APPENDIX 2.1

PORE SIZE STATISTICS

(MICRONS)

DEPOSITIONAL FACIES	WELL	DEPTH (ft)	STATISTICAL PARAMETERS	
				microns
GRAVELS (RF-1)	Beanbush 1	8735'	Average	569.27
			St Dev	531.24
			Skewness	1.65
			Kurtosis	1.99
	Telopea 2	8188'	Average	278.00
			St Dev	198.42
			Skewness	1.74
			Kurtosis	3.26
	Telopea 2	8189'	Average	186.32
			St Dev	113.50
			Skewness	1.20
			Kurtosis	1.34
FLUVIAL CHANNEL	Telopea 2	8174'	Average	218.75
SANDS (RF-2)			St Dev	119.63
			Skewness	1.11
			Kurtosis	1.58
	Merrimelia 29	7100'	Average	165.27
			St Dev	119.34
			Skewness	2.52
			Kurtosis	9.28
CHUTE SANDS	Merrimelia 15	7120'1/2"	Average	125.62
(RF-3)			St Dev	71.08
			Skewness	1.47
			Kurtosis	2.43
	Merrimelia 17	7078'21/2"	Average	182.61
			St Dev	167.05
			Skewness	3.15
			Kurtosis	13.50
CREVASSE SPLAY	Merrimelia 7	7108'4"	Average	185.39
SANDS (RF-4)			St Dev	142.73
			Skewness	1.79
			Kurtosis	3.91
	Merrimelia 29	7136'	Average	244.06
			St Dev	200.04
			Skewness	2.44
			Kurtosis	6.38
	Merrimelia 17	7105'	Average	140.61
			St Dev	89.18
			Skewness	1.71
			Kurtosis	3.57

APPENDIX 3.1

XRD TRACES

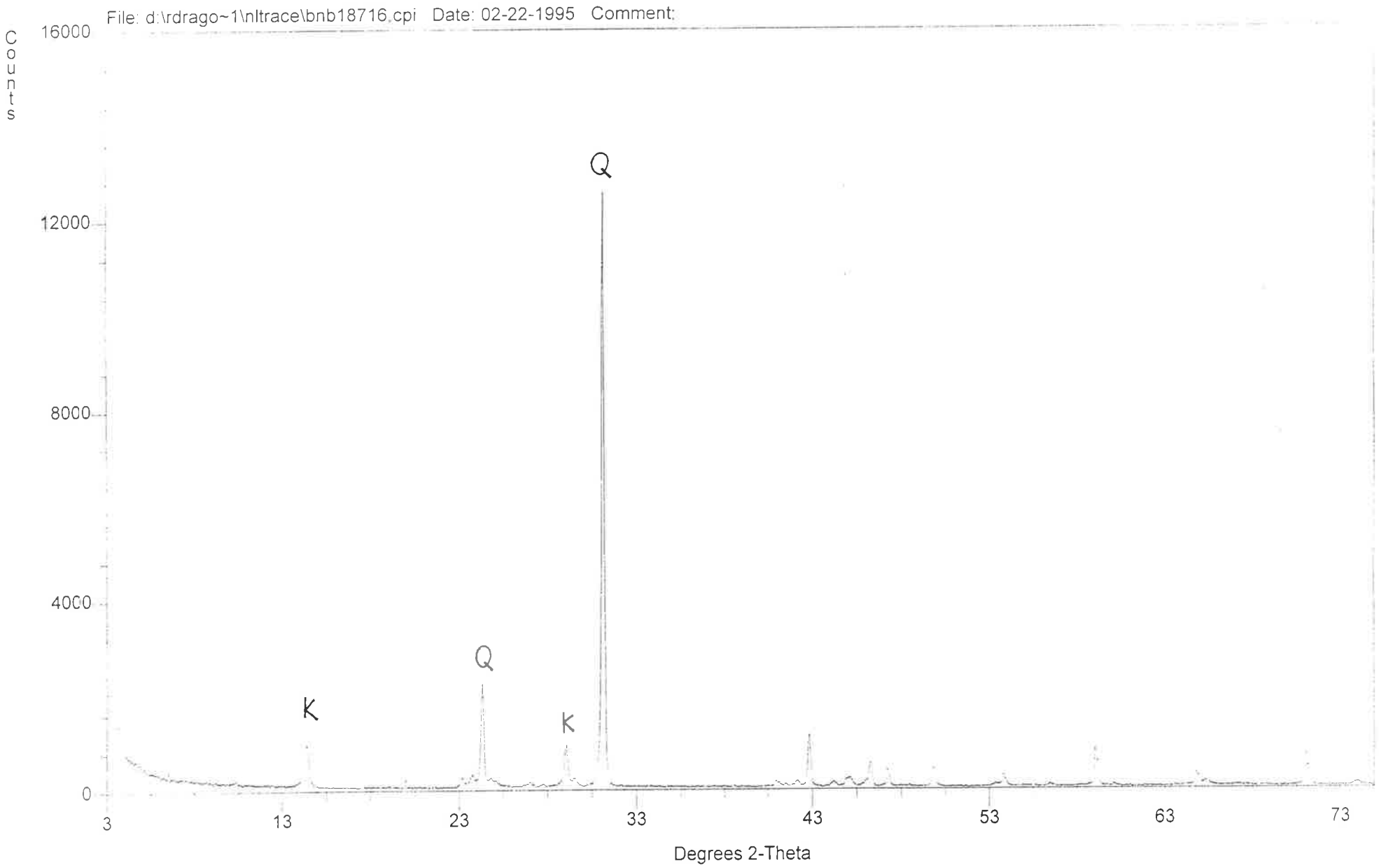
