

AGAT Laboratories
Core Services Division

CALGARY COPY

CORE ANALYSIS REPORT

PARA et al CAMERON M-73
60-10N-117-15W

9211-P33-4-7

Prepared for:

PARAMOUNT RESOURCES LTD.

RC3070/76
Apr 1991



3801-21st Street NE
Calgary, Alberta
T2E 6T5
Tel. 299-2000

4954-89th Street
Edmonton, Alberta
T6E 5K1
Tel. 465-0265

9625-115th Street
Grande Prairie
T0J 0J0
Tel. 362-5422

AGAT LABORATORIES CORE SERVICES

TABLE OF CONTENTS

	<u>PAGE</u>
Final Core Analysis Data	1
Quality Control Report	8
Calculated Data Report	15
Grouping by Porosity Ranges	22
Grouping by Permeability Ranges	25
Statistical Data for Porosity and Permeability Histogram - Porosity Cut Off	28
Statistical Data for Porosity and Permeability Histogram - Permeability Cut Off	31
Summary of Core Data Report	34
Porosity - Permeability Correlation	Figure 1,2 & 3
Porosity - Permeability Frequency Distribution	Figure 4,5 & 6
Grain Density Frequency Distribution	Figure 7,8 & 9
 <u>General Information</u>	
Sample Handling and Analysis Information	
Abbreviations	
Core Logs	

CORE ANALYSIS DATA

**PARA et al CAMERON M-73
60-10N-117-15W**

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 1
W/O No: RC3070
Date: 26-03-91

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	
CORE NO. 1 1343.00 - 1361.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 16)													
NA	1343.00	1343.68	.68	-	-	-	-	-	-	-	-	-	ls
001	1343.68	1344.98	1.30	.12	.01	<.01	<.01	.013	2670	2710	.603	.257	ls;f-mxln;scat vugs;vfrac
SP1P	1344.98	1345.42	.44	-	.10	-	-	.055	2570	2720	.175	.211	ls;f-mxln
002	1345.42	1345.64	.22	.11	4.13	1.58	.73	.085	2500	2730	.098	.059	ls;f-mxln;mugs;styl
003	1345.64	1345.85	.21	.07	13.8	1.94	.50	.099	2460	2730	.364	.191	ls;f-mxln;vugs
004	1345.85	1346.31	.46	.10	.09	.09	.08	.061	2560	2720	.701	.299	ls;f-mxln;styl
005	1346.31	1346.79	.48	.10	.10	.04	.03	.041	2580	2690	.656	.061	ls;f-mxln;sl arg
006	1346.79	1347.54	.75	.10	2.52	.03	2.34	.044	2610	2730	.641	.067	ls;f-mxln;vfrac
NA	1347.54	1348.02	.48	-	-	-	-	-	-	-	-	-	ls;arg
007	1348.02	1348.36	.34	.09	1.87	1.06	.03	.029	2620	2700	.218	.093	ls;f-mxln;p-pvugs;hfrac
NA	1348.36	1348.83	.47	-	-	-	-	-	-	-	-	-	ls;arg
008	1348.83	1349.66	.83	.10	.15	.09	.15	.033	2640	2730	.520	.109	ls;f-mxln;p-pvugs;styl
NA	1349.66	1349.87	.21	-	-	-	-	-	-	-	-	-	ls;arg
009	1349.87	1350.10	.23	.10	.04	.03	.02	.043	2600	2710	.275	.115	ls;fxln;styl;arg lam
010	1350.10	1350.83	.73	.10	.14	.10	.03	.061	2560	2730	.233	.065	ls;fxln;p-pvugs
011	1350.83	1351.21	.38	.07	.10	.10	.06	.069	2540	2720	.281	.142	ls;fxln;arg lam
012	1351.21	1351.81	.60	.08	.06	.06	<.01	.069	2530	2720	.450	.126	ls;fxln;p-pvugs
013	1351.81	1352.26	.45	.12	.05	.04	.02	.073	2520	2720	.284	.068	ls;fxln;arg lam
NA	1352.26	1353.20	.94	-	-	-	-	-	-	-	-	-	ls;PART RUBBLE
014	1353.20	1353.80	.60	.12	.05	.04	.95	.060	2550	2720	.341	.123	ls;fxln;p-pvugs
015	1353.80	1354.08	.28	.11	.10	.10	.05	.057	2570	2720	.110	.047	ls;fxln;scat vugs;vfrac
016	1354.08	1354.39	.31	.12	21.3	.22	1.69	.086	2510	2740	.257	.065	ls;fxln;p-pvugs;vfrac

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 2
W/O No: RC3070
Date: 26-03-91

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	
017	1354.39	1354.60	.21	.10	.94	.37	.38	.092	2490	2740	.275	.101	ls;fxln;p-pvugs;vfrac
SP2P	1354.60	1354.80	.20	-	.06	-	-	.071	2530	2720	.551	.308	ls;fxln;p-pvugs
018	1354.80	1355.10	.30	.12	.84	.57	.58	.065	2580	2760	.241	.041	ls;fxln;p-pvugs;vfrac
019	1355.10	1355.43	.33	.08	>10000. *	.14	>10000. *	.071	2540	2730	.325	.117	ls;fxln;p-pvugs;vfrac
NA	1355.43	1355.95	.52	-	-	-	-	-	-	-	-	-	ls
020	1355.95	1356.22	.27	.11	2.19	.09	4.43	.068	2540	2730	.104	.045	ls;fxln;p-pvugs;vfrac
021	1356.22	1356.61	.39	-	2.51	2.42	.05	.065	2530	2700	.227	.064	ls;f-mxln;vugs;styl
022	1356.61	1357.02	.41	.11	<.01	<.01	<.01	.023	2630	2700	.286	.060	ls;ls;fxln;scat vugs
023	1357.02	1357.33	.31	.13	<.01	<.01	<.01	.035	2610	2710	.192	.108	ls;fxln;scat vugs;arg
024	1357.33	1357.45	.12	.07	.03	<.01	<.01	.035	2620	2710	.206	.058	ls;fxln;scat vugs
SP3P	1357.45	1357.61	.16	-	.20	-	-	.040	2580	2690	.558	.201	ls;fxln;p-pvugs;arg lam
025	1357.61	1357.82	.21	.12	.05	.03	.01	.055	2570	2720	.341	.072	ls;fxln;vugs
026	1357.82	1358.02	.20	.08	.10	.07	.04	.062	2550	2720	.213	.045	ls;fxln;p-pvugs
027	1358.02	1358.19	.17	.08	.10	.09	.08	.058	2560	2720	.242	.076	ls;fxln;p-pvugs
028	1358.19	1358.51	.32	.13	.06	.02	.02	.044	2600	2720	.162	.069	ls;fxln;scat;p-pvugs
029	1358.51	1359.04	.53	.11	.23	.22	.01	.050	2570	2700	.350	.059	ls;f-mxln;p-pvugs;styl
SP4P	1359.04	1359.24	.20	-	.15	-	-	.046	2570	2700	.536	.225	ls;f-mxln;scat p-pvugs
NA	1359.24	1359.30	.06	-	-	-	-	-	-	-	-	-	ls;arg lam
030	1359.30	1359.60	.30	.12	.24	.17	.07	.051	2570	2700	.282	.067	ls;fxln;p-pvugs;styl
031	1359.60	1360.65	1.05	.08	>10000. *	.23	>10000. *	.098	2460	2720	.346	.042	ls;fxln;p-pvugs;vfrac
LC	1360.65	1361.00	.35	-	-	-	-	-	-	-	-	-	lost core

CORE NO. 2 1361.00 - 1377.60 (RECEIVED/CUT = 16.60/16.60m TOTAL BOXES = 15)

032	1361.00	1361.26	.26	.06	1.82	.46	.15	.063	2540	2710	.419	.070	ls;flxn;p-pvugs;hfrac
-----	---------	---------	-----	-----	------	-----	-----	------	------	------	------	------	-----------------------

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 3
W/O No: RC3070
Date: 26-03-91

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	
SP033	1361.26	1361.50	.24	-	.12	-	-	.070	2520	2710	.398	.061	ls;fxln;scat p-pvugs
034	1361.50	1361.68	.18	.10	.05	.02	<.01	.059	2530	2690	.099	.042	ls;fxln;p-pvugs
035	1361.68	1361.90	.22	.07	.17	.14	.01	.076	2520	2720	trc	.088	ls;fxln;p-pvugs;styl
036	1361.90	1362.14	.24	.14	.05	.02	<.01	.062	2530	2700	.526	.041	ls;fxln;p-pvugs
SP5P	1362.14	1362.30	.16	-	.19	-	-	.080	2490	2710	.164	.166	ls;fxln;p-pvugs
037	1362.30	1362.53	.23	.12	.10	.08	<.01	.063	2550	2720	.353	.038	ls;fxln;p-pvugs;arg lam
038	1362.53	1362.73	.20	.11	.28	.06	<.01	.037	2600	2700	.000	.139	ls;fxln;styl;hfrac
039	1362.73	1362.92	.19	.12	.31	.22	<.01	.033	2620	2710	.412	.091	ls;fxln;styl
040	1362.92	1363.11	.19	.09	<.01	<.01	<.01	.011	2680	2710	.000	.232	ls;fxln
NA	1363.11	1363.65	.54	-	-	-	-	-	-	-	-	-	ls;arg lam
041	1363.65	1363.90	.25	.08	.13	.11	.04	.036	2610	2710	.222	.077	ls;fxln;scat vugs;arg lam
042	1363.90	1364.17	.27	.11	.16	.16	.13	.064	2560	2730	.139	.030	ls;fxln;p-pvugs
SP6P	1364.17	1364.56	.39	-	.12	-	-	.085	2480	2710	.378	.181	ls;fxln;scat;p-pvugs
043	1364.56	1364.80	.24	.14	.46	.20	.42	.082	2490	2720	.250	.024	ls;fxln;p-pvugs;vfrac
044	1364.80	1365.08	.28	.13	.38	.37	.02	.086	2490	2720	.090	.020	ls;fxln;vugs
045	1365.08	1365.35	.27	.12	.74	.61	.01	.095	2470	2730	.163	.028	ls;fxln;p-pvugs
046	1365.35	1365.66	.31	.12	<.01	<.01	<.01	.046	2590	2720	.000	.091	ls;fxln;scat;p-pvugs;vfrac
047	1365.66	1365.99	.33	.11	.86	.03	.02	.049	2580	2710	.439	.037	ls;fxln;p-pvugs
048	1365.99	1366.22	.23	.11	.25	.15	.01	.071	2520	2720	.000	.055	ls;fxln;p-pvugs;styl
SP049	1366.22	1366.30	.08	-	.21	-	-	.061	2540	2700	.383	.030	ls;fxln;scat vugs
050	1366.30	1366.53	.23	.11	.19	.15	.04	.062	2550	2720	.000	.064	ls;fxln;p-pvugs;styl
051	1366.53	1366.70	.17	.10	.49	.33	.05	.075	2520	2730	.192	.028	ls;fxln;p-pvugs
052	1366.70	1366.85	.15	.08	.42	.17	<.01	.033	2620	2710	.363	.052	ls;fxln;p-pvugs;styl;hfrac
053	1366.85	1366.98	.13	.07	2.11	.15	.65	.045	2590	2710	.347	.061	ls;fxln;p-pvugs;vfrac
054	1366.98	1367.22	.24	.11	.65	.19	<.01	.047	2580	2710	.227	.050	ls;fxln;p-pvugs;styl;hfrac

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 4
W/O No: RC3070
Date: 26-03-91

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	
055	1367.22	1367.42	.20	.11	3.02	.16	.08	.043	2590	2710	.198	.103	ls;fxln;p-pvugs;arg;vfrac
056	1367.42	1367.62	.20	.07	.19	.04	.17	.066	2540	2720	.237	.022	ls;fxln;p-pvugs;vfrac
057	1367.62	1367.95	.33	.10	3.56	.19	1.27	.075	2510	2720	.129	.028	ls;fxln;p-pvugs;vfrac
058	1367.95	1368.17	.22	.09	76.8 *	.90	.41	.039	2600	2710	.415	.051	ls;fxln;p-pvugs;styl;frac
059	1368.17	1368.83	.66	.08	>10000. *	1.91	>10000. *	.070	2530	2720	.576	.179	ls;fxln;vfrac
060	1368.83	1369.05	.22	.10	3.16	.08	5.05	.068	2520	2710	.000	.106	ls;fxln;p-pvugs;styl;vfrac
061	1369.05	1369.34	.29	.09	>10000. *	<.01	>10000. *	.041	2600	2710	.000	.148	ls;fxln;vfrac
NA	1369.34	1377.60	8.26	-	-	-	-	-	-	-	-	-	ls;arg
CORE NO. 3 1397.00 - 1407.00 (RECEIVED/CUT = 10.00/10.00m TOTAL BOXES = 9)													
SP062	1397.00	1397.12	.12	-	16.3	-	-	.130	2360	2710	.315	.046	ls;fxln
NA	1397.12	1397.34	.22	-	-	-	-	-	-	-	-	-	ls;shy
SP063	1397.34	1397.62	.28	-	.21	-	-	.062	2530	2700	.326	.052	ls;fxln;arg lam
NA	1397.62	1397.80	.18	-	-	-	-	-	-	-	-	-	ls;shy
SP001P	1397.80	1398.08	.28	-	.11	-	-	.026	2630	2700	.000	.278	ls;fxln
NA	1398.08	1398.27	.19	-	-	-	-	-	-	-	-	-	ls;shy
064	1398.27	1398.48	.21	.08	.55	.41	.24	.074	2520	2720	.059	.038	ls;fxln;p-pvugs;arg lam
065	1398.48	1398.65	.17	.09	13.7	13.3	2.11	.123	2380	2710	.000	.047	ls;fxln;p-pvugs
066	1398.65	1398.89	.24	.08	1.57	1.54	.45	.074	2510	2710	.000	.053	ls;fxln;p-pvugs
NA	1398.89	1399.38	.49	-	-	-	-	-	-	-	-	-	ls
067	1399.38	1399.84	.46	.09	.43	.42	.12	.072	2520	2710	.157	.034	ls;fxln;p-pvugs
NA	1399.84	1400.58	.74	-	-	-	-	-	-	-	-	-	ls
068	1400.58	1400.94	.36	.09	.91	.28	.11	.051	2580	2720	.000	.383	ls;fxln;p-pvugs;vfrac
SP002P	1400.94	1401.42	.48	-	-	-	-	.058	2550	2710	.196	.099	ls;fxln

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 5
W/O No: RC3070
Date: 26-03-91

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	
069	1401.42	1401.70	.28	.08	1.18	1.13	.05	.080	2500	2720	.000	.035	ls;fxln
070	1401.70	1402.03	.33	.13	34.5	23.6	11.1	.134	2350	2720	.000	.015	ls;fxln;p-pvugs
071	1402.03	1402.28	.25	.08	35.0	16.5	2.12	.154	2300	2710	.129	.109	ls;fxln;p-pvugs
072	1402.28	1402.48	.20	.06	15.0	14.4	2.40	.127	2370	2710	.091	.154	ls;fxln;p-pvugs
SP073	1402.48	1402.62	.14	-	4.89	-	-	.093	2450	2700	.178	.166	ls;fxln;p-pvugs
074	1402.62	1402.96	.34	.11	.68	-	.11	.066	2540	2720	.107	.046	ls;fxln;p-pvugs
NA	1402.96	1403.41	.45	-	-	-	-	-	-	-	-	-	ls;shy
SP003P	1403.41	1403.70	.29	.06	.04	-	-	.014	2670	2710	.000	.189	ls;fxln;arg lam
NA	1403.70	1405.25	1.55	-	-	-	-	-	-	-	-	-	ls;shy
SP004P	1405.25	1405.50	.25	-	.05	-	-	.034	2620	2720	.000	.158	ls;fxln
075	1405.50	1406.56	1.06	.10	.21	.17	.04	.030	2640	2720	.171	.292	ls;fxln;arg
SP076	1406.56	1407.00	.44	-	.10	-	-	.053	2690	2840	.144	.041	dol;fxln;arg
CORE NO. 4 1407.00 - 1425.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 17)													
077	1407.00	1407.67	.67	.12	.06	.05	.02	.040	2740	2850	.062	.473	dol;f-mxln
NA	1407.67	1408.07	.40	-	-	-	-	-	-	-	-	-	dol;arg
SP005P	1408.07	1408.35	.28	-	.07	-	-	.042	2650	2760	.217	.194	dol;fxln;sl arg
NA	1408.35	1408.76	.41	-	-	-	-	-	-	-	-	-	dol;arg
SP078	1408.76	1408.93	.17	-	.46	-	-	.062	2680	2850	.095	.107	dol;fxln;arg
NA	1408.93	1409.20	.27	-	-	-	-	-	-	-	-	-	dol;shy
079	1409.20	1409.50	.30	.08	2.86	2.77	.98	.086	2600	2850	.089	.271	dol;fxln;scat vugs;arg lam
NA	1409.50	1409.58	.08	-	-	-	-	-	-	-	-	-	dol;shy
SP006P	1409.58	1409.70	.12	-	.53	-	-	.065	2650	2830	.254	.102	dol;fxln
080	1409.70	1409.93	.23	.11	2.43	1.04	.37	.059	2690	2860	.114	.032	dol;fxln;vugs;vfrac

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 6
W/O No: RC3070
Date: 26-03-91

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	
081	1409.93	1410.15	.22	.11	8.83	7.10	.56	.074	2640	2860	.118	.020	dol;fxln;vugs;cracks
082	1410.15	1410.25	.10	.08	6.20	2.43	.37	.082	2630	2860	.131	.044	dol;fxln;vugs
NA	1410.25	1410.70	.45	-	-	-	-	-	-	-	-	-	dol;shy
SP007P	1410.70	1410.96	.26	-	.63	-	-	.129	2480	2840	.121	.172	dol;fxln;vugs
083	1410.96	1411.13	.17	.09	27.0	19.5	5.26	.161	2390	2850	.046	.195	dol;fxln;vugs;foss
084	1411.13	1411.50	.37	.13	1.76	1.31	.32	.127	2500	2860	.095	.199	dol;fxln;foss;arg
085	1411.50	1411.64	.14	.07	16.1	16.0	1.16	.087	2610	2860	.160	.045	dol;fxln;vugs
NA	1411.64	1411.76	.12	-	-	-	-	-	-	-	-	-	dol;shy
086	1411.76	1412.11	.35	.11	1430.	161.	.95	.064	2670	2850	.186	.031	dol;fxln;vugs;cracks
087	1412.11	1412.23	.12	.06	7.54	5.73	2.98	.085	2610	2850	.067	.227	dol;fxln;vugs;arg
NA	1412.23	1412.30	.07	-	-	-	-	-	-	-	-	-	dol;shy
SP008P	1412.30	1412.55	.25	-	112.	-	-	.218	2230	2850	.484	.340	dol;fxln;vugs
SP088	1412.55	1412.65	.10	-	29.2	-	-	.076	2630	2840	.061	.085	dol;fxln;vugs
089	1412.65	1412.80	.15	.05	140.	108.	58.9	.138	2440	2840	.230	.064	dol;fxln;vugs
090	1412.80	1413.02	.22	.12	21.1	1.14	22.1	.064	2670	2850	.483	.034	dol;fxln;vugs;vfrac
SP091	1413.02	1413.11	.09	-	728.	-	-	.166	2380	2850	.230	.035	dol;fxln;vugs
NA	1413.11	1413.22	.11	-	-	-	-	-	-	-	-	-	dol;shy
092	1413.22	1414.09	.87	.10	11.7	9.26	1.15	.058	2690	2860	.156	.033	dol;fxln;vugs;vfrac
093	1414.09	1414.28	.19	.09	321. *	39.2 *	67.0 *	.043	2730	2860	.298	.063	dol;fxln;vugs;frac
SP009P	1414.28	1414.55	.27	-	.04	-	-	.020	2780	2840	trc	.188	dol;fxln
094	1414.55	1414.76	.21	.05	15.3	7.50	1.78	.092	2600	2870	.162	.068	dol;fxln
095	1414.76	1415.02	.26	.09	2.95	.39	5.61	.017	2780	2830	.226	.096	dol;fxln;scat vugs;vfrac
NA	1415.02	1415.58	.56	-	-	-	-	-	-	-	-	-	dol;PART RUBBLE
096	1415.58	1415.96	.38	.12	3.14	2.49	.14	.039	2750	2860	.146	.124	dol;fxln;scat vugs;arg alm
097	1415.96	1416.24	.28	.12	134. *	1.43	54.4 *	.060	2680	2850	.062	.279	dol;fxln;scat vugs;vfrac

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 7
W/O No: RC3070
Date: 26-03-91

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	
SP098	1416.24	1416.68	.44	-	2.48	-	-	.088	2590	2840	.186	.156	dol;fxln;p-pvugs
SP010P	1416.68	1416.90	.22	-	7.86	-	-	.035	2740	2840	trc	.121	dol;fxln;frac
SP011P	1416.90	1417.04	.14	-	.82	-	-	.077	2630	2850	.817	.108	dol;fxln;vugs
099	1417.04	1417.28	.24	.10	23.0	20.9	8.33	.092	2600	2860	.196	.024	dol;fxln;vugs
100	1417.28	1417.66	.38	.12	14.2	6.72	2.71	.110	2550	2860	.146	.329	dol;fxln;vugs;hfrac
101	1417.66	1417.96	.30	.06	91.6	32.0	33.8	.060	2660	2830	.284	.120	dol;fxln;biomolds;vfrac
102	1417.96	1418.23	.27	.12	29.3	18.4	13.4	.068	2640	2830	.290	.049	dol;fxln;vugs
103	1418.23	1418.41	.18	.08	60.3	26.3	1.32	.037	2730	2830	.554	.236	dol;fxln;vugs;hfrac
SP012P	1418.41	1418.51	.10	-	55.1	-	-	.149	2420	2850	.391	.092	dol;fxln;vugs
104	1418.51	1419.03	.52	.13	27.6	14.3	11.9	.067	2670	2860	.437	.110	dol;fxln;vugs;frac
SP105	1419.03	1419.11	.08	-	.12	-	-	.049	2710	2850	.402	.056	dol;fxln;p-pvugs
106	1419.11	1419.38	.27	.10	1.02	.90	-	.070	2660	2860	.241	.101	dol;fxln;vugs
107	1419.38	1419.59	.21	.08	438. *	19.9 *	.55	.063	2680	2860	.081	.023	dol;fxln;vugs;vfrac
SP108	1419.59	1419.74	.15	-	1.67	-	-	.101	2580	2860	.160	.119	dol;fxln
SP013P	1419.74	1419.87	.13	-	.19	-	-	.067	2640	2830	.314	.312	dol;fxln;vugs
109	1419.87	1420.27	.40	.12	5.24	3.99	1.27	.138	2470	2860	.276	.181	dol;fxln;p-pvugs
110	1420.27	1420.45	.18	.10	2.33	2.22	1.82	.059	2680	2850	.182	.307	dol;fxln;vugs;arg lam;frac
NA	1420.45	1420.53	.08	-	-	-	-	-	-	-	-	-	dol;shy
111	1420.53	1420.84	.31	.11	170. *	.08	49.8 *	.014	2690	2730	.200	.085	ls;fxln;scat p-pvugs;vfrac
NA	1420.84	1424.80	3.96	-	-	-	-	-	-	-	-	-	dol;shy
SP014P	1424.80	1425.00	.20	-	<.01	-	-	.017	2740	2780	.532	.119	dol;fxln

* - Affected by fracture or crack as mentioned in remarks

CORE ANALYSIS - QUALITY CONTROL REPORT

DATE: 4- 5-1991

WORK ORDER: RC3070
 COMPANY: PARAMOUNT RESOURCES
 WELL: PARA et al CAMERON M-73
 LOCATION: 60-10N-117-15W

CORE NO.1 1343.00 - 1361.00 REC:18.00

NA	1343.00	1343.68			
001	1343.68	1344.98			
SP1P	1344.98	1345.42			
002	1345.42	1345.64			
003	1345.64	1345.85			
004	1345.85	1346.31			
005	1346.31	1346.79			
006	1346.79	1347.54			
-KMAX	(2.52)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.40)	Vertical fracture
-KV	(2.34)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.11)	Vertical fracture
-K90	(.03)	IS LESS THAN KV (2.34)			Vertical fracture
NA	1347.54	1348.02			
007	1348.02	1348.36			
-KMAX	(1.87)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.10)	Horizontal fracture
-K90	(1.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.08)	Horizontal fracture
NA	1348.36	1348.83			
008	1348.83	1349.66			
-KV	(.15)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.04)	Vertical fracture
-K90	(.09)	IS LESS THAN KV (.15)			Vertical fracture
NA	1349.66	1349.87			
009	1349.87	1350.10			
010	1350.10	1350.83			
011	1350.83	1351.21			
012	1351.21	1351.81			
-KMAX	(.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.11 -	3.78)	Result verified
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.10)	Result verified
013	1351.81	1352.26			
-KMAX	(.05)	IS OUTSIDE FOUR STANDARD DEVIATION (	.15 -	5.43)	Result verified
-K90	(.04)	IS OUTSIDE FOUR STANDARD DEVIATION (	.05 -	1.90)	Result verified
-KV	(.02)	IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.60)	Result verified
NA	1352.26	1353.20			
014	1353.20	1353.80			
-KV	(.95)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.48)	Vertical fracture

-KMAX (	.05)	IS LESS THAN KV (	.95)		Vertical fracture
-K90 (	.04)	IS LESS THAN KV (	.95)		Vertical fracture
015	1353.80	1354.08			
016	1354.08	1354.39			
-KMAX (	21.34)	IS OUTSIDE FOUR STANDARD DEVIATION (	.49 -	17.53)	Vertical fracture
-K90 (	.22)	IS LESS THAN KV (	1.69)		Vertical fracture
017	1354.39	1354.60			
-K90 (	.37)	IS LESS THAN KV (	.38)		Vertical fracture
SP2P	1354.60	1354.80			
-KMAX (	.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.13 -	4.53)	Vertical fracture
018	1354.80	1355.10			
-K90 (	.57)	IS LESS THAN KV (	.58)		Vertical fracture
019	1355.10	1355.43			
-KMAX (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	.13 -	4.53)	Open vertical fracture
-KV (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.32)	Open vertical fracture
-K90 (	.14)	IS LESS THAN KV (10200.00)			Open vertical fracture
NA	1355.43	1355.95			
020	1355.95	1356.22			
-KV (	4.43)	IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.00)	Vertical fracture
-KMAX (	2.19)	IS LESS THAN KV (	4.43)		Vertical fracture
-K90 (	.09)	IS LESS THAN KV (	4.43)		Vertical fracture
021	1356.22	1356.61			
-K90 (	2.42)	IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.07)	Result verified
022	1356.61	1357.02			
023	1357.02	1357.33			
024	1357.33	1357.45			
SP3P	1357.45	1357.61			
025	1357.61	1357.82			
026	1357.82	1358.02			
027	1358.02	1358.19			
028	1358.19	1358.51			
029	1358.51	1359.04			
SP4P	1359.04	1359.24			
NA	1359.24	1359.30			
030	1359.30	1359.60			
031	1359.60	1360.65			
-KMAX (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	1.44 -	51.74)	Open vertical fracture
-K90 (	.23)	IS OUTSIDE FOUR STANDARD DEVIATION (	.31 -	11.22)	Result verified
-KV (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	.45 -	16.36)	Open vertical fracture
-K90 (	.23)	IS LESS THAN KV (10200.00)			Open vertical fracture
LC	1360.65	1361.00			

CORE NO.2 1361.00 - 1377.60 REC:16.60

032 1361.00 1361.26

SP033	1361.26	1361.50			
034	1361.50	1361.68			
035	1361.68	1361.90			
-KMAX	(.17)	IS OUTSIDE FOUR STANDARD DEVIATION	(.20 -	7.11)	Result verified
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION	(.06 -	2.11)	Stylolite
036	1361.90	1362.14			
SP5P	1362.14	1362.30			
-KMAX	(.19)	IS OUTSIDE FOUR STANDARD DEVIATION	(.28 -	10.21)	Result verified
037	1362.30	1362.53			
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION	(.02 -	.63)	Argillaceous laminae
038	1362.53	1362.73			
-KMAX	(.28)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.21)	Horizontal fracture
039	1362.73	1362.92			
-KMAX	(.31)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.15)	Result verified
-K90	(.22)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.11)	Result verified
040	1362.92	1363.11			
NA	1363.11	1363.65			
041	1363.65	1363.90			
042	1363.90	1364.17			
SP6P	1364.17	1364.56			
-KMAX	(.12)	IS OUTSIDE FOUR STANDARD DEVIATION	(.45 -	16.02)	Poorly connected vugs
043	1364.56	1364.80			
-K90	(.20)	IS LESS THAN KV (	(.42)		Vertical fracture
044	1364.80	1365.08			
-KMAX	(.38)	IS OUTSIDE FOUR STANDARD DEVIATION	(.49 -	17.53)	Result verified; poorly connected vugs
-KV	(.02)	IS OUTSIDE FOUR STANDARD DEVIATION	(.15 -	5.35)	Result verified; poorly connected vugs
045	1365.08	1365.35			
-KMAX	(.74)	IS OUTSIDE FOUR STANDARD DEVIATION	(1.10 -	39.48)	Result verified; poorly connected vugs
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION	(.34 -	12.37)	Result verified; poorly connected vugs
046	1365.35	1365.66			
047	1365.66	1365.99			
-KMAX	(.86)	IS OUTSIDE FOUR STANDARD DEVIATION	(.02 -	.62)	Vertical fracture
048	1365.99	1366.22			
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION	(.04 -	1.32)	Stylolite
SP049	1366.22	1366.30			
050	1366.30	1366.53			
051	1366.53	1366.70			
052	1366.70	1366.85			
-KMAX	(.42)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.15)	Horizontal fracture
-K90	(.17)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.11)	Horizontal fracture
053	1366.85	1366.98			
-KMAX	(2.11)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.43)	Vertical fracture
-KV	(.65)	IS OUTSIDE FOUR STANDARD DEVIATION	(.01 -	.12)	Vertical fracture
-K90	(.15)	IS LESS THAN KV (	(.65)		Vertical fracture
054	1366.98	1367.22			

-KMAX (.65) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.52)Horizontal fracture along stylolite
055 1367.22 1367.42		
-KMAX (3.02) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.36)Vertical fracture
056 1367.42 1367.62		
-K90 (.04) IS LESS THAN KV (.17)		Vertical fracture
057 1367.62 1367.95		
-K90 (.19) IS LESS THAN KV (1.27)		Vertical fracture
058 1367.95 1368.17		
-KMAX (76.80) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.25)Fractured
-K90 (.90) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.17)Fractured
-KV (.41) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.07)Fractured
059 1368.17 1368.83		
-KMAX (10200.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.12 -	4.14)Open vertical fracture
-K90 (1.91) IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.53)Result verified
-KV (10002.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.21)Open vertical fracture
-K90 (1.91) IS LESS THAN KV (10002.00)		Open vertical fracture
060 1368.83 1369.05		
-KV (5.05) IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.00)Vertical fracture
-KMAX (3.16) IS LESS THAN KV (5.05)		Vertical fracture
-K90 (.08) IS LESS THAN KV (5.05)		Vertical fracture
061 1369.05 1369.34		
-KMAX (10200.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.30)Open vertical fracture
-KV (10200.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.08)Open vertical fracture
-K90 (.01) IS LESS THAN KV (10200.00)		Open vertical fracture
NA 1369.34 1377.60		

CORE NO.3 1397.00 - 1407.00 REC:10.00

SP062	1397.00	1397.12
NA	1397.12	1397.34
SP063	1397.34	1397.62
NA	1397.62	1397.80
SP001P	1397.80	1398.08
NA	1398.08	1398.27
064	1398.27	1398.48
065	1398.48	1398.65
066	1398.65	1398.89
NA	1398.89	1399.38
067	1399.38	1399.84
NA	1399.84	1400.58
068	1400.58	1400.94
SP002P	1400.94	1401.42
069	1401.42	1401.70
070	1401.70	1402.03
071	1402.03	1402.28

072 1402.28 1402.48
 SP073 1402.48 1402.62
 074 1402.62 1402.96
 NA 1402.96 1403.41
 SP003P 1403.41 1403.70
 NA 1403.70 1405.25
 SP004P 1405.25 1405.50
 075 1405.50 1406.56
 SP076 1406.56 1407.00

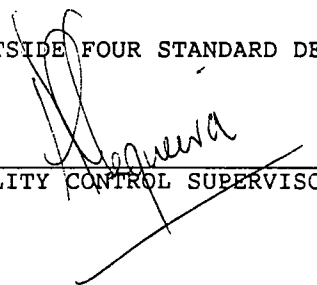
CORE NO.4 1407.00 - 1425.00 REC:18.00

077 1407.00 1407.67
 -KMAX (.06) IS OUTSIDE FOUR STANDARD DEVIATION (.07 - 2.41) Result verified; argillaceous
 -K90 (.05) IS OUTSIDE FOUR STANDARD DEVIATION (.11 - 3.88) Result verified; argillaceous
 -KV (.02) IS OUTSIDE FOUR STANDARD DEVIATION (.04 - 1.45) Result verified; argillaceous
 NA 1407.67 1408.07
 SP005P 1408.07 1408.35
 NA 1408.35 1408.76
 SP078 1408.76 1408.93
 NA 1408.93 1409.20
 079 1409.20 1409.50
 NA 1409.50 1409.58
 SP006P 1409.58 1409.70
 080 1409.70 1409.93
 081 1409.93 1410.15
 082 1410.15 1410.25
 NA 1410.25 1410.70
 SP007P 1410.70 1410.96
 -KMAX (.63) IS OUTSIDE FOUR STANDARD DEVIATION (13.67 - 492.11) Result verified
 083 1410.96 1411.13
 -KMAX (26.99) IS OUTSIDE FOUR STANDARD DEVIATION (92.52 - 3330.87) Result verified; intraskeletal porosity
 -K90 (19.46) IS OUTSIDE FOUR STANDARD DEVIATION (68.99 - 2483.66) Result verified; intraskeletal porosity
 -KV (5.26) IS OUTSIDE FOUR STANDARD DEVIATION (22.62 - 814.34) Result verified; intraskeletal porosity
 084 1411.13 1411.50
 -KMAX (1.76) IS OUTSIDE FOUR STANDARD DEVIATION (12.13 - 436.67) Result verified; intraskeletal porosity
 -K90 (1.31) IS OUTSIDE FOUR STANDARD DEVIATION (11.23 - 404.18) Result verified; intraskeletal porosity
 -KV (.32) IS OUTSIDE FOUR STANDARD DEVIATION (3.82 - 137.46) Result verified; intraskeletal porosity
 085 1411.50 1411.64
 NA 1411.64 1411.76
 086 1411.76 1412.11
 -KMAX (1426.75) IS OUTSIDE FOUR STANDARD DEVIATION (.28 - 10.12) Well connected vugs and cracks
 -K90 (161.19) IS OUTSIDE FOUR STANDARD DEVIATION (.39 - 13.98) Well connected vugs and cracks
 087 1412.11 1412.23
 NA 1412.23 1412.30

