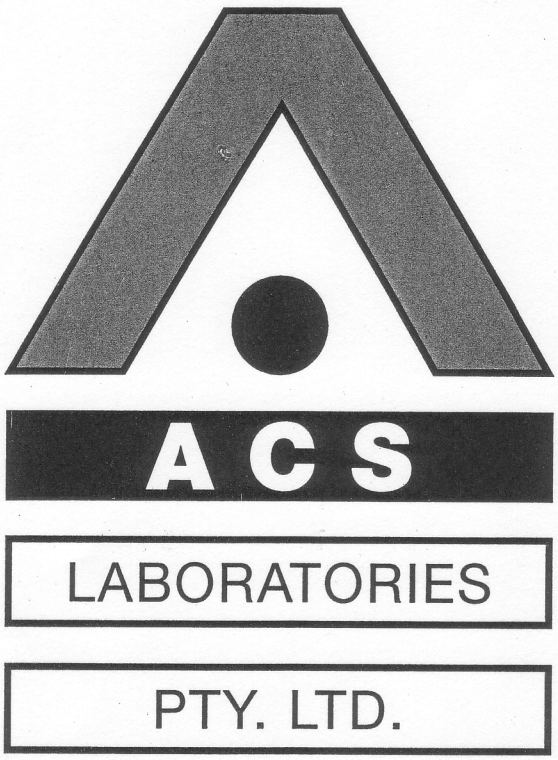
APPENDIX K

Porosity and Permeability Data System
Boreholes – Permian, Tasmania
ACS Laboratories P/L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CORE ANALYSIS FINAL REPORT

Client : University of Tasmania
Job : Various Samples

Date : 06/24/2002
File : 0333-02
Analysts : kw

Sample Number	Sample Type	Porosity Helium *(percent)*	Grain Density *(g/cm^3)*	Permeability to Air *(mD)*	Remarks
G1	1" Diameter Core Plug	2.3	2.66	0.05	1.8 cm
G2	1" Diameter Core Plug	4.3	2.68	0.05	1.6 cm
R1	1" Diameter Core Plug	10.6	2.67	0.18	1.6 cm
R2	1" Diameter Core Plug	13.6	2.66	0.43	2.0 cm
R3	1" Diameter Core Plug	14.9	2.66	8.8	2.9 cm

also have thin sections.

CORE ANALYSIS REPORT

Client : University of Tasmania
Job : Various Samples

Date : 15/08/2002
File : 0338-02
Analysts : kw

Sample Number	**Sample Depth** *(metres)*	**Porosity Helium** *(percent)*	**Grain Density** *(g/cm^3)*	**Permeability to Air** *(mD)*	**Remarks**
T1	364.50	10.0	2.64	0.12	1.8 cm
T2	370.70	7.6	2.68	0.05	1.8 cm
T3	370.75	7.0	2.67	0.05	1.8 cm
H1	853.25	8.7	2.68	0.06	2.5 cm
H2	862.50	4.1	2.68	0.04	2.6 cm
H3	869.30	5.6	2.67	0.05	2.6 cm

CORE ANALYSIS REPORT

Client :University of Tasmania
Job :Various Samples

Date :17-10-02
File :0343-02
Analysts :kw

Sample Number	Depth *(metres)*	Sample Type	Porosity Helium *(percent)*	Grain Density *(g/cm^3)*	Permeability to Air *(mD)*	Remarks
1	975.40	1" Diameter	7.5	2.62	0.03	
2	975.43	1" Diameter	31.3	2.64	15916	Sleeved
3	975.47	1" Diameter	11.8	2.63	3053	

CORE ANALYSIS REPORT

Client	:University of Tasmania	**Date**	:16-09-02
Job	:Various Samples	**File**	:0340-02
		Analysts	:kw

Sample Number	Sample Type	Porosity Helium *(percent)*	Grain Density *(g/cm^3)*	Permeability to Air *(mD)*	Remarks
Q6.4	1" Diameter Core Plug	14.7	2.66	1.80	
Q14.9	1" Diameter Core Plug	9.9	2.70	0.21	Frac
Q19.4	1" Diameter Core Plug	8.5	2.57	0.21	Frac, Mounted

Summary of point counted and helium injection porosity

sample		depth	helium porosity (percent)	point count porosity
G1	Granton	154.6	2.3	
G2		160.7	4.3	7.6 to 0
R1	Ross	136.9	10.6	10
R149.5		149.5		9.2
R154.6		154.6		2.5
R3		156.6	14.9	14.3
R2		165.6	13.6	6
R171.5		171.5		0.4
Q6.4	Quoin DDH	6.4	14.7	
Q14.9	Quoin DDH	14.9	9.9	
Q19.4	Quoin DDH	19.4	8.5	
B681.2	Bothwell	681.2		8.9
B685.4		685.4		4.2
B687.9		687.9		13.9
B690		690		17
H849.2	Hunterston	849.2		1.8
H850.5	Hunterston	850.5		0.9
H853.25	Hunterston	853.3	8.7	10.4
H862.5	Hunterston	862.5	4.1	2.6
H869.3	Hunterston	869.3	5.6	6.5
H957.5	Hunterston	957.5	7.5	
			31.3	
			11.8	
H957.5 mean			16.9	
UTGD 132524	Bothwell	677		3.6
UTGD 132525	Bothwell	679.7		7
UTGD 132500	GV Glencoe DDH	3.48		17.6
UTGD 132501	GV Glencoe DDH	4.27		17.6
UTGD 132502	GV Glencoe DDH	5.19		2.2
UTGD 132503	GV Glencoe DDH	6.22		6.2
UTGD 132504	GV Glencoe DDH	7.32		2
UTGD 132505	GV Glencoe DDH	15.5		6.2
UTGD 132506	Great Lake 5113	12.81		2.1
UTGD 132507	Great Lake 5113	14.94		6.3
UTGD 132508	Great Lake 5113	35.38		1.8
UTGD 132509	Great Lake 5005	46.06		2.1
UTGD 132514	Ross RG146	136		2.3
UTGD 132516	Ross RG146	137.1		1
UTGD 132517	Ross RG146	137		5.9
UTGD 132518	Ross RG146	148.8		4.9
UTGD 132519	Ross RG146	160.8		11.9
UTGD 132520	Tunbridge	366		0
UTGD 132521	Tunbridge	369.5		2.7
UTGD 132522	Tunbridge	370		0
UTGD 132523	Tunbridge	378.5		15 ??????
T1	Tunbridge	364.50	10.0	
T2	Tunbridge	370.70	7.6	
T3	Tunbridge	370.75	7.0	