

COMPANY : DEVON CANADA CORPORATION  
LOCATION : OUTCROP SAMPLES  
FORMATION :  
WELL NAME : DEVON OUTCROP SAMPLES  
DRILLING FLUID : WATER BASE MUD

PAGE : 1  
DATE : 16-Nov-2006  
W/O No : RC12850

## ROUTINE CORE ANALYSIS

Sample	Interval (m)		Rep Thick (m)	Sample Length (m)	Gas Permeability			Capacity Kmax mD·m	Porosity	Capacity Ø·m	Density (Kg/m³)		Residual Saturation		Remarks
	Top	Base			Kmax (mD)	K90 (mD)	Kv (mD)				Bulk	Grain	Oil	Water	
SP001	1.00	1.00	0.00	-	0.11	-	-		0.025	0.000	2550	2640	-	-	ss:vf-fgr:lam
SP002	2.00	2.00	0.00	-	0.69	-	-		0.063	0.000	2500	2670	-	-	ss:vf-cgr:pyr:fracs
SP003	3.00	3.00	0.00	-	0.21	-	-		0.033	0.000	2560	2650	-	-	ss:vf-mgr:lam:fracs
SP004	4.00	4.00	0.00	-	0.02	-	-		0.043	0.000	2590	2700	-	-	ss:vfgr:arg:dol:calc:pyr
SP005	5.00	5.00	0.00	-	0.06	-	-		0.013	0.000	2590	2620	-	-	ss:vf-mgr:fracs
SP006	6.00	6.00	0.00	-	0.05	-	-		0.066	0.000	2450	2620	-	-	ss:vf-fgr
SP007	7.00	7.00	0.00	-	0.02	-	-		0.016	0.000	2580	2630	-	-	ss:vf-mgr
SP008	8.00	8.00	0.00	-	144.	-	-		0.158	0.000	2210	2620	-	-	ss:vf-cgr:fracs
SP009	9.00	9.00	0.00	-	0.07	-	-		0.094	0.000	2390	2630	-	-	ss:vf-mgr
SP010	10.00	10.00	0.00	-	442.	-	-		0.224	0.000	2060	2660	-	-	ss:vf-cgr:arg:calc
SP011	11.00	11.00	0.00	-	0.06	-	-		0.065	0.000	2490	2650	-	-	ss:vf-cgr:arg:pyr
SP012	12.00	12.00	0.00	-	0.16	-	-		0.110	0.000	2360	2650	-	-	ss:vf-mgr:arg
SP013	13.00	13.00	0.00	-	23.8	-	-		0.105	0.000	2400	2680	-	-	ss:vf-mgr:calc
SP014	14.00	14.00	0.00	-	27.3	-	-		0.094	0.000	2420	2670	-	-	ss:vf-mgr:calc
SP015	15.00	15.00	0.00	-	351.	-	-		0.166	0.000	2210	2660	-	-	ss:vf-mgr:calc
SP016	16.00	16.00	0.00	-	51.3	-	-		0.136	0.000	2350	2720	-	-	ss:vf-mgr:calc:sid
SP017	17.00	17.00	0.00	-	0.06	-	-		0.067	0.000	2560	2740	-	-	ss:vf-cgr:sid
SP018	18.00	18.00	0.00	-	2.79	-	-		0.129	0.000	2350	2690	-	-	ss:vf-mgr:calc:sid:frac
SP019	19.00	19.00	0.00	-	3.87	-	-		0.101	0.000	2400	2670	-	-	ss:vf-mgr:calc
SP020	20.00	20.00	0.00	-	0.11	-	-		0.061	0.000	2470	2630	-	-	ss:vf-fgr
SP021	21.00	21.00	0.00	-	0.01	-	-		0.016	0.000	2610	2650	-	-	ss:vf-fgr