SP008P 1412.30 1412.55
 -KMAX (112.00) IS OUTSIDE FOUR STANDARD DEVIATION (2789.82 - 10000.00) Result verified; intraskeletal porosity
 SP088 1412.55 1412.65
 -KMAX (29.20) IS OUTSIDE FOUR STANDARD DEVIATION (.58 - 20.73) Fractured
 089 1412.65 1412.80
 090 1412.80 1413.02
 -KMAX (21.06) IS OUTSIDE FOUR STANDARD DEVIATION (.28 - 10.12) Vertical fracture
 -KV (22.10) IS OUTSIDE FOUR STANDARD DEVIATION (.14 - 5.09) Vertical fracture
 -KMAX (21.06) IS LESS THAN KV (22.10) Vertical fracture
 -K90 (1.14) IS LESS THAN KV (22.10) Vertical fracture
 SP091 1413.02 1413.11
 NA 1413.11 1413.22
 092 1413.22 1414.09
 -KMAX (11.69) IS OUTSIDE FOUR STANDARD DEVIATION (.20 - 7.07) Vertical fracture
 093 1414.09 1414.28
 -KMAX (320.79) IS OUTSIDE FOUR STANDARD DEVIATION (.08 - 2.88) Fractured
 -K90 (39.19) IS OUTSIDE FOUR STANDARD DEVIATION (.13 - 4.55) Fractured
 -KV (66.97) IS OUTSIDE FOUR STANDARD DEVIATION (.05 - 1.70) Fractured
 -K90 (39.19) IS LESS THAN KV (66.97) Fractured
 SP009P 1414.28 1414.55
 094 1414.55 1414.76
 095 1414.76 1415.02
 -KMAX (2.95) IS OUTSIDE FOUR STANDARD DEVIATION (.02 - .61) Vertical fracture
 -KV (5.61) IS OUTSIDE FOUR STANDARD DEVIATION (.01 - .44) Vertical fracture
 -KMAX (2.95) IS LESS THAN KV (5.61) Vertical fracture
 -K90 (.39) IS LESS THAN KV (5.61) Vertical fracture
 NA 1415.02 1415.58
 096 1415.58 1415.96
 -KMAX (3.14) IS OUTSIDE FOUR STANDARD DEVIATION (.06 - 2.27) Horizontal fractures and cracks
 097 1415.96 1416.24
 -KMAX (134.34) IS OUTSIDE FOUR STANDARD DEVIATION (.22 - 7.97) Vertical fracture
 -KV (54.35) IS OUTSIDE FOUR STANDARD DEVIATION (.11 - 4.13) Vertical fracture
 -K90 (1.43) IS LESS THAN KV (54.35) Vertical fracture
 SP098 1416.24 1416.68
 SP010P 1416.68 1416.90
 -KMAX (7.86) IS OUTSIDE FOUR STANDARD DEVIATION (.05 - 1.79) Fractured
 SP011P 1416.90 1417.04
 099 1417.04 1417.28
 100 1417.28 1417.66
 101 1417.66 1417.96
 -KMAX (91.56) IS OUTSIDE FOUR STANDARD DEVIATION (.22 - 7.97) Vertical fracture
 -K90 (31.99) IS OUTSIDE FOUR STANDARD DEVIATION (.31 - 11.29) Result verified
 -KV (33.82) IS OUTSIDE FOUR STANDARD DEVIATION (.11 - 4.13) Vertical fracture
 -K90 (31.99) IS LESS THAN KV (33.82) Vertical fracture
 102 1417.96 1418.23

-KMAX (29.29) IS OUTSIDE FOUR STANDARD DEVIATION (	.36 -	12.85) Result verified; biomoldic porosity
-K90 (18.40) IS OUTSIDE FOUR STANDARD DEVIATION (	.48 -	17.31) Result verified; biomoldic porosity
-KV (13.35) IS OUTSIDE FOUR STANDARD DEVIATION (	.17 -	6.27) Result verified; biomoldic porosity
103 1418.23 1418.41		
-KMAX (60.33) IS OUTSIDE FOUR STANDARD DEVIATION (	.06 -	2.02) Horizontal fracture
-K90 (26.30) IS OUTSIDE FOUR STANDARD DEVIATION (	.09 -	3.31) Horizontal fracture
-KV (1.32) IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.24) Result verified
SP012P 1418.41 1418.51		
104 1418.51 1419.03		
-KMAX (27.63) IS OUTSIDE FOUR STANDARD DEVIATION (	.34 -	12.11) Fractured
-KV (11.93) IS OUTSIDE FOUR STANDARD DEVIATION (	.17 -	5.95) Fractured
SP105 1419.03 1419.11		
106 1419.11 1419.38		
107 1419.38 1419.59		
-KMAX (438.14) IS OUTSIDE FOUR STANDARD DEVIATION (	.26 -	9.53) Fractured
-K90 (19.93) IS OUTSIDE FOUR STANDARD DEVIATION (	.37 -	13.25) Fractured
SP108 1419.59 1419.74		
-KMAX (1.67) IS OUTSIDE FOUR STANDARD DEVIATION (	2.56 -	92.34) Result verified
SP013P 1419.74 1419.87		
-KMAX (.19) IS OUTSIDE FOUR STANDARD DEVIATION (	.34 -	12.11) Result verified
109 1419.87 1420.27		
-KMAX (5.24) IS OUTSIDE FOUR STANDARD DEVIATION (	23.41 -	842.63) Result verified
-K90 (3.99) IS OUTSIDE FOUR STANDARD DEVIATION (	20.20 -	727.25) Result verified
-KV (1.27) IS OUTSIDE FOUR STANDARD DEVIATION (	6.79 -	244.43) Result verified; argillaceous laminae
110 1420.27 1420.45		
NA 1420.45 1420.53		
111 1420.53 1420.84		
-KMAX (170.35) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.51) Vertical fracture
-KV (49.83) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.37) Vertical fracture
-K90 (.08) IS LESS THAN KV (49.83)		Vertical fracture
NA 1420.84 1424.80		
SP014P 1424.80 1425.00		
-KMAX (.01) IS OUTSIDE FOUR STANDARD DEVIATION (	.02 -	.61) Vertical fracture

APPROVED:


 QUALITY CONTROL SUPERVISOR

Apr. 5, 1991

DATE

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 15
W/O No: RC3070
Date: 26-03-91

CALCULATED DATA REPORT

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.	

CORE NO. 1 1343.00 - 1361.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 16)										
NA	1343.00	1343.68	.68	-	-	-	-	-	-	-
001	1343.68	1344.98	1.30	1.30	.017	.017	.013	.013	.013	.010
SP1P	1344.98	1345.42	.44	1.74	.024	.041	.024	.044	.057	.033
002	1345.42	1345.64	.22	1.96	.019	.060	.031	.908	.965	.493
003	1345.64	1345.85	.21	2.17	.021	.081	.037	2.891	3.856	1.777
004	1345.85	1346.31	.46	2.63	.028	.109	.041	.041	3.898	1.482
005	1346.31	1346.79	.48	3.11	.020	.128	.041	.048	3.946	1.269
006	1346.79	1347.54	.75	3.86	.033	.161	.042	1.890	5.836	1.512
NA	1347.54	1348.02	.48	-	-	-	-	-	-	-
007	1348.02	1348.36	.34	4.20	.010	.171	.041	.636	6.472	1.541
NA	1348.36	1348.83	.47	-	-	-	-	-	-	-
008	1348.83	1349.66	.83	5.03	.027	.199	.039	.124	6.596	1.311
NA	1349.66	1349.87	.21	-	-	-	-	-	-	-
009	1349.87	1350.10	.23	5.26	.010	.208	.040	.009	6.606	1.256
010	1350.10	1350.83	.73	5.99	.045	.253	.042	.102	6.708	1.120
011	1350.83	1351.21	.38	6.37	.026	.279	.044	.038	6.746	1.059
012	1351.21	1351.81	.60	6.97	.041	.321	.046	.036	6.782	.973
013	1351.81	1352.26	.45	7.42	.033	.353	.048	.022	6.804	.917
NA	1352.26	1353.20	.94	-	-	-	-	-	-	-
014	1353.20	1353.80	.60	8.02	.036	.389	.049	.030	6.834	.852
015	1353.80	1354.08	.28	8.30	.016	.405	.049	.028	6.862	.827
016	1354.08	1354.39	.31	8.61	.027	.432	.050	6.617	13.479	1.565

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 16
W/O No: RC3070
Date: 26-03-91

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.	
017	1354.39	1354.60	.21	8.82	.019	.451	.051	.197	13.676	1.551
SP2P	1354.60	1354.80	.20	9.02	.014	.466	.052	.012	13.688	1.518
018	1354.80	1355.10	.30	9.32	.019	.485	.052	.252	13.940	1.496
019	1355.10	1355.43	.33	9.65	.023	.509	.053	-	-	-
NA	1355.43	1355.95	.52	-	-	-	-	-	-	-
020	1355.95	1356.22	.27	9.92	.018	.527	.053	.591	14.531	1.465
021	1356.22	1356.61	.39	10.31	.025	.552	.054	.979	15.510	1.504
022	1356.61	1357.02	.41	10.72	.009	.562	.052	.002	15.512	1.447
023	1357.02	1357.33	.31	11.03	.011	.573	.052	.002	15.514	1.406
024	1357.33	1357.45	.12	11.15	.004	.577	.052	.004	15.517	1.392
SP3P	1357.45	1357.61	.16	11.31	.006	.583	.052	.032	15.549	1.375
025	1357.61	1357.82	.21	11.52	.012	.595	.052	.011	15.560	1.351
026	1357.82	1358.02	.20	11.72	.012	.607	.052	.020	15.580	1.329
027	1358.02	1358.19	.17	11.89	.010	.617	.052	.017	15.597	1.312
028	1358.19	1358.51	.32	12.21	.014	.631	.052	.019	15.616	1.279
029	1358.51	1359.04	.53	12.74	.027	.658	.052	.122	15.738	1.235
SP4P	1359.04	1359.24	.20	12.94	.009	.667	.052	.030	15.768	1.219
NA	1359.24	1359.30	.06	-	-	-	-	-	-	-
030	1359.30	1359.60	.30	13.24	.015	.682	.052	.072	15.840	1.196
031	1359.60	1360.65	1.05	14.29	.103	.785	.055	-	-	-
LC	1360.65	1361.00	.35	-	-	-	-	-	-	-

CORE NO. 2 1361.00 - 1377.60 (RECEIVED/CUT = 16.60/16.60m TOTAL BOXES = 15)

032	1361.00	1361.26	.26	14.55	.016	.801	.055	.473	16.313	1.121
-----	---------	---------	-----	-------	------	------	------	------	--------	-------

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 17
W/O No: RC3070
Date: 26-03-91

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.	
SP033	1361.26	1361.50	.24	14.79	.017	.818	.055	.029	16.342	1.105
034	1361.50	1361.68	.18	14.97	.011	.829	.055	.009	16.351	1.092
035	1361.68	1361.90	.22	15.19	.017	.845	.056	.037	16.388	1.079
036	1361.90	1362.14	.24	15.43	.015	.860	.056	.012	16.400	1.063
SP5P	1362.14	1362.30	.16	15.59	.013	.873	.056	.030	16.431	1.054
037	1362.30	1362.53	.23	15.82	.014	.888	.056	.023	16.454	1.040
038	1362.53	1362.73	.20	16.02	.007	.895	.056	.056	16.510	1.031
039	1362.73	1362.92	.19	16.21	.006	.901	.056	.059	16.569	1.022
040	1362.92	1363.11	.19	16.40	.002	.903	.055	.001	16.570	1.010
NA	1363.11	1363.65	.54	-	-	-	-	-	-	-
041	1363.65	1363.90	.25	16.65	.009	.912	.055	.032	16.602	.997
042	1363.90	1364.17	.27	16.92	.017	.930	.055	.043	16.645	.984
SP6P	1364.17	1364.56	.39	17.31	.033	.963	.056	.047	16.692	.964
043	1364.56	1364.80	.24	17.55	.020	.982	.056	.110	16.803	.957
044	1364.80	1365.08	.28	17.83	.024	1.007	.056	.106	16.909	.948
045	1365.08	1365.35	.27	18.10	.026	1.032	.057	.200	17.109	.945
046	1365.35	1365.66	.31	18.41	.014	1.046	.057	.002	17.110	.929
047	1365.66	1365.99	.33	18.74	.016	1.063	.057	.284	17.394	.928
048	1365.99	1366.22	.23	18.97	.016	1.079	.057	.057	17.452	.920
SP049	1366.22	1366.30	.08	19.05	.005	1.084	.057	.017	17.468	.917
050	1366.30	1366.53	.23	19.28	.014	1.098	.057	.044	17.512	.908
051	1366.53	1366.70	.17	19.45	.013	1.111	.057	.083	17.595	.905
052	1366.70	1366.85	.15	19.60	.005	1.116	.057	.063	17.659	.901
053	1366.85	1366.98	.13	19.73	.006	1.122	.057	.274	17.933	.909
054	1366.98	1367.22	.24	19.97	.011	1.133	.057	.156	18.089	.906

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 18
W/O No: RC3070
Date: 26-03-91

CALCULATED DATA REPORT

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.	
055	1367.22	1367.42	.20	20.17	.009	1.142	.057	.604	18.693	.927
056	1367.42	1367.62	.20	20.37	.013	1.155	.057	.038	18.731	.920
057	1367.62	1367.95	.33	20.70	.025	1.180	.057	1.175	19.906	.962
058	1367.95	1368.17	.22	20.92	.009	1.188	.057	-	-	-
059	1368.17	1368.83	.66	21.58	.046	1.234	.057	-	-	-
060	1368.83	1369.05	.22	21.80	.015	1.249	.057	.695	20.601	.945
061	1369.05	1369.34	.29	22.09	.012	1.261	.057	-	-	-
NA	1369.34	1377.60	8.26	-	-	-	-	-	-	-

CORE NO. 3 1397.00 - 1407.00 (RECEIVED/CUT = 10.00/10.00m TOTAL BOXES = 9)

SP062	1397.00	1397.12	.12	22.21	.016	1.277	.057	1.957	22.558	1.016
NA	1397.12	1397.34	.22	-	-	-	-	-	-	-
SP063	1397.34	1397.62	.28	22.49	.017	1.294	.058	.059	22.617	1.006
NA	1397.62	1397.80	.18	-	-	-	-	-	-	-
SP001P	1397.80	1398.08	.28	22.77	.007	1.301	.057	.031	22.648	.995
NA	1398.08	1398.27	.19	-	-	-	-	-	-	-
064	1398.27	1398.48	.21	22.98	.016	1.317	.057	.116	22.763	.991
065	1398.48	1398.65	.17	23.15	.021	1.338	.058	2.321	25.084	1.084
066	1398.65	1398.89	.24	23.39	.018	1.356	.058	.377	25.461	1.089
NA	1398.89	1399.38	.49	-	-	-	-	-	-	-
067	1399.38	1399.84	.46	23.85	.033	1.389	.058	.198	25.659	1.076
NA	1399.84	1400.58	.74	-	-	-	-	-	-	-
068	1400.58	1400.94	.36	24.21	.018	1.407	.058	.328	25.987	1.073
SP002P	1400.94	1401.42	.48	24.69	.028	1.435	.058	.002	25.989	1.053

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 19
W/O No: RC3070
Date: 26-03-91

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.	
069	1401.42	1401.70	.28	24.97	.022	1.457	.058	.330	26.319	1.054
070	1401.70	1402.03	.33	25.30	.044	1.502	.059	11.388	37.707	1.490
071	1402.03	1402.28	.25	25.55	.038	1.540	.060	8.748	46.455	1.818
072	1402.28	1402.48	.20	25.75	.025	1.565	.061	3.009	49.464	1.921
SP073	1402.48	1402.62	.14	25.89	.013	1.578	.061	.685	50.149	1.937
074	1402.62	1402.96	.34	26.23	.022	1.601	.061	.231	50.380	1.921
NA	1402.96	1403.41	.45	-	-	-	-	-	-	-
SP003P	1403.41	1403.70	.29	26.52	.004	1.605	.061	.012	50.392	1.900
NA	1403.70	1405.25	1.55	-	-	-	-	-	-	-
SP004P	1405.25	1405.50	.25	26.77	.009	1.613	.060	.012	50.404	1.883
075	1405.50	1406.56	1.06	27.83	.032	1.645	.059	.223	50.627	1.819
SP076	1406.56	1407.00	.44	28.27	.023	1.669	.059	.044	50.671	1.792
CORE NO. 4 1407.00 - 1425.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 17)										
077	1407.00	1407.67	.67	28.94	.027	1.695	.059	.040	50.711	1.752
NA	1407.67	1408.07	.40	-	-	-	-	-	-	-
SP005P	1408.07	1408.35	.28	29.22	.012	1.707	.058	.020	50.731	1.736
NA	1408.35	1408.76	.41	-	-	-	-	-	-	-
SP078	1408.76	1408.93	.17	29.39	.011	1.718	.058	.078	50.809	1.729
NA	1408.93	1409.20	.27	-	-	-	-	-	-	-
079	1409.20	1409.50	.30	29.69	.026	1.743	.059	.858	51.667	1.740
NA	1409.50	1409.58	.08	-	-	-	-	-	-	-
SP006P	1409.58	1409.70	.12	29.81	.008	1.751	.059	.064	51.731	1.735
080	1409.70	1409.93	.23	30.04	.014	1.765	.059	.559	52.290	1.741

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 20
W/O No: RC3070
Date: 26-03-91

CALCULATED DATA REPORT

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.	
081	1409.93	1410.15	.22	30.26	.016	1.781	.059	1.942	54.232	1.792
082	1410.15	1410.25	.10	30.36	.008	1.789	.059	.620	54.852	1.807
NA	1410.25	1410.70	.45	-	-	-	-	-	-	-
SP007P	1410.70	1410.96	.26	30.62	.034	1.823	.060	.164	55.016	1.797
083	1410.96	1411.13	.17	30.79	.027	1.850	.060	4.586	59.602	1.936
084	1411.13	1411.50	.37	31.16	.047	1.897	.061	.651	60.253	1.934
085	1411.50	1411.64	.14	31.30	.012	1.909	.061	2.250	62.503	1.997
NA	1411.64	1411.76	.12	-	-	-	-	-	-	-
086	1411.76	1412.11	.35	31.65	.022	1.932	.061	499.328	561.831	17.751
087	1412.11	1412.23	.12	31.77	.010	1.942	.061	.905	562.736	17.713
NA	1412.23	1412.30	.07	-	-	-	-	-	-	-
SP008P	1412.30	1412.55	.25	32.02	.055	1.997	.062	28.000	590.736	18.449
SP088	1412.55	1412.65	.10	32.12	.008	2.004	.062	2.919	593.655	18.482
089	1412.65	1412.80	.15	32.27	.021	2.025	.063	21.024	614.680	19.048
090	1412.80	1413.02	.22	32.49	.014	2.039	.063	4.633	619.312	19.061
SP091	1413.02	1413.11	.09	32.58	.015	2.054	.063	65.495	684.807	21.019
NA	1413.11	1413.22	.11	-	-	-	-	-	-	-
092	1413.22	1414.09	.87	33.45	.050	2.104	.063	10.170	694.977	20.776
093	1414.09	1414.28	.19	33.64	.008	2.112	.063	-	-	-
SP009P	1414.28	1414.55	.27	33.91	.005	2.118	.062	.011	694.988	20.495
094	1414.55	1414.76	.21	34.12	.019	2.137	.063	3.212	698.201	20.463
095	1414.76	1415.02	.26	34.38	.004	2.142	.062	.767	698.968	20.330
NA	1415.02	1415.58	.56	-	-	-	-	-	-	-
096	1415.58	1415.96	.38	34.76	.015	2.156	.062	1.194	700.161	20.142
097	1415.96	1416.24	.28	35.04	.017	2.173	.062	-	-	-

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 21
W/O No: RC3070
Date: 26-03-91

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.	
SP098	1416.24	1416.68	.44	35.48	.039	2.212	.062	1.091	701.252	19.764
SP010P	1416.68	1416.90	.22	35.70	.008	2.220	.062	1.730	702.982	19.691
SP011P	1416.90	1417.04	.14	35.84	.011	2.230	.062	.115	703.097	19.617
099	1417.04	1417.28	.24	36.08	.022	2.252	.062	5.524	708.621	19.640
100	1417.28	1417.66	.38	36.46	.042	2.294	.063	5.398	714.019	19.583
101	1417.66	1417.96	.30	36.76	.018	2.312	.063	27.472	741.492	20.171
102	1417.96	1418.23	.27	37.03	.018	2.331	.063	7.905	749.397	20.237
103	1418.23	1418.41	.18	37.21	.007	2.337	.063	10.863	760.260	20.431
SP012P	1418.41	1418.51	.10	37.31	.015	2.352	.063	5.509	765.768	20.524
104	1418.51	1419.03	.52	37.83	.035	2.387	.063	14.368	780.136	20.622
SP105	1419.03	1419.11	.08	37.91	.004	2.391	.063	.010	780.146	20.579
106	1419.11	1419.38	.27	38.18	.019	2.410	.063	.275	780.421	20.440
107	1419.38	1419.59	.21	38.39	.013	2.423	.063	-	-	-
SP108	1419.59	1419.74	.15	38.54	.015	2.438	.063	.251	780.672	20.256
SP013P	1419.74	1419.87	.13	38.67	.009	2.447	.063	.025	780.697	20.188
109	1419.87	1420.27	.40	39.07	.055	2.502	.064	2.095	782.792	20.035
110	1420.27	1420.45	.18	39.25	.011	2.513	.064	.420	783.212	19.954
NA	1420.45	1420.53	.08	-	-	-	-	-	-	-
111	1420.53	1420.84	.31	39.56	.004	2.517	.064	-	-	-
NA	1420.84	1424.80	3.96	-	-	-	-	-	-	-
SP014P	1424.80	1425.00	.20	39.76	.003	2.521	.063	.001	783.213	19.698

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 1 & 2

AGAT LABORATORIES

Page: 22
W/O No: RC3070A
Date: 26-03-91

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY POROSITY RANGES

Porosity Range	Samples		Metres		Wt. Avg.	Wt. Avg. Kmax		Frequency %	
	In Rng	Cuml.	In Rng	Cuml.	Porosity (Arith)	Arith	Geom	In Rng	Cuml.
0.000-0.0199	2	2	1.49	1.49	.013	.009	.009	7.63	7.63
0.020-0.0399	9	11	2.80	4.29	.032	.348	.091	14.33	21.96
0.040-0.0599	18	29	5.46	9.75	.048	.668	.207	27.94	49.90
0.060-0.0799	24	53	7.50	17.25	.066	.647	.206	38.38	88.28
0.080-0.0999	9	62	2.29	19.54	.088	4.850	1.076	11.72	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 3

AGAT LABORATORIES

Page: 23
W/O No: RC3070B
Date: 26-03-91

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	1	1	.29	.29	.014	.040	.040	5.09	5.09
0.020-0.0399	3	4	1.59	1.88	.030	.167	.150	27.89	32.98
0.040-0.0599	2	6	.80	2.68	.052	.465	.270	14.04	47.02
0.060-0.0799	5	11	1.53	4.21	.069	.641	.529	26.84	73.86
0.080-0.0999	2	13	.42	4.63	.084	2.417	1.896	7.37	81.23
0.100-0.1199	0	13	.00	4.63	.000	.000	.000	.00	81.23
0.120-0.1399	4	17	.82	5.45	.129	22.769	20.834	14.39	95.62
0.140-0.1599	1	18	.25	5.70	.154	35.010	35.010	4.38	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 4

AGAT LABORATORIES

Page: 24
W/O No: RC3070C
Date: 26-03-91

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	2	2	.46	.46	.017	1.668	.184	4.38	4.38
0.020-0.0399	4	6	1.05	1.51	.033	13.135	2.057	10.00	14.38
0.040-0.0599	6	12	2.31	3.82	.051	4.856	.877	22.00	36.39
0.060-0.0799	12	24	2.81	6.63	.067	198.981	14.817	26.76	63.15
0.080-0.0999	7	31	1.55	8.18	.088	9.330	6.305	14.76	77.91
0.100-0.1199	2	33	.53	8.71	.107	10.654	7.749	5.05	82.95
0.120-0.1399	4	37	1.18	9.89	.133	20.283	3.543	11.24	94.19
0.140-0.1599	1	38	.10	9.99	.149	55.100	55.100	.95	95.14
0.160-0.1799	2	40	.26	10.25	.163	269.660	84.440	2.48	97.62
0.180-0.1999	0	40	.00	10.25	.000	.000	.000	.00	97.62
0.200-0.2199	1	41	.25	10.50	.218	112.000	112.000	2.38	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 25
W/O No: RC3070A
Date: 26-03-91

CORE 1 & 2

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	4	4	1.22	1.22	.030	.001	.005	6.24	6.24
0.010-0.019	1	5	1.30	2.52	.013	.010	.010	6.65	12.90
0.020-0.039	1	6	.12	2.64	.035	.030	.030	.61	13.51
0.040-0.079	9	15	3.03	5.67	.061	.053	.053	15.51	29.02
0.080-0.159	14	29	5.28	10.95	.055	.118	.116	27.02	56.04
0.160-0.319	12	41	2.77	13.72	.057	.219	.216	14.18	70.21
0.320-0.639	4	45	.84	14.56	.073	.432	.430	4.30	74.51
0.640-1.249	5	50	1.35	15.91	.068	.807	.801	6.91	81.42
1.250-2.499	4	54	1.00	16.91	.050	1.975	1.968	5.12	86.54
2.500-4.999	6	60	2.11	19.02	.059	2.963	2.915	10.80	97.34
5.000-9.999	0	60	.00	19.02	.000	.000	.000	.00	97.34
10.000-19.999	1	61	.21	19.23	.099	13.760	13.760	1.08	98.41
20.000-39.999	1	62	.31	19.54	.086	21.340	21.340	1.59	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

CORE 3

AGAT LABORATORIES

Page: 26
W/O No: RC3070B
Date: 26-03-91

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY PERMEABILITY RANGES

Permeability Range	Samples		Metres		Wt. Avg.	Wt. Avg. Kmax		Frequency %	
	In Rng	Cuml.	In Rng	Cuml.	Porosity (Arith)	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	0	0	.00	.00	.000	.000	.000	.00	.00
0.040-0.079	2	2	.54	.54	.023	.045	.044	9.47	9.47
0.080-0.159	2	4	.72	1.26	.043	.104	.104	12.63	22.10
0.160-0.319	2	6	1.34	2.60	.037	.210	.210	23.51	45.61
0.320-0.639	2	8	.67	3.27	.073	.468	.464	11.76	57.37
0.640-1.249	3	11	.98	4.25	.064	.907	.886	17.19	74.56
1.250-2.499	1	12	.24	4.49	.074	1.570	1.570	4.21	78.77
2.500-4.999	1	13	.14	4.63	.093	4.890	4.890	2.46	81.23
5.000-9.999	0	13	.00	4.63	.000	.000	.000	.00	81.23
10.000-19.999	3	16	.49	5.12	.126	14.869	14.834	8.60	89.83
20.000-39.999	2	18	.58	5.70	.143	34.720	34.719	10.17	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 4

AGAT LABORATORIES

Page: 27
W/O No: RC3070C
Date: 26-03-91

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY PERMEABILITY RANGES

Permeability Range	Samples		Metres		Wt. Avg.	Wt. Avg. Kmax		Frequency %	
	In Rng	Cuml.	In Rng	Cuml.	Porosity (Arith)	Arith	Geom	In Rng	Cuml.
0.000-0.009	1	1	.20	.20	.017	.001	.005	1.90	1.90
0.010-0.019	0	1	.00	.20	.000	.000	.000	.00	1.90
0.020-0.039	0	1	.00	.20	.000	.000	.000	.00	1.90
0.040-0.079	3	4	1.22	1.42	.036	.058	.057	11.62	13.52
0.080-0.159	1	5	.08	1.50	.049	.120	.120	.75	14.29
0.160-0.319	1	6	.13	1.63	.067	.190	.190	1.24	15.52
0.320-0.639	3	9	.55	2.18	.094	.556	.550	5.24	20.76
0.640-1.249	2	11	.41	2.59	.072	.952	.947	3.90	24.67
1.250-2.499	5	16	1.37	3.96	.091	2.169	2.140	13.05	37.72
2.500-4.999	3	19	.94	4.90	.048	2.998	2.996	8.95	46.67
5.000-9.999	5	24	1.06	5.96	.092	6.880	6.725	10.09	56.77
10.000-19.999	4	28	1.60	7.56	.077	13.143	13.041	15.24	72.00
20.000-39.999	6	34	1.52	9.08	.082	26.279	26.108	14.47	86.48
40.000-79.999	2	36	.28	9.36	.077	58.463	58.408	2.67	89.14
80.000-159.999	3	39	.70	10.06	.133	109.270	107.788	6.67	95.81
160.000-319.999	0	39	.00	10.06	.000	.000	.000	.00	95.81
320.000-639.999	0	39	.00	10.06	.000	.000	.000	.00	95.81
640.000-1279.999	1	40	.09	10.15	.166	728.000	728.000	.86	96.67
1280.000-2559.999	1	41	.35	10.50	.064	1426.750	1426.750	3.33	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 1 & 2

AGAT LABORATORIES

Page: 28
W/O No: RC3070A
Date: 26-03-91

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	22.09	.000	.00	1.261	100.00	.057	.062
0.020	1.49	20.60	.019	1.51	1.242	98.49	.060	.064
0.040	4.67	17.42	.123	9.78	1.138	90.22	.065	.067
0.060	10.86	11.23	.427	33.87	.834	66.13	.074	
0.080	18.91	3.18	.970	76.93	.291	23.07	.091	
0.100	22.09	.00	1.261	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = 1.261

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 29
W/O No: RC3070B
Date: 26-03-91

CORE 3

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	6.18	.000	.00	.407	100.00	.066	.059
0.020	.29	5.89	.004	1.00	.403	99.00	.068	.061
0.040	1.88	4.30	.052	12.67	.356	87.33	.083	.071
0.060	3.16	3.02	.121	29.74	.286	70.26	.095	
0.080	4.97	1.21	.250	61.31	.158	38.69	.130	
0.100	5.11	1.07	.263	64.50	.145	35.50	.135	
0.120	5.11	1.07	.263	64.50	.145	35.50	.135	
0.140	5.93	.25	.369	90.56	.038	9.44	.154	
0.160	6.18	.00	.407	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = .407

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 30
W/O No: RC3070C
Date: 26-03-91

CORE 4

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	11.49	.000	.00	.852	100.00	.074	.069
0.020	1.04	10.45	.018	2.06	.834	97.94	.080	.071
0.040	2.49	9.00	.074	8.63	.778	91.37	.086	.074
0.060	4.90	6.59	.207	24.28	.645	75.72	.098	.084
0.080	7.62	3.87	.390	45.82	.462	54.18	.119	.114
0.100	9.17	2.32	.527	61.84	.325	38.16	.140	.131
0.120	9.70	1.79	.584	68.53	.268	31.47	.150	
0.140	10.88	.61	.740	86.89	.112	13.11	.183	
0.160	10.98	.51	.755	88.64	.097	11.36	.190	
0.180	11.24	.25	.797	93.60	.054	6.40	.218	
0.200	11.24	.25	.797	93.60	.054	6.40	.218	
0.220	11.49	.00	.852	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = .852

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 31
W/O No: RC3070A
Date: 26-03-91

CORE 1 & 2

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	19.54	.000	.00	20.596	100.00	.176	.136
0.010	2.52	17.02	.014	.07	20.582	99.93	.223	.148
0.020	2.52	17.02	.014	.07	20.582	99.93	.282	.163
0.040	2.87	16.67	.027	.13	20.569	99.87	.287	.166
0.080	5.67	13.87	.178	.87	20.418	99.13	.415	.242
0.160	11.22	8.32	.846	4.11	19.750	95.89	.909	.899
0.320	13.72	5.82	1.410	6.85	19.186	93.15	1.802	2.059
0.640	14.56	4.98	1.773	8.61	18.823	91.39	2.294	2.618
1.250	15.91	3.63	2.862	13.90	17.734	86.10	3.392	3.267
2.500	16.91	2.63	4.837	23.48	15.760	76.52	4.172	
5.000	19.02	.52	11.089	53.84	9.507	46.16	17.874	
10.000	19.02	.52	11.089	53.84	9.507	46.16	17.874	
20.000	19.23	.31	13.979	67.87	6.617	32.13	21.341	
40.000	19.54	.00	20.596	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 20.596

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 32
W/O No: RC3070B
Date: 26-03-91

CORE 3

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	5.70	.000	.00	30.068	100.00	.665	.414
0.010	.00	5.70	.000	.00	30.068	100.00	.665	.414
0.020	.00	5.70	.000	.00	30.068	100.00	.665	.414
0.040	.29	5.41	.012	.04	30.056	99.96	.665	.414
0.080	.54	5.16	.024	.08	30.044	99.92	.882	.547
0.160	1.26	4.44	.099	.33	29.969	99.67	1.249	.739
0.320	2.60	3.10	.380	1.26	29.687	98.74	2.698	1.167
0.640	3.27	2.43	.694	2.31	29.374	97.69	4.382	2.463
1.250	4.25	1.45	1.583	5.26	28.485	94.74	12.912	16.289
2.500	4.49	1.21	1.960	6.52	28.108	93.48	19.611	19.302
5.000	4.63	1.07	2.644	8.79	27.423	91.21	23.519	21.103
10.000	4.63	1.07	2.644	8.79	27.423	91.21	23.519	21.103
20.000	5.12	.58	9.932	33.03	20.136	66.97	34.719	
40.000	5.70	.00	30.068	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 30.068

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 33
W/O No: RC3070C
Date: 26-03-91

CORE 4

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	10.50	.000	.00	732.541	100.00	4.341	6.284
0.010	.20	10.30	.000	.00	732.541	100.00	4.950	6.708
0.020	.20	10.30	.000	.00	732.541	100.00	4.950	6.708
0.040	.47	10.03	.011	.00	732.530	100.00	4.950	6.708
0.080	1.42	9.08	.071	.01	732.470	99.99	9.023	9.997
0.160	1.50	9.00	.080	.01	732.461	99.99	9.376	10.173
0.320	1.63	8.87	.105	.01	732.436	99.99	9.927	10.464
0.640	2.18	8.32	.411	.06	732.130	99.94	12.020	11.788
1.250	2.59	7.91	.801	.11	731.740	99.89	13.712	12.882
2.500	3.96	6.54	3.773	.52	728.768	99.48	20.236	17.333
5.000	4.90	5.60	6.592	.90	725.949	99.10	27.888	21.317
10.000	5.96	4.54	13.884	1.90	718.657	98.10	38.873	27.146
20.000	7.56	2.94	34.914	4.77	697.627	95.23	70.441	
40.000	9.08	1.42	74.850	10.22	657.691	89.78	203.761	
80.000	9.36	1.14	91.221	12.45	641.320	87.55	276.960	
160.000	10.06	.44	167.718	22.90	564.823	77.10	1243.366	
320.000	10.06	.44	167.718	22.90	564.823	77.10	1243.366	
640.000	10.06	.44	167.718	22.90	564.823	77.10	1243.366	
1280.000	10.15	.35	233.213	31.84	499.328	68.16	1426.794	
2560.000	10.50	.00	732.541	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 732.541

