) IS LESS THAN KV (576.16)

063 1436.83 1437.41

SP064 1437.41 1437.80

SP065 1437.80 1438.25

APPROVED:


QUALITY CONTROL SUPERVISOR

94-04-06

DATE

COMPANY: PARAMOUNT RESOURCES LTD.
WELL: PARAMOUNT et al CAMERON
LOCATION: C-75-60-10-117-15

AGAT LABORATORIES

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Date: 94-04-06

CALCULATED DATA REPORT

Sample	Interval (m)		Rep. Thick.		Porosity *		Wt. Avg. Porosity (Arith.)	Kmax *		Wt. Avg. Kmax (Arith.)
	Top	Base	Rep. Thick.		Rep. Thick.			Rep. Thick.		
			m	Cuml.	Por-m	Cuml.		mD-m	Cuml.	

CORE NO. 1 1419.00 - 1425.60 (RECEIVED/CUT = 5.85/ 6.60m TOTAL BOXES = 5)										
001	1419.00	1420.95	1.95	1.95	.059	.059	.030	.059	.059	.030
SP001P	1420.95	1421.10	.15	2.10	.005	.063	.030	.004	.063	.030
002	1421.10	1421.23	.13	2.23	.004	.067	.030	.004	.067	.030
003	1421.23	1421.40	.17	2.40	.003	.070	.029	.005	.072	.030
SP004	1421.40	1421.46	.06	2.46	.001	.071	.029	.001	.073	.030
005	1421.46	1422.13	.67	3.13	.007	.078	.025	.013	.087	.028
006	1422.13	1422.77	.64	3.77	.012	.090	.024	.045	.131	.035
007	1422.77	1423.00	.23	4.00	.008	.098	.024	.030	.161	.040
008	1423.00	1423.51	.51	4.51	.003	.100	.022	.015	.177	.039
009	1423.51	1424.10	.59	5.10	.002	.103	.020	.035	.212	.042
010	1424.10	1424.37	.27	5.37	.005	.108	.020	.030	.242	.045
011	1424.37	1424.53	.16	5.53	.003	.111	.020	.027	.269	.049
SP012	1424.53	1424.85	.32	5.85	.012	.123	.021	.026	.295	.050
LC	1424.85	1425.60	.75	-	-	-	-	-	-	-
CORE NO. 2 1425.60 - 1433.40 (RECEIVED/CUT = 7.45/ 7.80m TOTAL BOXES = 6)										
013	1425.60	1425.80	.20	6.05	.056	.179	.030	4.716	5.010	.828
SP002P	1425.80	1425.94	.14	6.19	.031	.210	.034	1.635	6.646	1.074
014	1425.94	1426.05	.11	6.30	.017	.227	.036	2.191	8.837	1.403
015	1426.05	1426.42	.37	6.67	.051	.279	.042	.570	9.406	1.410
NA	1426.42	1426.43	.01	-	-	-	-	-	-	-

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CALCULATED DATA REPORT

Sample	Interval (m)		Rep. Thick.		Porosity *		Wt. Avg. Porosity (Arith.)	Kmax *		Wt. Avg. Kmax (Arith.)
	Top	Base	m	Cuml.	Por-m	Cuml.		mD-m	Cuml.	
016	1426.43	1426.61	.18	6.85	.027	.306	.045	.090	9.496	1.386
SP017	1426.61	1426.83	.22	7.07	.026	.332	.047	.020	9.516	1.346
SP018	1426.83	1426.91	.08	7.15	.011	.343	.048	-	-	-
NA	1426.91	1426.93	.02	-	-	-	-	-	-	-
NA	1426.93	1427.02	.09	-	-	-	-	-	-	-
019	1427.02	1427.18	.16	7.31	.026	.369	.050	.368	9.884	1.352
SP003P	1427.18	1427.29	.11	7.42	.014	.383	.052	.035	9.919	1.337
020	1427.29	1427.67	.38	7.80	.043	.426	.055	1.163	11.082	1.421
SP004P	1427.67	1427.80	.13	7.93	.015	.441	.056	.075	11.157	1.407
021	1427.80	1427.98	.18	8.11	.026	.466	.057	.774	11.931	1.471
022	1427.98	1428.15	.17	8.28	.016	.482	.058	.012	11.943	1.442
023	1428.15	1428.36	.21	8.49	.025	.507	.060	.174	12.117	1.427
NA	1428.36	1428.51	.15	-	-	-	-	-	-	-
024	1428.51	1428.66	.15	8.64	.018	.525	.061	.477	12.594	1.458
025	1428.66	1428.82	.16	8.80	.006	.531	.060	-	-	-
026	1428.82	1428.98	.16	8.96	.016	.547	.061	.590	13.185	1.471
027	1428.98	1429.11	.13	9.09	.016	.564	.062	2.228	15.413	1.696
028	1429.11	1429.34	.23	9.32	.018	.582	.062	.184	15.597	1.673
SP005P	1429.34	1429.42	.08	9.40	.006	.588	.063	.246	15.843	1.685
029	1429.42	1429.67	.25	9.65	.019	.607	.063	.260	16.103	1.669
NA	1429.67	1429.74	.07	-	-	-	-	-	-	-
SP030	1429.74	1429.82	.08	9.73	.006	.613	.063	.017	16.120	1.657
SP006P	1429.82	1430.04	.22	9.95	.010	.623	.063	.044	16.164	1.624
SP031	1430.04	1430.19	.15	10.10	.013	.636	.063	-	-	-
032	1430.19	1430.50	.31	10.41	.019	.655	.063	.456	16.620	1.596