LEGEND

Q – quartz

K – kaolin

I – illite

S – siderite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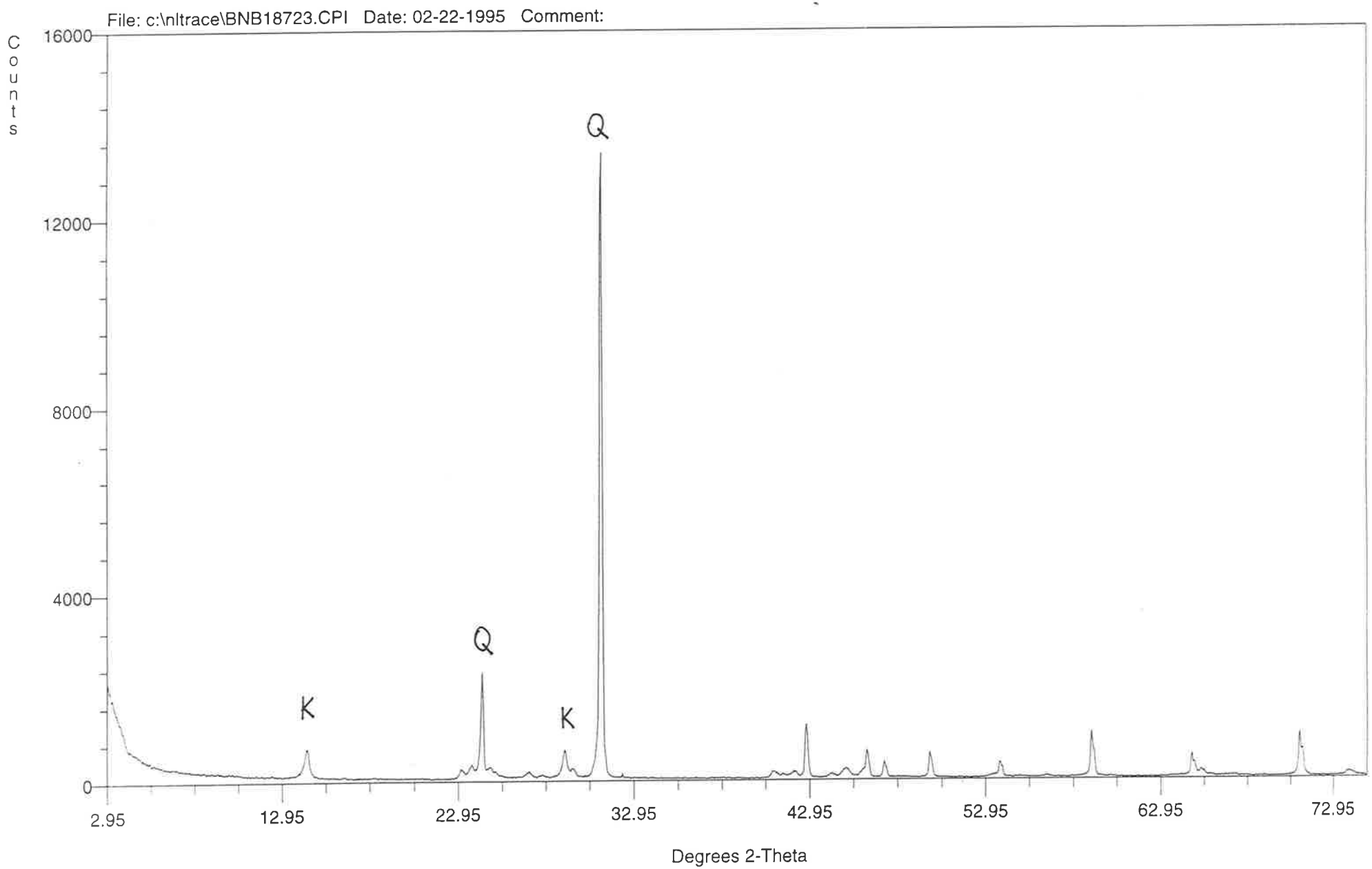
Degrees 2-Theta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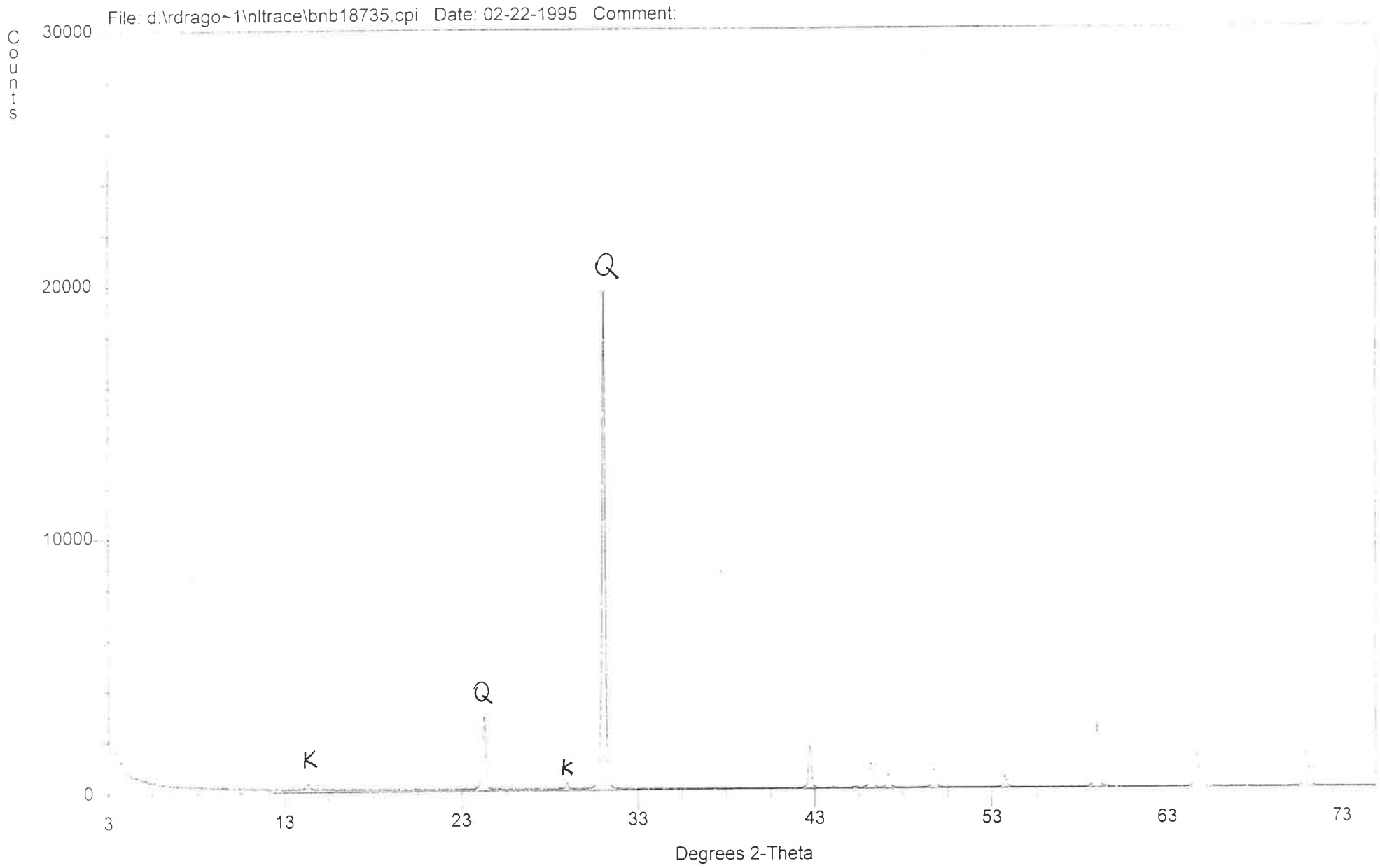
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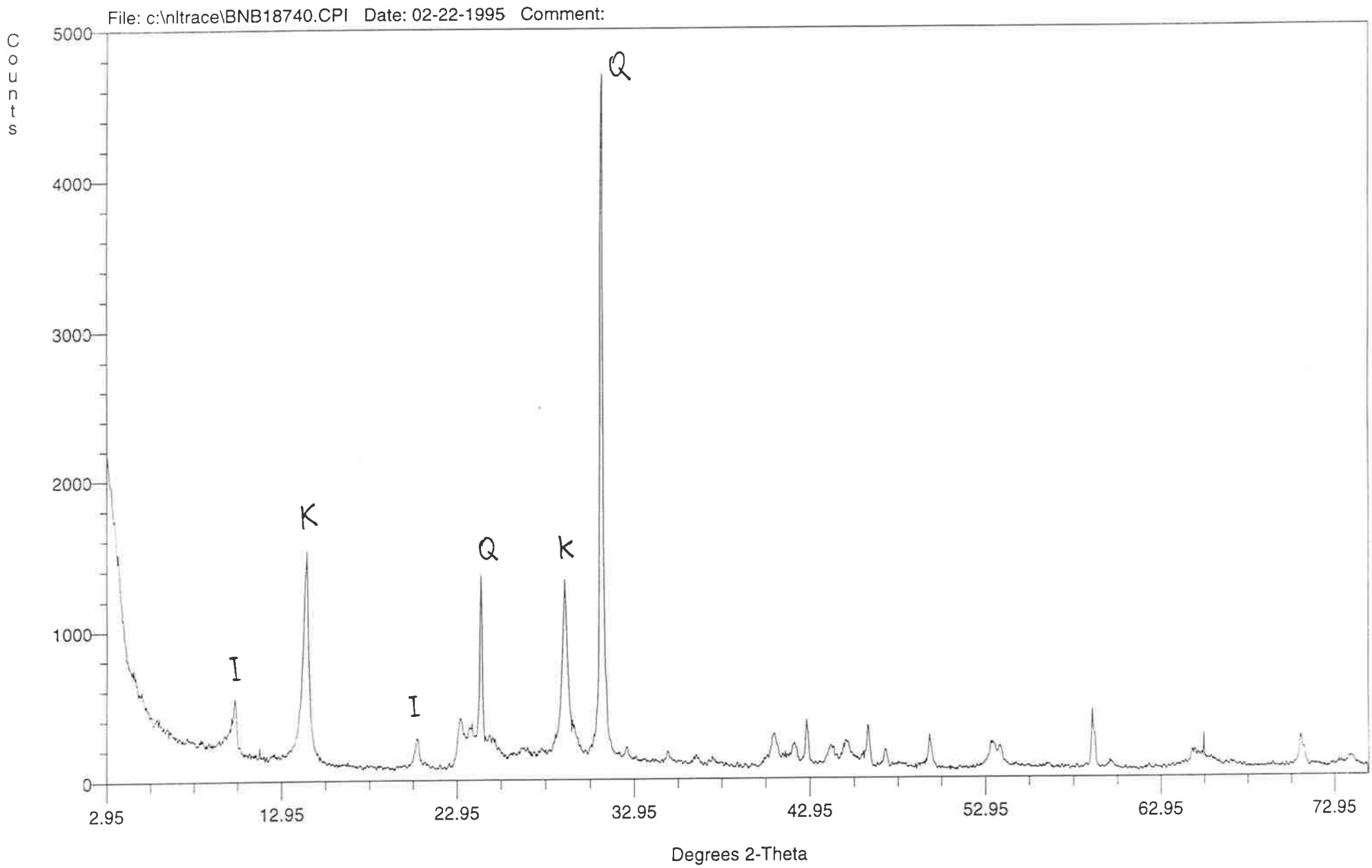