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 1 & 2

AGAT LABORATORIES

Page: 34
W/O No: RC3070A
Date: 26-03-91

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)	18.32	.00	.52	3.11	1.35	8.43	4.91	.00
Fraction of analyzed core		.000	.028	.170	.074	.460	.268	.00
Porosity thickness (por-m)	1.031	.000	.047	.176	.092	.482	.235	.00
Permeability thickness (mD-m)	20.59	.00	9.51	8.23	1.09	1.55	.22	-
Wt. average Porosity	.056	.000	.091	.057	.068	.057	.048	.00
Wt. average Permeability	1.12	.00	18.28	2.65	.81	.18	.04	-
Wt. average Residual Oil	.332	.000	.300	.299	.277	.291	.443	.00
Wt. average Residual Water	.103	.000	.116	.068	.048	.089	.163	.00
Wt. average (geom.) Kmax., mD for All Samples =			.22					
Wt. average (harm.) Kmax., mD for All Samples =			.07					

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 2

AGAT LABORATORIES

Page: 35
W/O No: RC3070B
Date: 26-03-91

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)	5.70	.00	1.07	.66	.91	2.52	.54	.00
Fraction of analyzed core		.000	.188	.116	.160	.442	.095	.00
Porosity thickness (por-m)	.380	.000	.145	.053	.056	.113	.013	.00
Permeability thickness (mD-m)	30.07	.00	27.42	1.39	.67	.55	.02	-
Wt. average Porosity	.067	.000	.135	.081	.062	.045	.023	.00
Wt. average Permeability	5.27	.00	25.63	2.11	.74	.22	.04	-
Wt. average Residual Oil	.100	.000	.082	.038	.054	.162	.000	.00
Wt. average Residual Water	.143	.000	.072	.069	.177	.173	.175	.00
Wt. average (geom.) Kmax., mD for All Samples =			.66					
Wt. average (harm.) Kmax., mD for All Samples =			.20					

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 36
W/O No: RC3070C
Date: 26-03-91

CORE 3

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)	10.30	.84	3.70	3.64	.52	.38	1.22	.00
Fraction of analyzed core		.082	.359	.353	.050	.037	.118	.00
Porosity thickness (por-m)	.806	.113	.288	.287	.052	.023	.044	.00
Permeability thickness (mD-m)	732.54	613.85	104.81	13.36	.34	.11	.07	-
Wt. average Porosity	.078	.134	.078	.079	.100	.061	.036	.00
Wt. average Permeability	71.12	730.80	28.33	3.67	.66	.30	.06	-
Wt. average Residual Oil	.206	.287	.255	.155	.339	.235	.084	.00
Wt. average Residual Water	.155	.129	.105	.148	.139	.166	.346	.00
Wt. average (geom.) Kmax., mD for All Samples =			4.95					
Wt. average (harm.) Kmax., mD for All Samples =			.40					

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 3

AGAT LABORATORIES

Page: 35
W/O No: RC3070B
Date: 26-03-91

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)	5.70	.00	1.07	.66	.91	2.52	.54	.00
Fraction of analyzed core		.000	.188	.116	.160	.442	.095	.00
Porosity thickness (por-m)	.380	.000	.145	.053	.056	.113	.013	.00
Permeability thickness (mD-m)	30.07	.00	27.42	1.39	.67	.55	.02	-
Wt. average Porosity	.067	.000	.135	.081	.062	.045	.023	.00
Wt. average Permeability	5.27	.00	25.63	2.11	.74	.22	.04	-
Wt. average Residual Oil	.100	.000	.082	.038	.054	.162	.000	.00
Wt. average Residual Water	.143	.000	.072	.069	.177	.173	.175	.00
Wt. average (geom.) Kmax., mD for All Samples =			.66					
Wt. average (harm.) Kmax., mD for All Samples =			.20					

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 36
W/O No: RC3070C
Date: 26-03-91

CORE 4

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)	10.30	.84	3.70	3.64	.52	.38	1.22	.00
Fraction of analyzed core		.082	.359	.353	.050	.037	.118	.00
Porosity thickness (por-m)	.806	.113	.288	.287	.052	.023	.044	.00
Permeability thickness (mD-m)	732.54	613.85	104.81	13.36	.34	.11	.07	-
Wt. average Porosity	.078	.134	.078	.079	.100	.061	.036	.00
Wt. average Permeability	71.12	730.80	28.33	3.67	.66	.30	.06	-
Wt. average Residual Oil	.206	.287	.255	.155	.339	.235	.084	.00
Wt. average Residual Water	.155	.129	.105	.148	.139	.166	.346	.00
Wt. average (geom.) Kmax., mD for All Samples =			4.95					
Wt. average (harm.) Kmax., mD for All Samples =			.40					

COMPANY: PARAMOUNT RESOURCES

FIGURE: 1

LOCATION: 60-10N-117-15W

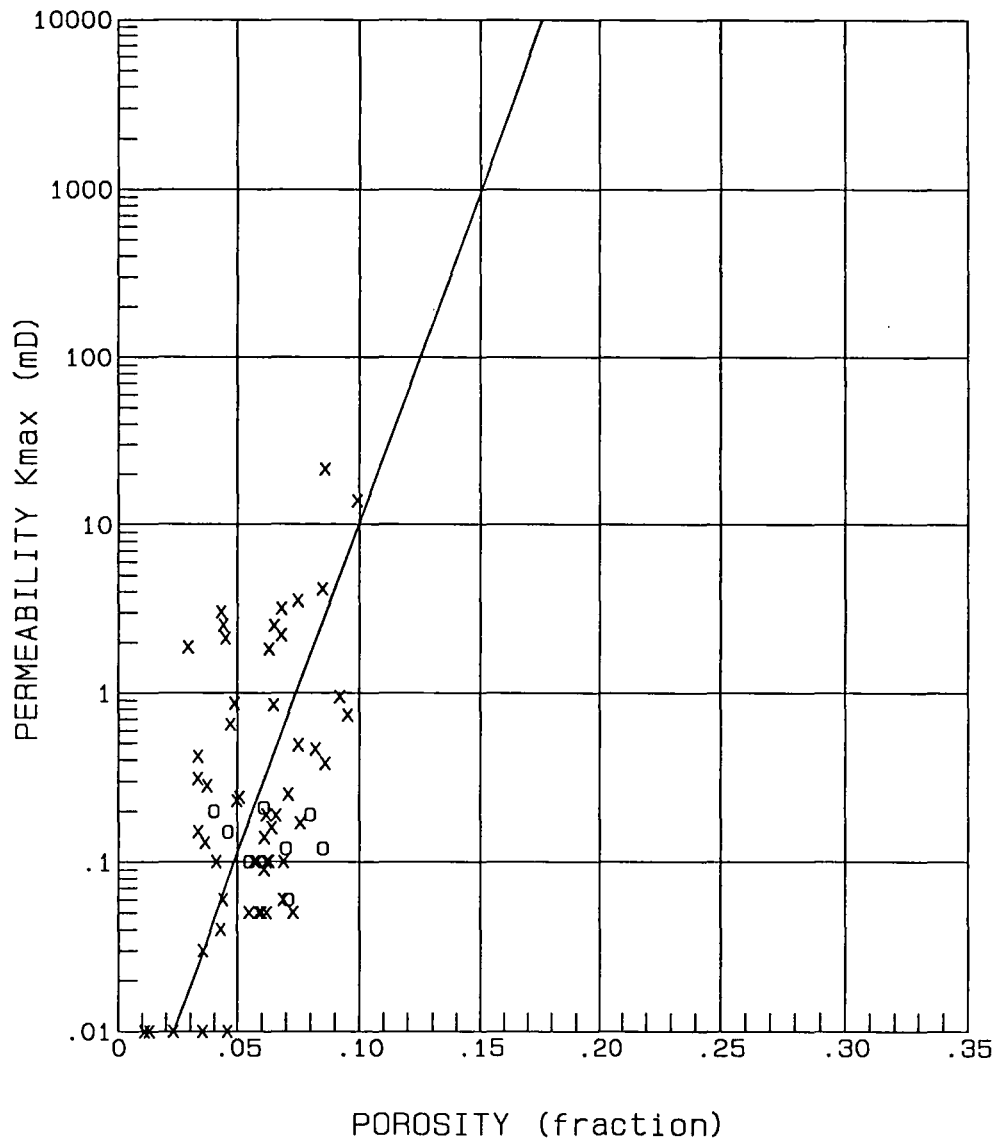
W/O NO: RC3070

INTERVAL: 1343.00-1377.60

DATE: 26-03-91

FORMATION: SLAVE POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION



x - FULL DIAMETER

o - SMALL PLUG

NOTE: Samples are not weighted

Equation: $\text{Log (Kmax)} = -2.90 + 39.17 * \text{Porosity}$

Correlation Coefficient: $r = .458$

COMPANY: PARAMOUNT RESOURCES

FIGURE: 2

LOCATION: 60-10N-117-15W

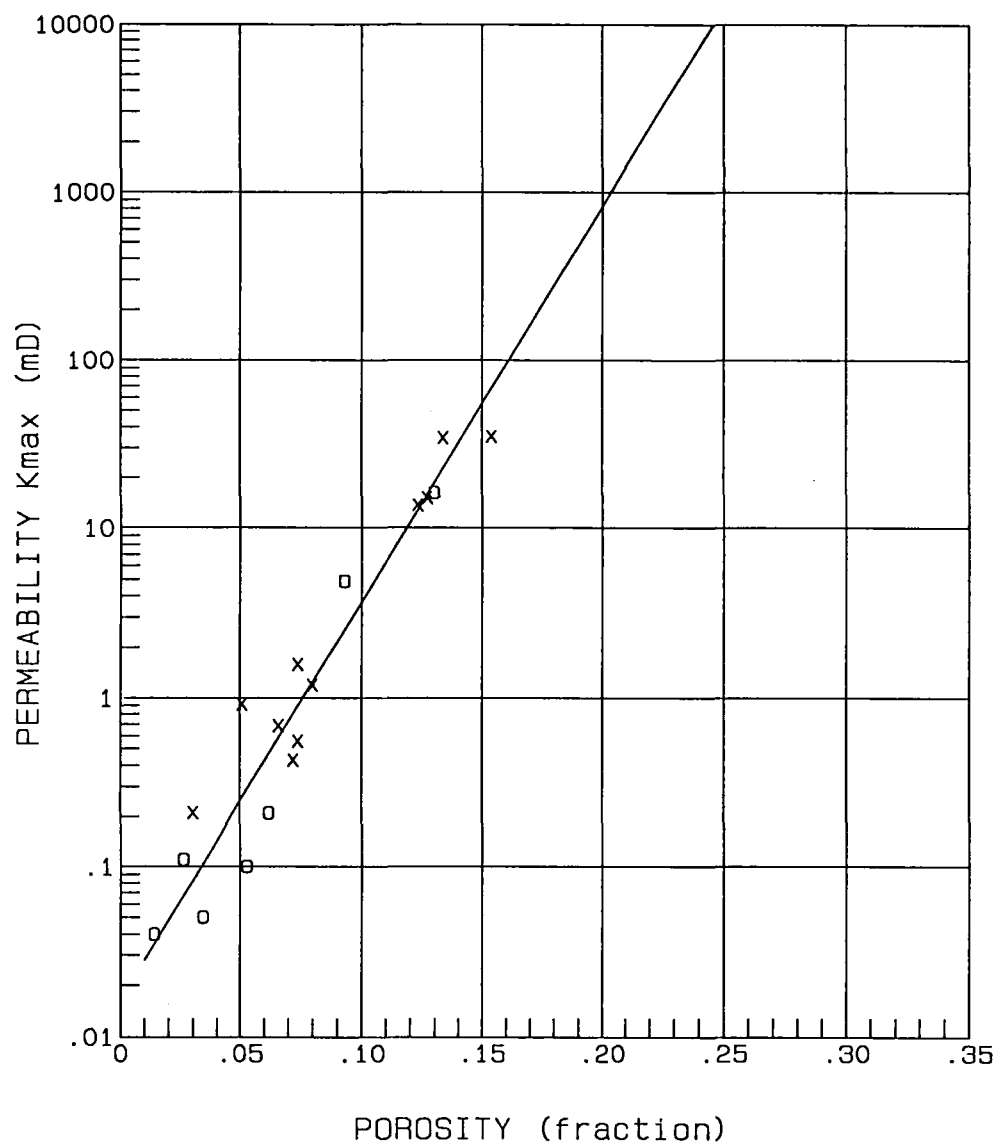
W/O NO: RC3070

INTERVAL: 1397.00-1407.00

DATE: 26-03-91

FORMATION: SULPHUR POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION



x - FULL DIAMETER

o - SMALL PLUG

NOTE: Samples are not weighted

Equation: $\text{Log (Kmax)} = -1.78 + 23.51 * \text{Porosity}$

Correlation Coefficient: $r = .959$

COMPANY: PARAMOUNT RESOURCES

FIGURE: 3

LOCATION: 60-10N-117-15W

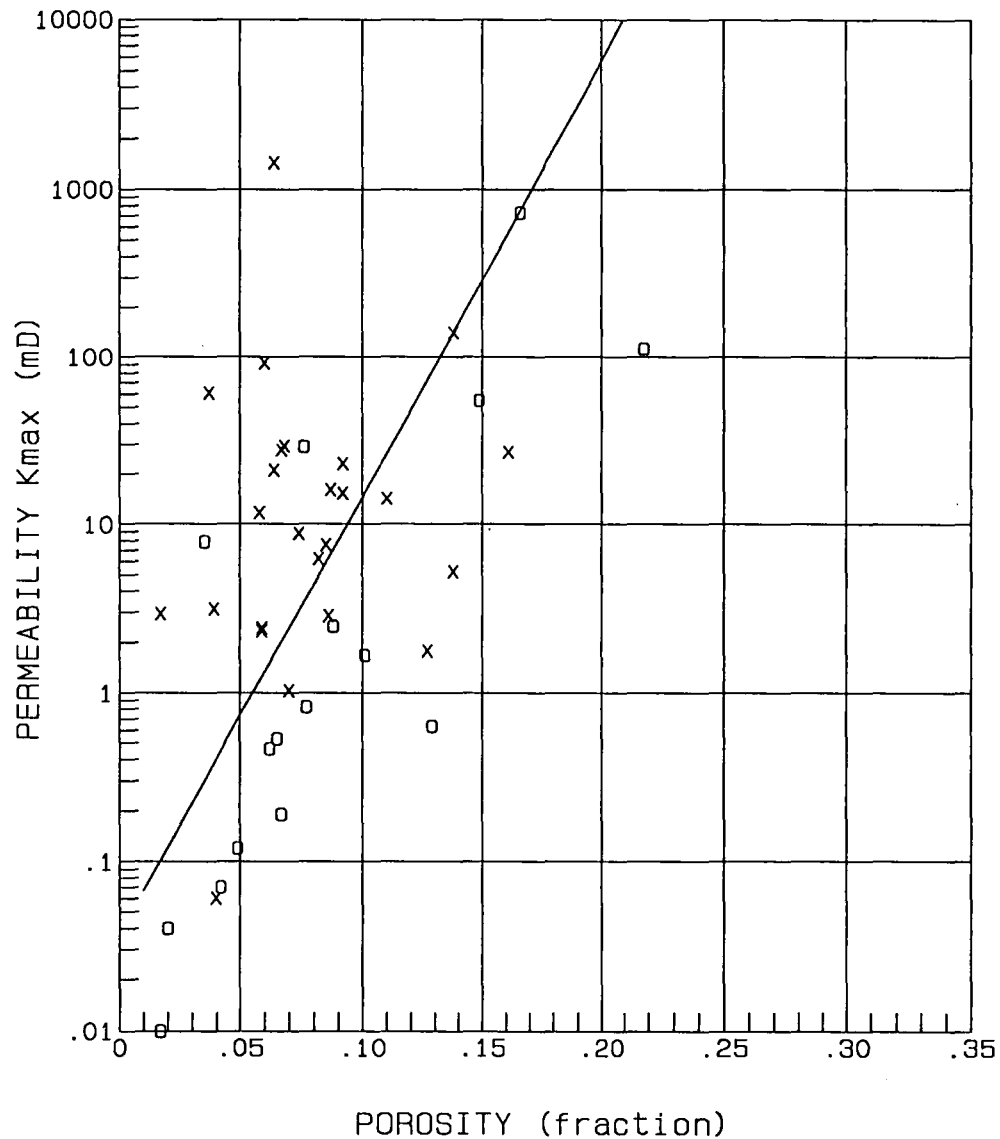
W/O NO: RC3070

INTERVAL: 1407.00-1425.00

DATE: 26-03-91

FORMATION: SULPHUR POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION



x - FULL DIAMETER

o - SMALL PLUG

NOTE: Samples are not weighted

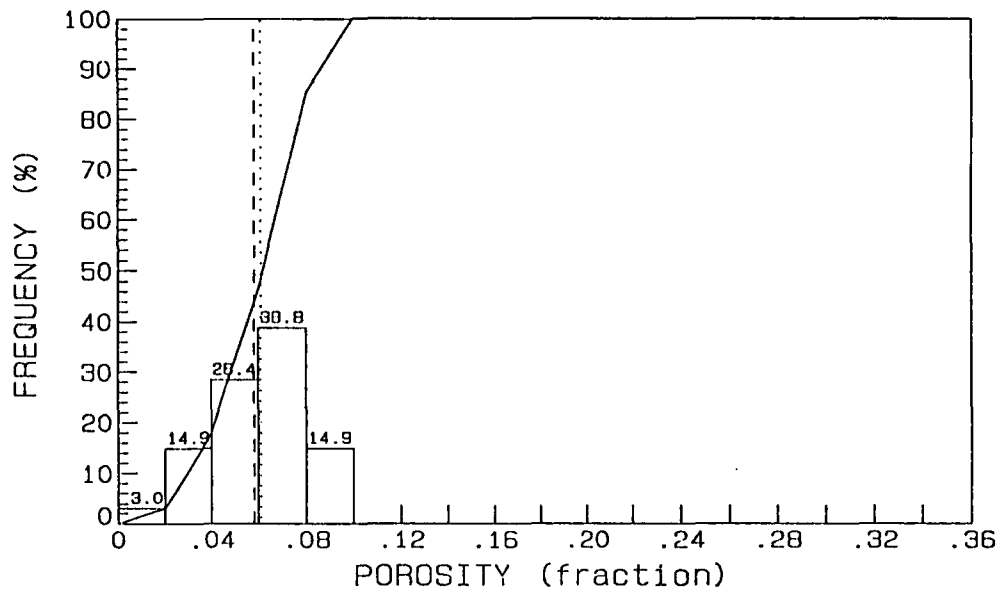
Equation: $\text{Log (Kmax)} = -1.43 + 25.95 * \text{Porosity}$

Correlation Coefficient: $r = .497$

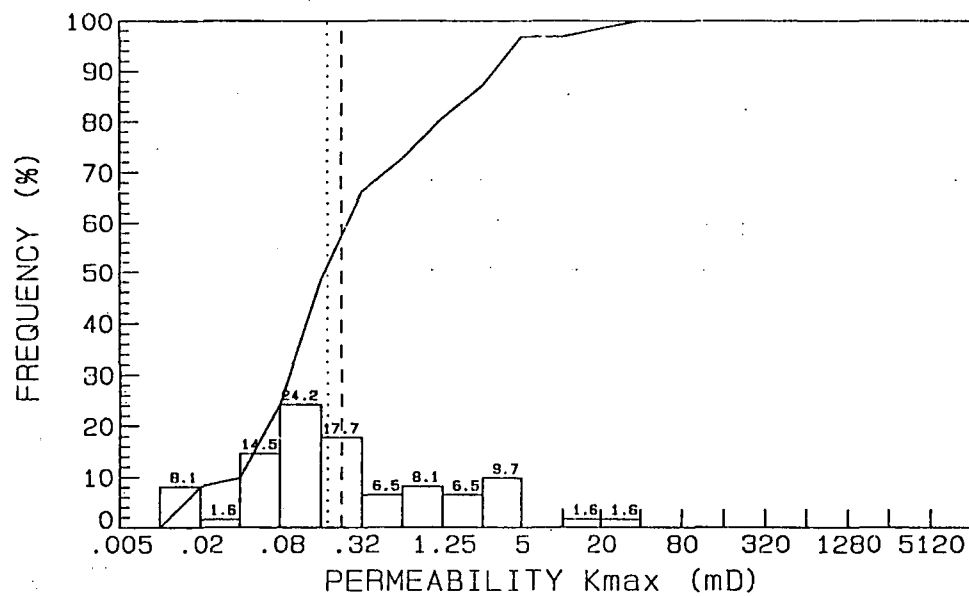
COMPANY: PARAMOUNT RESOURCES
 LOCATION: 60-10N-117-15W
 INTERVAL: 1343.00 - 1377.60m
 FORMATION: SLAVE POINT

FIGURE: 4
 W/O NO: RC3070A
 DATE: 26-03-91

POROSITY FREQUENCY DISTRIBUTION



PERMEABILITY Kmax FREQUENCY DISTRIBUTION



Arith. Mean Porosity	----- POROSITY	- Arith. Mean: .058
Geom. Mean Permeability	-----	Median: .061
Cumulative Frequency %	----- PERMEABILITY	- Geom. Mean: .23
Median		Median: .18

COMPANY: PARAMOUNT RESOURCES

FIGURE: 5

LOCATION: 60-10N-117-15W

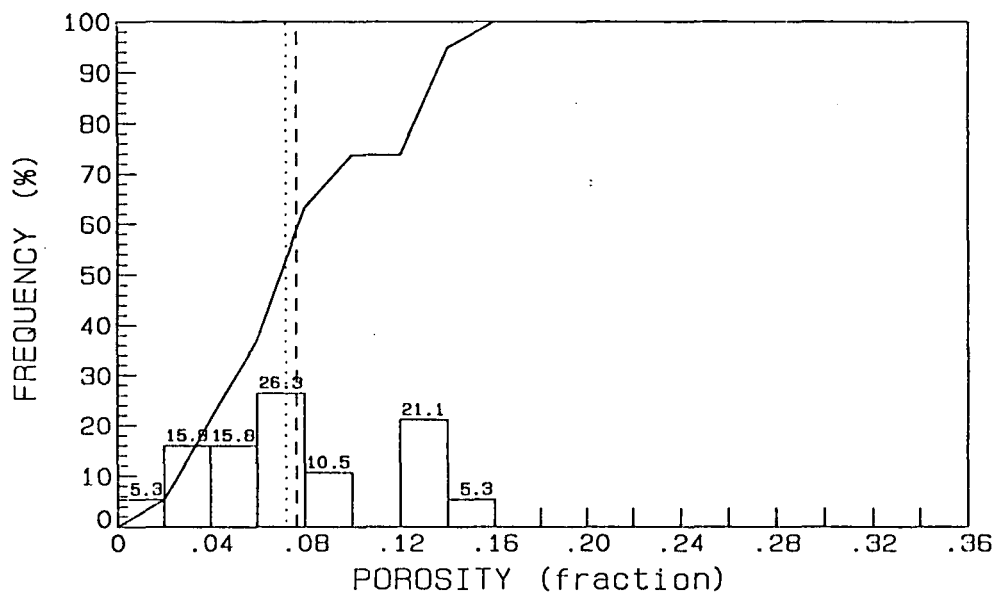
W/O NO: RC3070B

INTERVAL: 1397.00 - 1407m

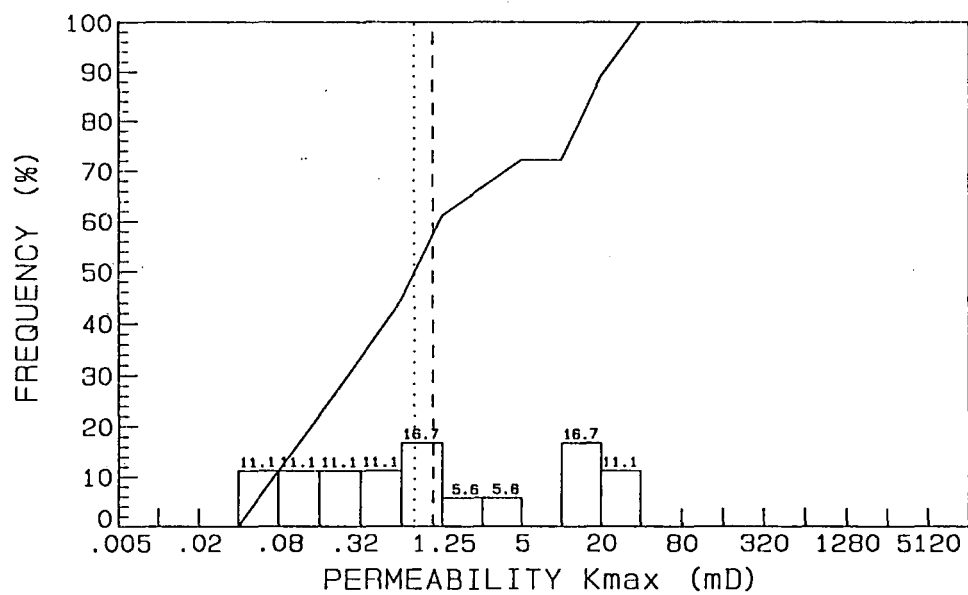
DATE: 26-03-91

FORMATION: SULPHUR POINT

POROSITY FREQUENCY DISTRIBUTION



PERMEABILITY Kmax FREQUENCY DISTRIBUTION



Arith. Mean Porosity	----	POROSITY	-	Arith. Mean:	.077
Geom. Mean Permeability	----			Median:	.072
Cumulative Frequency %	-----	PERMEABILITY	-	Geom. Mean:	1.10
Median				Median:	.80

COMPANY: PARAMOUNT RESOURCES

FIGURE: 6

LOCATION: 60-10N-117-15W

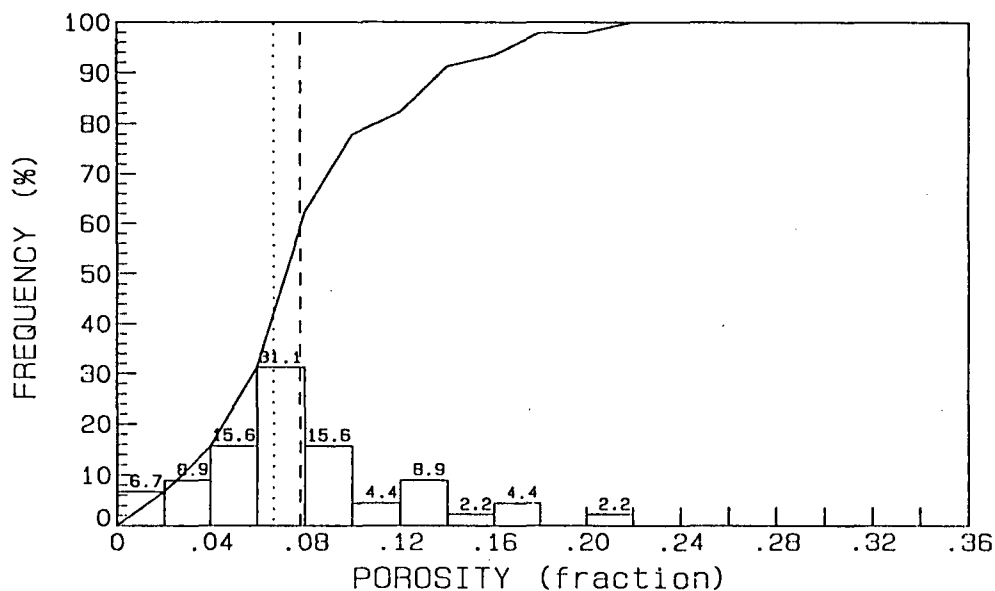
W/O NO: RC3070C

INTERVAL: 1407.00 - 1425.00m

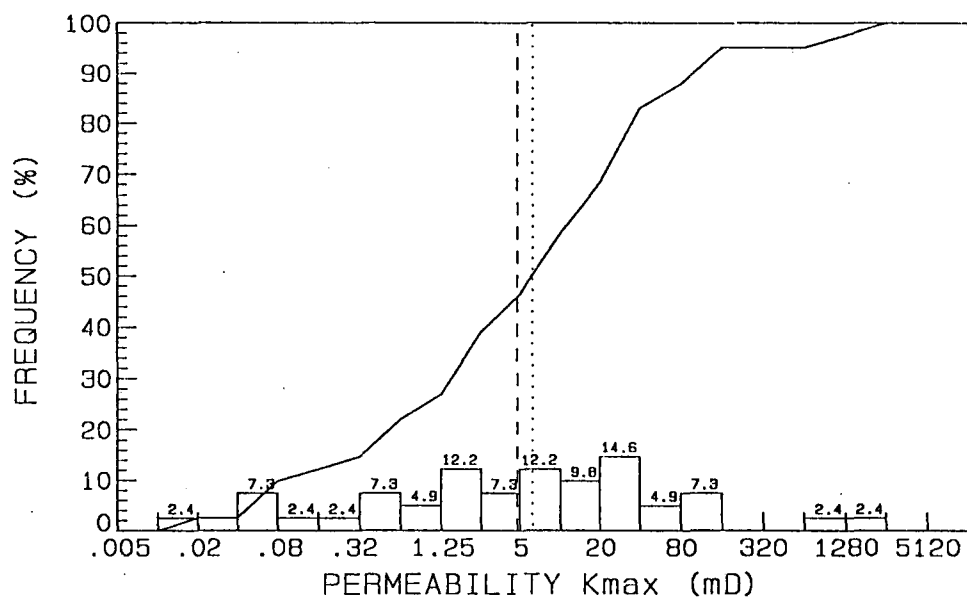
DATE: 26-03-91

FORMATION: SULPHUR POINT

POROSITY FREQUENCY DISTRIBUTION



PERMEABILITY Kmax FREQUENCY DISTRIBUTION

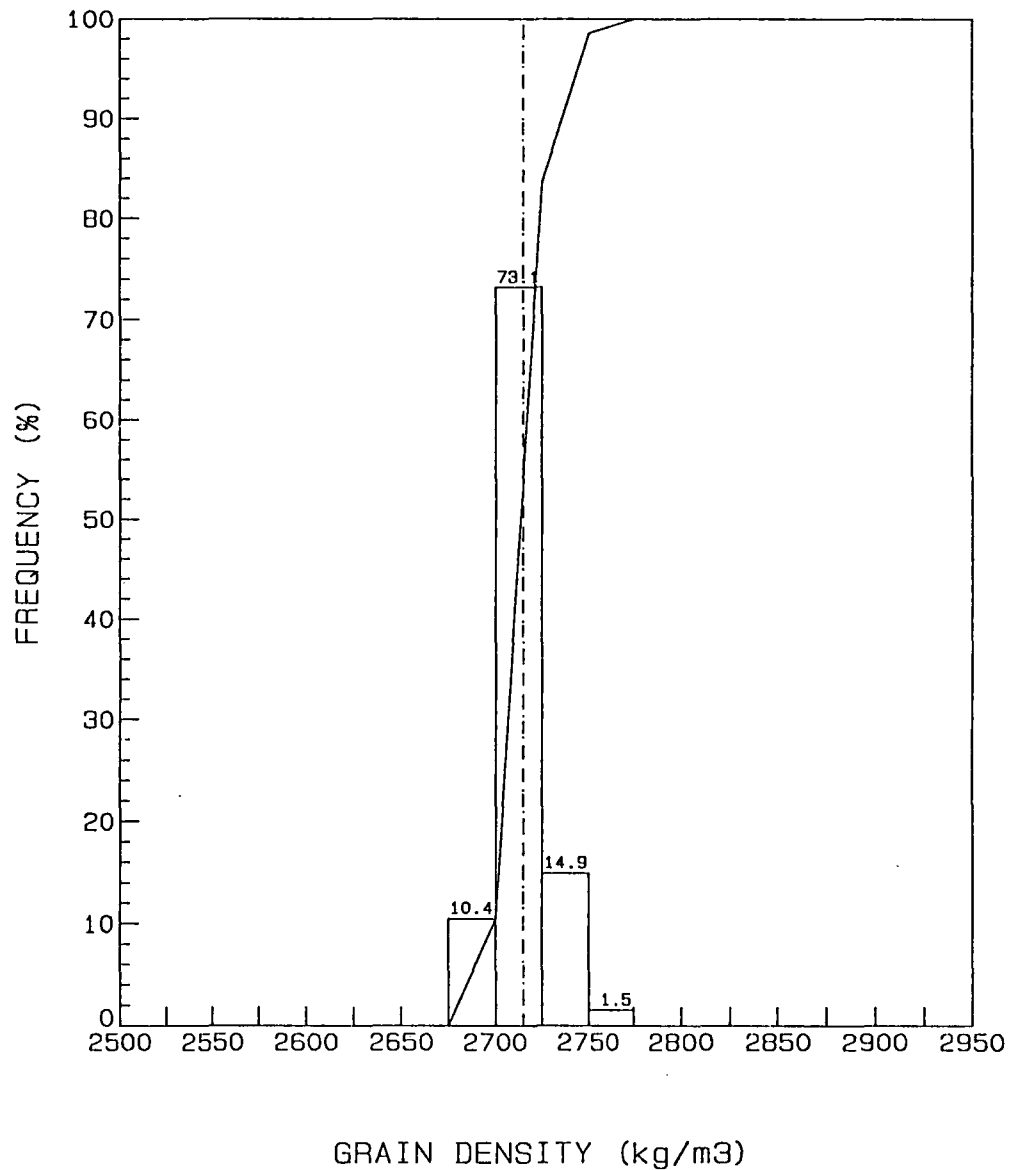


Arith. Mean Porosity	----	POROSITY	-	Arith. Mean:	.078
Geom. Mean Permeability	----			Median:	.067
Cumulative Frequency %	-----	PERMEABILITY	-	Geom. Mean:	4.75
Median				Median:	6.20

COMPANY: PARAMOUNT RESOURCES
LOCATION: 60-10N-117-15W
INTERVAL: 1343.00 - 1377.60m
FORMATION: SLAVE POINT

FIGURE: 7
W/O NO: RC3070A
DATE: 26-03-91

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean	-----	Wt. Avg. Arith. Mean: 2714
Median		
Cumulative Frequency %	—————	Grain Density Median: 2715

COMPANY: PARAMOUNT RESOURCES

FIGURE: 8

LOCATION: 60-10N-117-15W

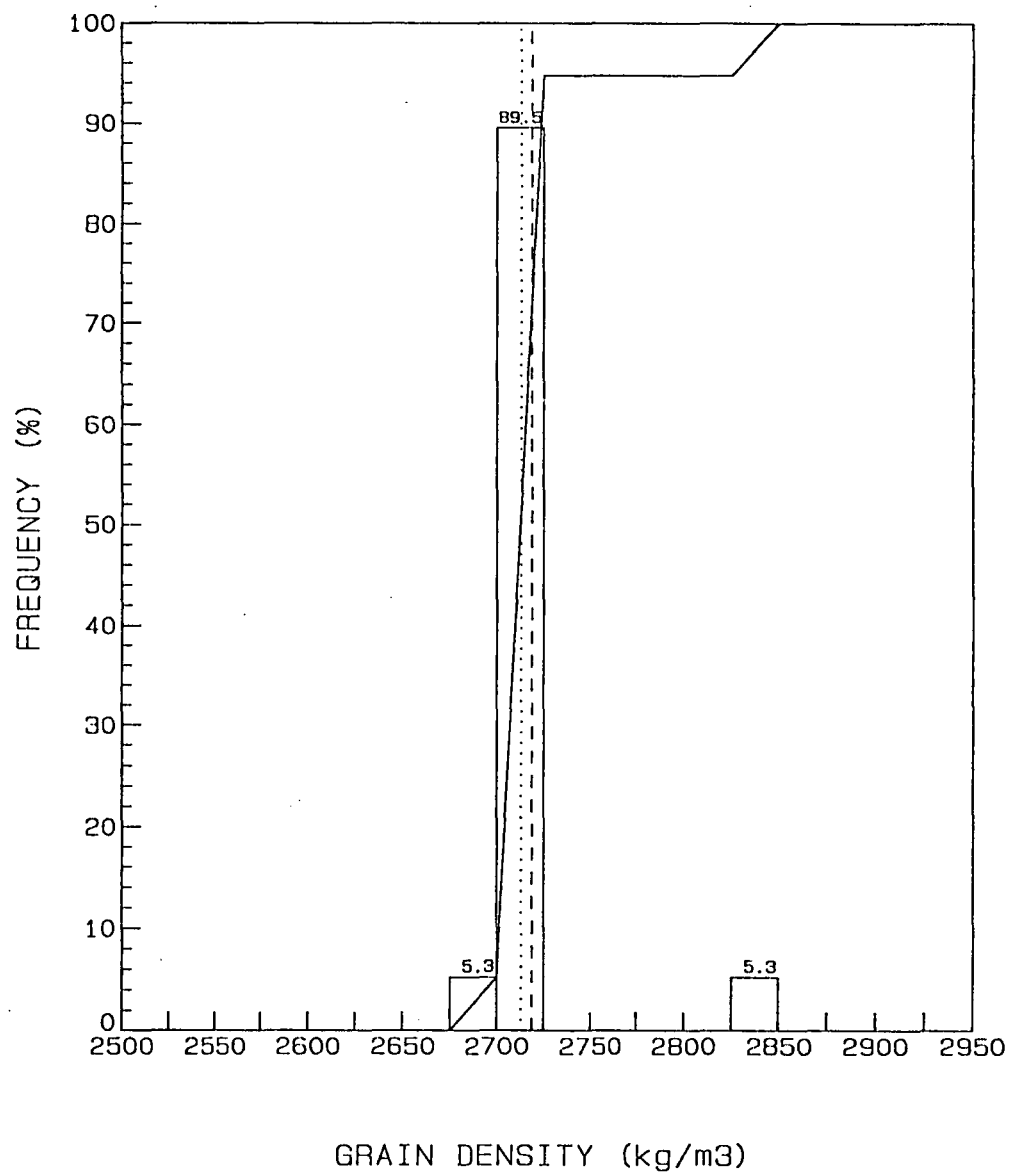
W/O NO: RC3070B

INTERVAL: 1397.00 - 1407m

DATE: 26-03-91

FORMATION: SULPHUR POINT

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean

Wt. Avg. Arith. Mean: 2718

Median

.....