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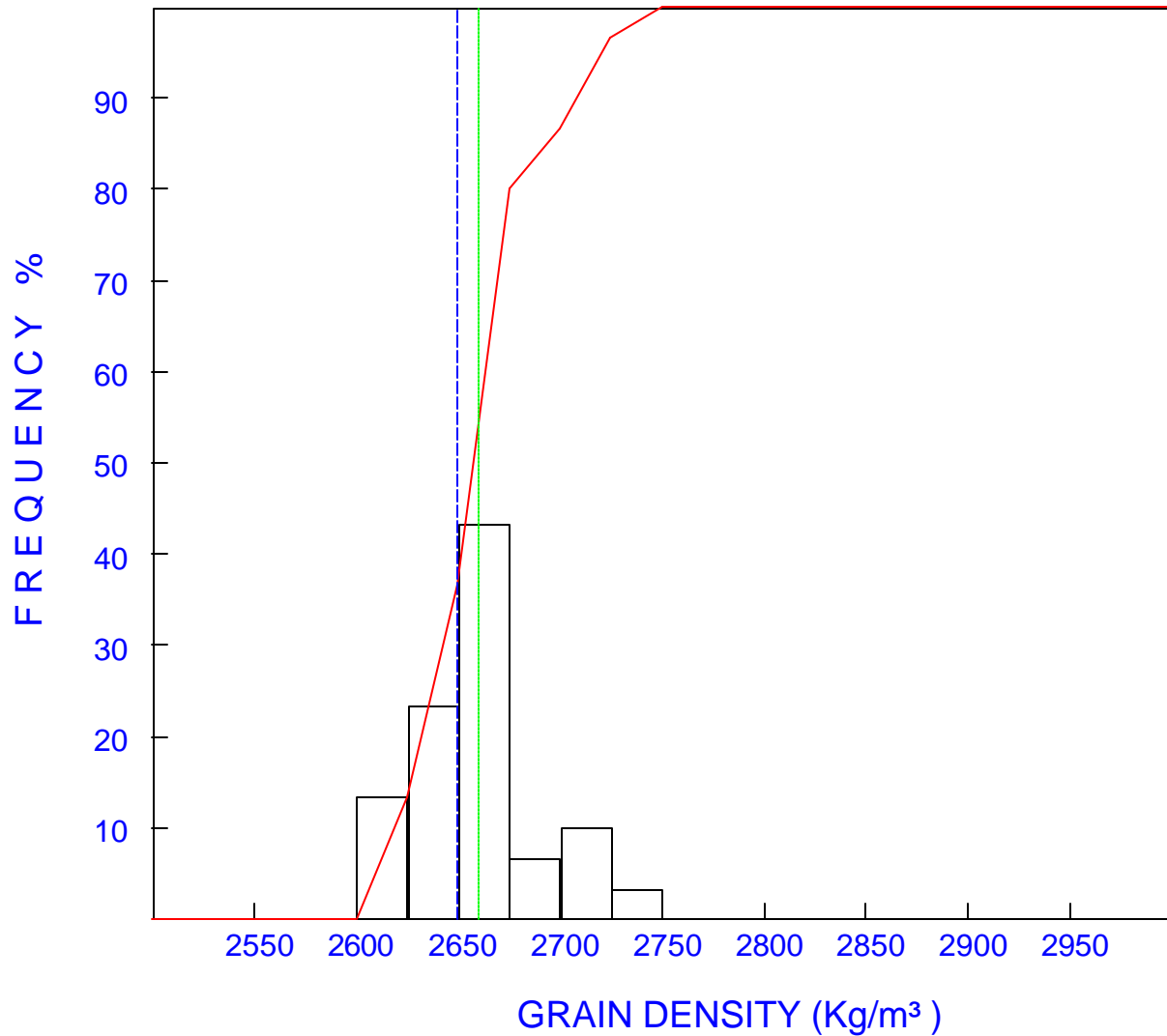
## ROUTINE CORE ANALYSIS

Sample	Interval (m)		Rep Thick (m)	Sample Length (m)	Gas Permeability			Capacity Kmax mD·m	Porosity	Capacity Ø·m	Density (Kg/m³)		Residual Saturation		Remarks
	Top	Base			Kmax (mD)	K90 (mD)	Kv (mD)				Bulk	Grain	Oil	Water	
SP022	22.00	22.00	0.00	-	0.05	-	-		0.071	0.000	2450	2630	-	-	ss:vfgr:arg:calc
SP023	23.00	23.00	0.00	-	0.12	-	-		0.070	0.000	2460	2640	-	-	ss:vf-mgr
SP024	24.00	24.00	0.00	-	0.03	-	-		0.061	0.000	2500	2660	-	-	ss:vfgr:arglam:calc:fracs
SP025	25.00	25.00	0.00	-	0.97	-	-		0.030	0.000	2580	2660	-	-	ss:vf-mgr:calc:frac
SP026	26.00	26.00	0.00	-	0.03	-	-		0.045	0.000	2580	2700	-	-	ss:vf-fgr:arc:calc:pyr:frac
SP027	27.00	27.00	0.00	-	0.10	-	-		0.053	0.000	2480	2620	-	-	ss:vf-mgr
SP028	28.00	28.00	0.00	-	0.05	-	-		0.028	0.000	2580	2650	-	-	ss:vf-cgr
SP029	29.00	29.00	0.00	-	0.15	-	-		0.058	0.000	2520	2670	-	-	ss:vf-vcgr:pyr
SP030	30.00	30.00	0.00	-	24.0	-	-		0.075	0.000	2440	2630	-	-	ss:vf-mgr