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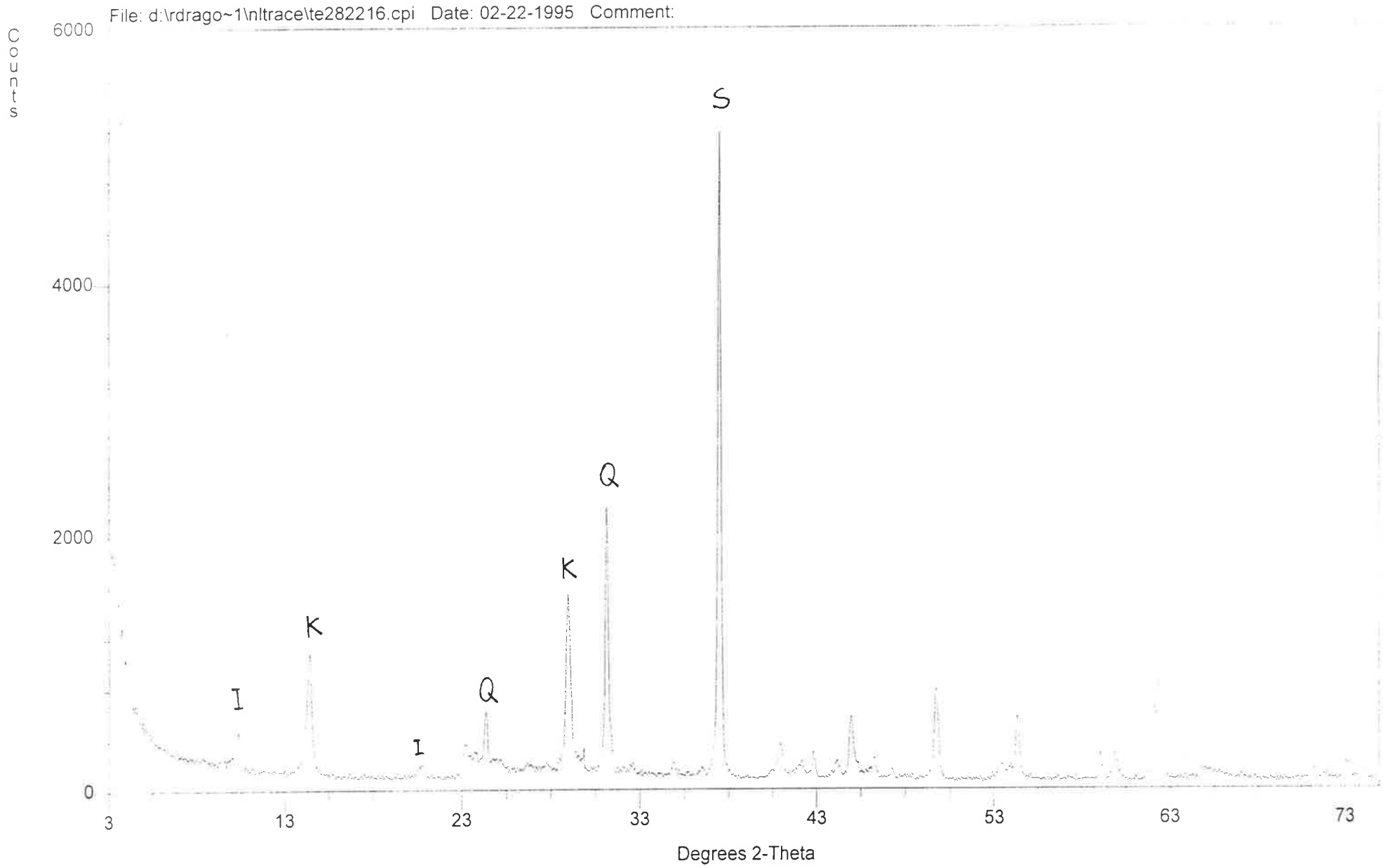
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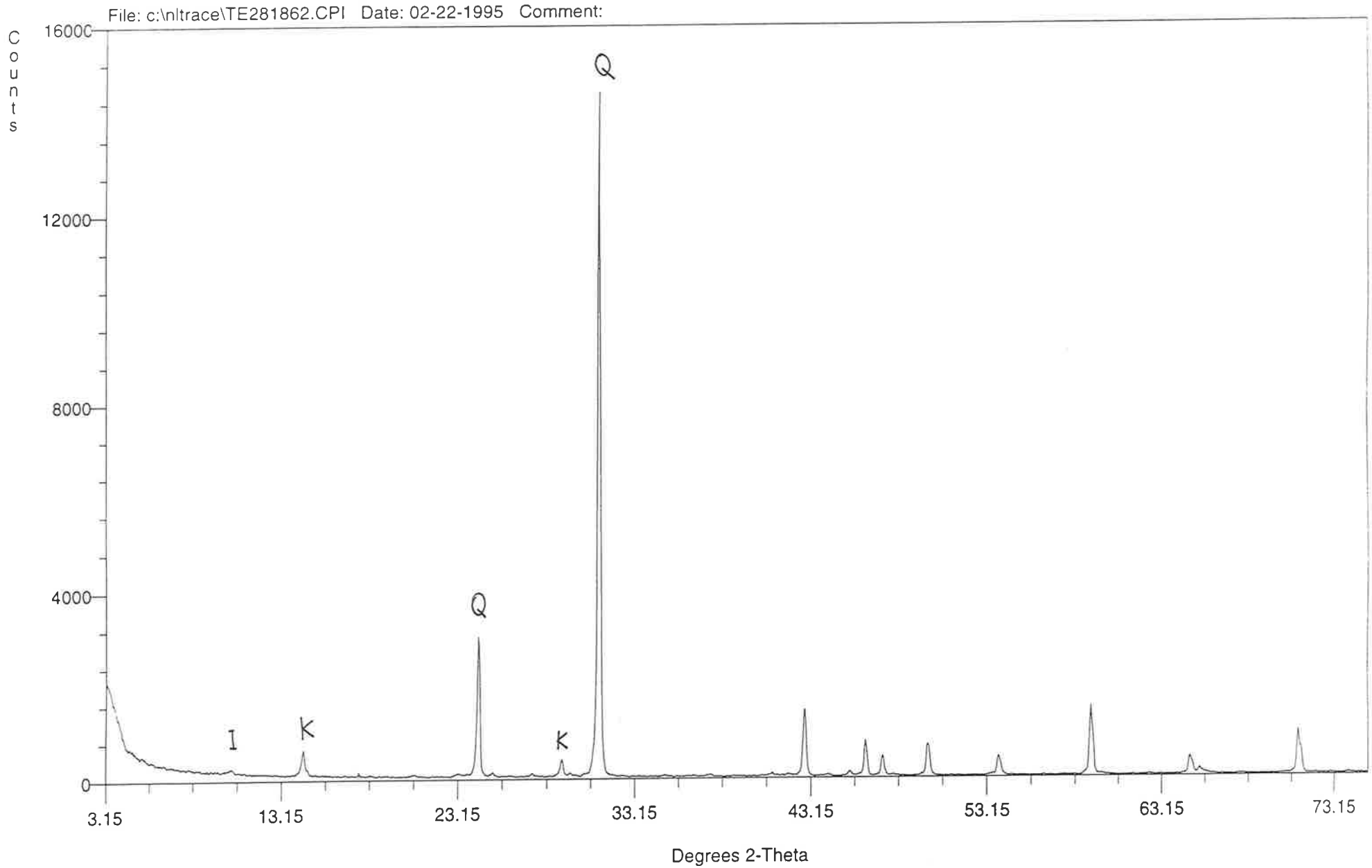
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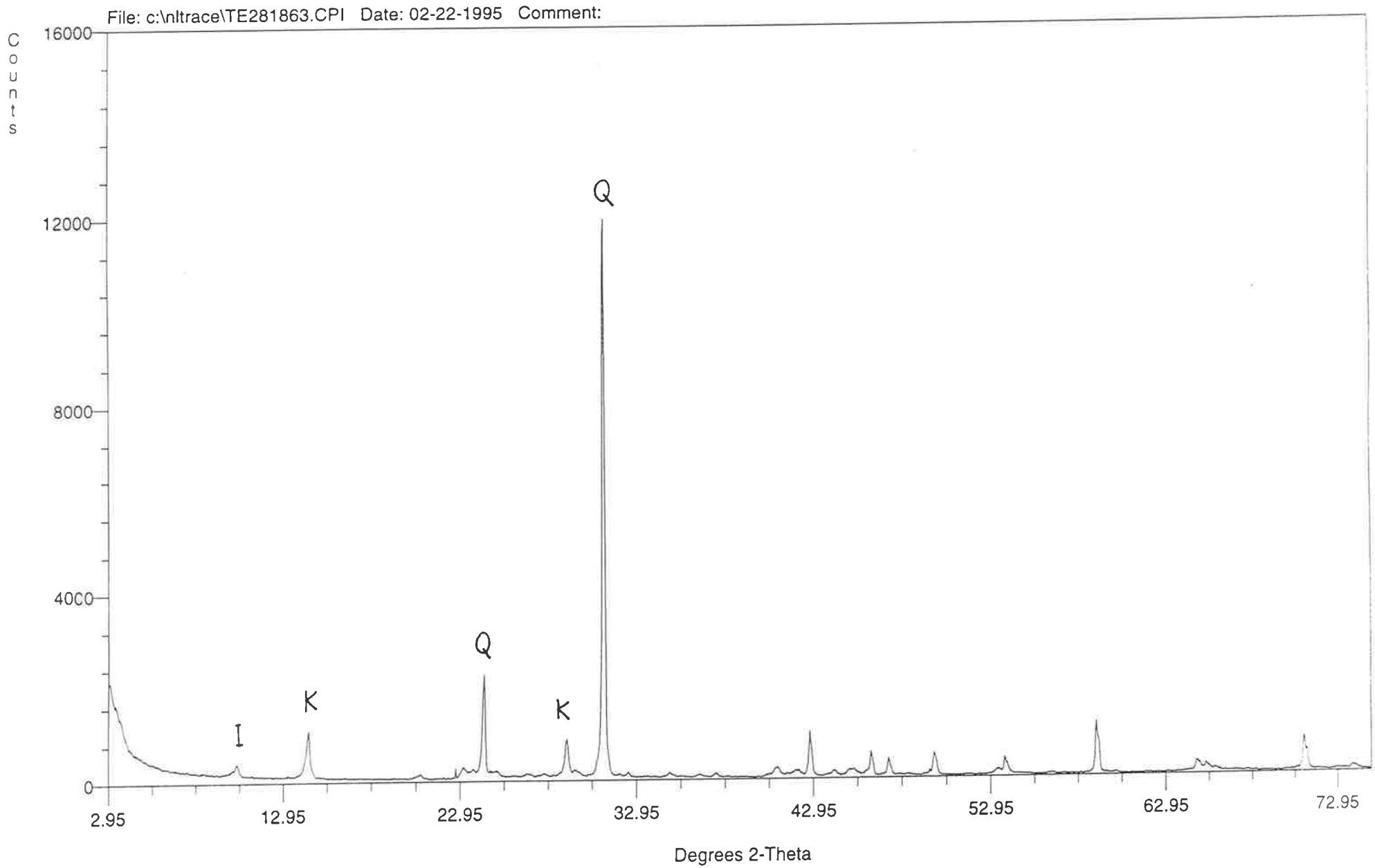
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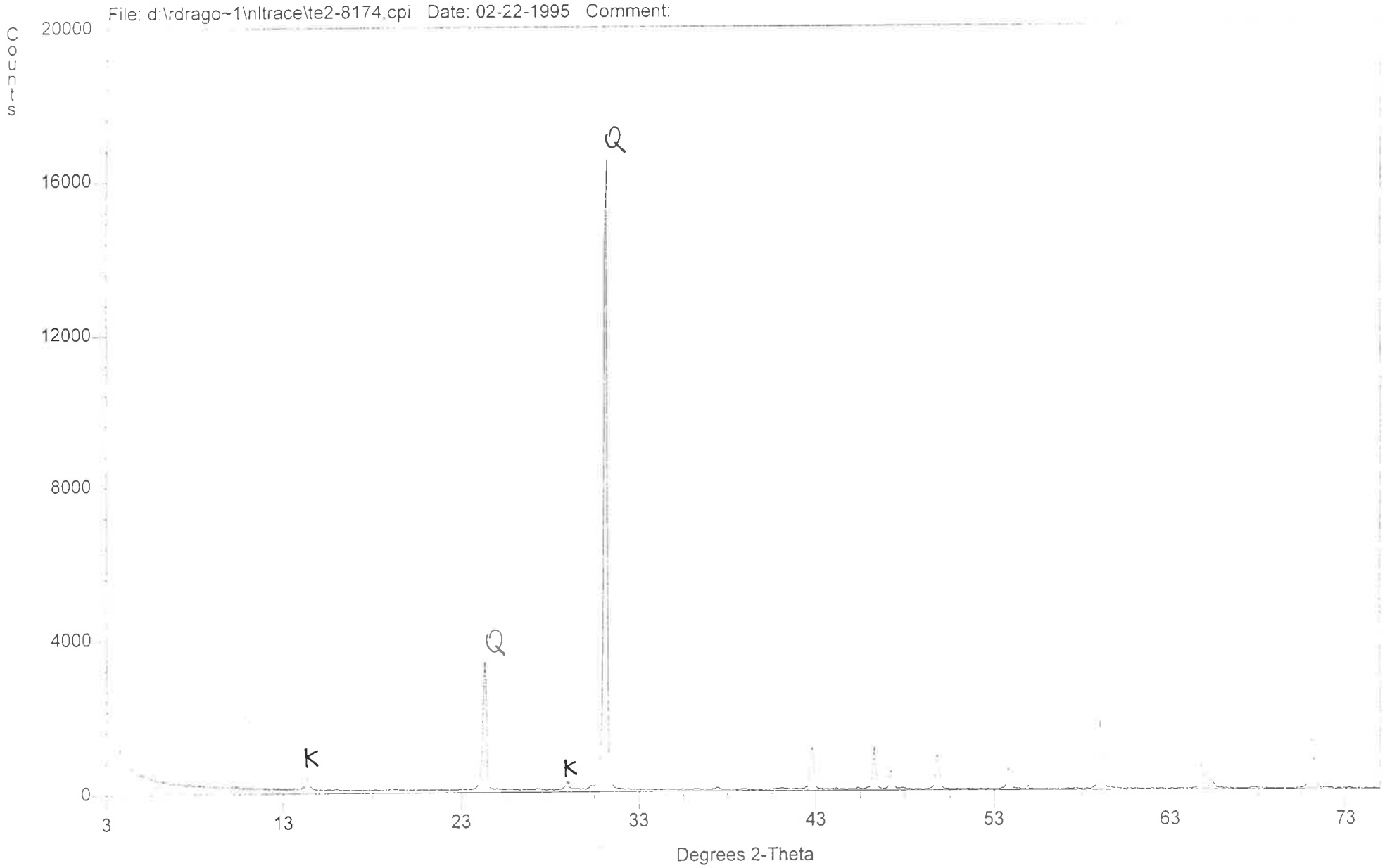