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Sample	Interval (m)		Rep. Thick.		Porosity * Rep. Thick.		Wt. Avg. Porosity (Arith.)	Kmax * Rep. Thick.		Wt. Avg. Kmax (Arith.)
	Top	Base	m	Cuml.	Por-m	Cuml.		mD-m	Cuml.	
033	1430.50	1430.70	.20	10.61	.006	.661	.062	-	-	-
034	1430.70	1430.96	.26	10.87	.038	.700	.064	4.745	21.364	1.965
SP035	1430.96	1431.09	.13	11.00	.016	.716	.065	8.277	29.642	2.695
036	1431.09	1431.28	.19	11.19	.019	.735	.066	1.225	30.867	2.758
SP007P	1431.28	1431.41	.13	11.32	.012	.747	.066	1.525	32.392	2.861
037	1431.41	1431.59	.18	11.50	.010	.757	.066	.241	32.633	2.838
038	1431.59	1431.73	.14	11.64	.004	.761	.065	-	-	-
039	1431.73	1432.02	.29	11.93	.015	.777	.065	-	-	-
SP040	1432.02	1432.15	.13	12.06	.014	.791	.066	2.479	35.112	2.911
SP041	1432.15	1432.34	.19	12.25	.014	.805	.066	.285	35.397	2.890
SP008P	1432.34	1432.58	.24	12.49	.026	.831	.067	12.456	47.854	3.831
042	1432.58	1432.69	.11	12.60	.010	.840	.067	.088	47.942	3.805
SP043	1432.69	1433.05	.36	12.96	.013	.854	.066	-	-	-
LC	1433.05	1433.40	.35	-	-	-	-	-	-	-
CORE NO. 3 1433.40 - 1438.25 (RECEIVED/CUT = 4.85/ 4.85m TOTAL BOXES = 4)										
044	1433.40	1433.62	.22	13.18	.011	.865	.066	-	-	-
045	1433.62	1433.75	.13	13.31	.002	.868	.065	-	-	-
NA	1433.75	1434.01	.26	-	-	-	-	-	-	-
046	1434.01	1434.14	.13	13.44	.016	.883	.066	1.681	49.623	3.692
SP009P	1434.14	1434.26	.12	13.56	.022	.905	.067	581.451	631.073	46.539
SP047	1434.26	1434.36	.10	13.66	.021	.926	.068	5.764	636.837	46.620
048	1434.36	1434.57	.21	13.87	.020	.946	.068	.164	637.001	45.926
SP049	1434.57	1434.65	.08	13.95	.016	.961	.069	17.261	654.262	46.900

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Sample	Interval (m)		Rep. Thick.		Porosity *		Wt. Avg. Porosity (Arith.)	Kmax *		Wt. Avg. Kmax (Arith.)
	Top	Base	m	Cuml.	Por-m	Cuml.		mD-m	Cuml.	
050	1434.65	1434.74	.09	14.04	.021	.983	.070	-	-	-
SP051	1434.74	1434.81	.07	14.11	.015	.997	.071	9.124	663.386	47.015
SP010P	1434.81	1434.97	.16	14.27	.030	1.028	.072	22.784	686.170	48.084
052	1434.97	1435.17	.20	14.47	.040	1.067	.074	2.507	688.678	47.593
SP053	1435.17	1435.24	.07	14.54	.015	1.083	.074	8.894	697.571	47.975
054	1435.24	1435.43	.19	14.73	.023	1.106	.075	10.368	707.939	48.060
055	1435.43	1435.57	.14	14.87	.006	1.112	.075	.581	708.520	47.647
NA	1435.57	1435.59	.02	-	-	-	-	-	-	-
056	1435.59	1435.76	.17	15.04	.012	1.124	.075	1.258	709.778	47.192
057	1435.76	1435.89	.13	15.17	.010	1.134	.075	-	-	-
SP011P	1435.89	1436.03	.14	15.31	.017	1.151	.075	4.826	714.605	46.675
058	1436.03	1436.20	.17	15.48	.013	1.164	.075	-	-	-
NA	1436.20	1436.24	.04	-	-	-	-	-	-	-
SP059	1436.24	1436.30	.06	15.54	.009	1.173	.075	.793	715.397	46.035
SP012P	1436.30	1436.46	.16	15.70	.030	1.203	.077	56.764	772.161	49.182
SP060	1436.46	1436.52	.06	15.76	.011	1.214	.077	2.786	774.947	49.171
061	1436.52	1436.63	.11	15.87	.024	1.238	.078	14.387	789.335	49.737
062	1436.63	1436.83	.20	16.07	.037	1.275	.079	156.079	945.414	58.830
063	1436.83	1437.41	.58	16.65	.037	1.312	.079	-	-	-
SP064	1437.41	1437.80	.39	17.04	.064	1.376	.081	-	-	-
SP065	1437.80	1438.25	.45	17.49	.007	1.382	.079	.022	945.436	54.055

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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY POROSITY RANGES

Porosity Range	Samples		Metres		Wt. Avg. Porosity (Arith)	Wt. Avg. Kmax		Frequency %	
	In	Rng Cuml.	In	Rng Cuml.		Arith	Geom	In	Rng Cuml.
0.000-0.0199	8	8	3.36	3.36	.012	.050	.043	23.33	23.33
0.020-0.0399	6	14	2.94	6.30	.031	.051	.041	20.42	43.75
0.040-0.0599	3	17	.54	6.84	.047	1.604	.827	3.75	47.50
0.060-0.0799	7	24	1.31	8.15	.072	2.066	1.421	9.10	56.60
0.080-0.0999	4	28	.62	8.77	.092	2.885	.714	4.31	60.90
0.100-0.1199	9	37	1.81	10.58	.111	10.309	2.782	12.57	73.47
0.120-0.1399	7	44	1.20	11.78	.129	23.323	8.249	8.33	81.80
0.140-0.1599	5	49	.79	12.57	.149	10.876	5.715	5.49	87.29
0.160-0.1799	1	50	.16	12.73	.160	2.300	2.300	1.11	88.40
0.180-0.1999	6	56	.78	13.51	.187	1073.197	437.628	5.42	93.82
0.200-0.2199	5	61	.55	14.06	.207	73.934	47.840	3.82	97.64
0.220-0.2399	1	62	.14	14.20	.224	11.680	11.680	.97	98.61
0.240-0.2599	0	62	.00	14.20	.000	.000	.000	.00	98.61
0.260-0.2799	1	63	.20	14.40	.279	23.570	23.570	1.39	100.00