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FIGURE : 1  
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## GRAIN DENSITY DISTRIBUTION

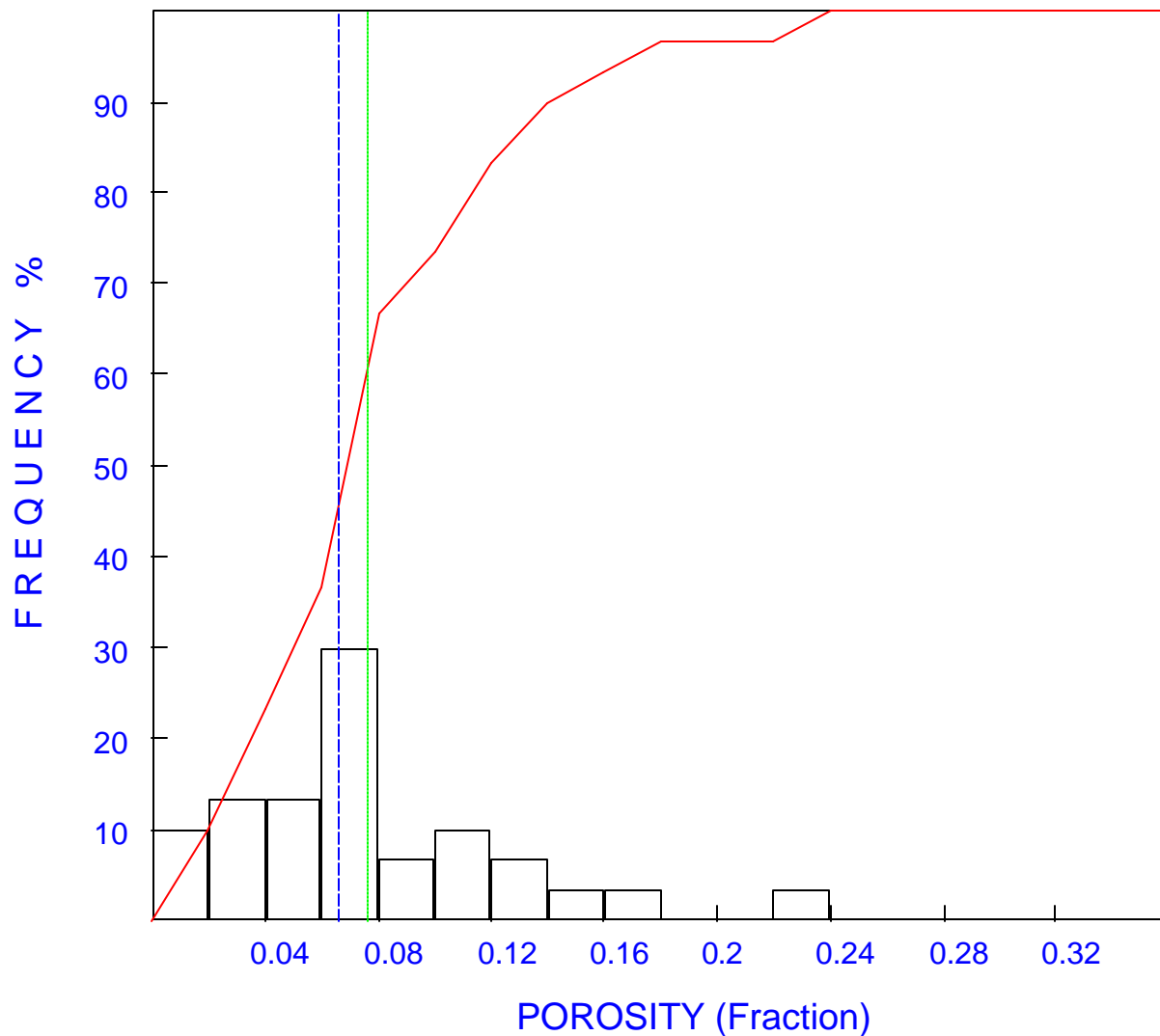


Arithmetic Mean	.....	Mean: 2660
Median	-----	Median: 2650
Cum. Frequency %	—————	