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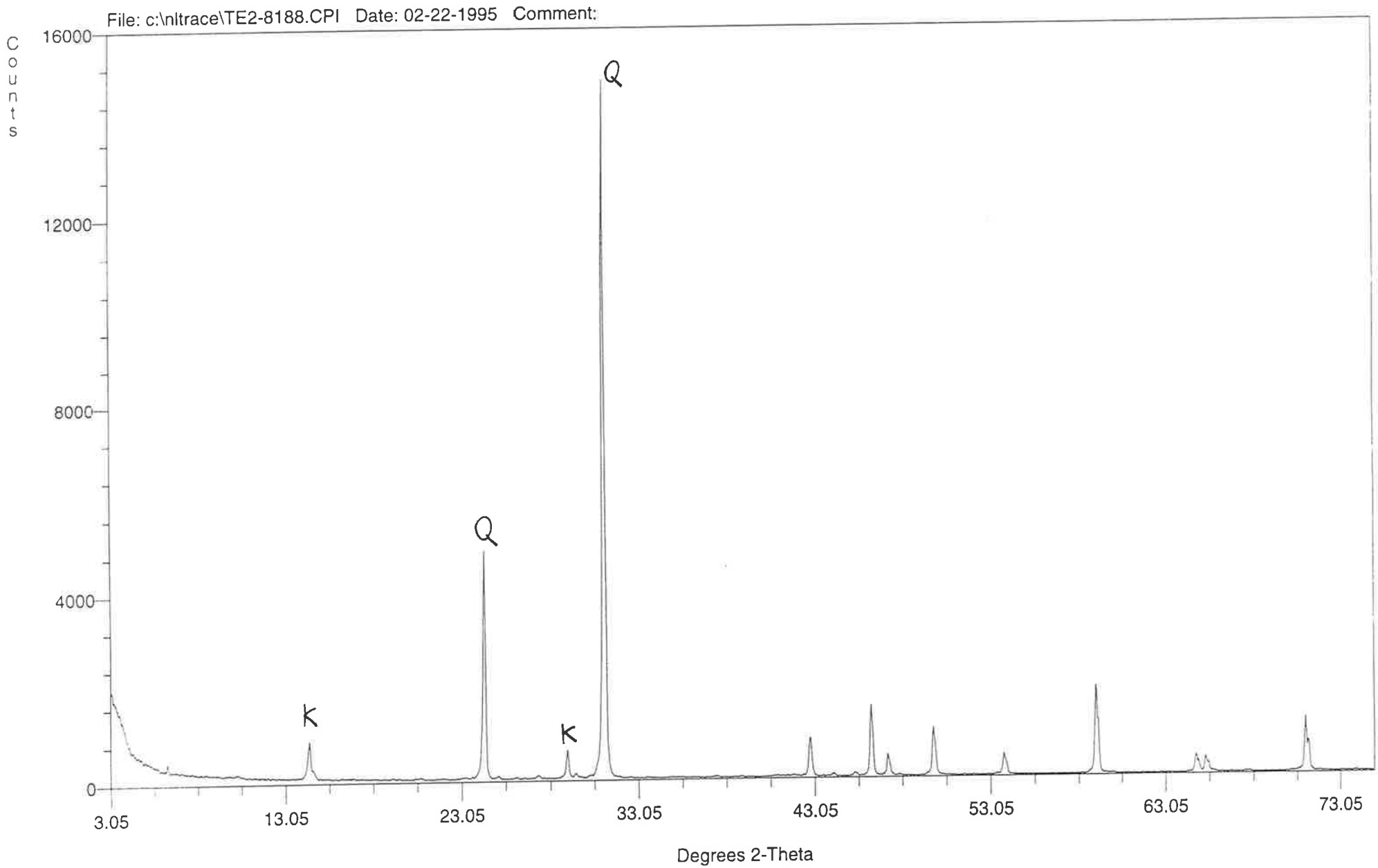
Degrees 2-Theta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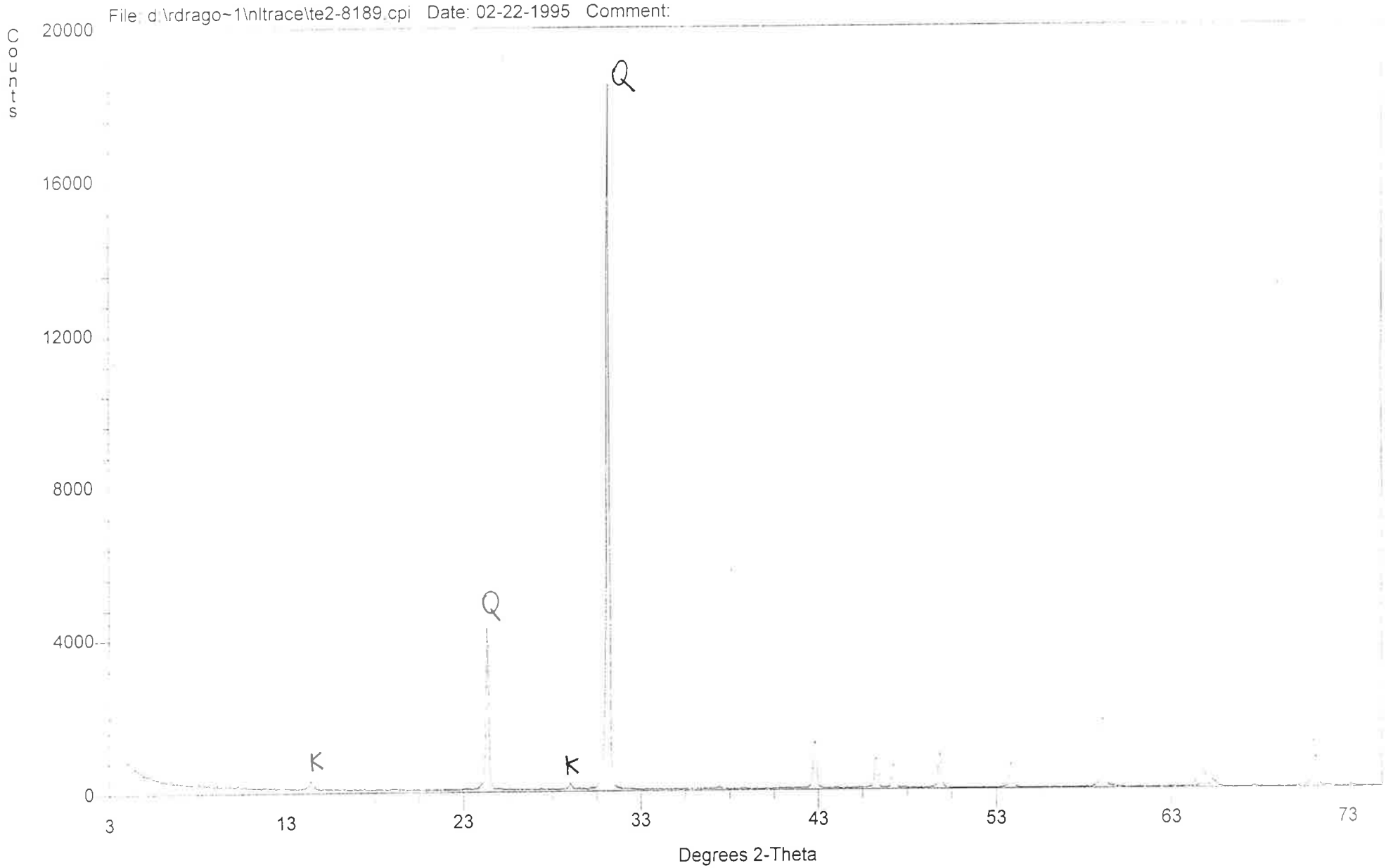
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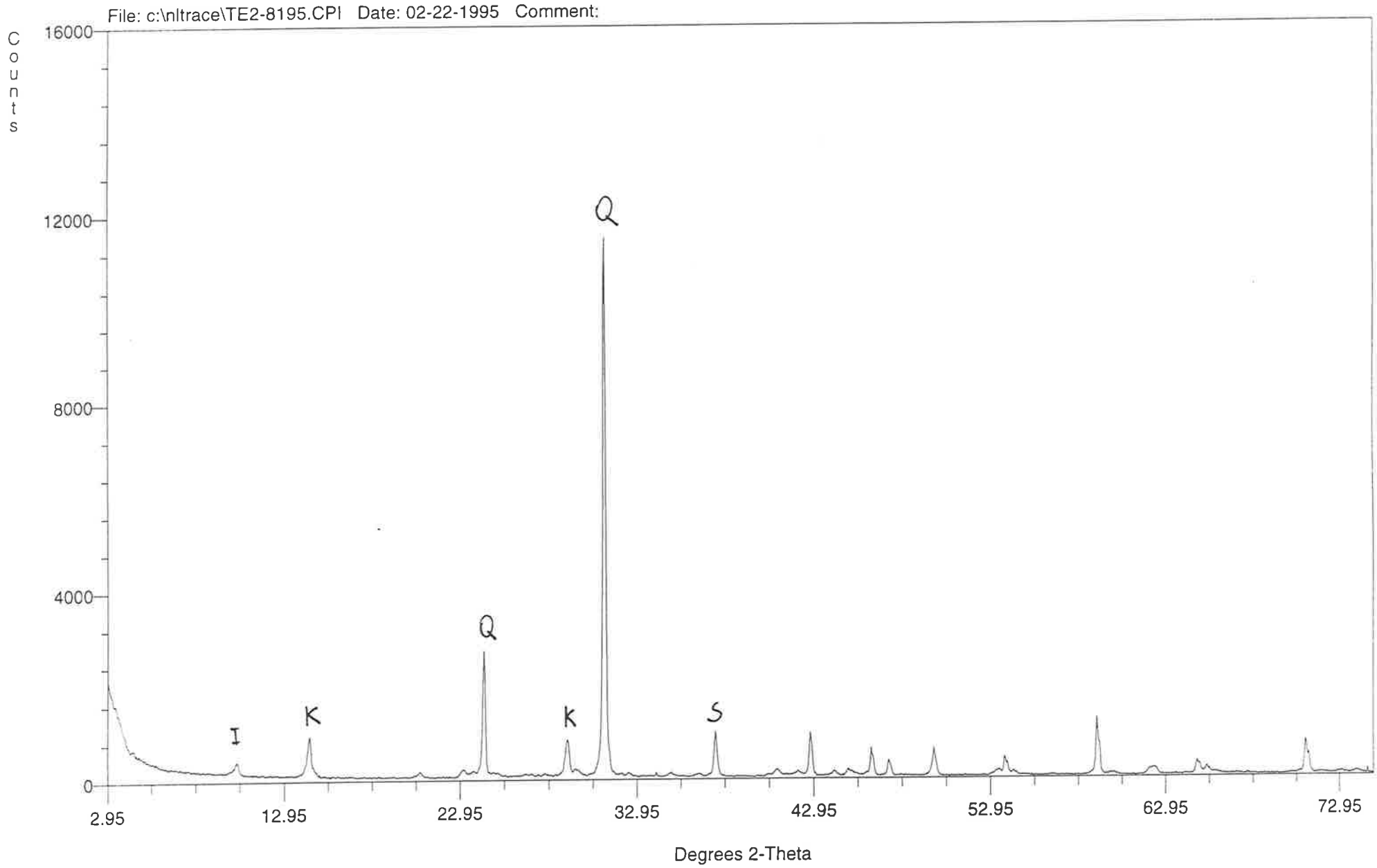
Degrees 2-Theta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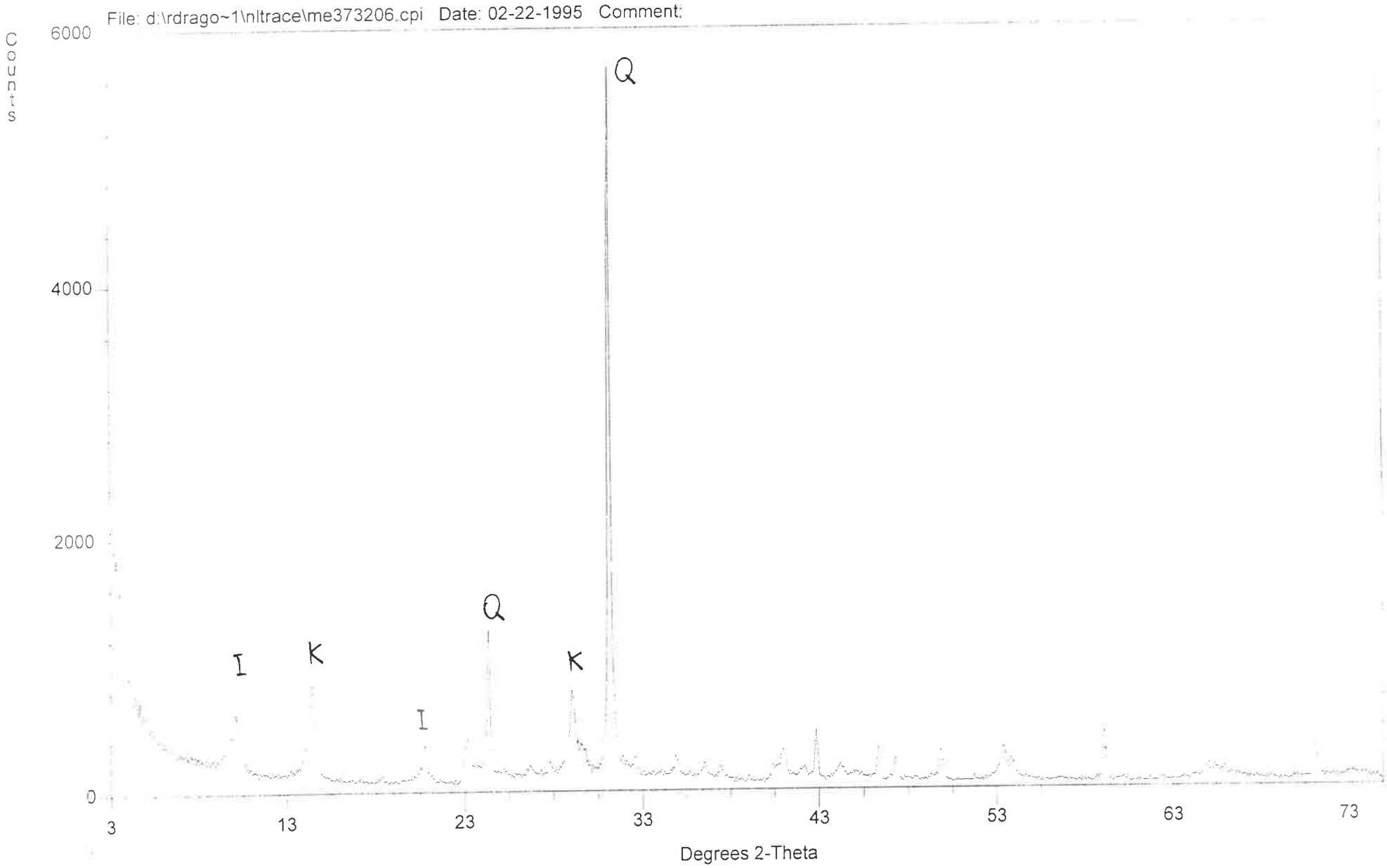