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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY PERMEABILITY RANGES									
Permeability Range	Samples		Metres		Wt. Avg. Porosity (Arith)	Wt. Avg. Kmax		Frequency %	
	In Rng	Cuml.	In Rng	Cuml.		Arith	Geom	In Rng	Cuml.
0.000-0.009	0	0	.00	.00	.000	.000	.000	.00	.00
0.010-0.019	0	0	.00	.00	.000	.000	.000	.00	.00
0.020-0.039	7	7	3.64	3.64	.022	.028	.028	25.28	25.28
0.040-0.079	4	11	1.85	5.49	.020	.062	.061	12.85	38.12
0.080-0.159	4	15	1.04	6.53	.049	.101	.099	7.22	45.35
0.160-0.319	3	18	.46	6.99	.041	.191	.191	3.19	48.54
0.320-0.639	3	21	.42	7.41	.134	.478	.466	2.92	51.46
0.640-1.249	5	26	1.01	8.42	.090	.861	.856	7.01	58.47
1.250-2.499	5	31	1.21	9.63	.099	1.586	1.565	8.40	66.87
2.500-4.999	6	37	1.09	10.72	.105	3.515	3.480	7.57	74.44
5.000-9.999	2	39	.36	11.08	.087	6.899	6.883	2.50	76.94
10.000-19.999	9	48	1.29	12.37	.151	15.334	15.008	8.96	85.90
20.000-39.999	2	50	.34	12.71	.215	28.058	27.563	2.36	88.26
40.000-79.999	5	55	.72	13.43	.134	55.083	54.870	5.00	93.26
80.000-159.999	4	59	.41	13.84	.204	134.597	134.445	2.85	96.11
160.000-319.999	1	60	.08	13.92	.195	215.550	215.550	.56	96.67
320.000-639.999	1	61	.16	14.08	.189	354.700	354.700	1.11	97.78
640.000-1279.999	1	62	.20	14.28	.184	780.110	780.110	1.39	99.17
1280.000-2559.999	0	62	.00	14.28	.000	.000	.000	.00	99.17
2560.000-5119.999	1	63	.12	14.40	.184	4845.620	4845.621	.83	100.00

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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

POROSITY-METRES OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

Porosity Cut Off	Metres		Capacity Lost		Capacity Remaining		Wt. Avg. Arith	
	Lost	Remaining	Por-Metres	%	Por-Metres	%	Mean	Median
0.000	.00	17.49	.000	.00	1.382	100.00	.079	.064
0.020	3.65	13.84	.045	3.27	1.337	96.73	.097	.080
0.040	7.29	10.20	.163	11.76	1.220	88.24	.120	.111
0.060	8.34	9.15	.215	15.55	1.168	84.45	.128	.118
0.080	10.53	6.96	.369	26.71	1.013	73.29	.146	.135
0.100	11.30	6.19	.440	31.79	.943	68.21	.152	.142
0.120	13.11	4.38	.641	46.37	.741	53.63	.169	.164
0.140	14.31	3.18	.796	57.55	.587	42.45	.185	.184
0.160	15.34	2.15	.950	68.74	.432	31.26	.201	.195
0.180	15.73	1.76	1.014	73.34	.369	26.66	.209	.204
0.200	16.71	.78	1.200	86.79	.183	13.21	.234	
0.220	17.06	.43	1.274	92.14	.109	7.86	.253	
0.240	17.29	.20	1.327	95.96	.056	4.04	.279	
0.260	17.29	.20	1.327	95.96	.056	4.04	.279	
0.280	17.49	.00	1.382	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = 1.382

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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

MILLIDARCY-METRES OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

Permeability Cut Off	Metres		Capacity Lost		Capacity Remaining		Wt. Avg. Geom.	
	Lost	Remaining	mD-Metres	%	mD-Metres	%	Mean	Median
0.000	.00	14.40	.000	.00	945.436	100.00	.658	.452
0.010	.00	14.40	.000	.00	945.436	100.00	.658	.452
0.020	.73	13.67	.015	.00	945.422	100.00	.658	.452
0.040	3.64	10.76	.102	.01	945.334	99.99	1.921	1.762
0.080	5.81	8.59	.242	.03	945.194	99.97	3.926	3.054
0.160	6.53	7.87	.322	.03	945.115	99.97	6.385	4.252
0.320	6.99	7.41	.410	.04	945.027	99.96	7.940	4.921
0.640	7.41	6.99	.610	.06	944.826	99.94	9.415	7.145
1.250	8.42	5.98	1.480	.16	943.956	99.84	14.116	11.942
2.500	9.63	4.77	3.400	.36	942.037	99.64	24.660	16.528
5.000	10.72	3.68	7.230	.76	938.206	99.24	44.034	29.454
10.000	11.08	3.32	9.714	1.03	935.723	98.97	53.849	41.166
20.000	12.37	2.03	29.498	3.12	915.938	96.88	121.289	76.617
40.000	12.71	1.69	39.040	4.13	906.396	95.87	163.422	98.854
80.000	13.43	.97	78.692	8.32	866.744	91.68	367.260	306.432
160.000	13.84	.56	133.881	14.16	811.555	85.84	766.346	735.074
320.000	13.92	.48	151.142	15.99	794.294	84.01	946.915	844.449
640.000	14.08	.32	207.906	21.99	737.530	78.01	1547.168	
1280.000	14.28	.12	363.985	38.50	581.451	61.50	4846.054	
2560.000	14.28	.12	363.985	38.50	581.451	61.50	4846.054	
5120.000	14.40	.00	945.436	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 945.436