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FIGURE : 2  
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## POROSITY DISTRIBUTION



Arithmetic Mean  
Median  
Cum. Frequency %

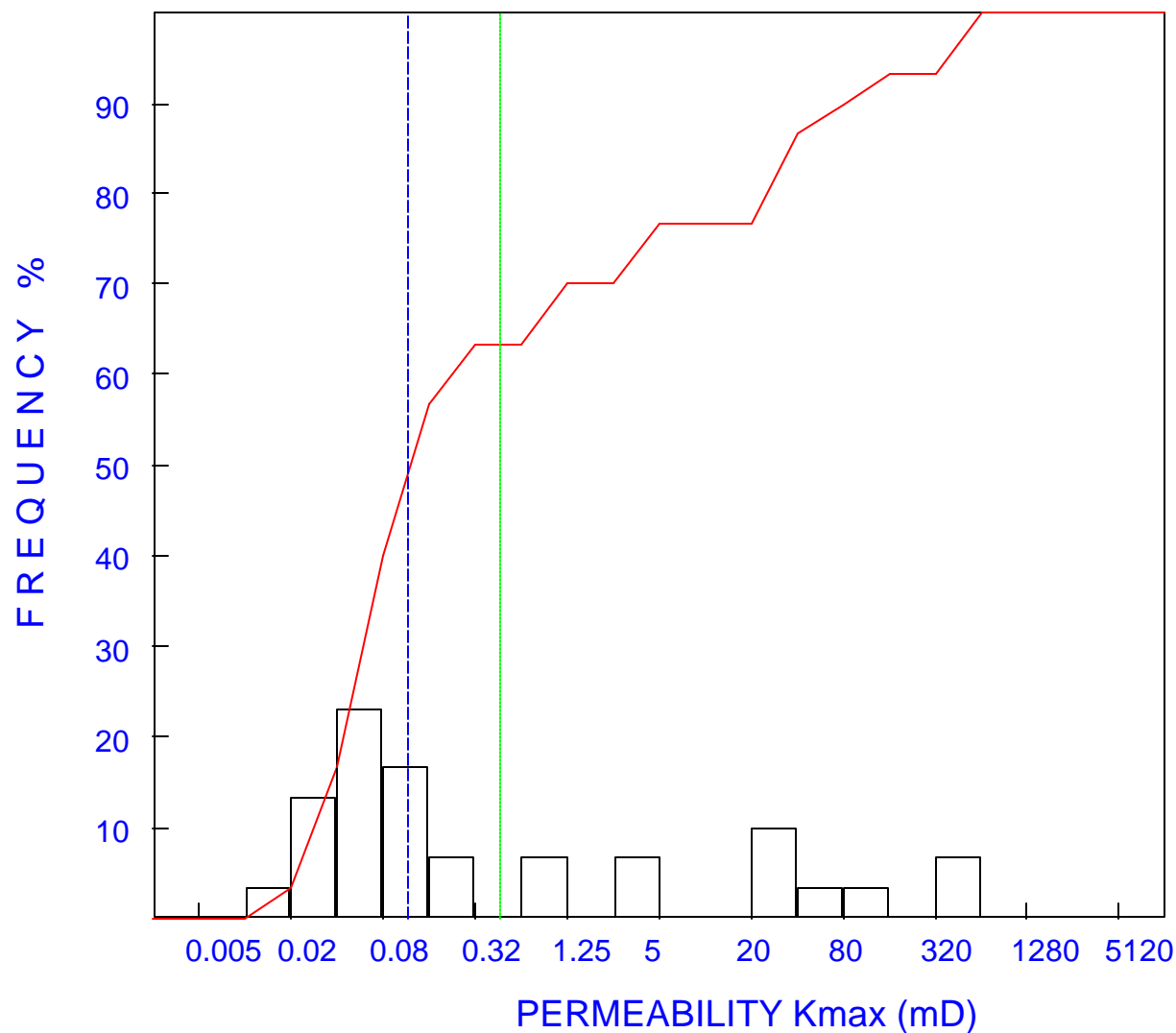


Mean: 0.076  
Median: 0.066

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## PERMEABILITY Kmax DISTRIBUTION