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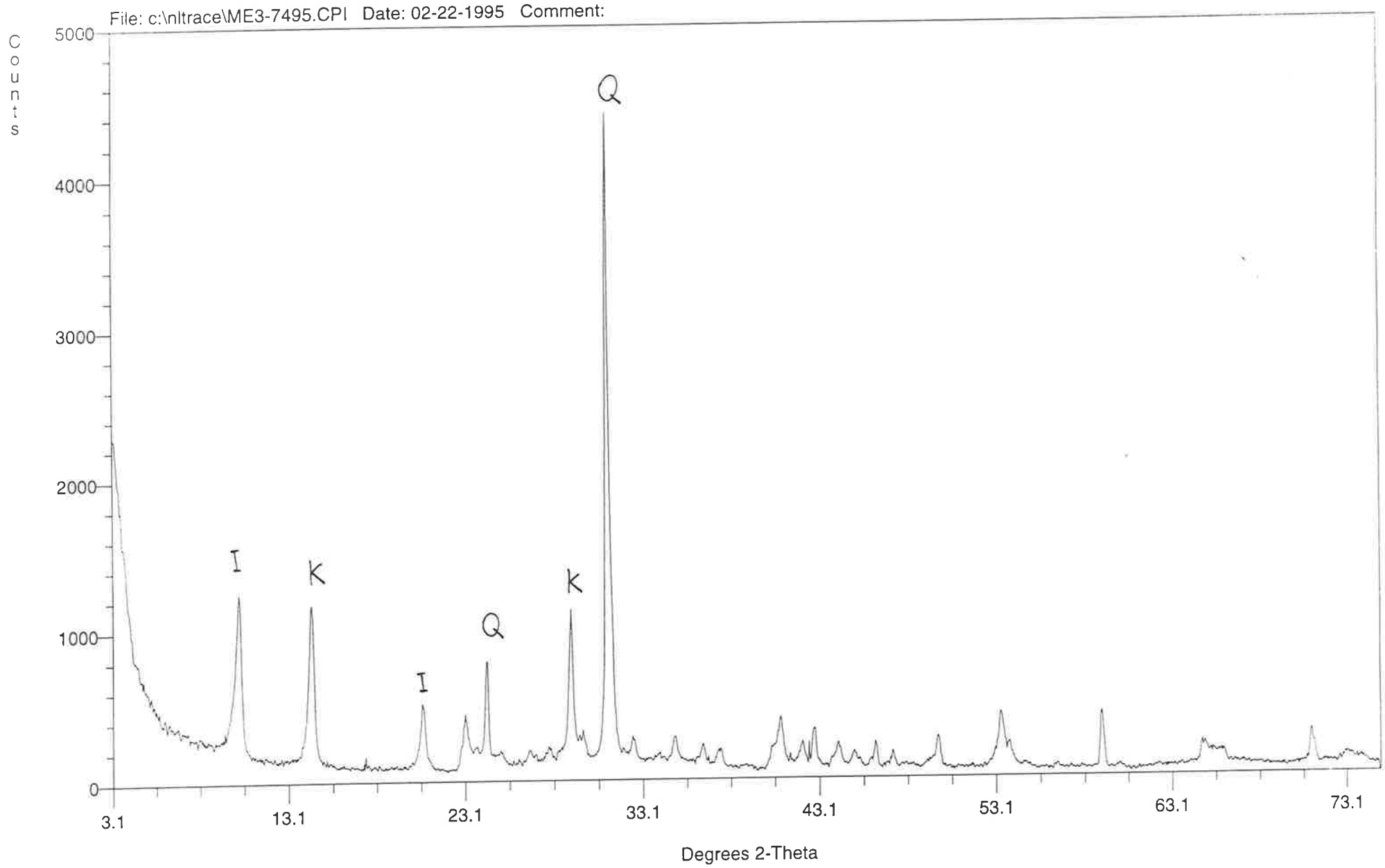
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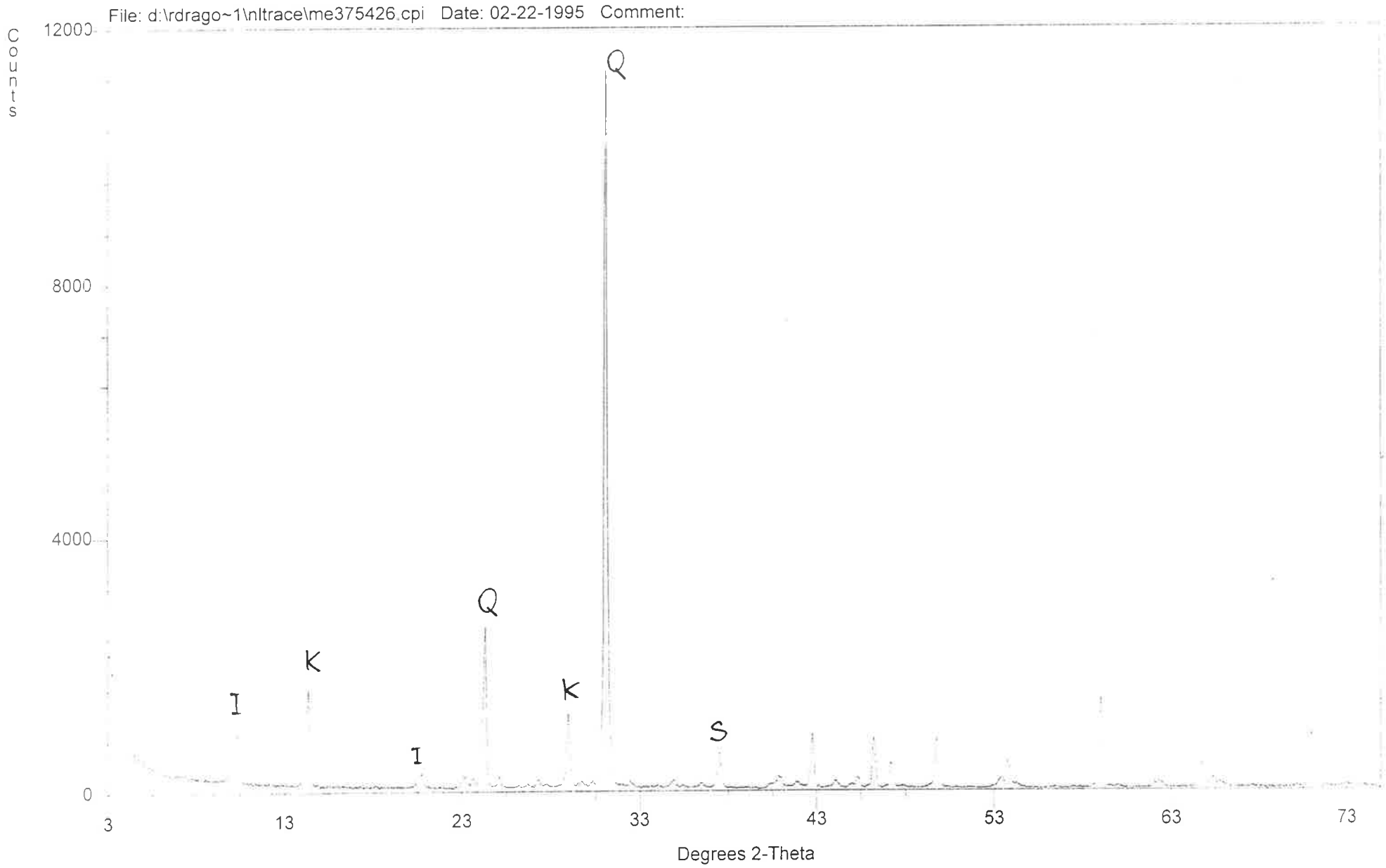
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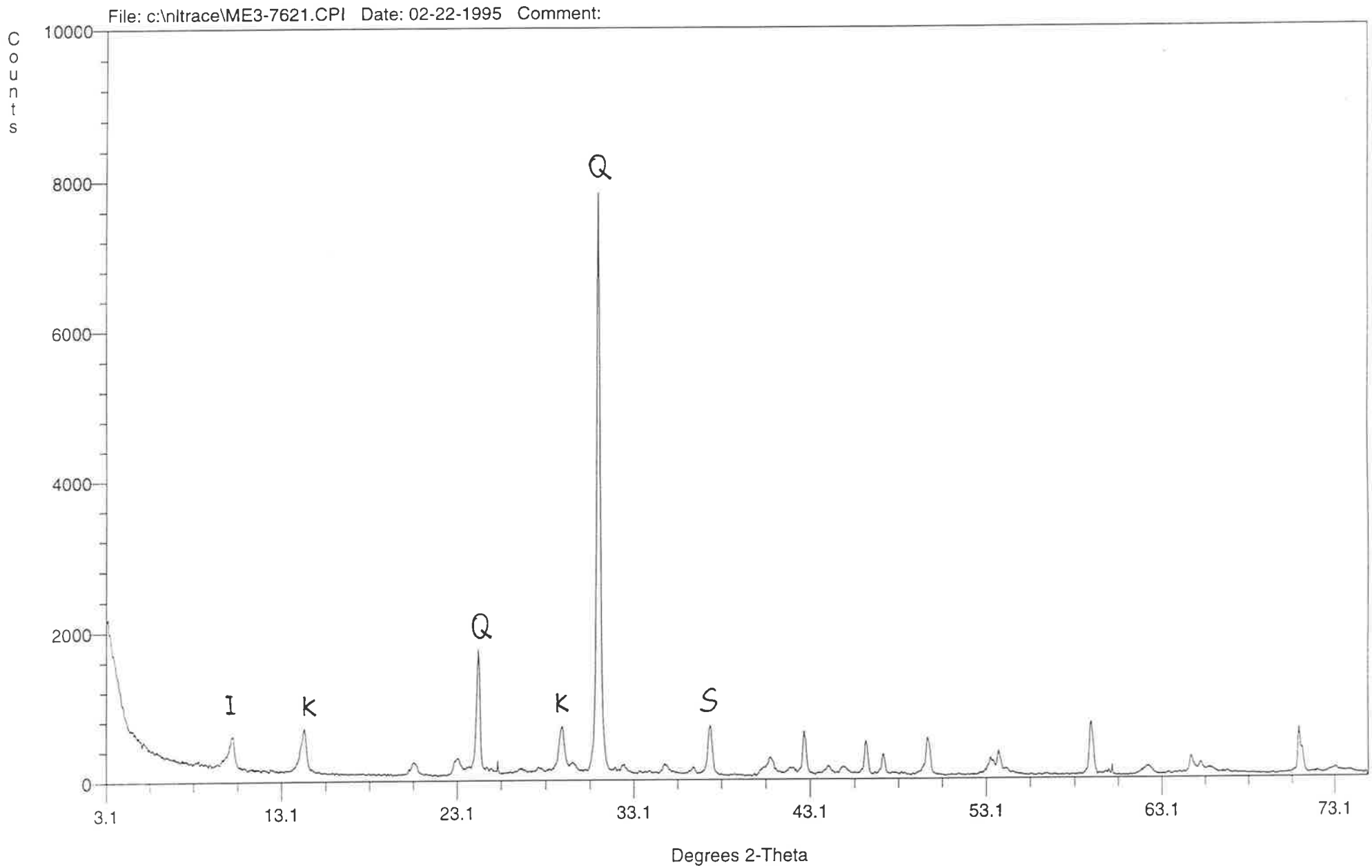
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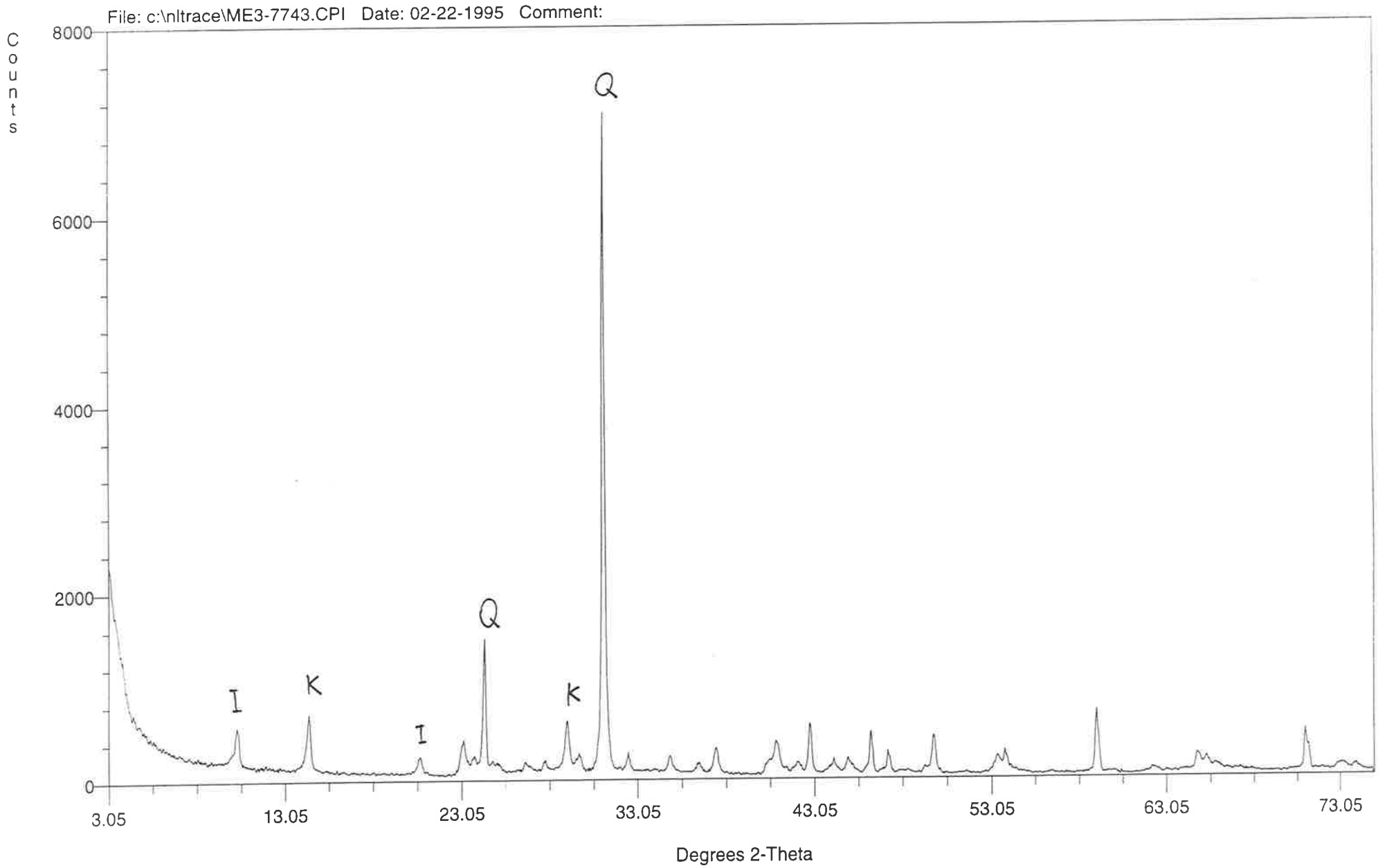