Grain Density Median: 2713

Cumulative Frequency %

—

COMPANY: PARAMOUNT RESOURCES

FIGURE: 9

LOCATION: 60-10N-117-15W

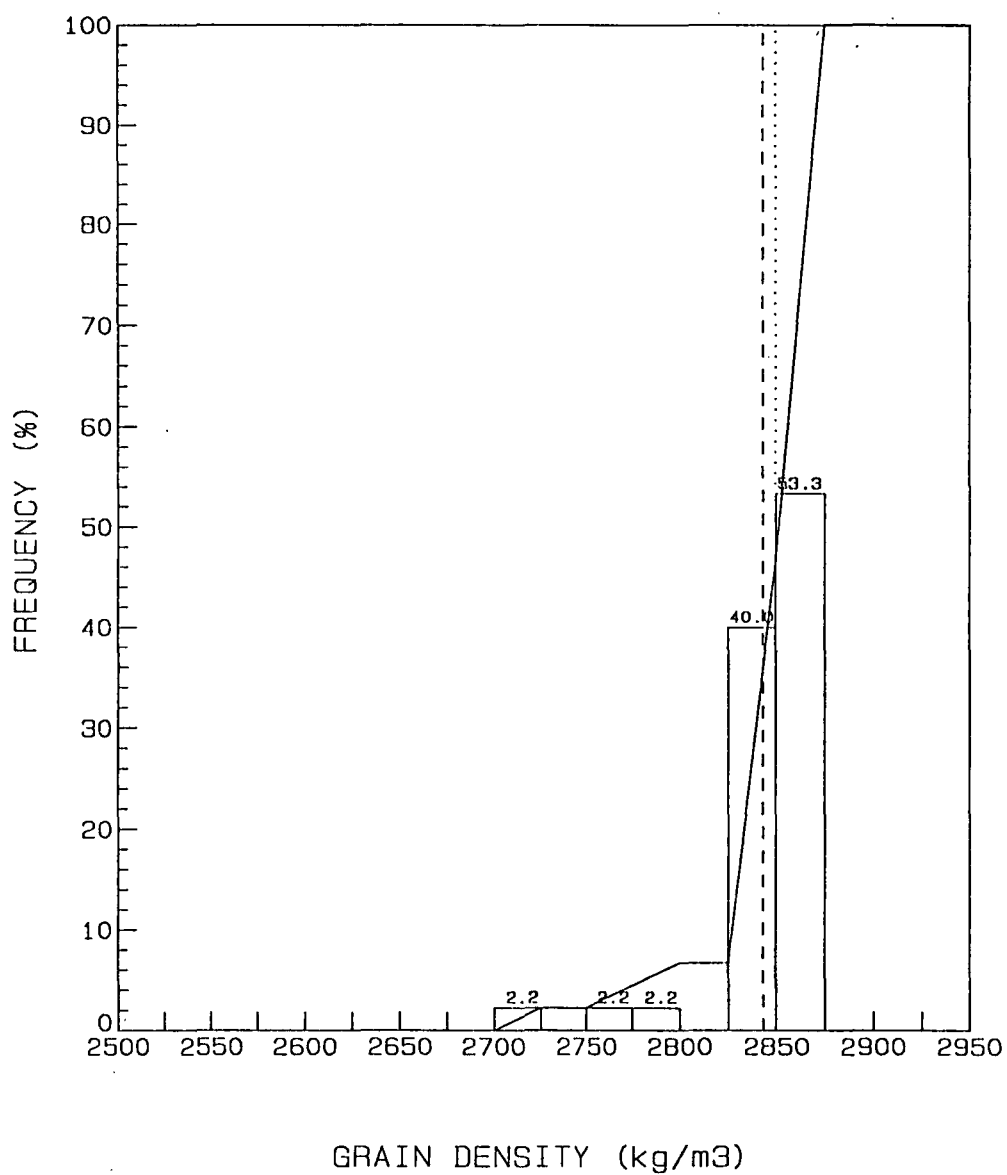
W/O NO: RC3070C

INTERVAL: 1407.00 - 1425.00m

DATE: 26-03-91

FORMATION: SULPHUR POINT

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean

Wt. Avg. Arith. Mean: 2843

Median

.....

Grain Density Median: 2850

Cumulative Frequency %

————

SAMPLE HANDLING

AGAT LABORATORIES CORE SERVICES

SAMPLE HANDLING AND ANALYSIS INFORMATION

Company: PARAMOUNT RESOURCES LTD.
Well: PARA et al CAMERON M-73
Location: 60-10N-117-15W
Field:

Coring Equipment: Diamond
Coring Fluid: Water Base Mud
Core Diameter: 0.10 m
Total Cored: 62.60 m
Total Recovered: 62.60 m

Job Number: RC3070/76
Date: Apr. 05, 1991

HANDLING

Core Transported in: Boxes
Cutting Solution: Water
Cleaning solvent: Toluene
Extraction: CO2-Toluene
Cleaning time: 720 Hours
Drying Equipment: Convectional 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 0.10 m full diameter samples
Permeability measured on 38.1 mm diameter drilled plugs
Full diameter core sandblasted before Kh measurements

REMARKS

12 Sets of Colour and U.V. Photographs.

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
apha	Aphanitic	cmt	Cement (ed)	fos	Fossil (iferous)
		col	Color (ed)	fr	Fair
bcm	Become (ing)	com	Common	frac	Fracture (ed)
bd	Bed	coq	Coquina	frag	Fragment (al)
bdd	Bedded	Cor	Coral	fri	Friable
bdg	Bedding	crbnt	Carbonate	frmwk	Framework
Belm	Belemnites	Crin	Crinoid (al)	fros	Frosted
bent	Bentonite (ic)	crm	Cream		
bf	Buff	crpxl	Cryptocrystalline	g	Good
biocl	Bioclastic	ctc	Contact	Gast	Gastropod
bioturb	Bioturbated			gl	Glass (y)
bit	Bitumen (inous)	deb	Debris	glau	Glaucinite (ic)
bl	Blue (ish)	decr	Decrease (ing)	gn	Green
blk	Black	desi	Desiccation	gr	Grain (ed)
blky	Blocky	dism	Disseminated	gran	Granular
bnd	Band (ed)	dk	Dark (er)	grd	Grade (ed)
Brac	Brachiopod	dns	Dense (er)	grnl	Granule (2-4 mm)
brec	Breccia (ted)	dol	Dolomite (ic)	gy	Grey
bri	Bright	drsy	Druse (y)	gyp	Gypsum (iferous)
brit	Brittle	dtrl	Detrital (us)		
brn	Brown			hd	Hard
Bry	Bryozoa	elg	Elongate	hfrac	Horizontal Fracture
bulb	Bulbous	euhed	Euhedral		
bur	Burrowed				

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	Nodule	pyr	Pyrite (ic) (ized)
intlamlam	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	rex1	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)	trns1	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	vertl	Vertical		
sm	Smooth	vug	Vug (gy) (ular)		
SP	Small Plug (as prefix)	/	With		
sp	Spot (ted) (ty)	w	Well		
spec	Speck (led)	wh	White		
spl	Sample	wk	Weak		
srt	Sort (ed) (ing)	wthrd	Weathered		
strg	Stringer	wtr	Water		
Strom	Stromatoporoid	wvy	Wavy		
stromlt	Stromatolite	wxy	Waxy		
struc	Structure	wsrt	Well sorted		
styl	Stylolite (ic)				
suc	Sucrosic	xbd	Cross-bedded		
sug	Sugary	xbdg	Cross-bedding		
sup	Supported	xl	Crystal (line)		
surf	Surface	xlam	Cross-laminated		
sz	Size				
tab	Tabular	yel	Yellow		
tex	Texture				
Tham	Thamnopora	zn	Zone		
thk	Thick				
thn	Thin				

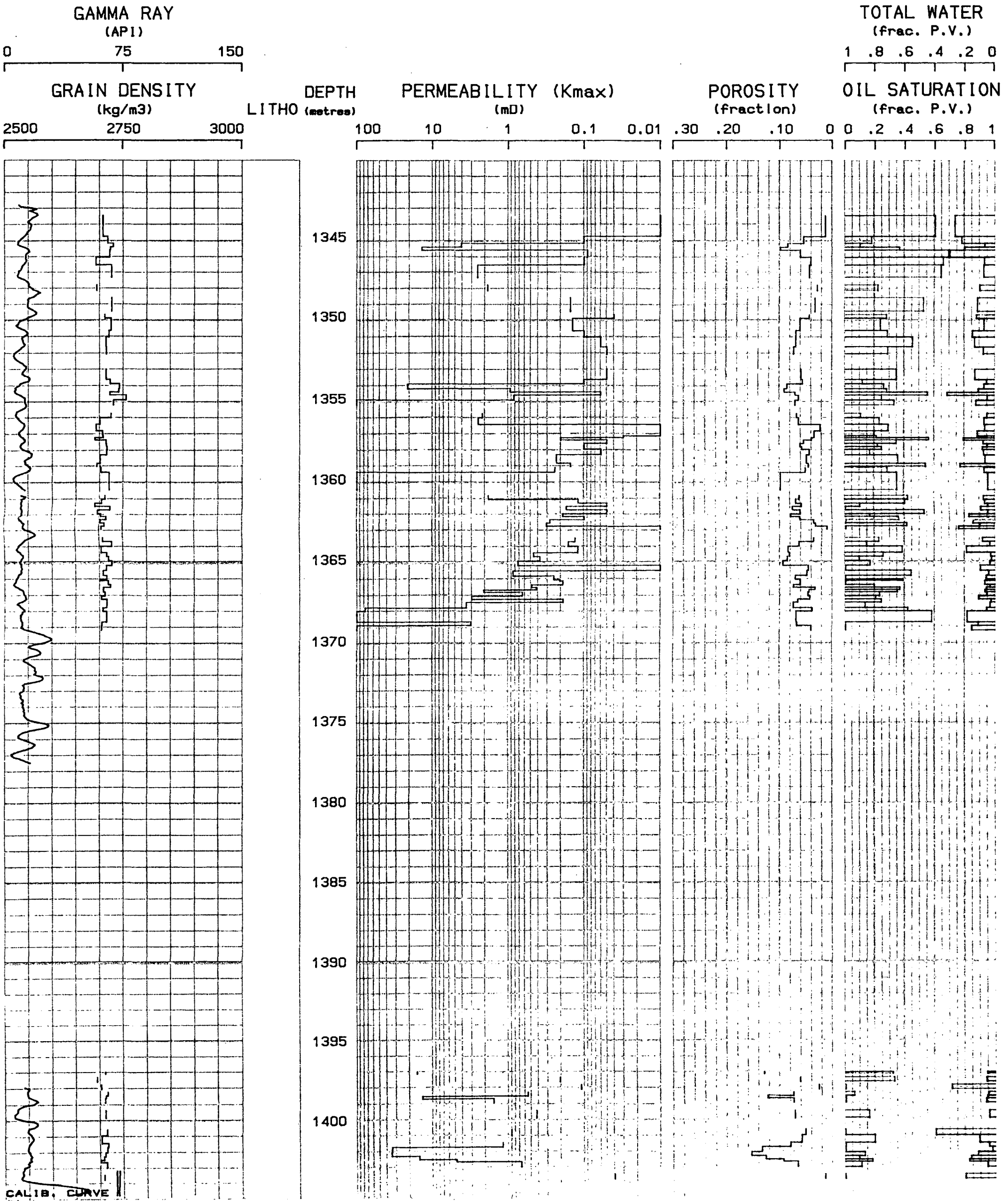
CORE LOG

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070



RECOVERY: 62.60m
CORED INTERVAL: 1343.00 - 1425.00
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

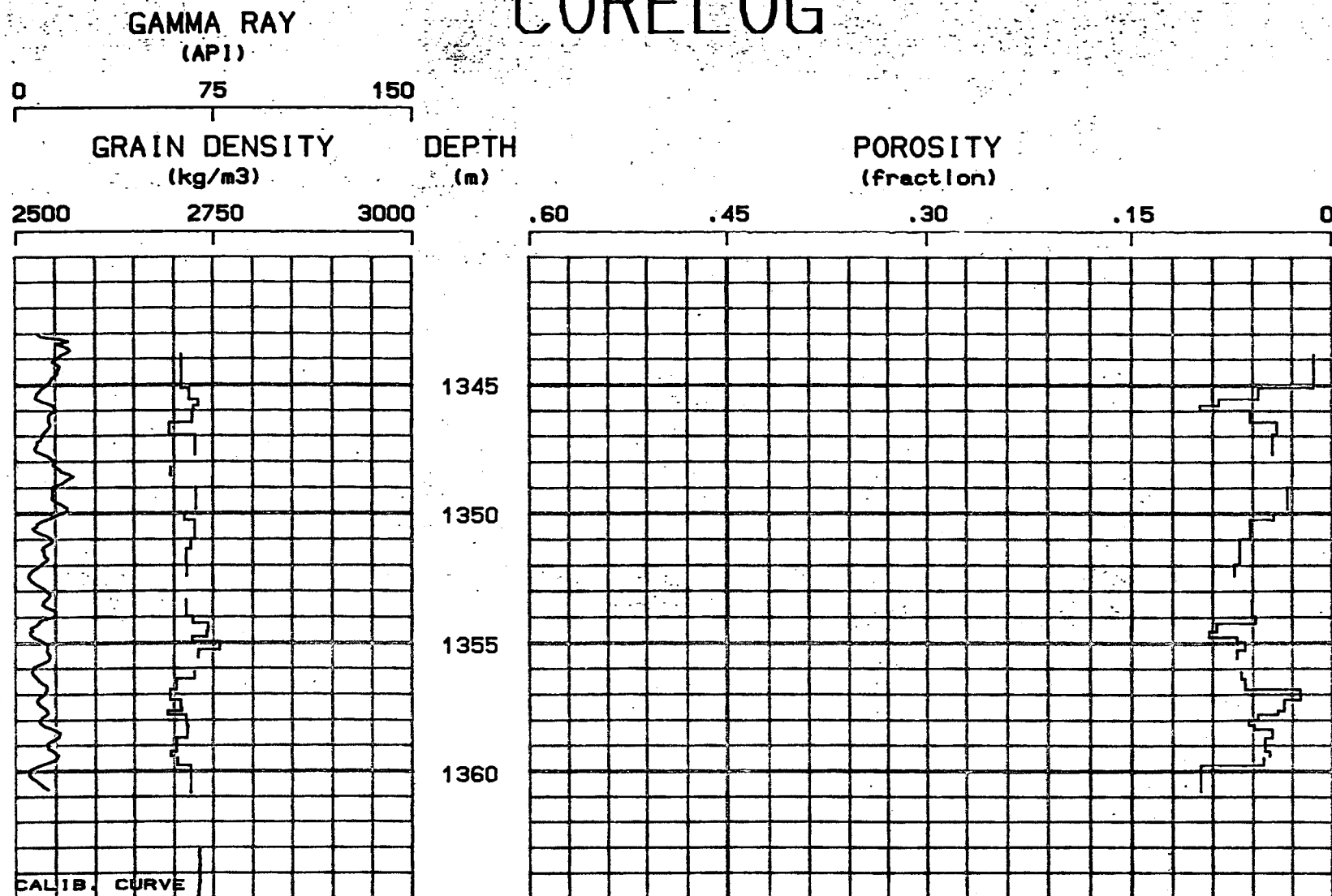


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070A



RECOVERY: 18.00m
CORED INTERVAL: 1343.00-1361.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

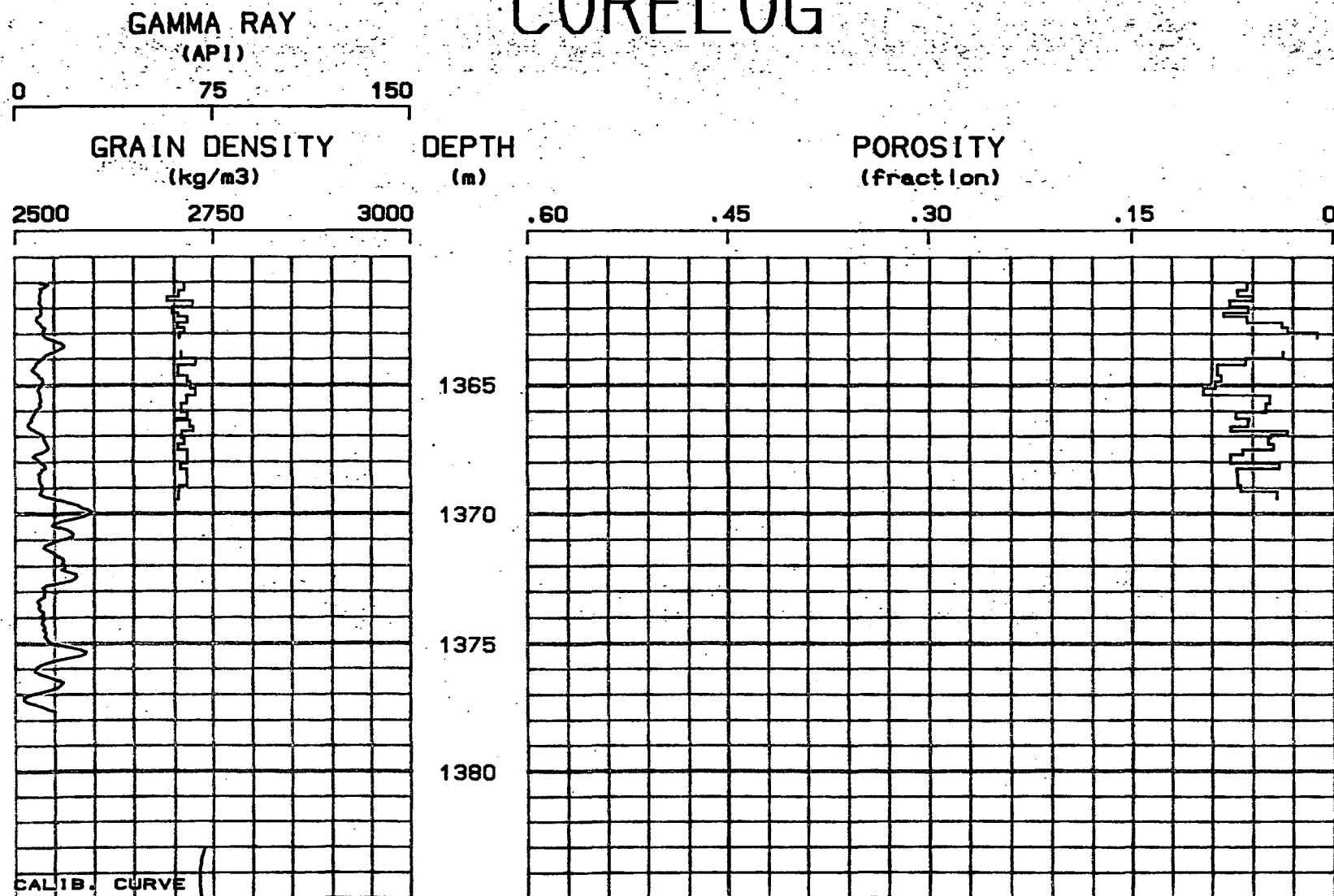


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070B



RECOVERY: 16.60m
CORED INTERVAL: 1361.00 - 1377.60m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

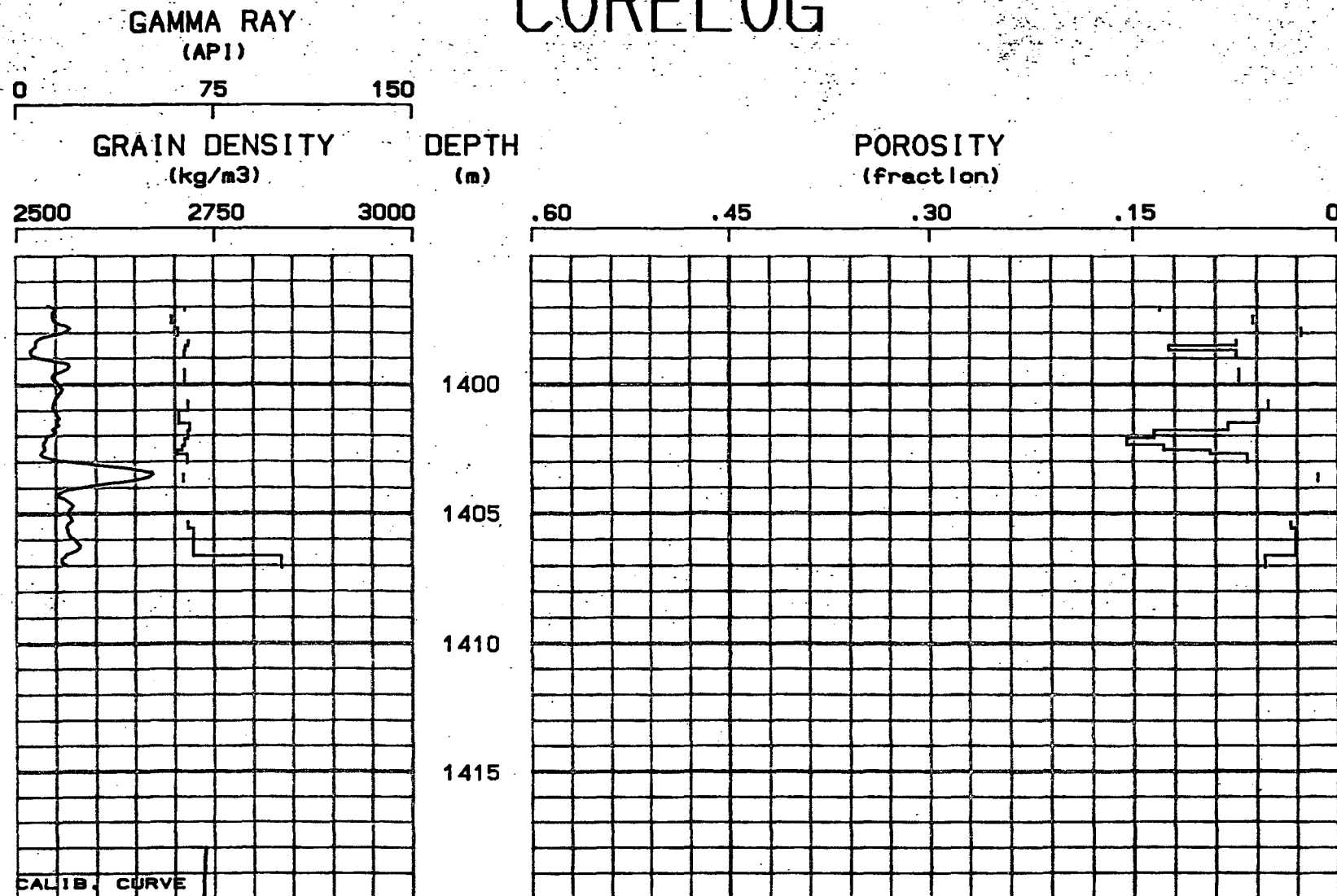


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070C



RECOVERY: 10.00m
CORED INTERVAL: 1397.00 - 1407.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

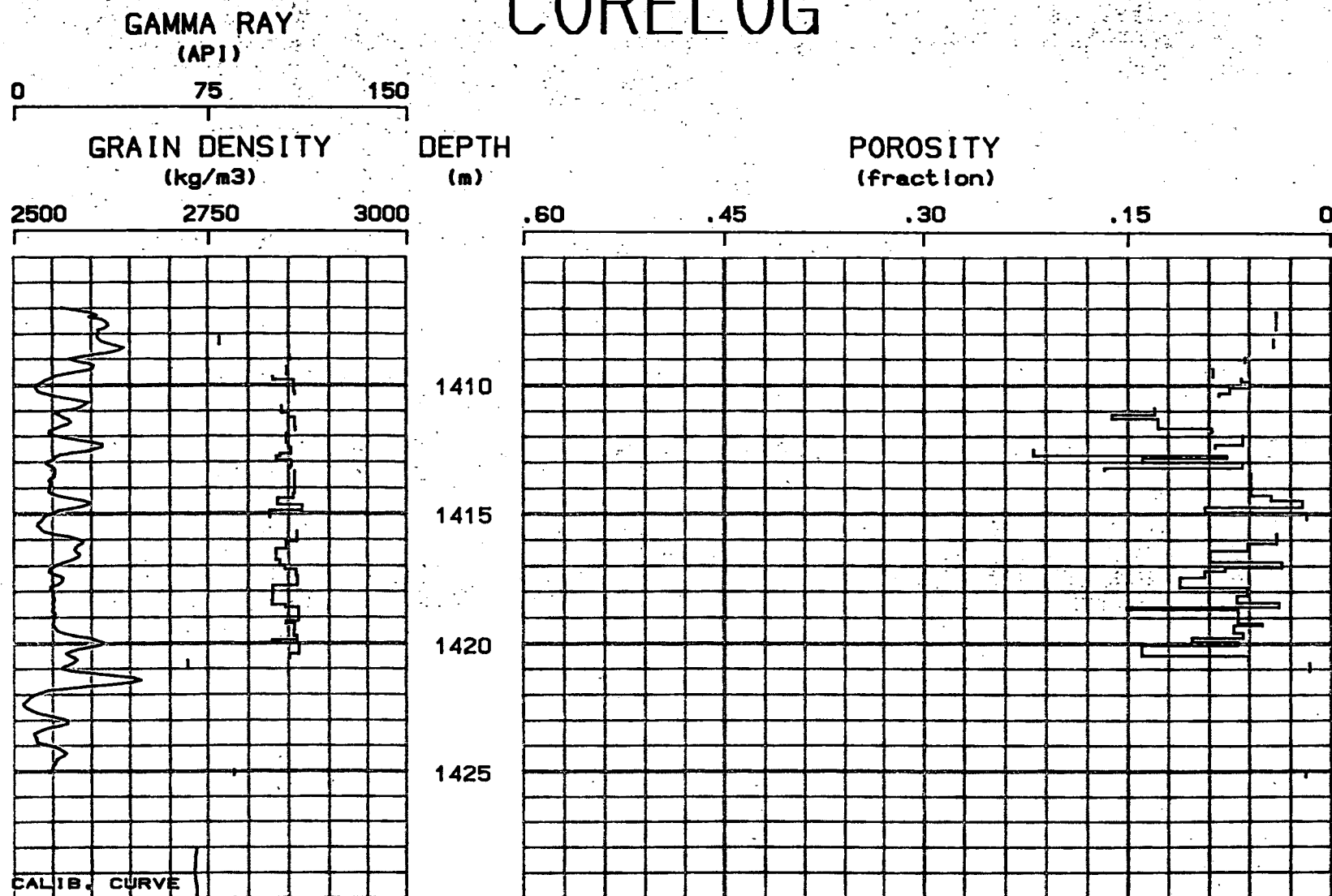


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC30700

AGAT  Labs

RECOVERY: 18.00m
CORED INTERVAL: 1407.00 - 1425.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG



AGAT Laboratories
Core Services Division

OTTAWA COPY

CORE ANALYSIS REPORT

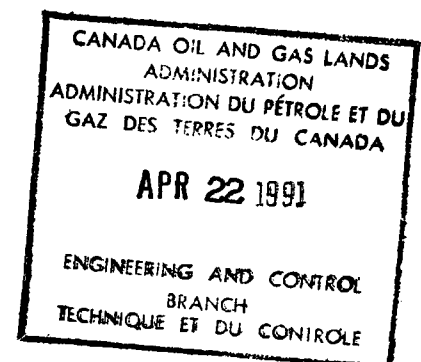
PARA et al CAMERON M-73
60-10N-117-15W

9211-P33-4-7

Prepared for:

PARAMOUNT RESOURCES LTD.