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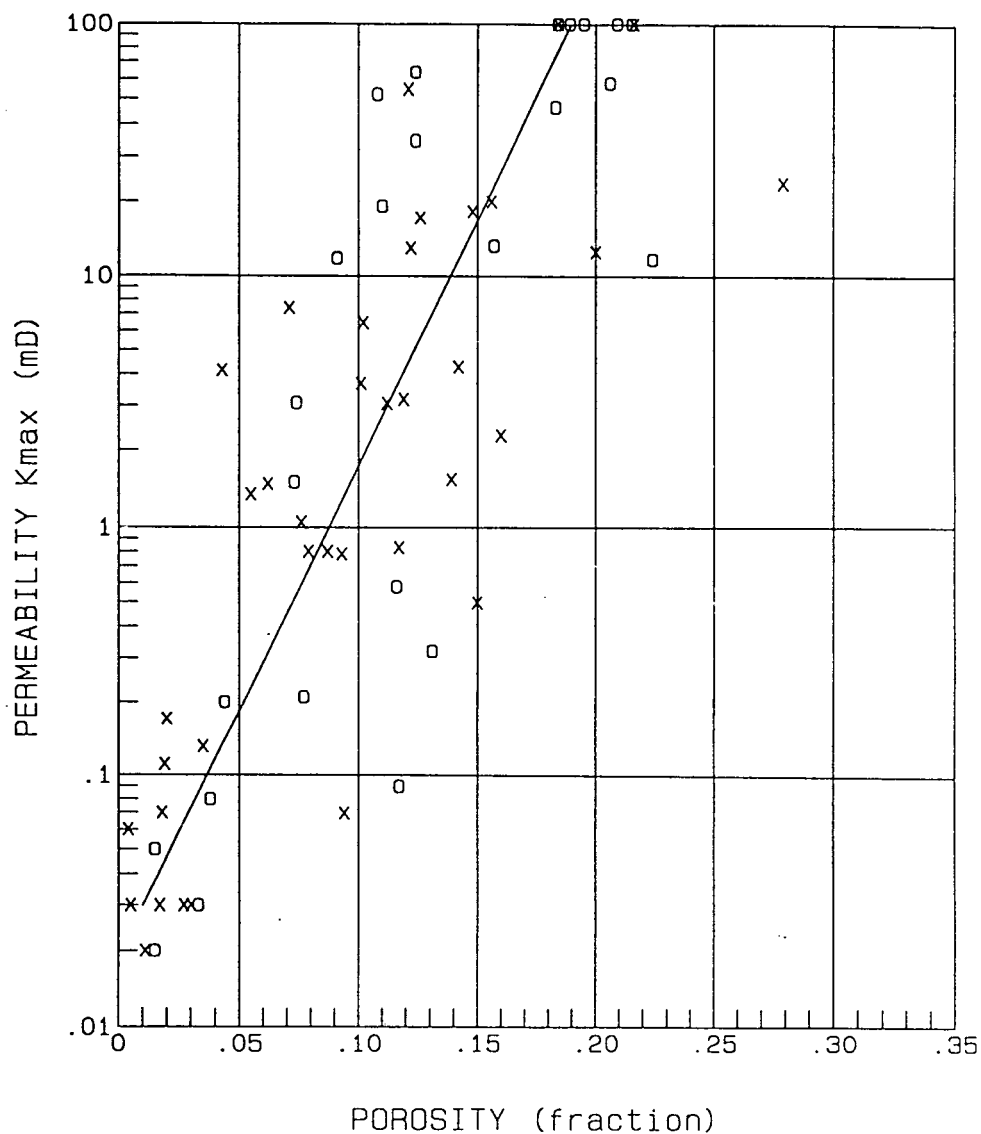
SUMMARY OF CORE DATA REPORT

PERMEABILITY RANGES, MILLIDARCY

	Total	100.00 +	10.00 - 99.99	1.00 - 9.99	0.50 - 0.99	0.10 - 0.49	0.01 - 0.09	< 0.01
Thickness (m)	14.40	.97	2.35	2.91	1.07	1.07	6.03	.00
Fraction of analyzed core		.067	.163	.202	.074	.074	.419	.00
Porosity thickness (por-m)	1.153	.188	.365	.284	.114	.047	.155	.00
Permeability thickness (mD-m)	945.44	866.74	68.98	8.49	.78	.18	.26	-
Wt. average Porosity	.080	.194	.155	.098	.106	.044	.026	.00
Wt. average Permeability	65.65	893.35	29.35	2.92	.72	.17	.04	-
Wt. average Residual Oil	.118	.145	.135	.145	.131	.058	.101	.00
Wt. average Residual Water	.087	.180	.077	.061	.055	.076	.097	.00
Wt. average (geom.) Kmax., mD for All Samples =			.66					
Wt. average (harm.) Kmax., mD for All Samples =			.08					

COMPANY: PARAMOUNT RESOURCES LTD. FIGURE: 1
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 INTERVAL: 1419.00 - 1438.25 m DATE: 94-04-06
 FORMATION: SULPHUR POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION

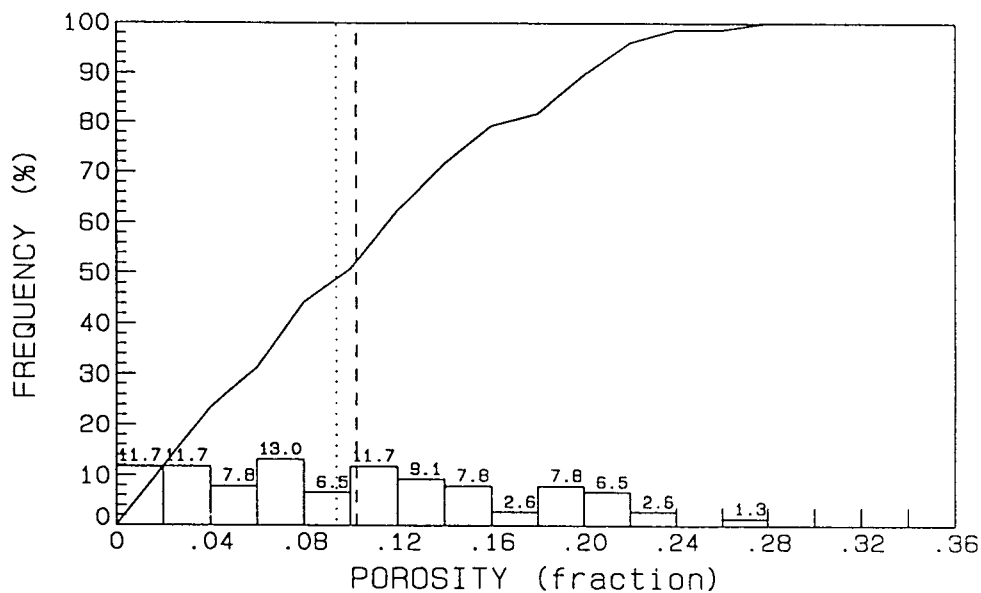


x - FULL DIAMETER o - SMALL PLUG
 NOTE: Samples are not weighted

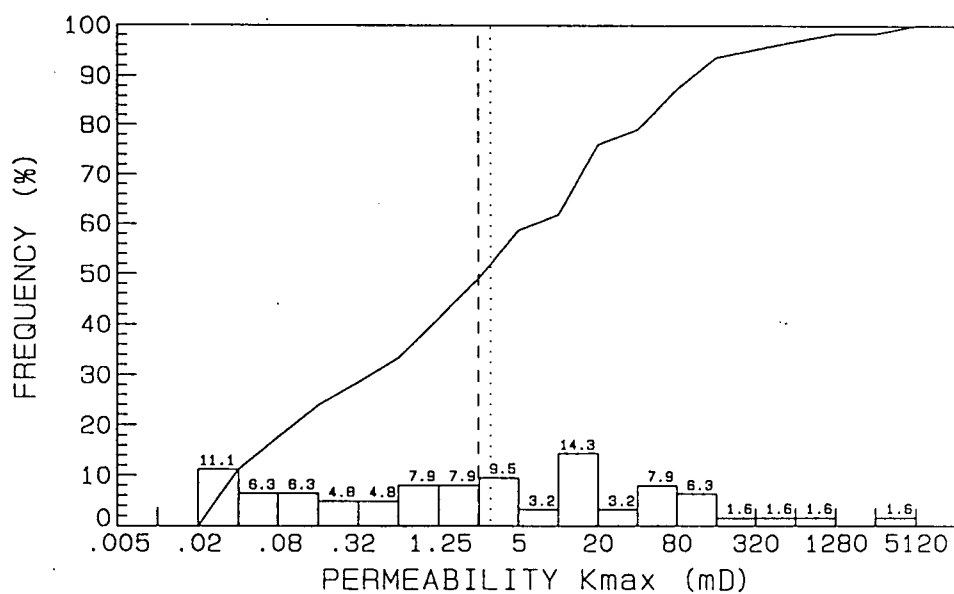
Equation: $\text{Log (Kmax)} = -1.72 + 19.63 * \text{Porosity}$
 Correlation Coefficient: $r = .808$

COMPANY: PARAMOUNT RESOURCES LTD. FIGURE: 2
 LOCATION: C-75-60-10-117-15 W/O NO: RC4549
 INTERVAL: 1419.00 - 1438.25 m DATE: 94-04-06
 FORMATION: SULPHUR POINT

POROSITY FREQUENCY DISTRIBUTION



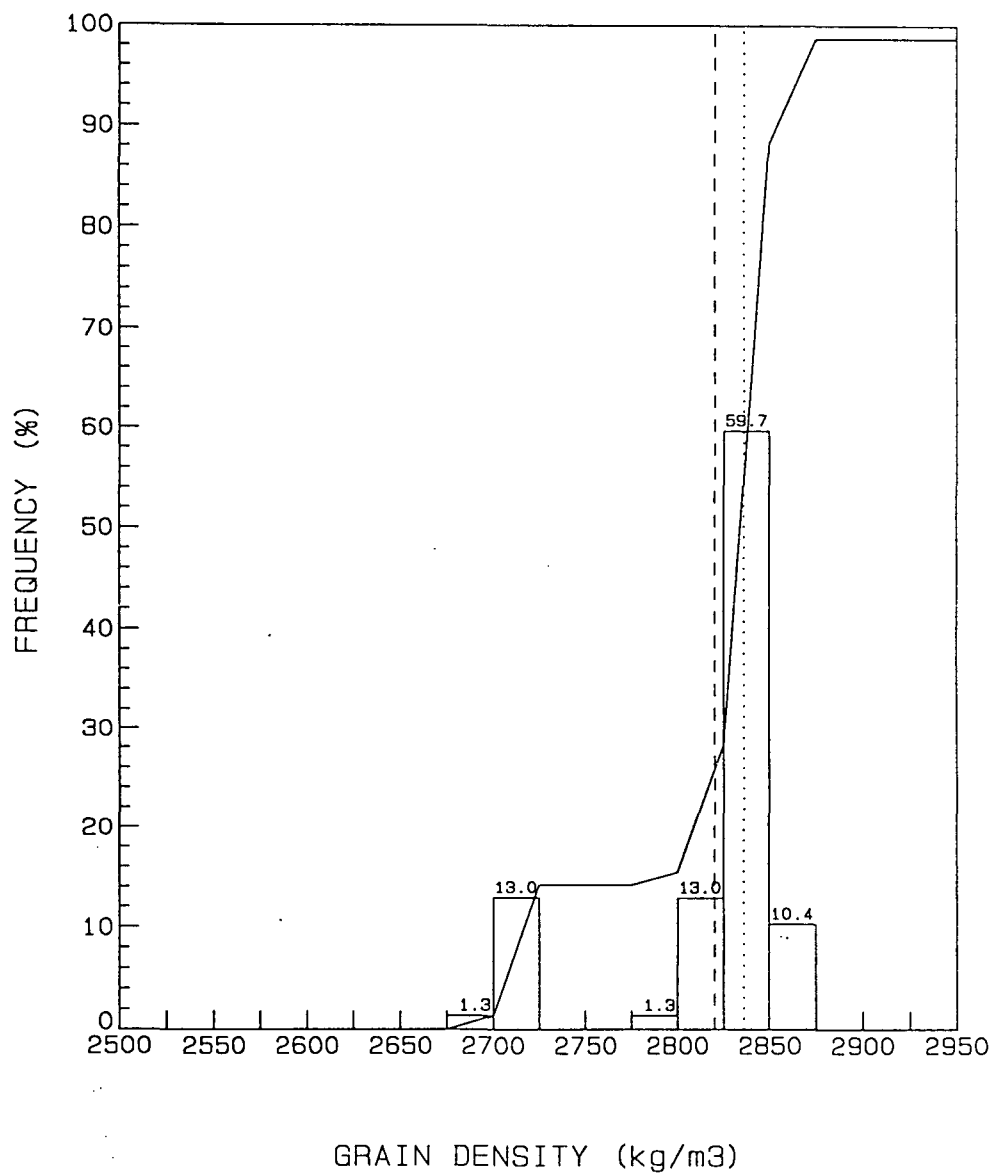
PERMEABILITY Kmax FREQUENCY DISTRIBUTION



Arith. Mean Porosity	----	POROSITY	- Arith. Mean:	.103
Geom. Mean Permeability	----		Median:	.094
Cumulative Frequency %	-----	PERMEABILITY	- Geom. Mean:	2.47
Median			Median:	3.06

COMPANY: PARAMOUNT RESOURCES LTD. FIGURE: 3
 LOCATION: C-75-60-10-117-15 W/O NO: RC4549
 INTERVAL: 1419.00 - 1438.25 m DATE: 94-04-06
 FORMATION: SULPHUR POINT

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean	---	Wt. Avg. Arith. Mean: 2820
Median		Grain Density Median: 2836
Cumulative Frequency %	—	

GENERAL LITHOLOGICAL DESCRIPTIONS

GENERAL LITHOLOGICAL DESCRIPTIONS

Well: PARAMOUNT et al CAMERON
Location: c-75-60-10-117-15
Job No: RC4549

Formation: SULPHUR POINT
Cored Interval: 1) 1419.00-1425.60m
2) 1425.60-1433.40m
3) 1433.40-1438.25m