Arithmetic Mean  
Median  
Cum. Frequency %

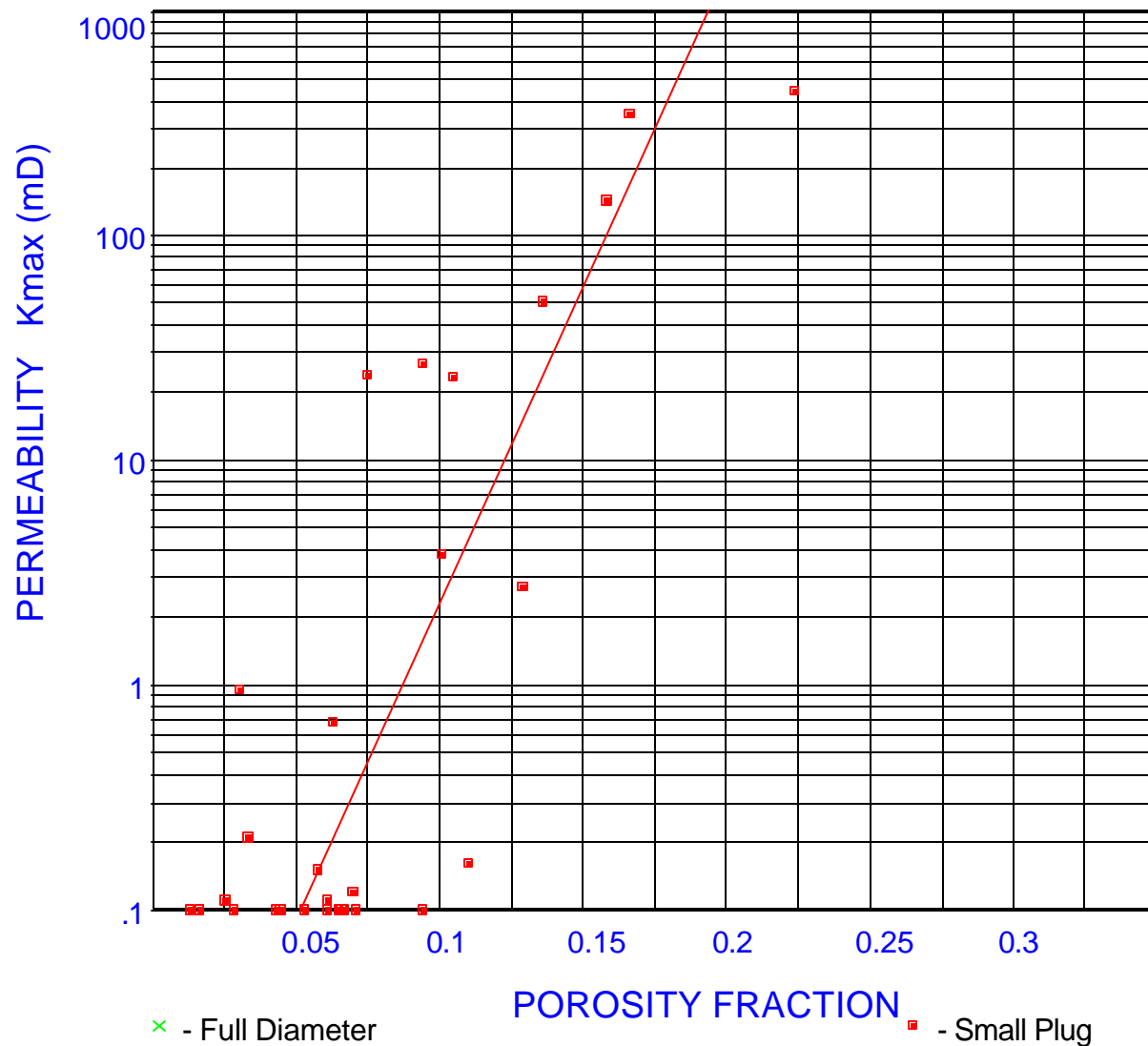
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Mean: 0.49  
Median: 0.12

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FIGURE : 4  
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## POROSITY-PERMEABILITY CORRELATION



Equation of Line :  $\text{Log (Kmax)} = -2.44 + 28.07 \cdot \text{Porosity}$   
Correlation Coefficient  $r = 0.82$