RC3070/76
Apr 1991



3801-21st Street NE
Calgary, Alberta
T2E 6T5
Tel. 299-2000

4954-89th Street
Edmonton, Alberta
T6E 5K1
Tel. 465-0265

9625-115th Street
Grande Prairie
T0J 0J0
Tel. 362-5422

AGAT LABORATORIES CORE SERVICES

TABLE OF CONTENTS

	<u>PAGE</u>
Final Core Analysis Data	1
Quality Control Report	8
Calculated Data Report	15
Grouping by Porosity Ranges	22
Grouping by Permeability Ranges	25
Statistical Data for Porosity and Permeability Histogram - Porosity Cut Off	28
Statistical Data for Porosity and Permeability Histogram - Permeability Cut Off	31
Summary of Core Data Report	34
Porosity - Permeability Correlation	Figure 1,2 & 3
Porosity - Permeability Frequency Distribution	Figure 4,5 & 6
Grain Density Frequency Distribution	Figure 7,8 & 9
 <u>General Information</u>	
Sample Handling and Analysis Information	
Abbreviations	
Core Logs	

CORE ANALYSIS DATA

**PARA et al CAMERON M-73
60-10N-117-15W**

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 1
W/O No: RC3070
Date: 26-03-91

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	

	↓												
	CORE NO. 1 1343.00 - 1361.00 (RECEIVED/CUT = 18.00/18.00m · TOTAL BOXES = 16)												
NA	1343.00	1343.68	.68	-	-	-	-	Q	✓	✓	-	-	ls
001	1343.68	1344.98	1.30	.12	.01	<.01	<.01	.013	2670	2710	.603	.257	ls;f-mxln;scat vugs;vfrac
SP1P	1344.98	1345.42	.44	-	.10	-	-	.055	2570	2720	.175	.211	ls;f-mxln
002	1345.42	1345.64	.22	.11	4.13	1.58	.73	.085	2500	2730	.098	.059	ls;f-mxln;mugs;styl
003	1345.64	1345.85	.21	.07	13.8	1.94	.50	.099	2460	2730	.364	.191	ls;f-mxln;vugs
004	1345.85	1346.31	.46	.10	.09	.09	.08	.061	2560	2720	.701	.299	ls;f-mxln;styl
005	1346.31	1346.79	.48	.10	.10	.04	.03	.041	2580	2690	.656	.061	ls;f-mxln;sl arg
006	1346.79	1347.54	.75	.10	2.52	.03	2.34	.044	2610	2730	.641	.067	ls;f-mxln;vfrac
NA	1347.54	1348.02	.48	-	-	-	-	-	-	-	-	-	ls;arg
007	1348.02	1348.36	.34	.09	1.87	1.06	.03	.029	2620	2700	.218	.093	ls;f-mxln;p-pvugs;hfrac
NA	1348.36	1348.83	.47	-	-	-	-	-	-	-	-	-	ls;arg
008	1348.83	1349.66	.83	.10	.15	.09	.15	.033	2640	2730	.520	.109	ls;f-mxln;p-pvugs;styl
NA	1349.66	1349.87	.21	-	-	-	-	-	-	-	-	-	ls;arg
009	1349.87	1350.10	.23	.10	.04	.03	.02	.043	2600	2710	.275	.115	ls;fxln;styl;arg lam
010	1350.10	1350.83	.73	.10	.14	.10	.03	.061	2560	2730	.233	.065	ls;fxln;p-pvugs
011	1350.83	1351.21	.38	.07	.10	.10	.06	.069	2540	2720	.281	.142	ls;fxln;arg lam
012	1351.21	1351.81	.60	.08	.06	.06	<.01	.069	2530	2720	.450	.126	ls;fxln;p-pvugs
013	1351.81	1352.26	.45	.12	.05	.04	.02	.073	2520	2720	.284	.068	ls;fxln;arg lam
NA	1352.26	1353.20	.94	-	-	-	-	-	-	-	-	-	ls;PART RUBBLE
014	1353.20	1353.80	.60	.12	.05	.04	.95	.060	2550	2720	.341	.123	ls;fxln;p-pvugs
015	1353.80	1354.08	.28	.11	.10	.10	.05	.057	2570	2720	.110	.047	ls;fxln;scat vugs;vfrac
016	1354.08	1354.39	.31	.12	21.3	.22	1.69	.086	2510	2740	.257	.065	ls;fxln;p-pvugs;vfrac

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 2
W/O No: RC3070
Date: 26-03-91

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	
017	✓ 1354.39	1354.60	✓ .21	.10	✓ .94	✓ .37	✓ .38	✓ .092	✓ 2490	✓ 2740	.275	.101	ls;fxln;p-pvugs;vfrac
SP2P	1354.60	1354.80	.20	-	.06	-	-	.071	2530	2720	.551	.308	ls;fxln;p-pvugs
018	1354.80	1355.10	.30	.12	.84	.57	.58	.065	2580	2760	.241	.041	ls;fxln;p-pvugs;vfrac
019	1355.10	1355.43	.33	.08	>10000 *	.14	>(10000) *	.071	2540	2730	.325	.117	ls;fxln;p-pvugs;vfrac
NA	1355.43	1355.95	.52	-	-	-	-	-	-	-	-	-	ls
020	1355.95	1356.22	.27	.11	2.19	.09	4.43	.068	2540	2730	.104	.045	ls;fxln;p-pvugs;vfrac
021	1356.22	1356.61	.39	-	2.51	2.42	.05	.065	2530	2700	.227	.064	ls;f-mxln;vugs;styl
022	1356.61	1357.02	.41	.11	<.01	<.01	<.01	.023	2630	2700	.286	.060	ls;fxln;scat vugs
023	1357.02	1357.33	.31	.13	<.01	<.01	<.01	.035	2610	2710	.192	.108	ls;fxln;scat vugs;arg
024	1357.33	1357.45	.12	.07	.03	<.01	<.01	.035	2620	2710	.206	.058	ls;fxln;scat vugs
SP3P	1357.45	1357.61	.16	-	.20	-	-	.040	2580	2690	.558	.201	ls;fxln;p-pvugs;arg lam
025	1357.61	1357.82	.21	.12	.05	.03	.01	.055	2570	2720	.341	.072	ls;fxln;vugs
026	1357.82	1358.02	.20	.08	.10	.07	.04	.062	2550	2720	.213	.045	ls;fxln;p-pvugs
027	1358.02	1358.19	.17	.08	.10	.09	.08	.058	2560	2720	.242	.076	ls;fxln;p-pvugs
028	1358.19	1358.51	.32	.13	.06	.02	.02	.044	2600	2720	.162	.069	ls;fxln;scat;p-pvugs
029	1358.51	1359.04	.53	.11	.23	.22	.01	.050	2570	2700	.350	.059	ls;f-mxln;p-pvugs;styl
SP4P	1359.04	1359.24	.20	-	.15	-	-	.046	2570	2700	.536	.225	ls;f-mxln;scat p-pvugs
NA	1359.24	1359.30	.06	-	-	-	-	-	-	-	-	-	ls;arg lam
030	1359.30	1359.60	.30	.12	.24	.17	.07	.051	2570	2700	.282	.067	ls;fxln;p-pvugs;styl
031	1359.60	1360.65	1.05	.08	>10000 *	.23	>10000 *	.098	2460	2720	.346	.042	ls;fxln;p-pvugs;vfrac
LC	1360.65	1361.00	.35	-	-	-	-	-	-	-	-	-	lost core

CORE NO: 2 1361.00 - 1377.60 (RECEIVED/CUT = 16.60/16.60m TOTAL BOXES = 15)

032	1361.00	1361.26	.26	.06	1.82	.46	.15	.063	2540	2710	.419	.070	ls;fxln;p-pvugs;hfrac
-----	---------	---------	-----	-----	------	-----	-----	------	------	------	------	------	-----------------------

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 3
W/O No: RC3070
Date: 26-03-91

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	
SP033	1361.26	1361.50	.24	-	.12	-	-	.070	2520	2710	.398	.061	ls;fxln;scat p-pvugs
034	1361.50	1361.68	.18	.10	.05	.02	<.01	.059	2530	2690	.099	.042	ls;fxln;p-pvugs
035	1361.68	1361.90	.22	.07	.17	.14	.01	.076	2520	2720	trc	.088	ls;fxln;p-pvugs;styl
036	1361.90	1362.14	.24	.14	.05	.02	<.01	.062	2530	2700	.526	.041	ls;fxln;p-pvugs
SP5P	1362.14	1362.30	.16	-	.19	-	-	.080	2490	2710	.164	.166	ls;fxln;p-pvugs
037	1362.30	1362.53	.23	.12	.10	.08	<.01	.063	2550	2720	.353	.038	ls;fxln;p-pvugs;arg lam
038	1362.53	1362.73	.20	.11	.28	.06	<.01	.037	2600	2700	.000	.139	ls;fxln;styl;hfrac
039	1362.73	1362.92	.19	.12	.31	.22	<.01	.033	2620	2710	.412	.091	ls;fxln;styl
040	1362.92	1363.11	.19	.09	<.01	<.01	<.01	.011	2680	2710	.000	.232	ls;fxln
NA	1363.11	1363.65	.54	-	-	-	-	-	-	-	-	-	ls;arg lam
041	1363.65	1363.90	.25	.08	.13	.11	.04	.036	2610	2710	.222	.077	ls;fxln;scat vugs;arg lam
042	1363.90	1364.17	.27	.11	.16	.16	.13	.064	2560	2730	.139	.030	ls;fxln;p-pvugs
SP6P	1364.17	1364.56	.39	-	.12	-	-	.085	2480	2710	.378	.181	ls;fxln;scat;p-pvugs
043	1364.56	1364.80	.24	.14	.46	.20	.42	.082	2490	2720	.250	.024	ls;fxln;p-pvugs;vfrac
044	1364.80	1365.08	.28	.13	.38	.37	.02	.086	2490	2720	.090	.020	ls;fxln;vugs
045	1365.08	1365.35	.27	.12	.74	.61	.01	.095	2470	2730	.163	.028	ls;fxln;p-pvugs
046	1365.35	1365.66	.31	.12	<.01	<.01	<.01	.046	2590	2720	.000	.091	ls;fxln;scat;p-pvugs;vfrac
047	1365.66	1365.99	.33	.11	.86	.03	.02	.049	2580	2710	.439	.037	ls;fxln;p-pvugs
048	1365.99	1366.22	.23	.11	.25	.15	.01	.071	2520	2720	.000	.055	ls;fxln;p-pvugs;styl
SP049	1366.22	1366.30	.08	-	.21	-	-	.061	2540	2700	.383	.030	ls;fxln;scat vugs
050	1366.30	1366.53	.23	.11	.19	.15	.04	.062	2550	2720	.000	.064	ls;fxln;p-pvugs;styl
051	1366.53	1366.70	.17	.10	.49	.33	.05	.075	2520	2730	.192	.028	ls;fxln;p-pvugs
052	1366.70	1366.85	.15	.08	.42	.17	<.01	.033	2620	2710	.363	.052	ls;fxln;p-pvugs;styl;hfrac
053	1366.85	1366.98	.13	.07	2.11	.15	.65	.045	2590	2710	.347	.061	ls;fxln;p-pvugs;vfrac
054	1366.98	1367.22	.24	.11	.65	.19	<.01	.047	2580	2710	.227	.050	ls;fxln;p-pvugs;styl;hfrac

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 4
W/O No: RC3070
Date: 26-03-91

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	
055	1367.22	1367.42	.20	.11	3.02	.16	.08	.043	2590	2710	.198	.103	ls;fxln;p-pvugs;arg;vfrac
056	1367.42	1367.62	.20	.07	.19	.04	.17	.066	2540	2720	.237	.022	ls;fxln;p-pvugs;vfrac
057	1367.62	1367.95	.33	.10	3.56	.19	1.27	.075	2510	2720	.129	.028	ls;fxln;p-pvugs;vfrac
058	1367.95	1368.17	.22	.09	76.8 *	.90	.41	.039	2600	2710	.415	.051	ls;fxln;p-pvugs;styl;frac
059	1368.17	1368.83	.66	.08	>10000. *	1.91	>10000. *	.070	2530	2720	.576	.179	ls;fxln;vfrac
060	1368.83	1369.05	.22	.10	3.16	.08	5.05	.068	2520	2710	.000	.106	ls;fxln;p-pvugs;styl;vfrac
061	1369.05	1369.34	.29	.09	>10000. *	<.01	>10000. *	.041	2600	2710	.000	.148	ls;fxln;vfrac
NA	1369.34	1377.60	8.26	-	-	-	-	-	-	-	-	-	ls;arg
Sulphur Pt CORE NO. 3 1397.00 - 1407.00 (RECEIVED/CUT = 10.00/10.00m TOTAL BOXES = 9)													
SP062	1397.00	1397.12	.12	-	16.3	-	-	.130	2360	2710	.315	.046	ls;fxln
NA	1397.12	1397.34	.22	-	-	-	-	-	-	-	-	-	ls;shy
SP063	1397.34	1397.62	.28	-	.21	-	-	.062	2530	2700	.326	.052	ls;fxln;arg lam
NA	1397.62	1397.80	.18	-	-	-	-	-	-	-	-	-	ls;shy
SP001P	1397.80	1398.08	.28	-	.11	-	-	.026	2630	2700	.000	.278	ls;fxln
NA	1398.08	1398.27	.19	-	-	-	-	-	-	-	-	-	ls;shy
064	1398.27	1398.48	.21	.08	.55	.41	.24	.074	2520	2720	.059	.038	ls;fxln;p-pvugs;arg lam
065	1398.48	1398.65	.17	.09	13.7	13.3	2.11	.123	2380	2710	.000	.047	ls;fxln;p-pvugs
066	1398.65	1398.89	.24	.08	1.57	1.54	.45	.074	2510	2710	.000	.053	ls;fxln;p-pvugs
NA	1398.89	1399.38	.49	-	-	-	-	-	-	-	-	-	ls
067	1399.38	1399.84	.46	.09	.43	.42	.12	.072	2520	2710	.157	.034	ls;fxln;p-pvugs
NA	1399.84	1400.58	.74	-	-	-	-	-	-	-	-	-	ls
068	1400.58	1400.94	.36	.09	.91	.28	.11	.051	2580	2720	.000	.383	ls;fxln;p-pvugs;vfrac
SP002P	1400.94	1401.42	.48	-	-	-	-	.058	2550	2710	.196	.099	ls;fxln

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 5
W/O No: RC3070
Date: 26-03-91

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	
069	1401.42	1401.70	.28	.08	1.18	1.13	.05	.080	2500	2720	.000	.035	ls;fxln
070	1401.70	1402.03	.33	.13	34.5	23.6	11.1	.134	2350	2720	.000	.015	ls;fxln;p-pvugs
071	1402.03	1402.28	.25	.08	35.0	16.5	2.12	.154	2300	2710	.129	.109	ls;fxln;p-pvugs
072	1402.28	1402.48	.20	.06	15.0	14.4	2.40	.127	2370	2710	.091	.154	ls;fxln;p-pvugs
SP073	1402.48	1402.62	.14	-	4.89	-	-	.093	2450	2700	.178	.166	ls;fxln;p-pvugs
074	1402.62	1402.96	.34	.11	.68	-	.11	.066	2540	2720	.107	.046	ls;fxln;p-pvugs
NA	1402.96	1403.41	.45	-	-	-	-	-	-	-	-	-	ls;shy
SP003P	1403.41	1403.70	.29	.06	.04	-	-	.014	2670	2710	.000	.189	ls;fxln;arg lam
NA	1403.70	1405.25	1.55	-	-	-	-	-	-	-	-	-	ls;shy
SP004P	1405.25	1405.50	.25	-	.05	-	-	.034	2620	2720	.000	.158	ls;fxln
075	1405.50	1406.56	1.06	.10	.21	.17	.04	.030	2640	2720	.171	.292	ls;fxln;arg
SP076	1406.56	1407.00	.44	-	.10	-	-	.053	2690	2840	.144	.041	dol;fxln;arg
CORE NO. 4 1407.00 - 1425.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 17)													
077	1407.00	1407.67	.67	.12	.06	.05	.02	.040	2740	2850	.062	.473	dol;f-mxln
NA	1407.67	1408.07	.40	-	-	-	-	-	-	-	-	-	dol;arg
SP005P	1408.07	1408.35	.28	-	.07	-	-	.042	2650	2760	.217	.194	dol;fxln;sl arg
NA	1408.35	1408.76	.41	-	-	-	-	-	-	-	-	-	dol;arg
SP078	1408.76	1408.93	.17	-	.46	-	-	.062	2680	2850	.095	.107	dol;fxln;arg
NA	1408.93	1409.20	.27	-	-	-	-	-	-	-	-	-	dol;shy
079	1409.20	1409.50	.30	.08	2.86	2.77	.98	.086	2600	2850	.089	.271	dol;fxln;scat vugs;arg lam
NA	1409.50	1409.58	.08	-	-	-	-	-	-	-	-	-	dol;shy
SP006P	1409.58	1409.70	.12	-	.53	-	-	.065	2650	2830	.254	.102	dol;fxln
080	1409.70	1409.93	.23	.11	2.43	1.04	.37	.059	2690	2860	.114	.032	dol;fxln;vugs;vfrac

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 6
W/O No: RC3070
Date: 26-03-91

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	
081	1409.93	1410.15	.22	.11	8.83	7.10	.56	.074	2640	2860	.118	.020	dol;fxln;vugs;cracks
082	1410.15	1410.25	.10	.08	6.20	2.43	.37	.082	2630	2860	.131	.044	dol;fxln;vugs
NA	1410.25	1410.70	.45	-	-	-	-	-	-	-	-	-	dol;shy
SP007P	1410.70	1410.96	.26	-	.63	-	-	.129	2480	2840	.121	.172	dol;fxln;vugs
083	1410.96	1411.13	.17	.09	27.0	19.5	5.26	.161	2390	2850	.046	.195	dol;fxln;vugs;foss
084	1411.13	1411.50	.37	.13	1.76	1.31	.32	.127	2500	2860	.095	.199	dol;fxln;foss;arg
085	1411.50	1411.64	.14	.07	16.1	16.0	1.16	.087	2610	2860	.160	.045	dol;fxln;vugs
NA	1411.64	1411.76	.12	-	-	-	-	-	-	-	-	-	dol;shy
086	1411.76	1412.11	.35	.11	1430.	161.	.95	.064	2670	2850	.186	.031	dol;fxln;vugs;cracks
087	1412.11	1412.23	.12	.06	7.54	5.73	2.98	.085	2610	2850	.067	.227	dol;fxln;vugs;arg
NA	1412.23	1412.30	.07	-	-	-	-	-	-	-	-	-	dol;shy
SP008P	1412.30	1412.55	.25	-	112.	-	-	.218	2230	2850	.484	.340	dol;fxln;vugs
SP088	1412.55	1412.65	.10	-	29.2	-	-	.076	2630	2840	.061	.085	dol;fxln;vugs
089	1412.65	1412.80	.15	.05	140.	108.	58.9	.138	2440	2840	.230	.064	dol;fxln;vugs
090	1412.80	1413.02	.22	.12	21.1	1.14	22.1	.064	2670	2850	.483	.034	dol;fxln;vugs;vfrac
SP091	1413.02	1413.11	.09	-	728.	-	-	.166	2380	2850	.230	.035	dol;fxln;vugs
NA	1413.11	1413.22	.11	-	-	-	-	-	-	-	-	-	dol;shy
092	1413.22	1414.09	.87	.10	11.7	9.26	1.15	.058	2690	2860	.156	.033	dol;fxln;vugs;vfrac
093	1414.09	1414.28	.19	.09	321. *	39.2 *	67.0 *	.043	2730	2860	.298	.063	dol;fxln;vugs;frac
SP009P	1414.28	1414.55	.27	-	.04	-	-	.020	2780	2840	trc	.188	dol;fxln
094	1414.55	1414.76	.21	.05	15.3	7.50	1.78	.092	2600	2870	.162	.068	dol;fxln
095	1414.76	1415.02	.26	.09	2.95	.39	5.61	.017	2780	2830	.226	.096	dol;fxln;scat vugs;vfrac
NA	1415.02	1415.58	.56	-	-	-	-	-	-	-	-	-	dol;PART RUBBLE
096	1415.58	1415.96	.38	.12	3.14	2.49	.14	.039	2750	2860	.146	.124	dol;fxln;scat vugs;arg alm
097	1415.96	1416.24	.28	.12	134. *	1.43	54.4 *	.060	2680	2850	.062	.279	dol;fxln;scat vugs;vfrac

* - Affected by fracture or crack as mentioned in remarks

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FORMATION: SLAVE POINT
DRILLING FLUID: WATER BASE MUD

AGAT LABORATORIES

Page: 7
W/O No: RC3070
Date: 26-03-91

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	
SP098	1416.24	1416.68	.44	-	2.48	-	-	.088	2590	2840	.186	.156	dol;fxln;p-pvugs
SP010P	1416.68	1416.90	.22	-	7.86	-	-	.035	2740	2840	trc	.121	dol;fxln;frac
SP011P	1416.90	1417.04	.14	-	.82	-	-	.077	2630	2850	.817	.108	dol;fxln;vugs
099	1417.04	1417.28	.24	.10	23.0	20.9	8.33	.092	2600	2860	.196	.024	dol;fxln;vugs
100	1417.28	1417.66	.38	.12	14.2	6.72	2.71	.110	2550	2860	.146	.329	dol;fxln;vugs;hfrac
101	1417.66	1417.96	.30	.06	91.6	32.0	33.8	.060	2660	2830	.284	.120	dol;fxln;biomolds;vfrac
102	1417.96	1418.23	.27	.12	29.3	18.4	13.4	.068	2640	2830	.290	.049	dol;fxln;vugs
103	1418.23	1418.41	.18	.08	60.3	26.3	1.32	.037	2730	2830	.554	.236	dol;fxln;vugs;hfrac
SP012P	1418.41	1418.51	.10	-	55.1	-	-	.149	2420	2850	.391	.092	dol;fxln;vugs
104	1418.51	1419.03	.52	.13	27.6	14.3	11.9	.067	2670	2860	.437	.110	dol;fxln;vugs;frac
SP105	1419.03	1419.11	.08	-	.12	-	-	.049	2710	2850	.402	.056	dol;fxln;p-pvugs
106	1419.11	1419.38	.27	.10	1.02	.90	-	.070	2660	2860	.241	.101	dol;fxln;vugs
107	1419.38	1419.59	.21	.08	438. *	19.9 *	.55	.063	2680	2860	.081	.023	dol;fxln;vugs;vfrac
SP108	1419.59	1419.74	.15	-	1.67	-	-	.101	2580	2860	.160	.119	dol;fxln
SP013P	1419.74	1419.87	.13	-	.19	-	-	.067	2640	2830	.314	.312	dol;fxln;vugs
109	1419.87	1420.27	.40	.12	5.24	3.99	1.27	.138	2470	2860	.276	.181	dol;fxln;p-pvugs
110	1420.27	1420.45	.18	.10	2.33	2.22	1.82	.059	2680	2850	.182	.307	dol;fxln;vugs;arg lam;frac
NA	1420.45	1420.53	.08	-	-	-	-	-	-	-	-	-	dol;shy
111	1420.53	1420.84	.31	.11	170. *	.08	49.8 *	.014	2690	2730	.200	.085	ls;fxln;scat p-pvugs;vfrac
NA	1420.84	1424.80	3.96	-	-	-	-	-	-	-	-	-	dol;shy
SP014P	1424.80	1425.00	.20	-	<.01	-	-	.017	2740	2780	.532	.119	dol;fxln

* - Affected by fracture or crack as mentioned in remarks

CORE ANALYSIS - QUALITY CONTROL REPORT

DATE: 4- 5-1991

WORK ORDER: RC3070
 COMPANY: PARAMOUNT RESOURCES
 WELL: PARA et al CAMERON M-73
 LOCATION: 60-10N-117-15W

CORE NO.1 1343.00 - 1361.00 REC:18.00

NA	1343.00	1343.68			
001	1343.68	1344.98			
SP1P	1344.98	1345.42			
002	1345.42	1345.64			
003	1345.64	1345.85			
004	1345.85	1346.31			
005	1346.31	1346.79			
006	1346.79	1347.54			
-KMAX	(2.52)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.40)	Vertical fracture
-KV	(2.34)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.11)	Vertical fracture
-K90	(.03)	IS LESS THAN KV (2.34)			Vertical fracture
NA	1347.54	1348.02			
007	1348.02	1348.36			
-KMAX	(1.87)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.10)	Horizontal fracture
-K90	(1.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.08)	Horizontal fracture
NA	1348.36	1348.83			
008	1348.83	1349.66			
-KV	(.15)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.04)	Vertical fracture
-K90	(.09)	IS LESS THAN KV (.15)			Vertical fracture
NA	1349.66	1349.87			
009	1349.87	1350.10			
010	1350.10	1350.83			
011	1350.83	1351.21			
012	1351.21	1351.81			
-KMAX	(.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.11 -	3.78)	Result verified
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.10)	Result verified
013	1351.81	1352.26			
-KMAX	(.05)	IS OUTSIDE FOUR STANDARD DEVIATION (	.15 -	5.43)	Result verified
-K90	(.04)	IS OUTSIDE FOUR STANDARD DEVIATION (	.05 -	1.90)	Result verified
-KV	(.02)	IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.60)	Result verified
NA	1352.26	1353.20			
014	1353.20	1353.80			
-KV	(.95)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.48)	Vertical fracture

-KMAX (	.05)	IS LESS THAN KV (	.95)		Vertical fracture
-K90 (	.04)	IS LESS THAN KV (	.95)		Vertical fracture
015	1353.80	1354.08			
016	1354.08	1354.39			
-KMAX (	21.34)	IS OUTSIDE FOUR STANDARD DEVIATION (	.49 -	17.53)	Vertical fracture
-K90 (	.22)	IS LESS THAN KV (	1.69)		Vertical fracture
017	1354.39	1354.60			
-K90 (	.37)	IS LESS THAN KV (	.38)		Vertical fracture
SP2P	1354.60	1354.80			
-KMAX (	.06)	IS OUTSIDE FOUR STANDARD DEVIATION (	.13 -	4.53)	Vertical fracture
018	1354.80	1355.10			
-K90 (	.57)	IS LESS THAN KV (	.58)		Vertical fracture
019	1355.10	1355.43			
-KMAX (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	.13 -	4.53)	Open vertical fracture
-KV (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.32)	Open vertical fracture
-K90 (	.14)	IS LESS THAN KV (	10200.00)		Open vertical fracture
NA	1355.43	1355.95			
020	1355.95	1356.22			
-KV (	4.43)	IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.00)	Vertical fracture
-KMAX (	2.19)	IS LESS THAN KV (	4.43)		Vertical fracture
-K90 (	.09)	IS LESS THAN KV (	4.43)		Vertical fracture
021	1356.22	1356.61			
-K90 (	2.42)	IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.07)	Result verified
022	1356.61	1357.02			
023	1357.02	1357.33			
024	1357.33	1357.45			
SP3P	1357.45	1357.61			
025	1357.61	1357.82			
026	1357.82	1358.02			
027	1358.02	1358.19			
028	1358.19	1358.51			
029	1358.51	1359.04			
SP4P	1359.04	1359.24			
NA	1359.24	1359.30			
030	1359.30	1359.60			
031	1359.60	1360.65			
-KMAX (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	1.44 -	51.74)	Open vertical fracture
-K90 (	.23)	IS OUTSIDE FOUR STANDARD DEVIATION (	.31 -	11.22)	Result verified
-KV (	10200.00)	IS OUTSIDE FOUR STANDARD DEVIATION (	.45 -	16.36)	Open vertical fracture
-K90 (	.23)	IS LESS THAN KV (	10200.00)		Open vertical fracture
LC	1360.65	1361.00			

CORE NO.2 1361.00 - 1377.60 REC:16.60

032 1361.00 1361.26

SP033	1361.26	1361.50			
034	1361.50	1361.68			
035	1361.68	1361.90			
-KMAX	(.17)	IS OUTSIDE FOUR STANDARD DEVIATION (	.20 -	7.11)	Result verified
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION (	.06 -	2.11)	Stylolite
036	1361.90	1362.14			
SP5P	1362.14	1362.30			
-KMAX	(.19)	IS OUTSIDE FOUR STANDARD DEVIATION (	.28 -	10.21)	Result verified
037	1362.30	1362.53			
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION (	.02 -	.63)	Argillaceous laminae
038	1362.53	1362.73			
-KMAX	(.28)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.21)	Horizontal fracture
039	1362.73	1362.92			
-KMAX	(.31)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.15)	Result verified
-K90	(.22)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.11)	Result verified
040	1362.92	1363.11			
NA	1363.11	1363.65			
041	1363.65	1363.90			
042	1363.90	1364.17			
SP6P	1364.17	1364.56			
-KMAX	(.12)	IS OUTSIDE FOUR STANDARD DEVIATION (	.45 -	16.02)	Poorly connected vugs
043	1364.56	1364.80			
-K90	(.20)	IS LESS THAN KV (.42)			Vertical fracture
044	1364.80	1365.08			
-KMAX	(.38)	IS OUTSIDE FOUR STANDARD DEVIATION (	.49 -	17.53)	Result verified; poorly connected vugs
-KV	(.02)	IS OUTSIDE FOUR STANDARD DEVIATION (	.15 -	5.35)	Result verified; poorly connected vugs
045	1365.08	1365.35			
-KMAX	(.74)	IS OUTSIDE FOUR STANDARD DEVIATION (	1.10 -	39.48)	Result verified; poorly connected vugs
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION (	.34 -	12.37)	Result verified; poorly connected vugs
046	1365.35	1365.66			
047	1365.66	1365.99			
-KMAX	(.86)	IS OUTSIDE FOUR STANDARD DEVIATION (	.02 -	.62)	Vertical fracture
048	1365.99	1366.22			
-KV	(.01)	IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.32)	Stylolite
SP049	1366.22	1366.30			
050	1366.30	1366.53			
051	1366.53	1366.70			
052	1366.70	1366.85			
-KMAX	(.42)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.15)	Horizontal fracture
-K90	(.17)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.11)	Horizontal fracture
053	1366.85	1366.98			
-KMAX	(2.11)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.43)	Vertical fracture
-KV	(.65)	IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.12)	Vertical fracture
-K90	(.15)	IS LESS THAN KV (.65)			Vertical fracture
054	1366.98	1367.22			

055	-KMAX (.65) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.52)Horizontal fracture along stylolite
	1367.22 1367.42		
056	-KMAX (3.02) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.36)Vertical fracture
	1367.42 1367.62		
057	-K90 (.04) IS LESS THAN KV (.17)		Vertical fracture
	1367.62 1367.95		
058	-K90 (.19) IS LESS THAN KV (1.27)		Vertical fracture
	1367.95 1368.17		
	-KMAX (76.80) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.25)Fractured
	-K90 (.90) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.17)Fractured
	-KV (.41) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.07)Fractured
059	1368.17 1368.83		
	-KMAX (10200.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.12 -	4.14)Open vertical fracture
	-K90 (1.91) IS OUTSIDE FOUR STANDARD DEVIATION (	.04 -	1.53)Result verified
	-KV (10002.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.21)Open vertical fracture
	-K90 (1.91) IS LESS THAN KV (10002.00)		Open vertical fracture
060	1368.83 1369.05		
	-KV (5.05) IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.00)Vertical fracture
	-KMAX (3.16) IS LESS THAN KV (5.05)		Vertical fracture
	-K90 (.08) IS LESS THAN KV (5.05)		Vertical fracture
061	1369.05 1369.34		
	-KMAX (10200.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.30)Open vertical fracture
	-KV (10200.00) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.08)Open vertical fracture
	-K90 (.01) IS LESS THAN KV (10200.00)		Open vertical fracture
NA	1369.34 1377.60		

CORE NO.3 1397.00 - 1407.00 REC:10.00

SP062	1397.00	1397.12
NA	1397.12	1397.34
SP063	1397.34	1397.62
NA	1397.62	1397.80
SP001P	1397.80	1398.08
NA	1398.08	1398.27
064	1398.27	1398.48
065	1398.48	1398.65
066	1398.65	1398.89
NA	1398.89	1399.38
067	1399.38	1399.84
NA	1399.84	1400.58
068	1400.58	1400.94
SP002P	1400.94	1401.42
069	1401.42	1401.70
070	1401.70	1402.03
071	1402.03	1402.28

072 1402.28 1402.48
 SP073 1402.48 1402.62
 074 1402.62 1402.96
 NA 1402.96 1403.41
 SP003P 1403.41 1403.70
 NA 1403.70 1405.25
 SP004P 1405.25 1405.50
 075 1405.50 1406.56
 SP076 1406.56 1407.00

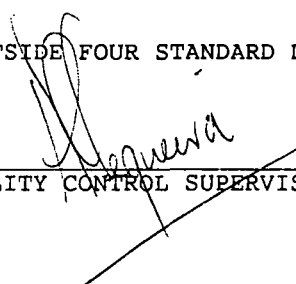
CORE NO.4 1407.00 - 1425.00 REC:18.00

077 1407.00 1407.67
 -KMAX (.06) IS OUTSIDE FOUR STANDARD DEVIATION (.07 - 2.41) Result verified; argillaceous
 -K90 (.05) IS OUTSIDE FOUR STANDARD DEVIATION (.11 - 3.88) Result verified; argillaceous
 -KV (.02) IS OUTSIDE FOUR STANDARD DEVIATION (.04 - 1.45) Result verified; argillaceous
 NA 1407.67 1408.07
 SP005P 1408.07 1408.35
 NA 1408.35 1408.76
 SP078 1408.76 1408.93
 NA 1408.93 1409.20
 079 1409.20 1409.50
 NA 1409.50 1409.58
 SP006P 1409.58 1409.70
 080 1409.70 1409.93
 081 1409.93 1410.15
 082 1410.15 1410.25
 NA 1410.25 1410.70
 SP007P 1410.70 1410.96
 -KMAX (.63) IS OUTSIDE FOUR STANDARD DEVIATION (13.67 - 492.11) Result verified
 083 1410.96 1411.13
 -KMAX (26.99) IS OUTSIDE FOUR STANDARD DEVIATION (92.52 - 3330.87) Result verified; intraskeletal porosity
 -K90 (19.46) IS OUTSIDE FOUR STANDARD DEVIATION (68.99 - 2483.66) Result verified; intraskeletal porosity
 -KV (5.26) IS OUTSIDE FOUR STANDARD DEVIATION (22.62 - 814.34) Result verified; intraskeletal porosity
 084 1411.13 1411.50
 -KMAX (1.76) IS OUTSIDE FOUR STANDARD DEVIATION (12.13 - 436.67) Result verified; intraskeletal porosity
 -K90 (1.31) IS OUTSIDE FOUR STANDARD DEVIATION (11.23 - 404.18) Result verified; intraskeletal porosity
 -KV (.32) IS OUTSIDE FOUR STANDARD DEVIATION (3.82 - 137.46) Result verified; intraskeletal porosity
 085 1411.50 1411.64
 NA 1411.64 1411.76
 086 1411.76 1412.11
 -KMAX (1426.75) IS OUTSIDE FOUR STANDARD DEVIATION (.28 - 10.12) Well connected vugs and cracks
 -K90 (161.19) IS OUTSIDE FOUR STANDARD DEVIATION (.39 - 13.98) Well connected vugs and cracks
 087 1412.11 1412.23
 NA 1412.23 1412.30

SP008P 1412.30 1412.55
 -KMAX (112.00) IS OUTSIDE FOUR STANDARD DEVIATION (2789.82 - 10000.00) Result verified; intraskeletal porosity
 SP088 1412.55 1412.65
 -KMAX (29.20) IS OUTSIDE FOUR STANDARD DEVIATION (.58 - 20.73) Fractured
 089 1412.65 1412.80
 090 1412.80 1413.02
 -KMAX (21.06) IS OUTSIDE FOUR STANDARD DEVIATION (.28 - 10.12) Vertical fracture
 -KV (22.10) IS OUTSIDE FOUR STANDARD DEVIATION (.14 - 5.09) Vertical fracture
 -KMAX (21.06) IS LESS THAN KV (22.10) Vertical fracture
 -K90 (1.14) IS LESS THAN KV (22.10) Vertical fracture
 SP091 1413.02 1413.11
 NA 1413.11 1413.22
 092 1413.22 1414.09
 -KMAX (11.69) IS OUTSIDE FOUR STANDARD DEVIATION (.20 - 7.07) Vertical fracture
 093 1414.09 1414.28
 -KMAX (320.79) IS OUTSIDE FOUR STANDARD DEVIATION (.08 - 2.88) Fractured
 -K90 (39.19) IS OUTSIDE FOUR STANDARD DEVIATION (.13 - 4.55) Fractured
 -KV (66.97) IS OUTSIDE FOUR STANDARD DEVIATION (.05 - 1.70) Fractured
 -K90 (39.19) IS LESS THAN KV (66.97) Fractured
 SP009P 1414.28 1414.55
 094 1414.55 1414.76
 095 1414.76 1415.02
 -KMAX (2.95) IS OUTSIDE FOUR STANDARD DEVIATION (.02 - .61) Vertical fracture
 -KV (5.61) IS OUTSIDE FOUR STANDARD DEVIATION (.01 - .44) Vertical fracture
 -KMAX (2.95) IS LESS THAN KV (5.61) Vertical fracture
 -K90 (.39) IS LESS THAN KV (5.61) Vertical fracture
 NA 1415.02 1415.58
 096 1415.58 1415.96
 -KMAX (3.14) IS OUTSIDE FOUR STANDARD DEVIATION (.06 - 2.27) Horizontal fractures and cracks
 097 1415.96 1416.24
 -KMAX (134.34) IS OUTSIDE FOUR STANDARD DEVIATION (.22 - 7.97) Vertical fracture
 -KV (54.35) IS OUTSIDE FOUR STANDARD DEVIATION (.11 - 4.13) Vertical fracture
 -K90 (1.43) IS LESS THAN KV (54.35) Vertical fracture
 SP098 1416.24 1416.68
 SP010P 1416.68 1416.90
 -KMAX (7.86) IS OUTSIDE FOUR STANDARD DEVIATION (.05 - 1.79) Fractured
 SP011P 1416.90 1417.04
 099 1417.04 1417.28
 100 1417.28 1417.66
 101 1417.66 1417.96
 -KMAX (91.56) IS OUTSIDE FOUR STANDARD DEVIATION (.22 - 7.97) Vertical fracture
 -K90 (31.99) IS OUTSIDE FOUR STANDARD DEVIATION (.31 - 11.29) Result verified
 -KV (33.82) IS OUTSIDE FOUR STANDARD DEVIATION (.11 - 4.13) Vertical fracture
 -K90 (31.99) IS LESS THAN KV (33.82) Vertical fracture
 102 1417.96 1418.23