Recovery: 1) 5.85m
2) 7.45m
3) 4.85m

<u>CORE</u>	<u>DEPTH INTERVAL</u>	<u>CORE ANALYSIS</u>	<u>LITHOLOGY</u>	<u>REMARKS</u>
1	1419.00-1421.10	SP001P 001	Limestone	Light to medium grey-brown; hard; very fine crystalline; local minor micropyrrite; local fossiliferous bed; local siderite beds; scattered stylolites; local inclined stylolites associated with a calcite healed vertical fracture; minor fractures. Tight; light oil stain with dull orange-brown fluorescence.
1	1421.10-1423.00	002-007	Limestone	Light to medium grey; hard; very fine to fine crystalline; rare micropyrrite; scattered stylolites with green to brown shale in filling; rare slicken sides; scattered fractures; local brecciated appearance. Fair intercrystalline fracture porosity; light oil stain with dull yellow-orange fluorescence.
1	1423.00-1424.27	008-010	Limestone	Light to medium grey; hard; very fine to fine crystalline; scattered stylolites; minor slicken sides; scattered minor fractures; local brecciation between 1423.45-1423.67m.; local floating anhydrite and dolomite blebs. Fair intercrystalline porosity; local dull oil stain with light yellow fluorescence.

GENERAL LITHOLOGICAL DESCRIPTIONS

Well: PARAMOUNT et al CAMERON
Location: c-75-60-10-117-15
Job No: RC4549

Formation: SULPHUR POINT
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2) 1425.60-1433.40m
3) 1433.40-1438.25m

Recovery: 1) 5.85m
2) 7.45m
3) 4.85m

<u>CORE</u>	<u>DEPTH INTERVAL</u>	<u>CORE ANALYSIS</u>	<u>LITHOLOGY</u>	<u>REMARKS</u>
1	1424.27-1424.85	011-SP012	Dolomite	Medium grey-brown; locally dark grey; hard; fine crystalline; locally contorted stylolites; vague horizontal laminae; local vertical fractures; partly rubbleized. Fair intercrystalline porosity; dull oil stain with light yellow fluorescence.
1	1424.85-1425.60	NA	LC	Lost Core.
2	1425.60-1428.15	SP002P-SP004P 013-022	Dolomite	Light to medium brown; locally grey; hard; fine crystalline; locally brecciated; trace bitumen; scattered crypt to algal intra clasts; local shale bed at 1426.42m.; local pinpoint vugs; good intercrystalline to pinpoint porosity; locally very good intercrystalline porosity depending on crypt algal clasts. Dull oil stain with local dull yellow-brown fluorescence.
2	1428.15-1428.51	023	Dolomite/ Shale	Light to medium grey; locally dark grey; very fine crystalline; wavy shale laminae; minor brecciation. Tight; local light oil stain with spotty dull orange fluorescence.

GENERAL LITHOLOGICAL DESCRIPTIONS

Well: PARAMOUNT et al CAMERON
Location: c-75-60-10-117-15
Job No: RC4549

Formation: SULPHUR POINT
Cored Interval: 1) 1419.00-1425.60m
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3) 1433.40-1438.25m

Recovery: 1) 5.85m
2) 7.45m
3) 4.85m

<u>CORE</u>	<u>DEPTH INTERVAL</u>	<u>CORE ANALYSIS</u>	<u>LITHOLOGY</u>	<u>REMARKS</u>
2	1428.51-1430.04	SP005P-SP006P 023-SP030	Dolomite	Medium grey to grey-brown; hard; microcrystalline to fine crystalline; minor pinpoint vugs between 1428.82-1429.67m.; wavy crypt algal laminae; local stylolite; minor calcite healed vertical fracture; local minor fractures; rubbleized shale bed at 1429.80m. Poor to fair intercrystalline and vuggy porosity; dull brown oil stain with dull yellow fluorescence.
2	1430.04-1430.70	SP031-033	Dolomite	Light to medium grey-brown; microcrystalline to fine crystalline; local micropyrrite; brecciated bed at top of interval; vague wavy laminae; scattered pinpoint vugs. Local poor intercrystalline and pinpoint porosity; local dull oil stain with dull yellow fluorescence.
2	1430.70-1432.69	SP007P-SP008P 034-042	Dolomite	Light to medium brown; locally grey; fine crystalline; local bitumen; wavy crypt to algal laminae; locally scattered pinpoint vugs; rubbleized between 1430.70-1431.28m.; local pyrobitumen coated vertical fracture. Fair to good intercrystalline; pinpoint and vuggy porosity; dull oil stain with dull yellow fluorescence.

GENERAL LITHOLOGICAL DESCRIPTIONS

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Job No: RC4549

Formation: SULPHUR POINT
Cored Interval: 1) 1419.00-1425.60m
2) 1425.60-1433.40m
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Recovery: 1) 5.85m
2) 7.45m
3) 4.85m

<u>CORE</u>	<u>DEPTH INTERVAL</u>	<u>CORE ANALYSIS</u>	<u>LITHOLOGY</u>	<u>REMARKS</u>
2	1432.69-1433.05	SP043	Dolomite	Light to medium grey-brown; very fine crystalline; minor micropyrrite; local stylolites; minor fractures; rare pinpoint vugs. Poor intercrystalline and vuggy porosity; local light oil stain with local dull yellow-orange fluorescence.
2	1433.05-1433.40	NA	LC	Lost Core.
3	1433.40-1434.01	044-045	Dolomite	Light to medium grey; micro to very fine crystalline; shale bed at 1434.09m.; local stylolites; minor vertical fractures. Poor intercrystalline porosity; local light oil stain with a slight dull orange fluorescence.

GENERAL LITHOLOGICAL DESCRIPTIONS

Well: PARAMOUNT et al CAMERON
Location: c-75-60-10-117-15
Job No: RC4549

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2) 7.45m
3) 4.85m

<u>CORE</u>	<u>DEPTH INTERVAL</u>	<u>CORE ANALYSIS</u>	<u>LITHOLOGY</u>	<u>REMARKS</u>
3	1434.01-1436.83	SP009P-SP012P 046-062	Dolomite	Medium grey-brown; microcrystalline to locally coarsely crystalline; local algal debris; coral debris between 1435.76-1436.03m.; local shale laminae; local wavy algal laminae; locally scattered pinpoint and small vugs; minor local fractures. Good intercrystalline pinpoint and vuggy porosity; locally fair intercrystalline porosity beds; dull brown oil stain with dull yellow fluorescence.
3	1436.83-1438.25	063-SP065	Dolomite	Medium grey to medium brown; locally microcrystalline to locally coarse crystalline; local planar laminae; local fracturing; local minor pinpoint vugs and small vugs; rubbleized from 1437.41-1438.25m. Poor to fair intercrystalline; vuggy and pinpoint porosity; local dull oil stain with local dull yellow orange fluorescence.