-KMAX (29.29) IS OUTSIDE FOUR STANDARD DEVIATION (	.36 -	12.85) Result verified; biomoldic porosity
-K90 (18.40) IS OUTSIDE FOUR STANDARD DEVIATION (	.48 -	17.31) Result verified; biomoldic porosity
-KV (13.35) IS OUTSIDE FOUR STANDARD DEVIATION (	.17 -	6.27) Result verified; biomoldic porosity
103 1418.23 1418.41		
-KMAX (60.33) IS OUTSIDE FOUR STANDARD DEVIATION (	.06 -	2.02) Horizontal fracture
-K90 (26.30) IS OUTSIDE FOUR STANDARD DEVIATION (	.09 -	3.31) Horizontal fracture
-KV (1.32) IS OUTSIDE FOUR STANDARD DEVIATION (	.03 -	1.24) Result verified
SP012P 1418.41 1418.51		
104 1418.51 1419.03		
-KMAX (27.63) IS OUTSIDE FOUR STANDARD DEVIATION (	.34 -	12.11) Fractured
-KV (11.93) IS OUTSIDE FOUR STANDARD DEVIATION (	.17 -	5.95) Fractured
SP105 1419.03 1419.11		
106 1419.11 1419.38		
107 1419.38 1419.59		
-KMAX (438.14) IS OUTSIDE FOUR STANDARD DEVIATION (	.26 -	9.53) Fractured
-K90 (19.93) IS OUTSIDE FOUR STANDARD DEVIATION (	.37 -	13.25) Fractured
SP108 1419.59 1419.74		
-KMAX (1.67) IS OUTSIDE FOUR STANDARD DEVIATION (	2.56 -	92.34) Result verified
SP013P 1419.74 1419.87		
-KMAX (.19) IS OUTSIDE FOUR STANDARD DEVIATION (	.34 -	12.11) Result verified
109 1419.87 1420.27		
-KMAX (5.24) IS OUTSIDE FOUR STANDARD DEVIATION (	23.41 -	842.63) Result verified
-K90 (3.99) IS OUTSIDE FOUR STANDARD DEVIATION (	20.20 -	727.25) Result verified
-KV (1.27) IS OUTSIDE FOUR STANDARD DEVIATION (	6.79 -	244.43) Result verified; argillaceous laminae
110 1420.27 1420.45		
NA 1420.45 1420.53		
111 1420.53 1420.84		
-KMAX (170.35) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.51) Vertical fracture
-KV (49.83) IS OUTSIDE FOUR STANDARD DEVIATION (	.01 -	.37) Vertical fracture
-K90 (.08) IS LESS THAN KV (49.83)		Vertical fracture
NA 1420.84 1424.80		
SP014P 1424.80 1425.00		
-KMAX (.01) IS OUTSIDE FOUR STANDARD DEVIATION (	.02 -	.61) Vertical fracture

APPROVED:


 QUALITY CONTROL SUPERVISOR

Apr. 5, 1991

DATE

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 15
W/O No: RC3070
Date: 26-03-91

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 1343.00 - 1361.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 16)										
NA	1343.00	1343.68	.68	-	-	-	-	-	-	-
001	1343.68	1344.98	1.30	1.30	.017	.017	.013	.013	.013	.010
SP1P	1344.98	1345.42	.44	1.74	.024	.041	.024	.044	.057	.033
002	1345.42	1345.64	.22	1.96	.019	.060	.031	.908	.965	.493
003	1345.64	1345.85	.21	2.17	.021	.081	.037	2.891	3.856	1.777
004	1345.85	1346.31	.46	2.63	.028	.109	.041	.041	3.898	1.482
005	1346.31	1346.79	.48	3.11	.020	.128	.041	.048	3.946	1.269
006	1346.79	1347.54	.75	3.86	.033	.161	.042	1.890	5.836	1.512
NA	1347.54	1348.02	.48	-	-	-	-	-	-	-
007	1348.02	1348.36	.34	4.20	.010	.171	.041	.636	6.472	1.541
NA	1348.36	1348.83	.47	-	-	-	-	-	-	-
008	1348.83	1349.66	.83	5.03	.027	.199	.039	.124	6.596	1.311
NA	1349.66	1349.87	.21	-	-	-	-	-	-	-
009	1349.87	1350.10	.23	5.26	.010	.208	.040	.009	6.606	1.256
010	1350.10	1350.83	.73	5.99	.045	.253	.042	.102	6.708	1.120
011	1350.83	1351.21	.38	6.37	.026	.279	.044	.038	6.746	1.059
012	1351.21	1351.81	.60	6.97	.041	.321	.046	.036	6.782	.973
013	1351.81	1352.26	.45	7.42	.033	.353	.048	.022	6.804	.917
NA	1352.26	1353.20	.94	-	-	-	-	-	-	-
014	1353.20	1353.80	.60	8.02	.036	.389	.049	.030	6.834	.852
015	1353.80	1354.08	.28	8.30	.016	.405	.049	.028	6.862	.827
016	1354.08	1354.39	.31	8.61	.027	.432	.050	6.617	13.479	1.565

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 16
W/O No: RC3070
Date: 26-03-91

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.	
017	1354.39	1354.60	.21	8.82	.019	.451	.051	.197	13.676	1.551
SP2P	1354.60	1354.80	.20	9.02	.014	.466	.052	.012	13.688	1.518
018	1354.80	1355.10	.30	9.32	.019	.485	.052	.252	13.940	1.496
019	1355.10	1355.43	.33	9.65	.023	.509	.053	-	-	-
NA	1355.43	1355.95	.52	-	-	-	-	-	-	-
020	1355.95	1356.22	.27	9.92	.018	.527	.053	.591	14.531	1.465
021	1356.22	1356.61	.39	10.31	.025	.552	.054	.979	15.510	1.504
022	1356.61	1357.02	.41	10.72	.009	.562	.052	.002	15.512	1.447
023	1357.02	1357.33	.31	11.03	.011	.573	.052	.002	15.514	1.406
024	1357.33	1357.45	.12	11.15	.004	.577	.052	.004	15.517	1.392
SP3P	1357.45	1357.61	.16	11.31	.006	.583	.052	.032	15.549	1.375
025	1357.61	1357.82	.21	11.52	.012	.595	.052	.011	15.560	1.351
026	1357.82	1358.02	.20	11.72	.012	.607	.052	.020	15.580	1.329
027	1358.02	1358.19	.17	11.89	.010	.617	.052	.017	15.597	1.312
028	1358.19	1358.51	.32	12.21	.014	.631	.052	.019	15.616	1.279
029	1358.51	1359.04	.53	12.74	.027	.658	.052	.122	15.738	1.235
SP4P	1359.04	1359.24	.20	12.94	.009	.667	.052	.030	15.768	1.219
NA	1359.24	1359.30	.06	-	-	-	-	-	-	-
030	1359.30	1359.60	.30	13.24	.015	.682	.052	.072	15.840	1.196
031	1359.60	1360.65	1.05	14.29	.103	.785	.055	-	-	-
LC	1360.65	1361.00	.35	-	-	-	-	-	-	-

CORE NO. 2 1361.00 - 1377.60 (RECEIVED/CUT = 16.60/16.60m TOTAL BOXES = 15)

032	1361.00	1361.26	.26	14.55	.016	.801	.055	.473	16.313	1.121
-----	---------	---------	-----	-------	------	------	------	------	--------	-------

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 17
W/O No: RC3070
Date: 26-03-91

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.	
SP033	1361.26	1361.50	.24	14.79	.017	.818	.055	.029	16.342	1.105
034	1361.50	1361.68	.18	14.97	.011	.829	.055	.009	16.351	1.092
035	1361.68	1361.90	.22	15.19	.017	.845	.056	.037	16.388	1.079
036	1361.90	1362.14	.24	15.43	.015	.860	.056	.012	16.400	1.063
SP5P	1362.14	1362.30	.16	15.59	.013	.873	.056	.030	16.431	1.054
037	1362.30	1362.53	.23	15.82	.014	.888	.056	.023	16.454	1.040
038	1362.53	1362.73	.20	16.02	.007	.895	.056	.056	16.510	1.031
039	1362.73	1362.92	.19	16.21	.006	.901	.056	.059	16.569	1.022
040	1362.92	1363.11	.19	16.40	.002	.903	.055	.001	16.570	1.010
NA	1363.11	1363.65	.54	-	-	-	-	-	-	-
041	1363.65	1363.90	.25	16.65	.009	.912	.055	.032	16.602	.997
042	1363.90	1364.17	.27	16.92	.017	.930	.055	.043	16.645	.984
SP6P	1364.17	1364.56	.39	17.31	.033	.963	.056	.047	16.692	.964
043	1364.56	1364.80	.24	17.55	.020	.982	.056	.110	16.803	.957
044	1364.80	1365.08	.28	17.83	.024	1.007	.056	.106	16.909	.948
045	1365.08	1365.35	.27	18.10	.026	1.032	.057	.200	17.109	.945
046	1365.35	1365.66	.31	18.41	.014	1.046	.057	.002	17.110	.929
047	1365.66	1365.99	.33	18.74	.016	1.063	.057	.284	17.394	.928
048	1365.99	1366.22	.23	18.97	.016	1.079	.057	.057	17.452	.920
SP049	1366.22	1366.30	.08	19.05	.005	1.084	.057	.017	17.468	.917
050	1366.30	1366.53	.23	19.28	.014	1.098	.057	.044	17.512	.908
051	1366.53	1366.70	.17	19.45	.013	1.111	.057	.083	17.595	.905
052	1366.70	1366.85	.15	19.60	.005	1.116	.057	.063	17.659	.901
053	1366.85	1366.98	.13	19.73	.006	1.122	.057	.274	17.933	.909
054	1366.98	1367.22	.24	19.97	.011	1.133	.057	.156	18.089	.906

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 18
W/O No: RC3070
Date: 26-03-91

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.	
055	1367.22	1367.42	.20	20.17	.009	1.142	.057	.604	18.693	.927
056	1367.42	1367.62	.20	20.37	.013	1.155	.057	.038	18.731	.920
057	1367.62	1367.95	.33	20.70	.025	1.180	.057	1.175	19.906	.962
058	1367.95	1368.17	.22	20.92	.009	1.188	.057	-	-	-
059	1368.17	1368.83	.66	21.58	.046	1.234	.057	-	-	-
060	1368.83	1369.05	.22	21.80	.015	1.249	.057	.695	20.601	.945
061	1369.05	1369.34	.29	22.09	.012	1.261	.057	-	-	-
NA	1369.34	1377.60	8.26	-	-	-	-	-	-	-
CORE NO. 3 1397.00 - 1407.00 (RECEIVED/CUT = 10.00/10.00m TOTAL BOXES = 9)										
SP062	1397.00	1397.12	.12	22.21	.016	1.277	.057	1.957	22.558	1.016
NA	1397.12	1397.34	.22	-	-	-	-	-	-	-
SP063	1397.34	1397.62	.28	22.49	.017	1.294	.058	.059	22.617	1.006
NA	1397.62	1397.80	.18	-	-	-	-	-	-	-
SP001P	1397.80	1398.08	.28	22.77	.007	1.301	.057	.031	22.648	.995
NA	1398.08	1398.27	.19	-	-	-	-	-	-	-
064	1398.27	1398.48	.21	22.98	.016	1.317	.057	.116	22.763	.991
065	1398.48	1398.65	.17	23.15	.021	1.338	.058	2.321	25.084	1.084
066	1398.65	1398.89	.24	23.39	.018	1.356	.058	.377	25.461	1.089
NA	1398.89	1399.38	.49	-	-	-	-	-	-	-
067	1399.38	1399.84	.46	23.85	.033	1.389	.058	.198	25.659	1.076
NA	1399.84	1400.58	.74	-	-	-	-	-	-	-
068	1400.58	1400.94	.36	24.21	.018	1.407	.058	.328	25.987	1.073
SP002P	1400.94	1401.42	.48	24.69	.028	1.435	.058	.002	25.989	1.053

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 19
W/O No: RC3070
Date: 26-03-91

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.	
069	1401.42	1401.70	.28	24.97	.022	1.457	.058	.330	26.319	1.054
070	1401.70	1402.03	.33	25.30	.044	1.502	.059	11.388	37.707	1.490
071	1402.03	1402.28	.25	25.55	.038	1.540	.060	8.748	46.455	1.818
072	1402.28	1402.48	.20	25.75	.025	1.565	.061	3.009	49.464	1.921
SP073	1402.48	1402.62	.14	25.89	.013	1.578	.061	.685	50.149	1.937
074	1402.62	1402.96	.34	26.23	.022	1.601	.061	.231	50.380	1.921
NA	1402.96	1403.41	.45	-	-	-	-	-	-	-
SP003P	1403.41	1403.70	.29	26.52	.004	1.605	.061	.012	50.392	1.900
NA	1403.70	1405.25	1.55	-	-	-	-	-	-	-
SP004P	1405.25	1405.50	.25	26.77	.009	1.613	.060	.012	50.404	1.883
075	1405.50	1406.56	1.06	27.83	.032	1.645	.059	.223	50.627	1.819
SP076	1406.56	1407.00	.44	28.27	.023	1.669	.059	.044	50.671	1.792

CORE NO. 4 1407.00 - 1425.00 (RECEIVED/CUT = 18.00/18.00m TOTAL BOXES = 17)

077	1407.00	1407.67	.67	28.94	.027	1.695	.059	.040	50.711	1.752
NA	1407.67	1408.07	.40	-	-	-	-	-	-	-
SP005P	1408.07	1408.35	.28	29.22	.012	1.707	.058	.020	50.731	1.736
NA	1408.35	1408.76	.41	-	-	-	-	-	-	-
SP078	1408.76	1408.93	.17	29.39	.011	1.718	.058	.078	50.809	1.729
NA	1408.93	1409.20	.27	-	-	-	-	-	-	-
079	1409.20	1409.50	.30	29.69	.026	1.743	.059	.858	51.667	1.740
NA	1409.50	1409.58	.08	-	-	-	-	-	-	-
SP006P	1409.58	1409.70	.12	29.81	.008	1.751	.059	.064	51.731	1.735
080	1409.70	1409.93	.23	30.04	.014	1.765	.059	.559	52.290	1.741

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 20
W/O No: RC3070
Date: 26-03-91

CALCULATED DATA REPORT

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.	
081	1409.93	1410.15	.22	30.26	.016	1.781	.059	1.942	54.232	1.792
082	1410.15	1410.25	.10	30.36	.008	1.789	.059	.620	54.852	1.807
NA	1410.25	1410.70	.45	-	-	-	-	-	-	-
SP007P	1410.70	1410.96	.26	30.62	.034	1.823	.060	.164	55.016	1.797
083	1410.96	1411.13	.17	30.79	.027	1.850	.060	4.586	59.602	1.936
084	1411.13	1411.50	.37	31.16	.047	1.897	.061	.651	60.253	1.934
085	1411.50	1411.64	.14	31.30	.012	1.909	.061	2.250	62.503	1.997
NA	1411.64	1411.76	.12	-	-	-	-	-	-	-
086	1411.76	1412.11	.35	31.65	.022	1.932	.061	499.328	561.831	17.751
087	1412.11	1412.23	.12	31.77	.010	1.942	.061	.905	562.736	17.713
NA	1412.23	1412.30	.07	-	-	-	-	-	-	-
SP008P	1412.30	1412.55	.25	32.02	.055	1.997	.062	28.000	590.736	18.449
SP088	1412.55	1412.65	.10	32.12	.008	2.004	.062	2.919	593.655	18.482
089	1412.65	1412.80	.15	32.27	.021	2.025	.063	21.024	614.680	19.048
090	1412.80	1413.02	.22	32.49	.014	2.039	.063	4.633	619.312	19.061
SP091	1413.02	1413.11	.09	32.58	.015	2.054	.063	65.495	684.807	21.019
NA	1413.11	1413.22	.11	-	-	-	-	-	-	-
092	1413.22	1414.09	.87	33.45	.050	2.104	.063	10.170	694.977	20.776
093	1414.09	1414.28	.19	33.64	.008	2.112	.063	-	-	-
SP009P	1414.28	1414.55	.27	33.91	.005	2.118	.062	.011	694.988	20.495
094	1414.55	1414.76	.21	34.12	.019	2.137	.063	3.212	698.201	20.463
095	1414.76	1415.02	.26	34.38	.004	2.142	.062	.767	698.968	20.330
NA	1415.02	1415.58	.56	-	-	-	-	-	-	-
096	1415.58	1415.96	.38	34.76	.015	2.156	.062	1.194	700.161	20.142
097	1415.96	1416.24	.28	35.04	.017	2.173	.062	-	-	-

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 21
W/O No: RC3070
Date: 26-03-91

CALCULATED DATA REPORT

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.	
SP098	1416.24	1416.68	.44	35.48	.039	2.212	.062	1.091	701.252	19.764
SP010P	1416.68	1416.90	.22	35.70	.008	2.220	.062	1.730	702.982	19.691
SP011P	1416.90	1417.04	.14	35.84	.011	2.230	.062	.115	703.097	19.617
099	1417.04	1417.28	.24	36.08	.022	2.252	.062	5.524	708.621	19.640
100	1417.28	1417.66	.38	36.46	.042	2.294	.063	5.398	714.019	19.583
101	1417.66	1417.96	.30	36.76	.018	2.312	.063	27.472	741.492	20.171
102	1417.96	1418.23	.27	37.03	.018	2.331	.063	7.905	749.397	20.237
103	1418.23	1418.41	.18	37.21	.007	2.337	.063	10.863	760.260	20.431
SP012P	1418.41	1418.51	.10	37.31	.015	2.352	.063	5.509	765.768	20.524
104	1418.51	1419.03	.52	37.83	.035	2.387	.063	14.368	780.136	20.622
SP105	1419.03	1419.11	.08	37.91	.004	2.391	.063	.010	780.146	20.579
106	1419.11	1419.38	.27	38.18	.019	2.410	.063	.275	780.421	20.440
107	1419.38	1419.59	.21	38.39	.013	2.423	.063	-	-	-
SP108	1419.59	1419.74	.15	38.54	.015	2.438	.063	.251	780.672	20.256
SP013P	1419.74	1419.87	.13	38.67	.009	2.447	.063	.025	780.697	20.188
109	1419.87	1420.27	.40	39.07	.055	2.502	.064	2.095	782.792	20.035
110	1420.27	1420.45	.18	39.25	.011	2.513	.064	.420	783.212	19.954
NA	1420.45	1420.53	.08	-	-	-	-	-	-	-
111	1420.53	1420.84	.31	39.56	.004	2.517	.064	-	-	-
NA	1420.84	1424.80	3.96	-	-	-	-	-	-	-
SP014P	1424.80	1425.00	.20	39.76	.003	2.521	.063	.001	783.213	19.698

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 1 & 2

AGAT LABORATORIES

Page: 22
W/O No: RC3070A
Date: 26-03-91

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY POROSITY RANGES

Porosity Range	Samples		Metres		Wt. Avg.	Wt. Avg. Kmax		Frequency %	
	In Rng	Cuml.	In Rng	Cuml.	Porosity (Arith)	Arith	Geom	In Rng	Cuml.
0.000-0.0199	2	2	1.49	1.49	.013	.009	.009	7.63	7.63
0.020-0.0399	9	11	2.80	4.29	.032	.348	.091	14.33	21.96
0.040-0.0599	18	29	5.46	9.75	.048	.668	.207	27.94	49.90
0.060-0.0799	24	53	7.50	17.25	.066	.647	.206	38.38	88.28
0.080-0.0999	9	62	2.29	19.54	.088	4.850	1.076	11.72	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 3

AGAT LABORATORIES

Page: 23
W/O No: RC3070B
Date: 26-03-91

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	1	1	.29	.29	.014	.040	.040	5.09	5.09
0.020-0.0399	3	4	1.59	1.88	.030	.167	.150	27.89	32.98
0.040-0.0599	2	6	.80	2.68	.052	.465	.270	14.04	47.02
0.060-0.0799	5	11	1.53	4.21	.069	.641	.529	26.84	73.86
0.080-0.0999	2	13	.42	4.63	.084	2.417	1.896	7.37	81.23
0.100-0.1199	0	13	.00	4.63	.000	.000	.000	.00	81.23
0.120-0.1399	4	17	.82	5.45	.129	22.769	20.834	14.39	95.62
0.140-0.1599	1	18	.25	5.70	.154	35.010	35.010	4.38	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 4

AGAT LABORATORIES

Page: 24
W/O No: RC3070C
Date: 26-03-91

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	2	2	.46	.46	.017	1.668	.184	4.38	4.38
0.020-0.0399	4	6	1.05	1.51	.033	13.135	2.057	10.00	14.38
0.040-0.0599	6	12	2.31	3.82	.051	4.856	.877	22.00	36.39
0.060-0.0799	12	24	2.81	6.63	.067	198.981	14.817	26.76	63.15
0.080-0.0999	7	31	1.55	8.18	.088	9.330	6.305	14.76	77.91
0.100-0.1199	2	33	.53	8.71	.107	10.654	7.749	5.05	82.95
0.120-0.1399	4	37	1.18	9.89	.133	20.283	3.543	11.24	94.19
0.140-0.1599	1	38	.10	9.99	.149	55.100	55.100	.95	95.14
0.160-0.1799	2	40	.26	10.25	.163	269.660	84.440	2.48	97.62
0.180-0.1999	0	40	.00	10.25	.000	.000	.000	.00	97.62
0.200-0.2199	1	41	.25	10.50	.218	112.000	112.000	2.38	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 25
W/O No: RC3070A
Date: 26-03-91

CORE 1 & 2

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	4	4	1.22	1.22	.030	.001	.005	6.24	6.24
0.010-0.019	1	5	1.30	2.52	.013	.010	.010	6.65	12.90
0.020-0.039	1	6	.12	2.64	.035	.030	.030	.61	13.51
0.040-0.079	9	15	3.03	5.67	.061	.053	.053	15.51	29.02
0.080-0.159	14	29	5.28	10.95	.055	.118	.116	27.02	56.04
0.160-0.319	12	41	2.77	13.72	.057	.219	.216	14.18	70.21
0.320-0.639	4	45	.84	14.56	.073	.432	.430	4.30	74.51
0.640-1.249	5	50	1.35	15.91	.068	.807	.801	6.91	81.42
1.250-2.499	4	54	1.00	16.91	.050	1.975	1.968	5.12	86.54
2.500-4.999	6	60	2.11	19.02	.059	2.963	2.915	10.80	97.34
5.000-9.999	0	60	.00	19.02	.000	.000	.000	.00	97.34
10.000-19.999	1	61	.21	19.23	.099	13.760	13.760	1.08	98.41
20.000-39.999	1	62	.31	19.54	.086	21.340	21.340	1.59	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 26
W/O No: RC3070B
Date: 26-03-91

CORE 3

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	0	0	.00	.00	.000	.000	.000	.00	.00
0.040-0.079	2	2	.54	.54	.023	.045	.044	9.47	9.47
0.080-0.159	2	4	.72	1.26	.043	.104	.104	12.63	22.10
0.160-0.319	2	6	1.34	2.60	.037	.210	.210	23.51	45.61
0.320-0.639	2	8	.67	3.27	.073	.468	.464	11.76	57.37
0.640-1.249	3	11	.98	4.25	.064	.907	.886	17.19	74.56
1.250-2.499	1	12	.24	4.49	.074	1.570	1.570	4.21	78.77
2.500-4.999	1	13	.14	4.63	.093	4.890	4.890	2.46	81.23
5.000-9.999	0	13	.00	4.63	.000	.000	.000	.00	81.23
10.000-19.999	3	16	.49	5.12	.126	14.869	14.834	8.60	89.83
20.000-39.999	2	18	.58	5.70	.143	34.720	34.719	10.17	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 4

AGAT LABORATORIES

Page: 27
W/O No: RC3070C
Date: 26-03-91

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	1	1	.20	.20	.017	.001	.005	1.90	1.90
0.010-0.019	0	1	.00	.20	.000	.000	.000	.00	1.90
0.020-0.039	0	1	.00	.20	.000	.000	.000	.00	1.90
0.040-0.079	3	4	1.22	1.42	.036	.058	.057	11.62	13.52
0.080-0.159	1	5	.08	1.50	.049	.120	.120	.76	14.29
0.160-0.319	1	6	.13	1.63	.067	.190	.190	1.24	15.52
0.320-0.639	3	9	.55	2.18	.094	.556	.550	5.24	20.76
0.640-1.249	2	11	.41	2.59	.072	.952	.947	3.90	24.67
1.250-2.499	5	16	1.37	3.96	.091	2.169	2.140	13.05	37.72
2.500-4.999	3	19	.94	4.90	.048	2.998	2.996	8.95	46.67
5.000-9.999	5	24	1.06	5.96	.092	6.880	6.725	10.09	56.77
10.000-19.999	4	28	1.60	7.56	.077	13.143	13.041	15.24	72.00
20.000-39.999	6	34	1.52	9.08	.082	26.279	26.108	14.47	86.48
40.000-79.999	2	36	.28	9.36	.077	58.463	58.408	2.67	89.14
80.000-159.999	3	39	.70	10.06	.133	109.270	107.788	6.67	95.81
160.000-319.999	0	39	.00	10.06	.000	.000	.000	.00	95.81
320.000-639.999	0	39	.00	10.06	.000	.000	.000	.00	95.81
640.000-1279.999	1	40	.09	10.15	.166	728.000	728.000	.86	96.67
1280.000-2559.999	1	41	.35	10.50	.064	1426.750	1426.750	3.33	100.00

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 1 & 2

AGAT LABORATORIES

Page: 28
W/O No: RC3070A
Date: 26-03-91

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	22.09	.000	.00	1.261	100.00	.057	.062
0.020	1.49	20.60	.019	1.51	1.242	98.49	.060	.064
0.040	4.67	17.42	.123	9.78	1.138	90.22	.065	.067
0.060	10.86	11.23	.427	33.87	.834	66.13	.074	
0.080	18.91	3.18	.970	76.93	.291	23.07	.091	
0.100	22.09	.00	1.261	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = 1.261

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 29
W/O No: RC3070B
Date: 26-03-91

CORE 3

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	6.18	.000	.00	.407	100.00	.066	.059
0.020	.29	5.89	.004	1.00	.403	99.00	.068	.061
0.040	1.88	4.30	.052	12.67	.356	87.33	.083	.071
0.060	3.16	3.02	.121	29.74	.286	70.26	.095	
0.080	4.97	1.21	.250	61.31	.158	38.69	.130	
0.100	5.11	1.07	.263	64.50	.145	35.50	.135	
0.120	5.11	1.07	.263	64.50	.145	35.50	.135	
0.140	5.93	.25	.369	90.56	.038	9.44	.154	
0.160	6.18	.00	.407	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = .407

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 30
W/O No: RC3070C
Date: 26-03-91

CORE 4

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	11.49	.000	.00	.852	100.00	.074	.069
0.020	1.04	10.45	.018	2.06	.834	97.94	.080	.071
0.040	2.49	9.00	.074	8.63	.778	91.37	.086	.074
0.060	4.90	6.59	.207	24.28	.645	75.72	.098	.084
0.080	7.62	3.87	.390	45.82	.462	54.18	.119	.114
0.100	9.17	2.32	.527	61.84	.325	38.16	.140	.131
0.120	9.70	1.79	.584	68.53	.268	31.47	.150	
0.140	10.88	.61	.740	86.89	.112	13.11	.183	
0.160	10.98	.51	.755	88.64	.097	11.36	.190	
0.180	11.24	.25	.797	93.60	.054	6.40	.218	
0.200	11.24	.25	.797	93.60	.054	6.40	.218	
0.220	11.49	.00	.852	100.00	.000	.00	.000	

Total Storage Capacity in Porosity-Metres = .852

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 31
W/O No: RC3070A
Date: 26-03-91

CORE 1 & 2

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	19.54	.000	.00	20.596	100.00	.176	.136
0.010	2.52	17.02	.014	.07	20.582	99.93	.223	.148
0.020	2.52	17.02	.014	.07	20.582	99.93	.282	.163
0.040	2.87	16.67	.027	.13	20.569	99.87	.287	.166
0.080	5.67	13.87	.178	.87	20.418	99.13	.415	.242
0.160	11.22	8.32	.846	4.11	19.750	95.89	.909	.899
0.320	13.72	5.82	1.410	6.85	19.186	93.15	1.802	2.059
0.640	14.56	4.98	1.773	8.61	18.823	91.39	2.294	2.618
1.250	15.91	3.63	2.862	13.90	17.734	86.10	3.392	3.267
2.500	16.91	2.63	4.837	23.48	15.760	76.52	4.172	
5.000	19.02	.52	11.089	53.84	9.507	46.16	17.874	
10.000	19.02	.52	11.089	53.84	9.507	46.16	17.874	
20.000	19.23	.31	13.979	67.87	6.617	32.13	21.341	
40.000	19.54	.00	20.596	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 20.596

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 32
W/O No: RC3070B
Date: 26-03-91

CORE 3

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	5.70	.000	.00	30.068	100.00	.665	.414
0.010	.00	5.70	.000	.00	30.068	100.00	.665	.414
0.020	.00	5.70	.000	.00	30.068	100.00	.665	.414
0.040	.29	5.41	.012	.04	30.056	99.96	.665	.414
0.080	.54	5.16	.024	.08	30.044	99.92	.882	.547
0.160	1.26	4.44	.099	.33	29.969	99.67	1.249	.739
0.320	2.60	3.10	.380	1.26	29.687	98.74	2.698	1.167
0.640	3.27	2.43	.694	2.31	29.374	97.69	4.382	2.463
1.250	4.25	1.45	1.583	5.26	28.485	94.74	12.912	16.289
2.500	4.49	1.21	1.960	6.52	28.108	93.48	19.611	19.302
5.000	4.63	1.07	2.644	8.79	27.423	91.21	23.519	21.103
10.000	4.63	1.07	2.644	8.79	27.423	91.21	23.519	21.103
20.000	5.12	.58	9.932	33.03	20.136	66.97	34.719	
40.000	5.70	.00	30.058	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 30.068

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 33
W/O No: RC3070C
Date: 26-03-91

CORE 4

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	10.50	.000	.00	732.541	100.00	4.341	6.284
0.010	.20	10.30	.000	.00	732.541	100.00	4.950	6.708
0.020	.20	10.30	.000	.00	732.541	100.00	4.950	6.708
0.040	.47	10.03	.011	.00	732.530	100.00	4.950	6.708
0.080	1.42	9.08	.071	.01	732.470	99.99	9.023	9.997
0.160	1.50	9.00	.080	.01	732.461	99.99	9.376	10.173
0.320	1.63	8.87	.105	.01	732.436	99.99	9.927	10.464
0.640	2.18	8.32	.411	.06	732.130	99.94	12.020	11.788
1.250	2.59	7.91	.801	.11	731.740	99.89	13.712	12.882
2.500	3.96	6.54	3.773	.52	728.768	99.48	20.236	17.333
5.000	4.90	5.60	6.592	.90	725.949	99.10	27.888	21.317
10.000	5.96	4.54	13.884	1.90	718.657	98.10	38.873	27.146
20.000	7.56	2.94	34.914	4.77	697.627	95.23	70.441	
40.000	9.08	1.42	74.850	10.22	657.691	89.78	203.761	
80.000	9.36	1.14	91.221	12.45	641.320	87.55	276.960	
160.000	10.06	.44	167.718	22.90	564.823	77.10	1243.366	
320.000	10.06	.44	167.718	22.90	564.823	77.10	1243.366	
640.000	10.06	.44	167.718	22.90	564.823	77.10	1243.366	
1280.000	10.15	.35	233.213	31.84	499.328	68.16	1426.794	
2560.000	10.50	.00	732.541	100.00	.000	.00	.000	

Total Flow Capacity in Millidarcy-Metres (Arithmetic) = 732.541

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 1 & 2

AGAT LABORATORIES

Page: 34
W/O No: RC3070A
Date: 26-03-91

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)	18.32	.00	.52	3.11	1.35	8.43	4.91	.00
Fraction of analyzed core		.000	.028	.170	.074	.460	.268	.00
Porosity thickness (por-m)	1.031	.000	.047	.176	.092	.482	.235	.00
Permeability thickness (mD-m)	20.59	.00	9.51	8.23	1.09	1.55	.22	-
Wt. average Porosity	.056	.000	.091	.057	.068	.057	.048	.00
Wt. average Permeability	1.12	.00	18.28	2.65	.81	.18	.04	-
Wt. average Residual Oil	.332	.000	.300	.299	.277	.291	.443	.00
Wt. average Residual Water	.103	.000	.116	.068	.048	.089	.163	.00
Wt. average (geom.) Kmax., mD for All Samples =			.22					
Wt. average (harm.) Kmax., mD for All Samples =			.07					

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
CORE 3

AGAT LABORATORIES

Page: . 35
W/O No: RC3070B
Date: 26-03-91

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)	5.70	.00	1.07	.66	.91	2.52	.54	.00
Fraction of analyzed core		.000	.188	.116	.160	.442	.095	.00
Porosity thickness (por-m)	.380	.000	.145	.053	.056	.113	.013	.00
Permeability thickness (mD-m)	30.07	.00	27.42	1.39	.67	.55	.02	-
Wt. average Porosity	.067	.000	.135	.081	.062	.045	.023	.00
Wt. average Permeability	5.27	.00	25.63	2.11	.74	.22	.04	-
Wt. average Residual Oil	.100	.000	.082	.038	.054	.162	.000	.00
Wt. average Residual Water	.143	.000	.072	.069	.177	.173	.175	.00
Wt. average (geom.) Kmax., mD for All Samples =			.66					
Wt. average (harm.) Kmax., mD for All Samples =			.20					

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W

AGAT LABORATORIES

Page: 36
W/O No: RC3070C
Date: 26-03-91

CORE 4

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)	10.30	.84	3.70	3.64	.52	.38	1.22	.00
Fraction of analyzed core		.082	.359	.353	.050	.037	.118	.00
Porosity thickness (por-m)	.806	.113	.288	.287	.052	.023	.044	.00
Permeability thickness (mD-m)	732.54	613.85	104.81	13.36	.34	.11	.07	-
Wt. average Porosity	.078	.134	.078	.079	.100	.061	.036	.00
Wt. average Permeability	71.12	730.80	28.33	3.67	.66	.30	.06	-
Wt. average Residual Oil	.206	.287	.255	.155	.339	.235	.084	.00
Wt. average Residual Water	.155	.129	.105	.148	.139	.166	.346	.00
Wt. average (geom.) Kmax., mD for All Samples =			4.95					
Wt. average (harm.) Kmax., mD for All Samples =			.40					

COMPANY: PARAMOUNT RESOURCES

FIGURE: 1

LOCATION: 60-10N-117-15W

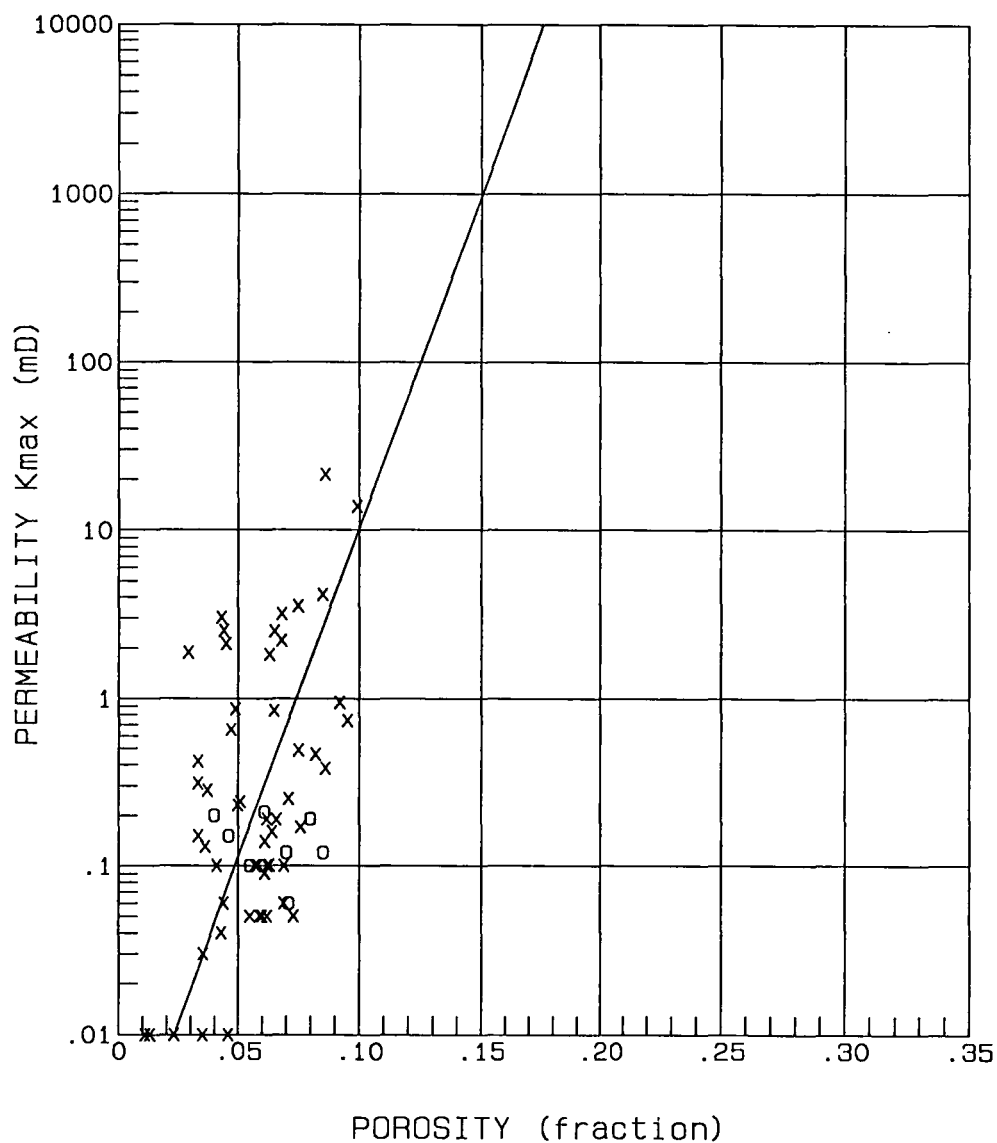
W/O NO: RC3070

INTERVAL: 1343.00-1377.60

DATE: 26-03-91

FORMATION: SLAVE POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION



x - FULL DIAMETER

o - SMALL PLUG

NOTE: Samples are not weighted

Equation: $\text{Log (Kmax)} = -2.90 + 39.17 * \text{Porosity}$

Correlation Coefficient: $r = .458$

COMPANY: PARAMOUNT RESOURCES

FIGURE: 2

LOCATION: 60-10N-117-15W

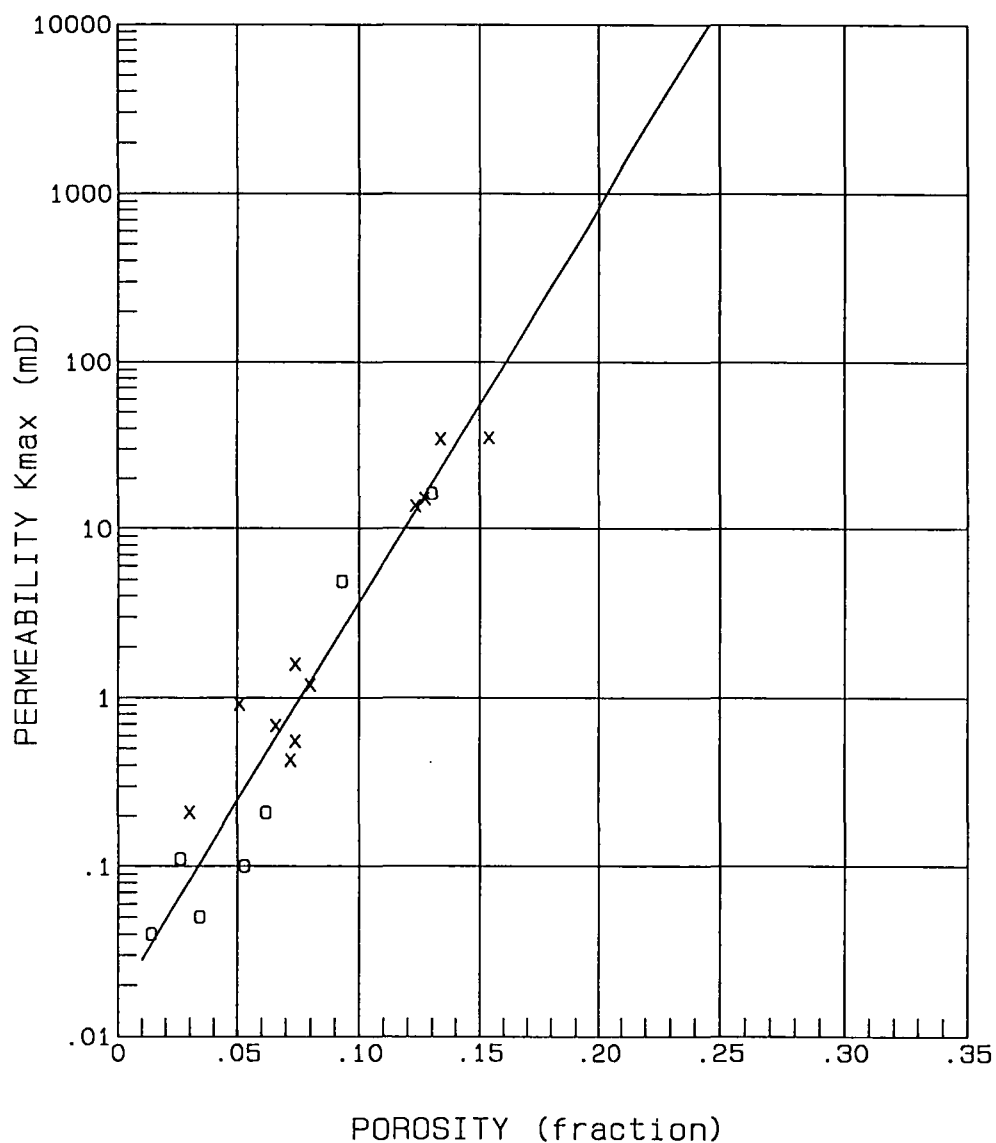
W/O NO: RC3070

INTERVAL: 1397.00-1407.00

DATE: 26-03-91

FORMATION: SULPHUR POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION



x - FULL DIAMETER

o - SMALL PLUG

NOTE: Samples are not weighted

Equation: $\text{Log (Kmax)} = -1.78 + 23.51 * \text{Porosity}$

Correlation Coefficient: $r = .959$

COMPANY: PARAMOUNT RESOURCES

FIGURE: 3

LOCATION: 60-10N-117-15W

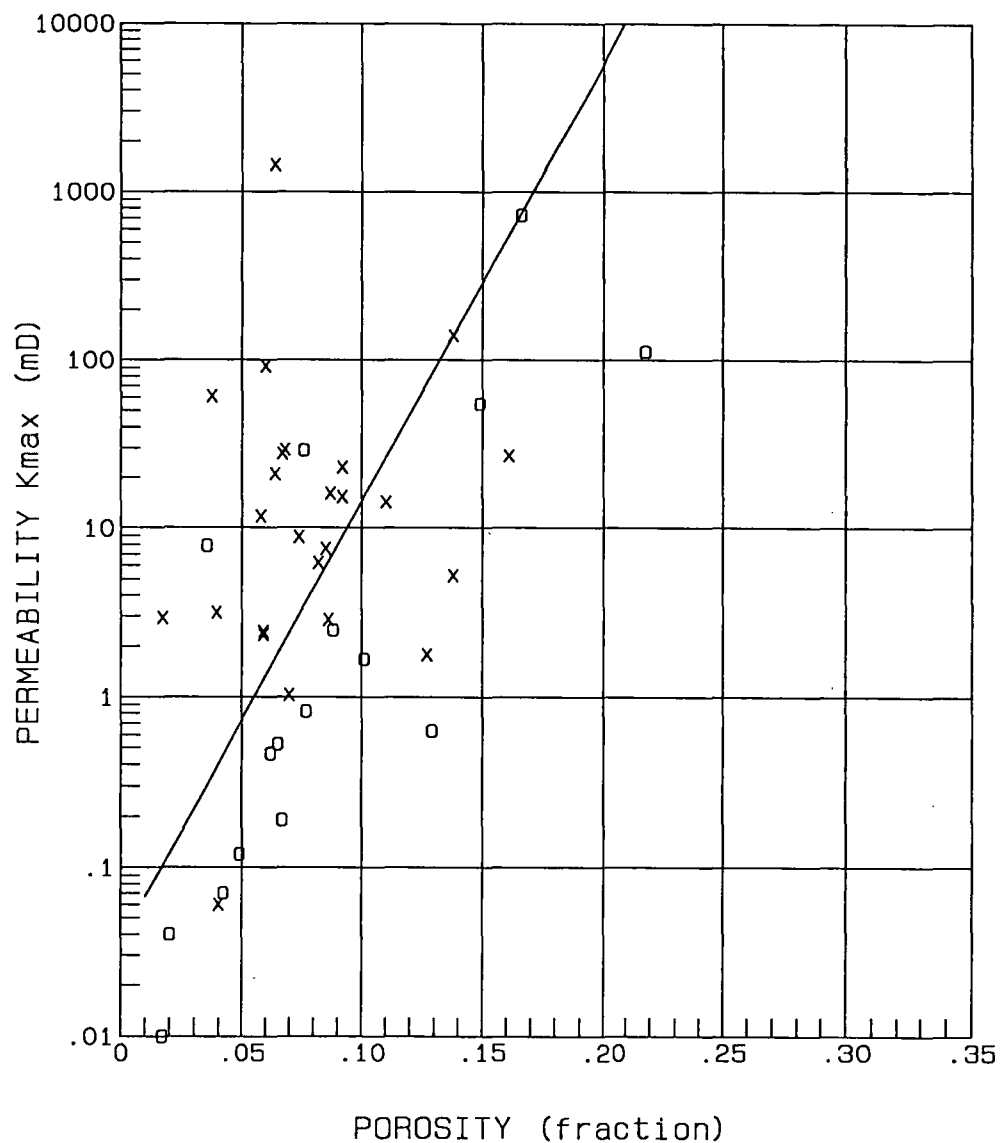
W/O NO: RC3070

INTERVAL: 1407.00-1425.00

DATE: 26-03-91

FORMATION: SULPHUR POINT

POROSITY - PERMEABILITY (Kmax) CORRELATION



COMPANY: PARAMOUNT RESOURCES

FIGURE: 4

LOCATION: 60-10N-117-15W

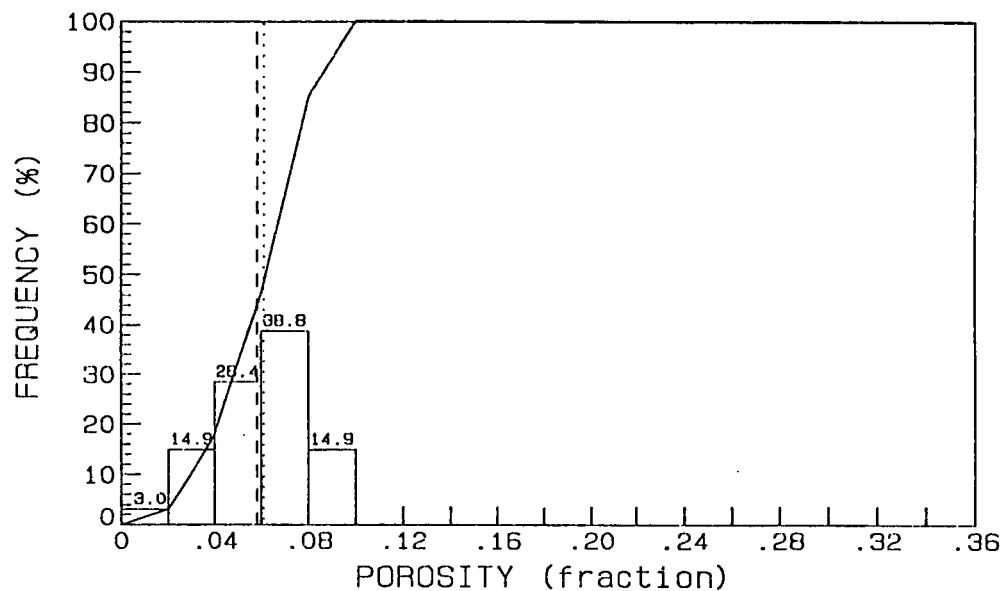
W/O NO: RC3070A

INTERVAL: 1343.00 - 1377.60m

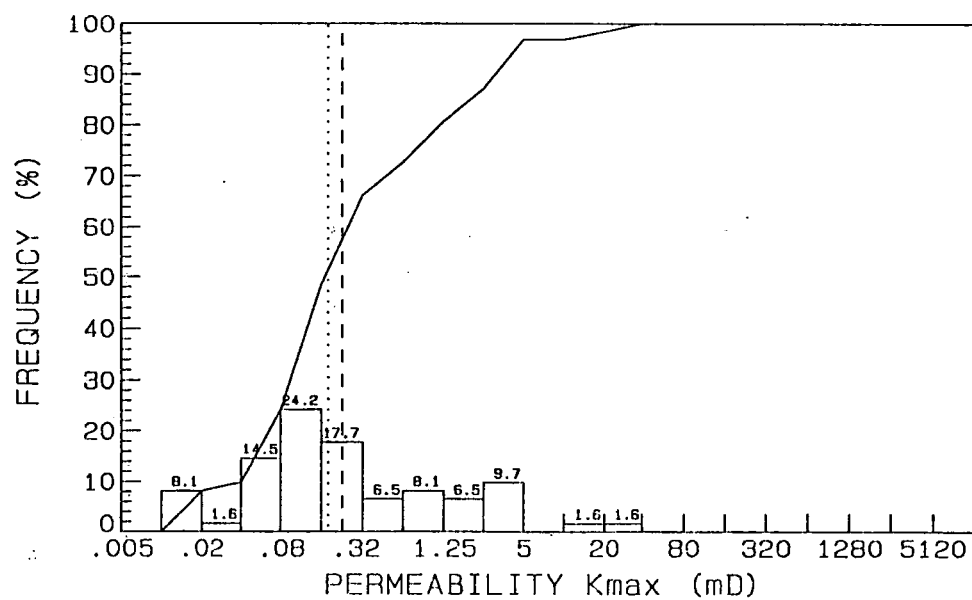
DATE: 26-03-91

FORMATION: SLAVE POINT

POROSITY FREQUENCY DISTRIBUTION



PERMEABILITY Kmax FREQUENCY DISTRIBUTION



Arith. Mean Porosity	----- POROSITY	Arith. Mean: .058
Geom. Mean Permeability	-----	Median: .061
Cumulative Frequency %	----- PERMEABILITY	Geom. Mean: .23
Median		Median: .18

COMPANY: PARAMOUNT RESOURCES

FIGURE: 5

LOCATION: 60-10N-117-15W

W/O NO: RC3070B

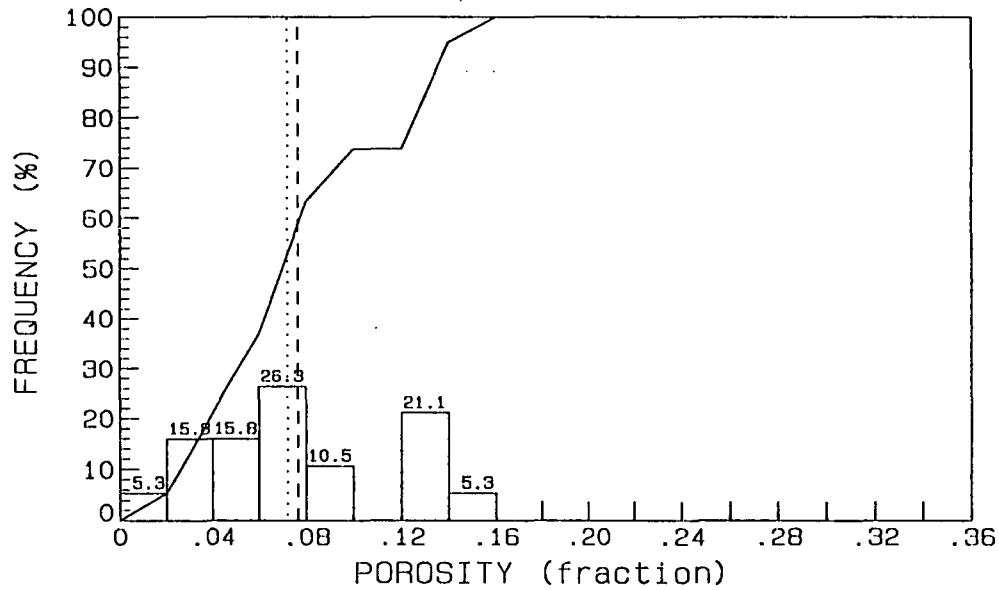
INTERVAL: 1397.00 - 1407m

DATE: 26-03-91

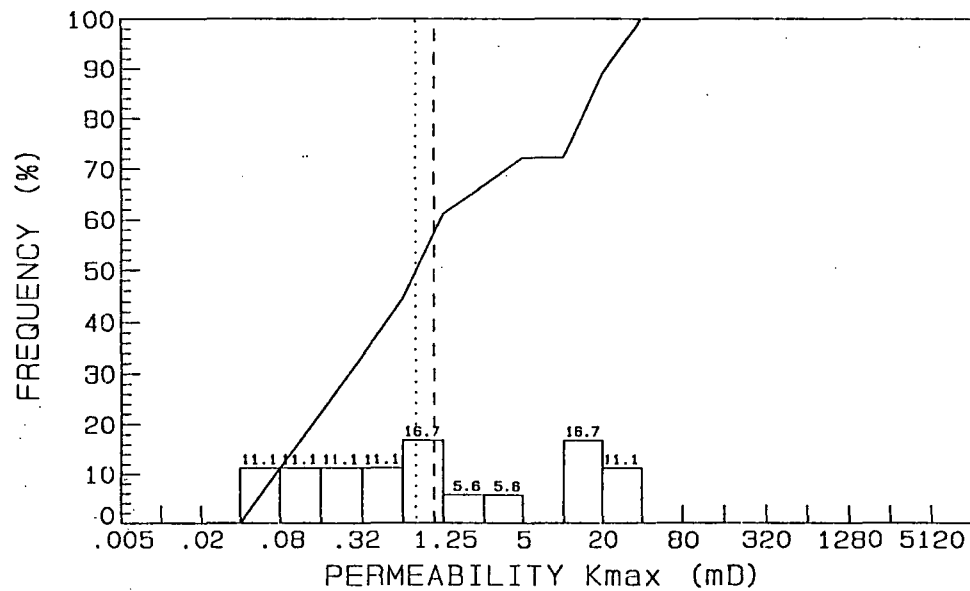
FORMATION: SULPHUR POINT

LS

POROSITY FREQUENCY DISTRIBUTION



PERMEABILITY Kmax FREQUENCY DISTRIBUTION



Arith. Mean Porosity	----- POROSITY	- Arith. Mean:	.077
Geom. Mean Permeability	-----	Median:	.072
Cumulative Frequency %	----- PERMEABILITY	- Geom. Mean:	1.10
Median		Median:	.80

COMPANY: PARAMOUNT RESOURCES

FIGURE: 6

LOCATION: 60-10N-117-15W

W/O NO: RC3070C

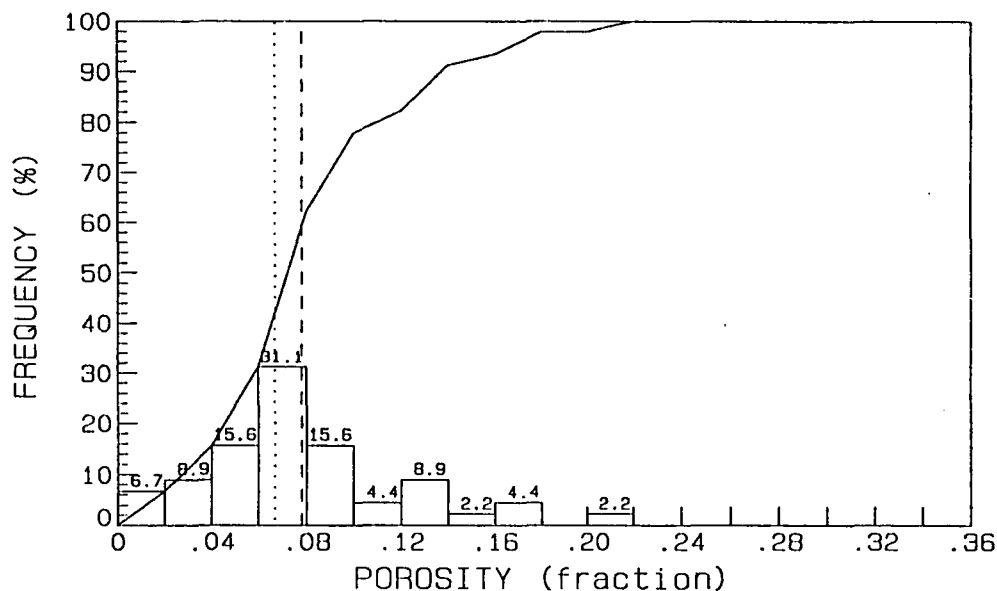
INTERVAL: 1407.00 - 1425.00m

DATE: 26-03-91

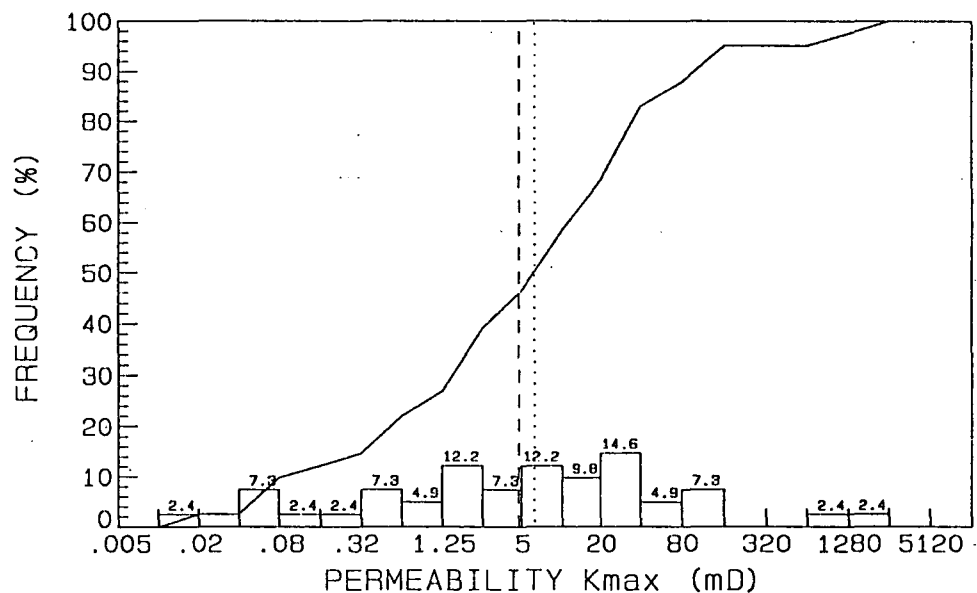
FORMATION: SULPHUR POINT

DOLOMITE

POROSITY FREQUENCY DISTRIBUTION



PERMEABILITY Kmax FREQUENCY DISTRIBUTION



Arith. Mean Porosity	----- POROSITY	- Arith. Mean: .078
Geom. Mean Permeability	-----	Median: .067
Cumulative Frequency %	----- PERMEABILITY	- Geom. Mean: 4.75
Median		Median: 6.20

COMPANY: PARAMOUNT RESOURCES

FIGURE: 7

LOCATION: 60-10N-117-15W

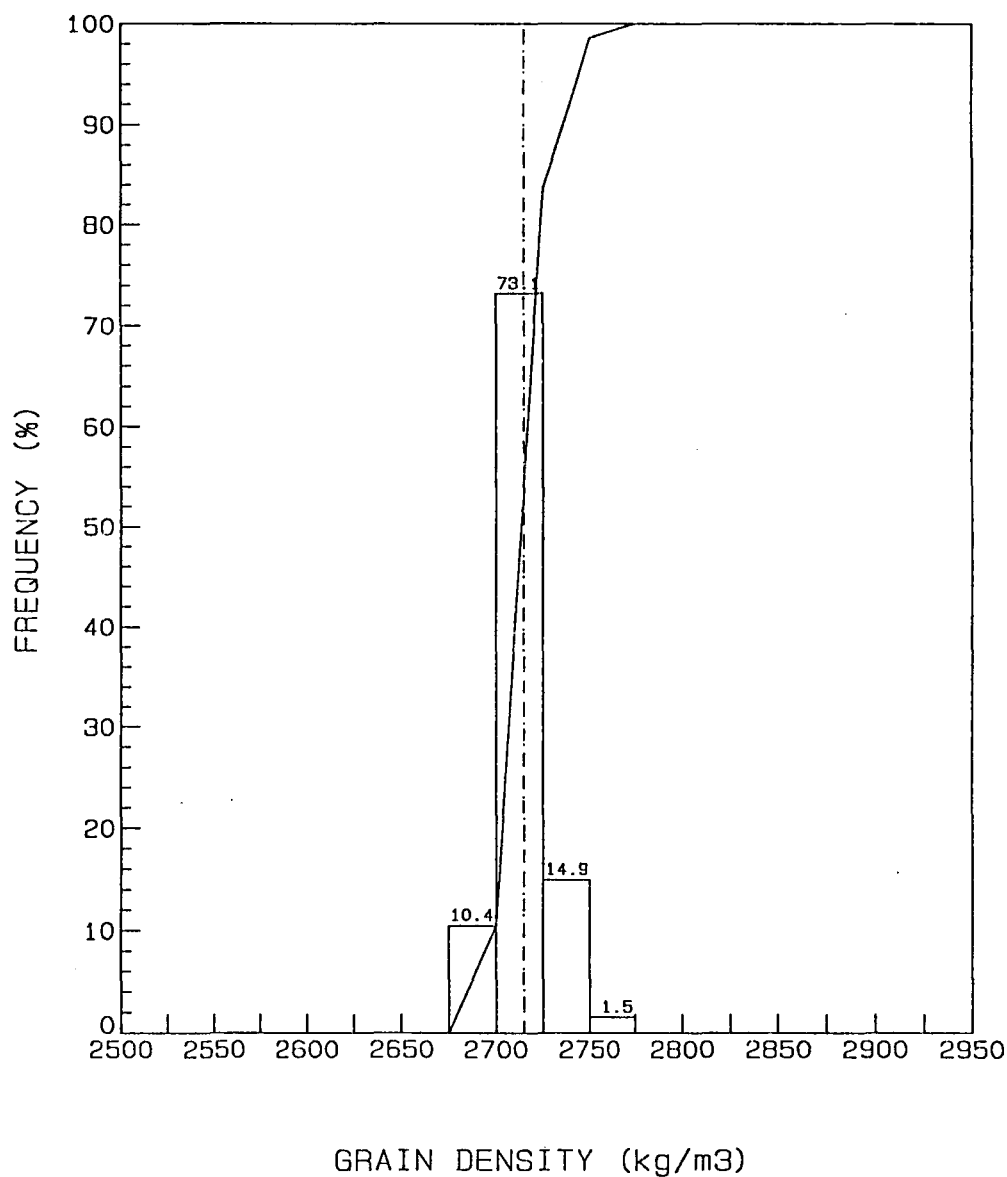
W/O NO: RC3070A

INTERVAL: 1343.00 - 1377.60m

DATE: 26-03-91

FORMATION: SLAVE POINT

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean

Wt. Avg. Arith. Mean: 2714

Median

.....

Grain Density Median: 2715

Cumulative Frequency %

—————

COMPANY: PARAMOUNT RESOURCES

FIGURE: 8

LOCATION: 60-10N-117-15W

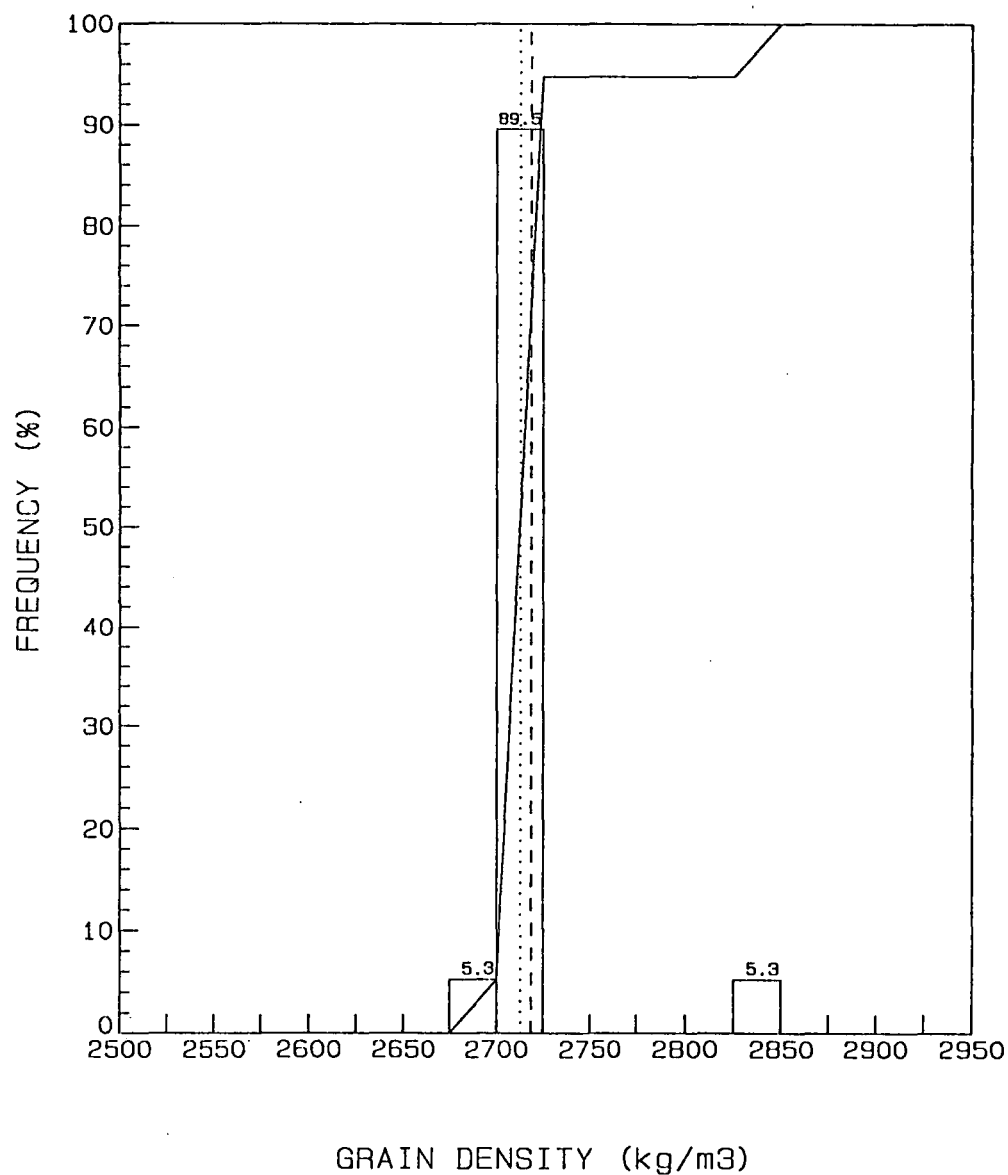
W/O NO: RC3070B

INTERVAL: 1397.00 - 1407m

DATE: 26-03-91

FORMATION: SULPHUR POINT

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean

Wt. Avg. Arith. Mean: 2718

Median

.....