SAMPLE HANDLING

AGAT LABORATORIES CORE SERVICES

SAMPLE HANDLING AND ANALYSIS INFORMATION

Company: PARAMOUNT RESOURCES LTD.
Well: PARAMOUNT et al CAMERON
Location: C-75-60-10-117-15
Field:

Coring Equipment: Diamond
Coring Fluid: Water Base Mud
Core Diameter: .07 m
Total Cored: 19.25 m
Total Recovered: 18.15 m

Job Number: RC4549
Date: Apr 06, 1994

HANDLING

Core Transported in: Boxes
Cutting Solution: Water
Cleaning Solvent: Toluene
Extraction: CO2-Toluene
Cleaning Time: 268 hours
Drying Equipment: Conventional oven
Drying Time: 48 hours at 108°C

ANALYSIS

Grain volume measured by Boyle's Law using helium
Bulk volume measured by calipering on right-cylindrical samples
Fluid saturations by retort on end pieces
Permeability measured on 0.07 m full diameter samples
Permeability measured on 38.1 mm diameter drilled plugs
Full diameter core sandblasted Kh measurements

REMARKS

ABBREVIATIONS

COMMON ABBREVIATIONS

abnt	Abundant	c	Coarse (ly)	f	Fine (ly)
abv	Above	calc	Calcite (areous)	fau	Fauna
Alg	Algae (al)	carb	Carbonaceous	Fe	Iron-Ferruginous
alt	Altered (ing)	cbl	Cobble (64-256 mm)	Fe-mag	Ferromagnesian
amor	Amorphous	Ceph	Cephalopod	fenst	Fenestral
Amph	Amphipora	cgl	Conglomerate	fis	Fissile
ang	Angular	chk	Chalk (y)	fl	Fill (ed)
anhy	Anhydrite (ic)	chlor	Chlorite	fld	Feldspar (thic)
app	Appear	cht	Chert	flk	Flake
apr	Apparent	chty	Cherty	flky	Flaky
aprox	Approximate (ly)	cl	Clastic	flor	Fluorescence
arg	Argillaceous	cln	Clean	flt	Fault (ed)
ark	Arkose (ic)	clr	Clear	fltg	Floating
asph	Asphalt (ic)	cly	Clay (ey)	foram	Foraminifera
AST	Assigned similar to (no actual sample taken)	cmt	Cement (ed)	fos	Fossil (iferous)
apha	Aphanitic				
bcm	Become (ing)	col	Color (ed)	fr	Fair
bd	Bed	com	Common	frac	Fracture (ed)
bdd	Bedded	coq	Coquina	frag	Fragment (al)
bdg	Bedding	Cor	Coral	fri	Friable
Belm	Belemnites	crbnt	Carbonate	frmwk	Framework
bent	Bentonite (ic)	Crin	Crinoid (al)	fros	Frosted
bf	Buff	crm	Cream		
biocl	Bioclastic	crpxl	Cryptocrystalline	g	Good
bioturb	Bioturbated	ctc	Contact	Gast	Gastropod
bit	Bitumen (inous)			gl	Glass (y)
bl	Blue (ish)	deb	Debris	glau	Glaucinite (ic)
blk	Black	decr	Decrease (ing)	gn	Green
blky	Blocky	desi	Desiccation	gr	Grain (ed)
bnd	Band (ed)	dism	Disseminated	gran	Granular
Brac	Brachiopod	dk	Dark (er)	grd	Grade (ed)
brec	Breccia (ted)	dns	Dense (er)	grnl	Granule (2-4 mm)
bri	Bright	dol	Dolomite (ic)	gy	Grey
brit	Brittle	drsy	Druse (y)	gyp	Gypsum (iferous)
brn	Brown	dtrl	Detrital (us)		
Bry	Bryozoa				
bulb	Bulbous	elg	Elongate		
bur	Burrowed	euhed	Euhedral		

COMMON ABBREVIATIONS (CONTINUED)

hd	Hard	m	Medium	pk	Pink
hfrac	Horizontal Fracture	mar	Maroon	plag	Plagioclase
hi	High	mas	Massive	plcy	Pelecypod
hrtl	Horizontal	mat	Material, matter	pl	Plant
hvy	Heavy	mica	Mica (ceous)	plty	Platy
hydc	Hydrocarbon	mic	Micro	por	Porous (sity)
		mky	Milky	pos	Possible (ility)
ig	Igneous	mnr	Minor	p-p	Pin-Point
imbed	Imbedded	mnrl	Mineral (ized)	pred	Predominant (ly)
imp	Impression	mnut	Minute	prim	Primary
incl	Included (sion)	Mol	Mollusca	prob	Probable (ly)
incr	Increase	mot	Mottled	prom	Prominent (ly)
indst	Indistinct	mrly	Marly	pt	Part (ly)
intbd	Interbedded	mtx	Matrix	ptch	Patch (es)
intcl	Intraclast (s)			ptg	Parting
intfrag	Interfragmental	n	No, none, non	purp	Purple
intgran	Intergranular	nod	Noodule	pyr	Pyrite (ic) (ized)
intlaml	Interlaminated	num	Numerous	pyrbit	Pyrobitumen
intr	Intrusion (ive)				
intv	Interval	o	Oil	qtz	Quartz
intxl	Intercrystalline	occ	Occasional	qtzc	Quartzitic
ireg	Irregular	od	Odor	qtzs	Quartzose
ird	Iridescent	ool	Oolite (ic)		
intrsk	Intraskeletal	op	Opaque	rd	Round (ed)
		org	Organic	repl	Replaced (ing) (ment)
kao	Kaolin	orng	Orange	rexl	Recrystallized
		orth	Orthoclase	rmn	Remains (nant)
lam	Laminated	Ost	Ostracod	rr	Rare
lchd	Leached	ovgth	overgrowth	rsns	Resinous
len	Lentil (cular)	ox	Oxidized	rthy	Earthy
lith	Lithographic				
lmy	Limy	p	Preliminary (as suffix)	s	Small
lrg	Large (er)	pbl	Pebble (4-64 mm)	sa	Salt (y)
ls	Limestone	pel	Pellet	S	Sulphur
lse	Loose	perm	permeability	s&p	Salt & Pepper
lstr	Lustre	pet	Petroleum (iferous)	sat	Saturated
lt	Light (er)	phos	Phosphate (ic)	sb	Sub