Grain Density Median: 2713

Cumulative Frequency %

————

COMPANY: PARAMOUNT RESOURCES

FIGURE: 9

LOCATION: 60-10N-117-15W

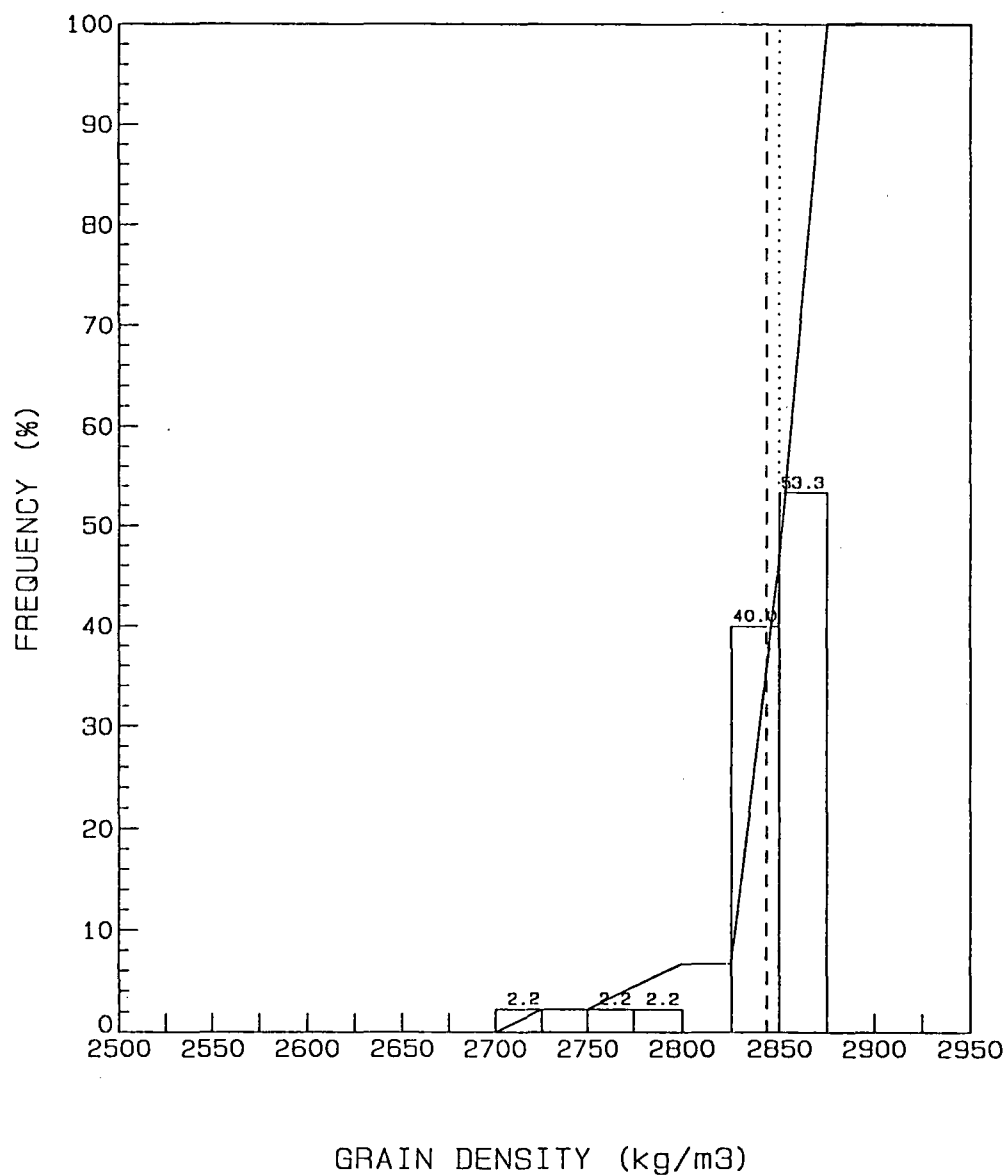
W/O NO: RC3070C

INTERVAL: 1407.00 - 1425.00m

DATE: 26-03-91

FORMATION: SULPHUR POINT

GRAIN DENSITY FREQUENCY DISTRIBUTION



Arithmetic Mean

Wt. Avg. Arith. Mean: 2843

Median

.....

Grain Density Median: 2850

Cumulative Frequency %

————

SAMPLE HANDLING

AGAT LABORATORIES CORE SERVICES

SAMPLE HANDLING AND ANALYSIS INFORMATION

Company: PARAMOUNT RESOURCES LTD.
Well: PARA et al CAMERON M-73
Location: 60-10N-117-15W
Field:

Coring Equipment: Diamond
Coring Fluid: Water Base Mud
Core Diameter: 0.10 m
Total Cored: 62.60 m
Total Recovered: 62.60 m

Job Number: RC3070/76
Date: Apr. 05, 1991

HANDLING

Core Transported in: Boxes
Cutting Solution: Water
Cleaning solvent: Toluene
Extraction: CO2-Toluene
Cleaning time: 720 Hours
Drying Equipment: Convectional 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 0.10 m full diameter samples
Permeability measured on 38.1 mm diameter drilled plugs
Full diameter core sandblasted before Kh measurements

REMARKS

12 Sets of Colour and U.V. Photographs.

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
apha	Aphanitic	cmt	Cement (ed)	fos	Fossil (iferous)
		col	Color (ed)	fr	Fair
bcm	Become (ing)	com	Common	frac	Fracture (ed)
bd	Bed	coq	Coquina	frag	Fragment (al)
bdd	Bedded	Cor	Coral	fri	Friable
bdg	Bedding	crbnt	Carbonate	frmwk	Framework
Belm	Belemnites	Crin	Crinoid (al)	fros	Frosted
bent	Bentonite (ic)	crm	Cream		
bf	Buff	crpxl	Cryptocrystalline	g	Good
biocl	Bioclastic	ctc	Contact	Gast	Gastropod
bioturb	Bioturbated			gl	Glass (y)
bit	Bitumen (inous)	deb	Debris	glau	Glaucinite (ic)
bl	Blue (ish)	decr	Decrease (ing)	gn	Green
blk	Black	desi	Desiccation	gr	Grain (ed)
blkx	Blocky	dism	Disseminated	gran	Granular
bnd	Band (ed)	dk	Dark (er)	grd	Grade (ed)
Brac	Brachiopod	dns	Dense (er)	grnl	Granule (2-4 mm)
brec	Breccia (ted)	dol	Dolomite (ic)	gy	Grey
bri	Bright	drsy	Druse (y)	gyp	Gypsum (iferous)
brit	Brittle	dtrl	Detrital (us)		
brn	Brown			hd	Hard
Bry	Bryozoa	elg	Elongate	hfrac	Horizontal Fracture
bulb	Bulbous	euhed	Euhedral		
bur	Burrowed				

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	Nodule	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	rex1	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)	trns1	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		
s1t	Silt	vgt	Varigated		
s1tst	Siltstone	vn	Vein		
s1ty	Silty	vr1l	Vertical		
sm	Smooth	vug	Vug (gy) (ular)		
SP	Small Plug (as prefix)	/	With		
sp	Spot (ted) (ty)	w	Well		
spec	Speck (led)	wh	White		
spl	Sample	wk	Weak		
srt	Sort (ed) (ing)	wthrd	Weathered		
strg	Stringer	wtr	Water		
Strom	Stromatoporoid	wvy	Wavy		
stromlt	Stromatolite	wxy	Waxy		
struc	Structure	wsrt	Well sorted		
styl	Stylolite (ic)				
suc	Sucrosic	xbd	Cross-bedded		
sug	Sugary	xbdg	Cross-bedding		
sup	Supported	xl	Crystal (line)		
surf	Surface	xlam	Cross-laminated		
sz	Size				
tab	Tabular	yel	Yellow		
tex	Texture				
Tham	Thamnopora	zn	Zone		
thk	Thick				
thn	Thin				

CORE LOG

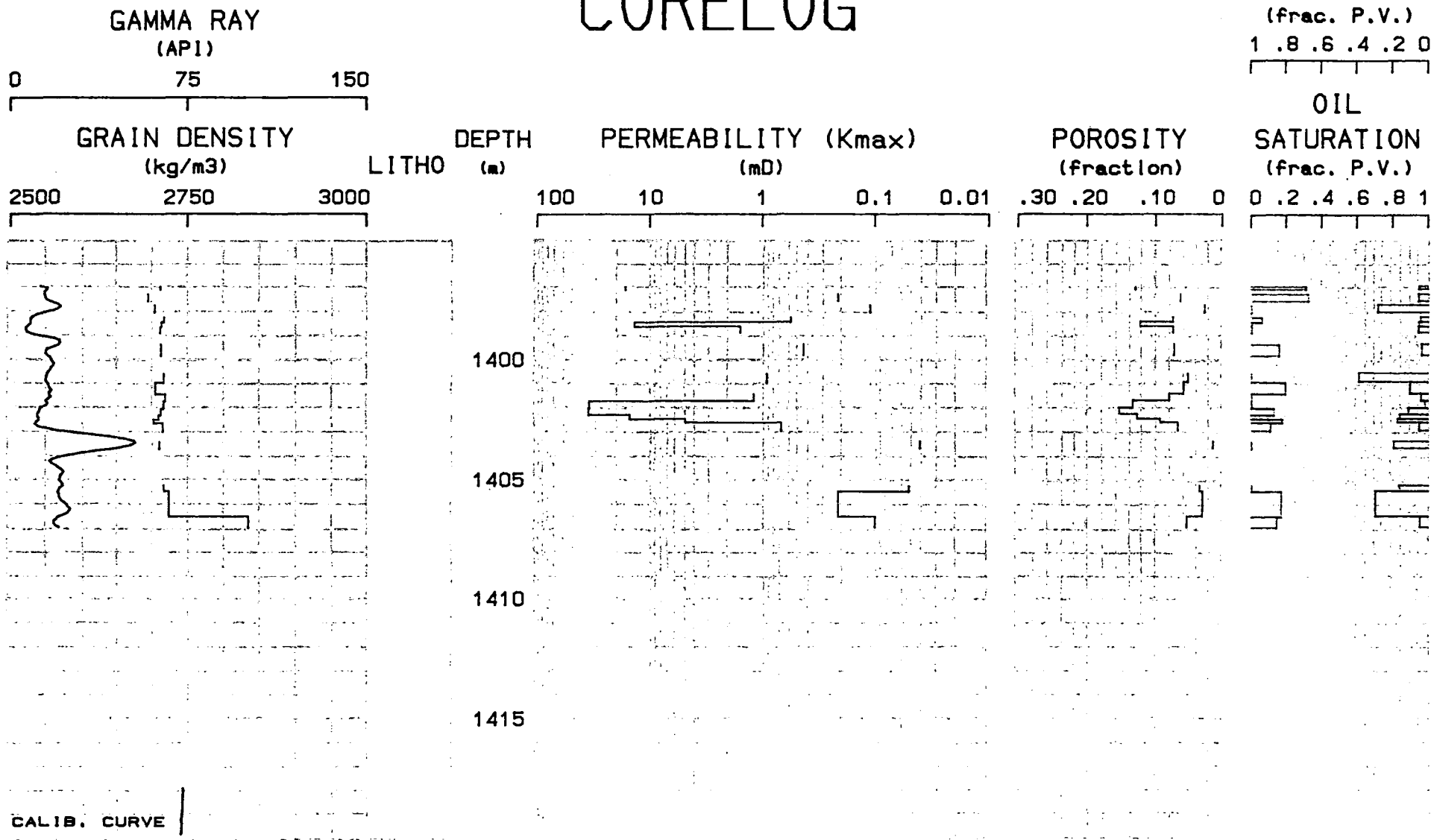
COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SULPHUR POINT
W/O: RC3070B



RECOVERY: 10.00m
CORED INTERVAL: 1397.00 - 1407m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORE 3

CORELOG



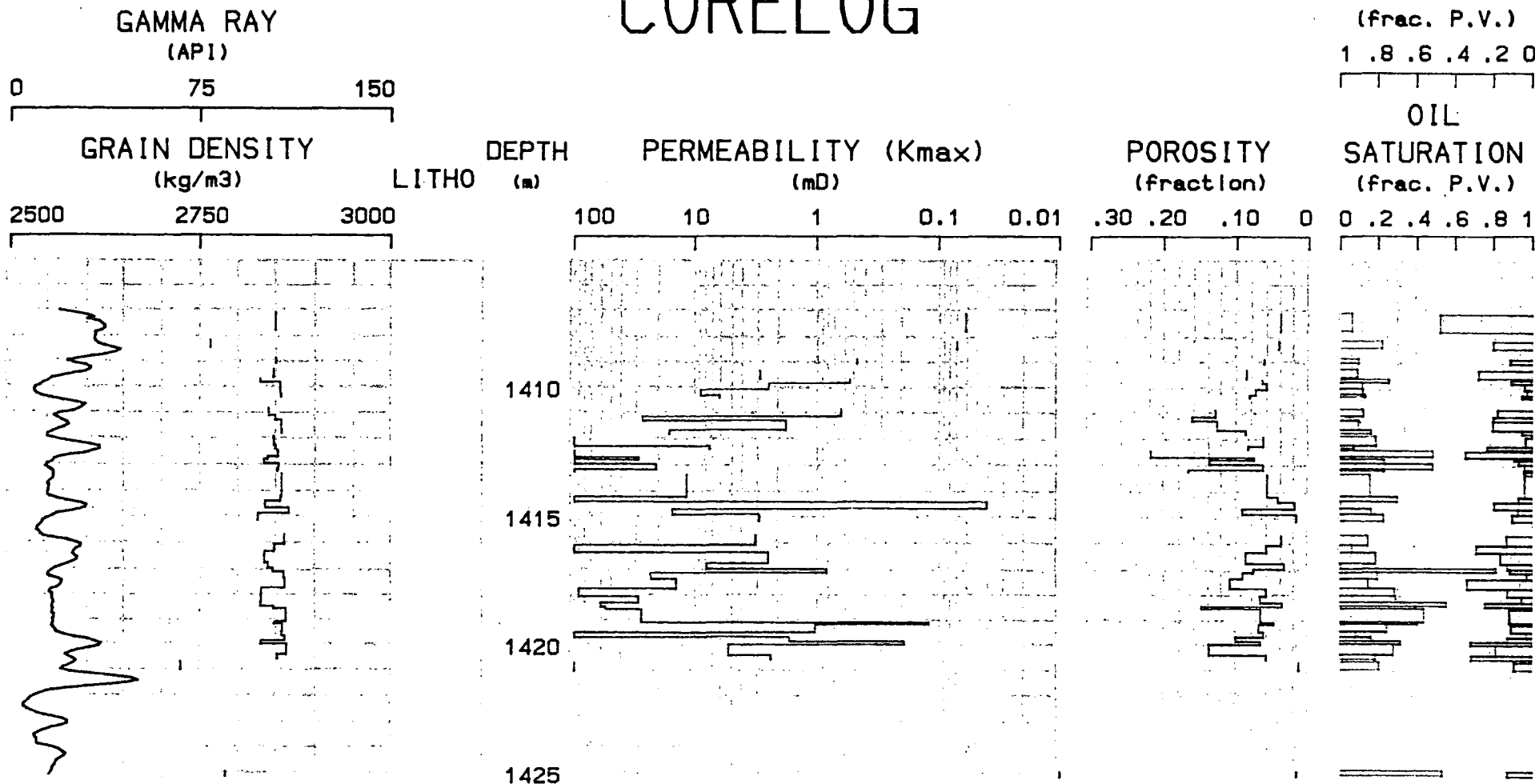
COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SULPHUR POINT
W/O: RC3070C
CORE 4

AGAT® Laboratories



RECOVERY: 18.00m
CORED INTERVAL: 1407.00 - 1425.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

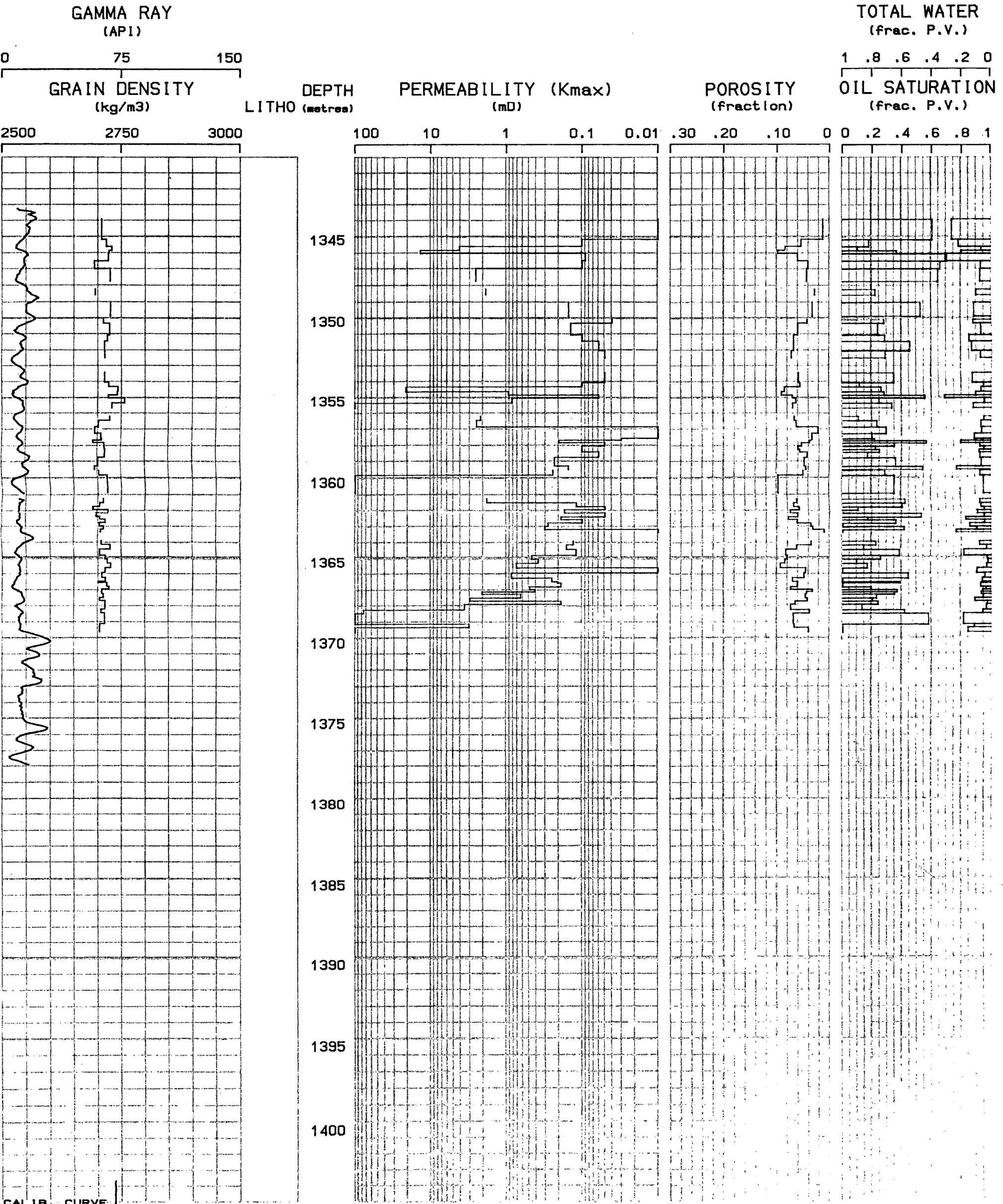


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070A
CORE 1 & 2



RECOVERY: 34.60m
CORED INTERVAL: 1343.00 - 1377.60
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG



CANADA OIL AND GAS LANDS
ADMINISTRATION
GAZ ET PÉTROLE DU CANADA

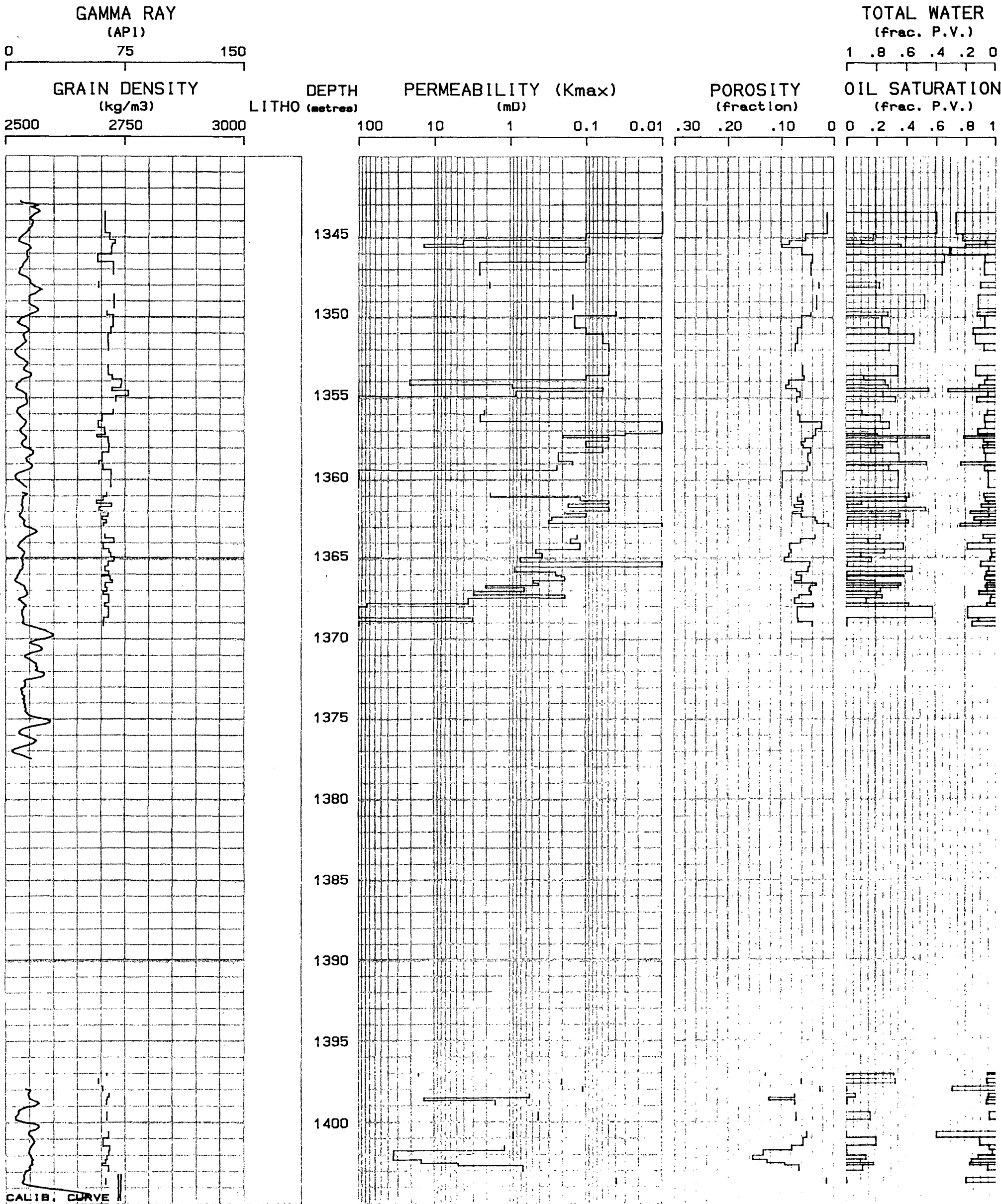
CANADA OIL AND GAS LANDS
ADMINISTRATION
GAZ ET PÉTROLE DU CANADA
APR 25 1991
ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET DU CONTRÔLE

COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070



RECOVERY: 62.60m
CORED INTERVAL: 1343.00 - 1425.00
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

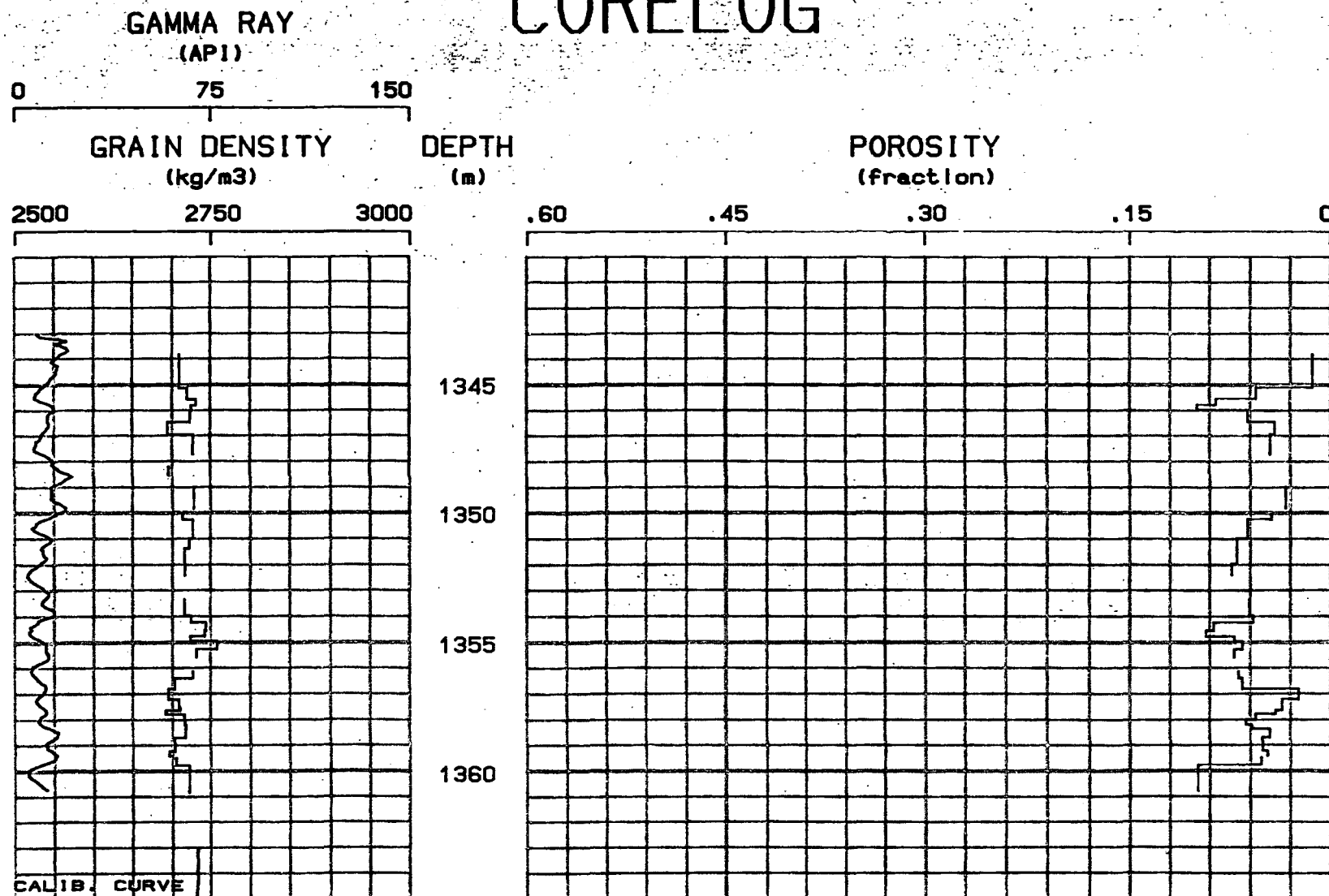


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070A



RECOVERY: 18.00m
CORED INTERVAL: 1343.00-1361.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

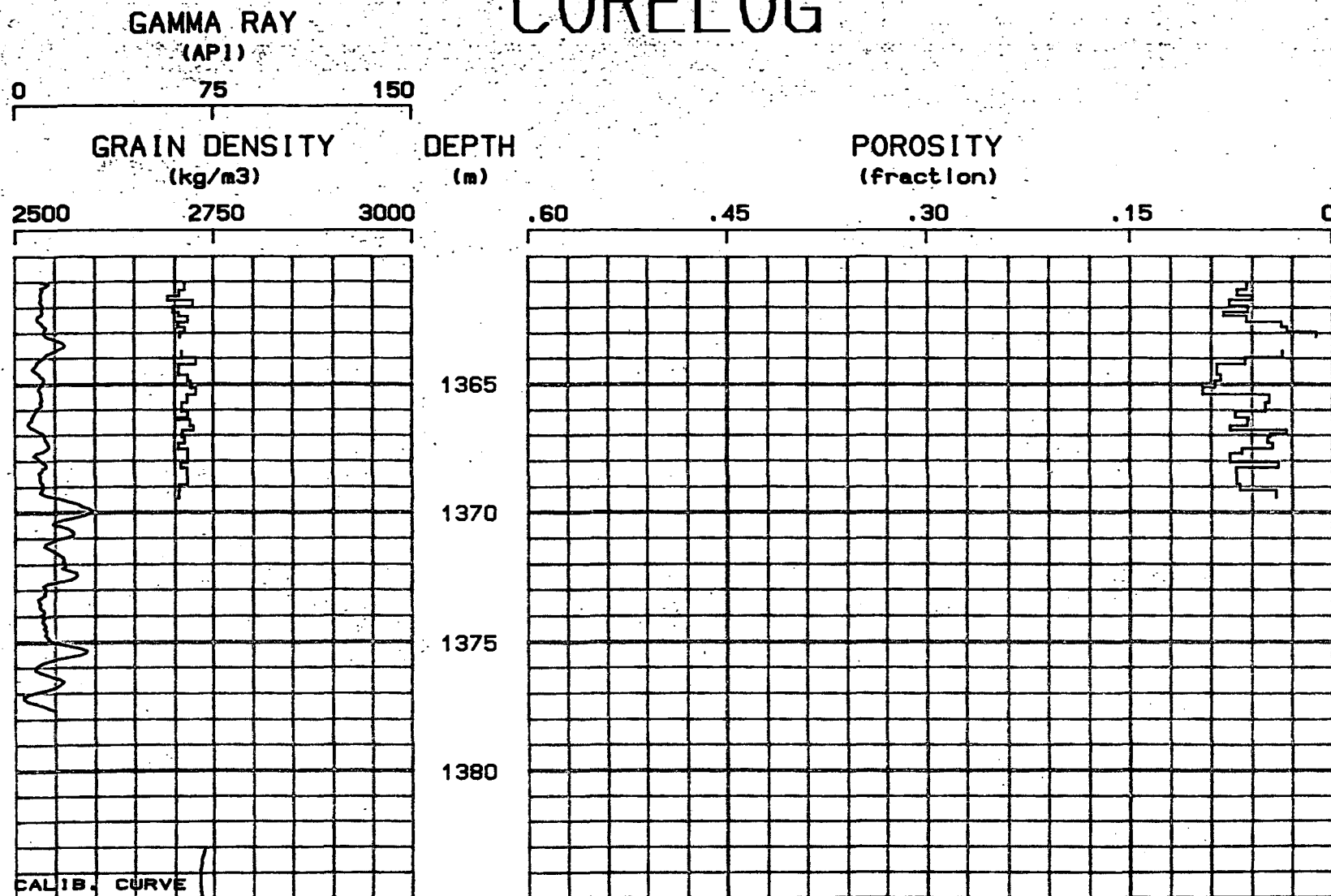


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070B

AGAT  **Labs**

RECOVERY: 16.60m
CORED INTERVAL: 1361.00 - 1377.60m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

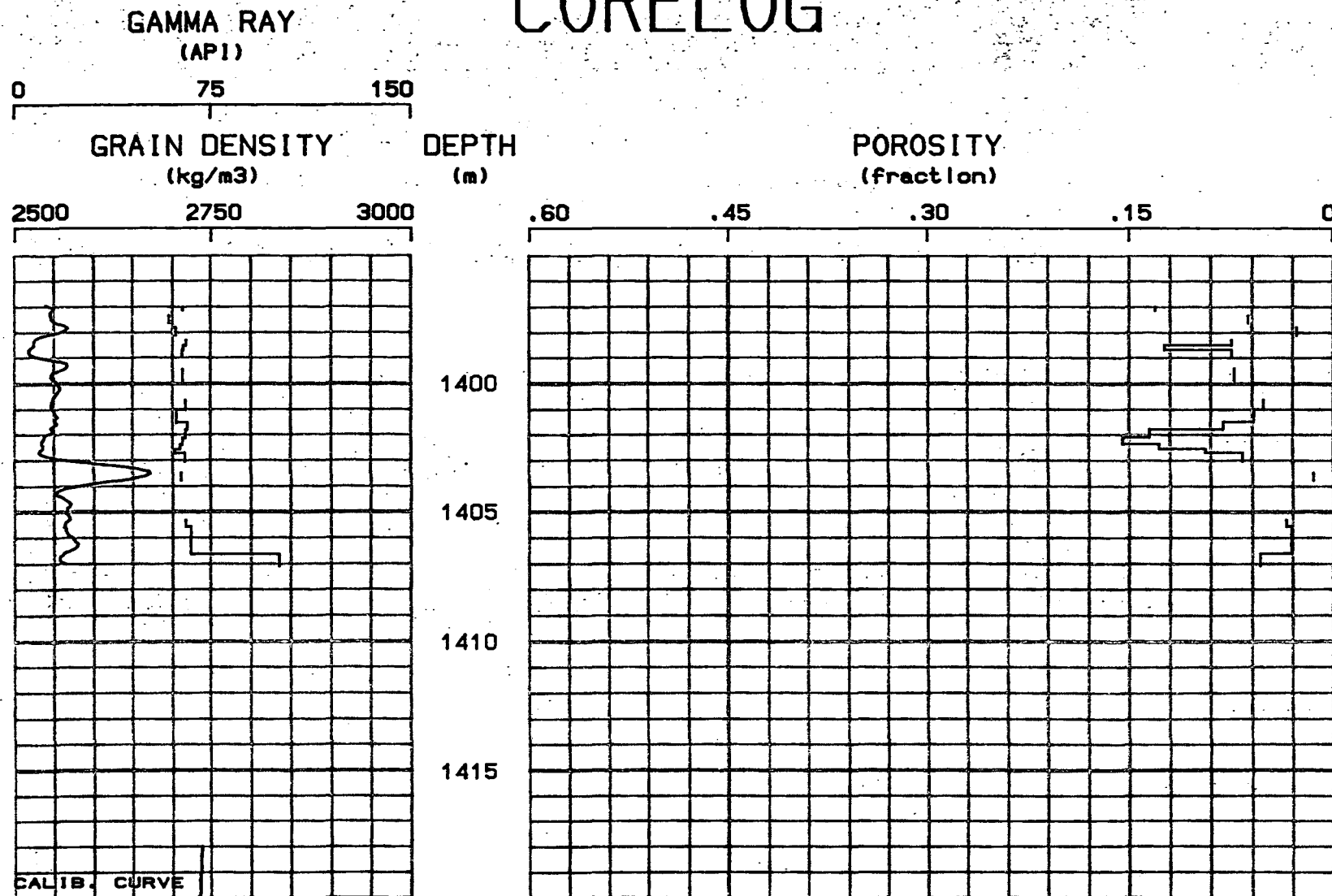


COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070C



RECOVERY: 10.00m
CORED INTERVAL: 1397.00 - 1407.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG



COMPANY: PARAMOUNT RESOURCES
WELL: PARA et al CAMERON M-73
LOCATION: 60-10N-117-15W
FIELD:
FORMATION(S): SLAVE POINT
W/O: RC3070D



RECOVERY: 18.00m
CORED INTERVAL: 1407.00 - 1425.00m
DRLG. FLD.: WATER BASE MUD
ELEVATION: KB:
GRD:

CORELOG