COMMON ABBREVIATIONS (CONTINUED)

sc	Scales	thru	Throughout	*	Broken core
scat	Scattered	tr	Trace	>10000	Permeability over
sd	Sand (1/16 - 2mm)	trnsl	Translucent		10000 mD
sdv	Sandy	trnsp	Transparent	<0.01	Permeability less
sec	Secondary	tt	Tight		than 0.01 mD
sed	Sediment (ary)	tub	Tubular	CC	Cracked Core
sft	Soft			DR	Drilled
sh	Shale	uncons	Unconsolidated	LC	Lost Core
shad	Shadow	unident	Unidentifiable	RU	Rubble
shy	Shaly	up	Upper	mD	milliDarcy
sid	Siderite (ic)				
sil	Silica	v	Very		
sks	Slickensided	var	Variable		
sl	Slight (ly)	vcol	Varicolored		
sln	Solution	vfrac	Vertical Fracture		
slt	Silt	vgt	Varigated		
sltst	Siltstone	vn	Vein		
slty	Silty	vrtl	Vertical		
sm	Smooth	vug	Vug (gy) (ular)		
SP	Small Plug (as prefix)				
sp	Spot (ted) (ty)	/	With		
spec	Speck (led)	w	Well		
spl	Sample	wh	White		
srt	Sort (ed) (ing)	wk	Weak		
strg	Stringer	wthrd	Weathered		
Strom	Stromatoporoid	wtr	Water		
stromlt	Stromatolite	wvy	Wavy		
struc	Structure	wxy	Waxy		
styl	Stylolite (ic)	wsrt	Well sorted		
suc	Sucrosic				
sug	Sugary	xbd	Cross-bedded		
sup	Supported	xbdg	Cross-bedding		
surf	Surface	xl	Crystal (line)		
sz	Size	xlam	Cross-laminated		
tab	Tabular	yel	Yellow		
tex	Texture				
Tham	Thamnopora	zn	Zone		
thk	Thick				
thn	Thin				

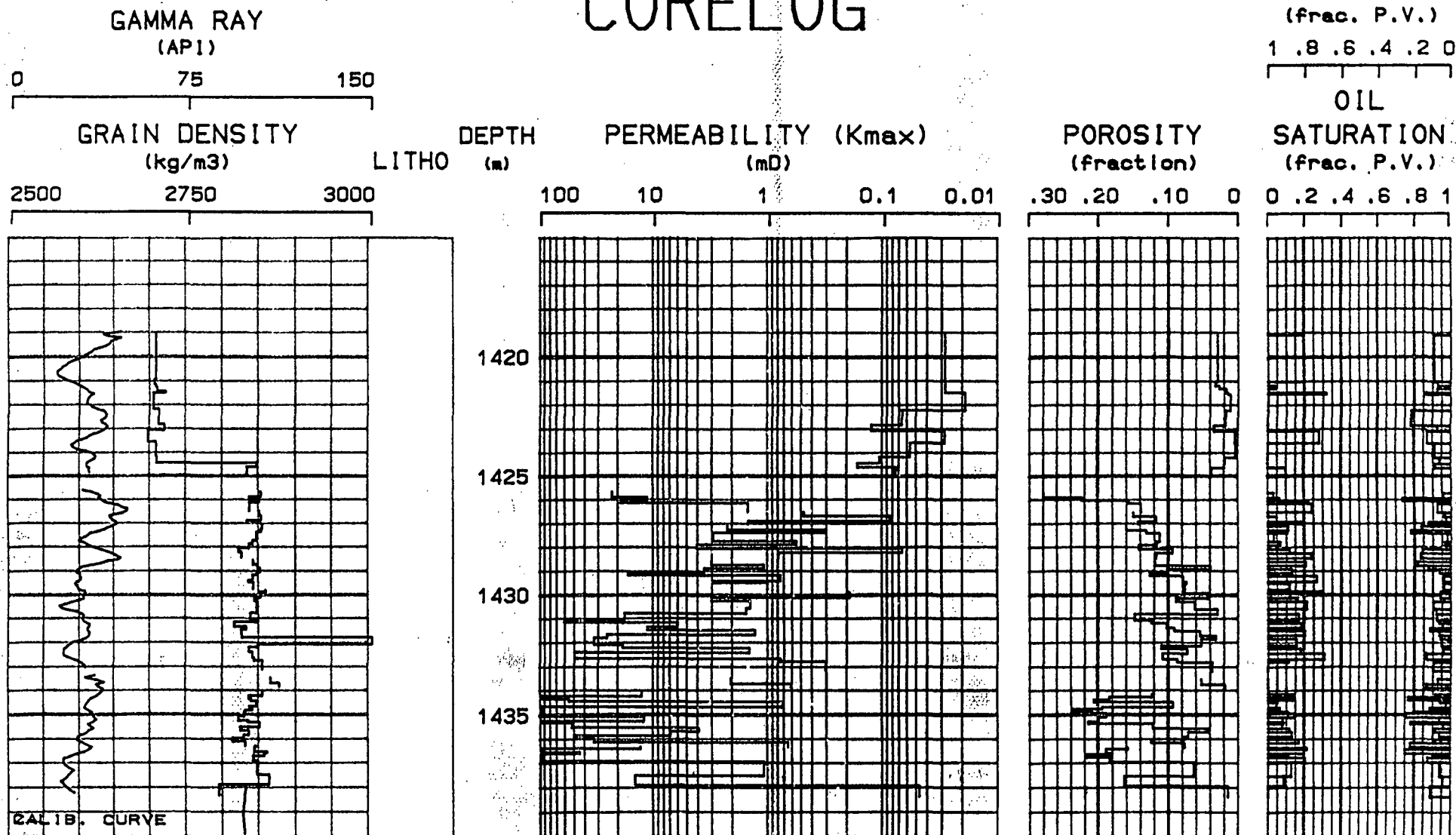
CORE LOG

COMPANY: PARAMOUNT RESOURCES LTD.
WELL: PARAMOUNT at a1 CAMERON
LOCATION: C-75-60-10-117-15
FIELD:
FORMATION(S): SULPHUR POINT
W/O: RC4549



RECOVERY: 18.15 m
CORED INTERVAL: 1419.00 - 1438.25
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG



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