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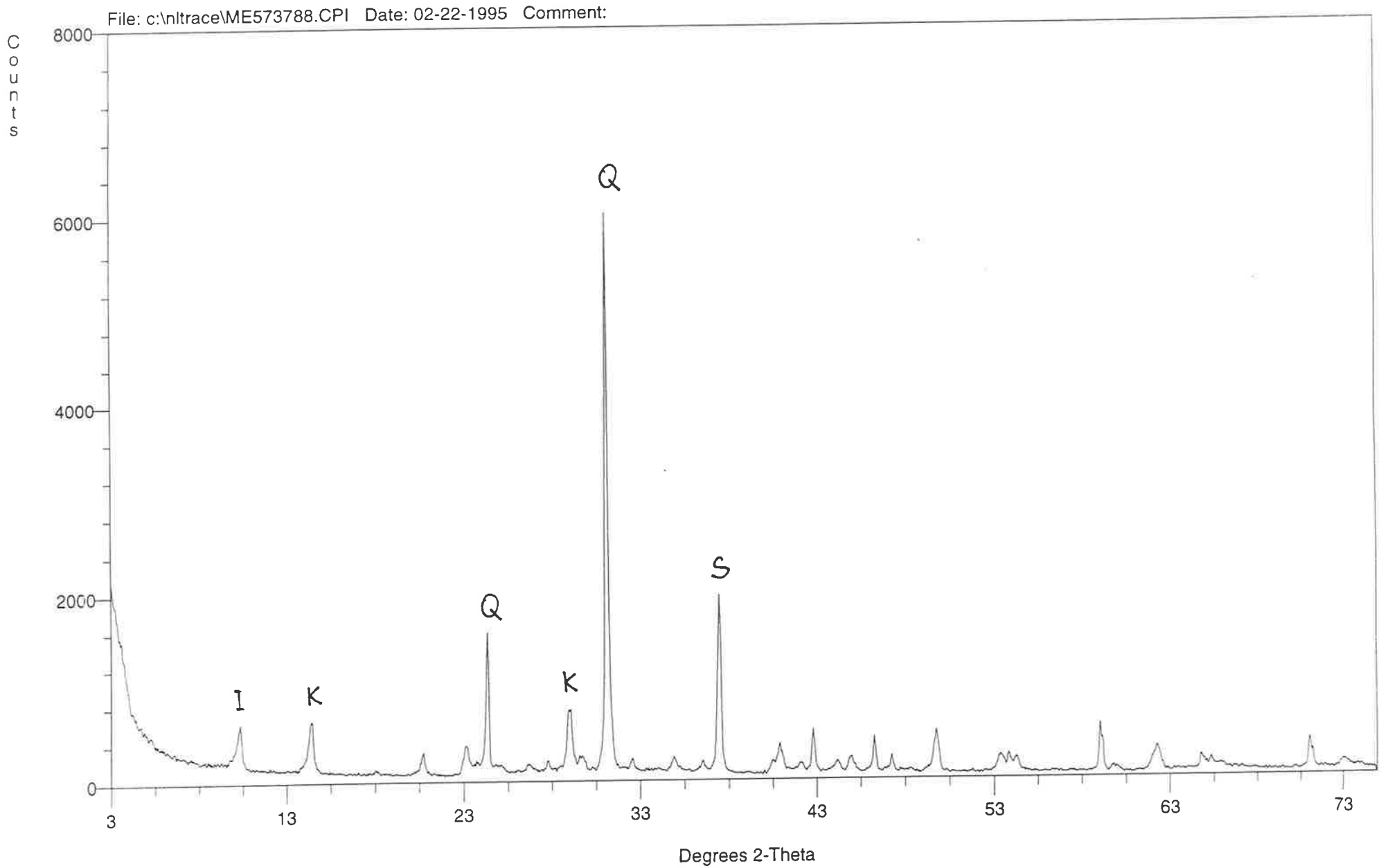
Degrees 2-Theta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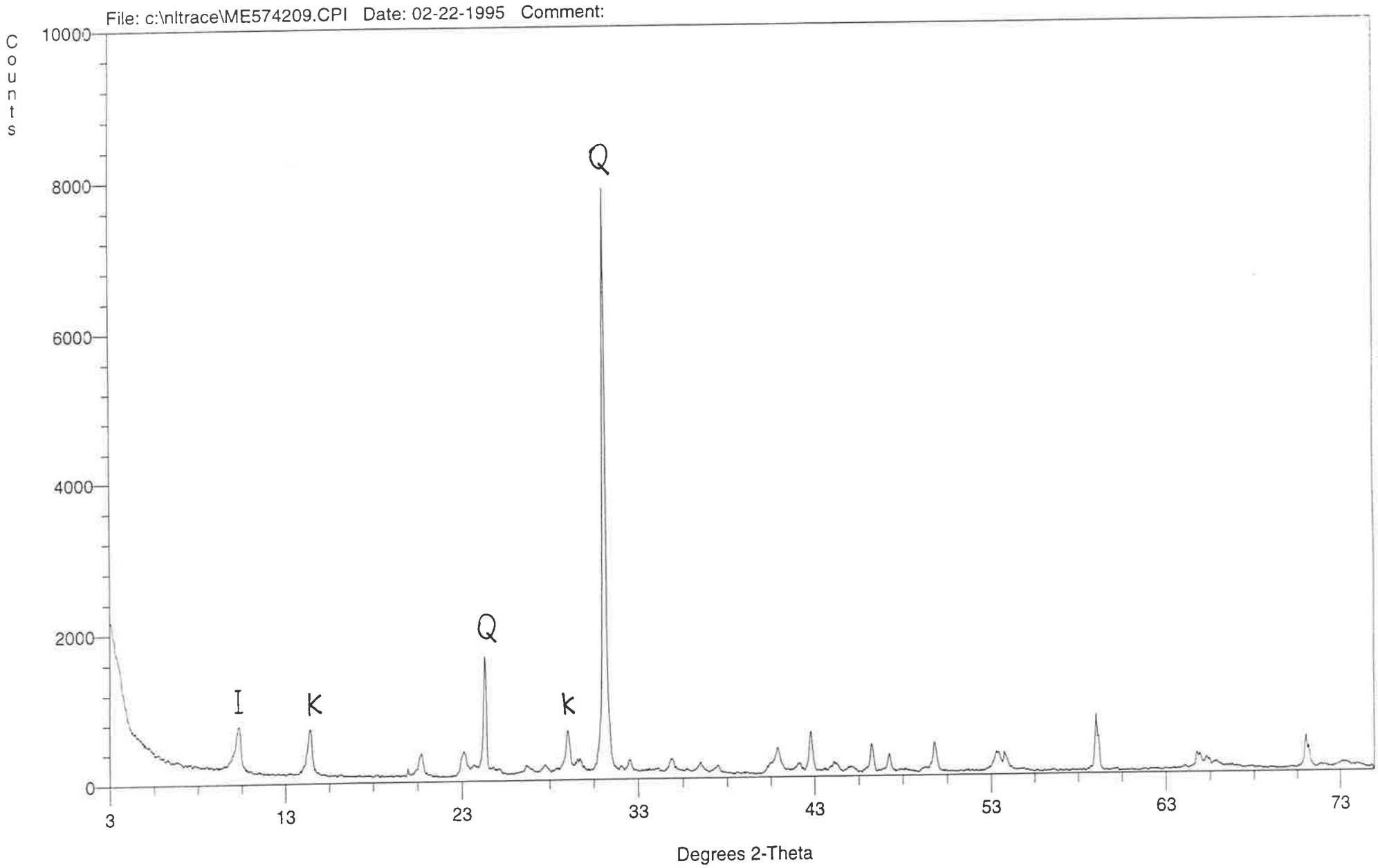
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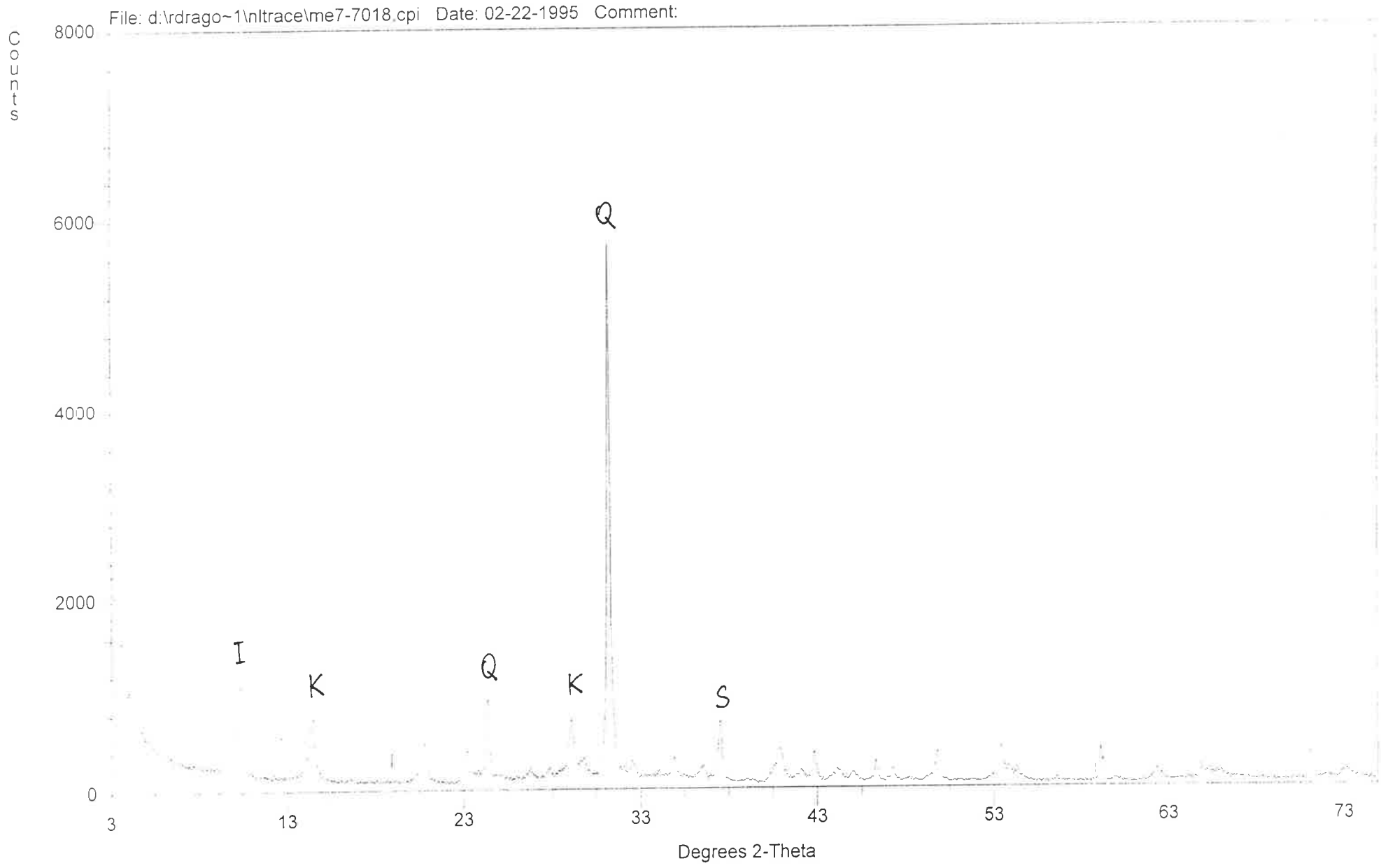
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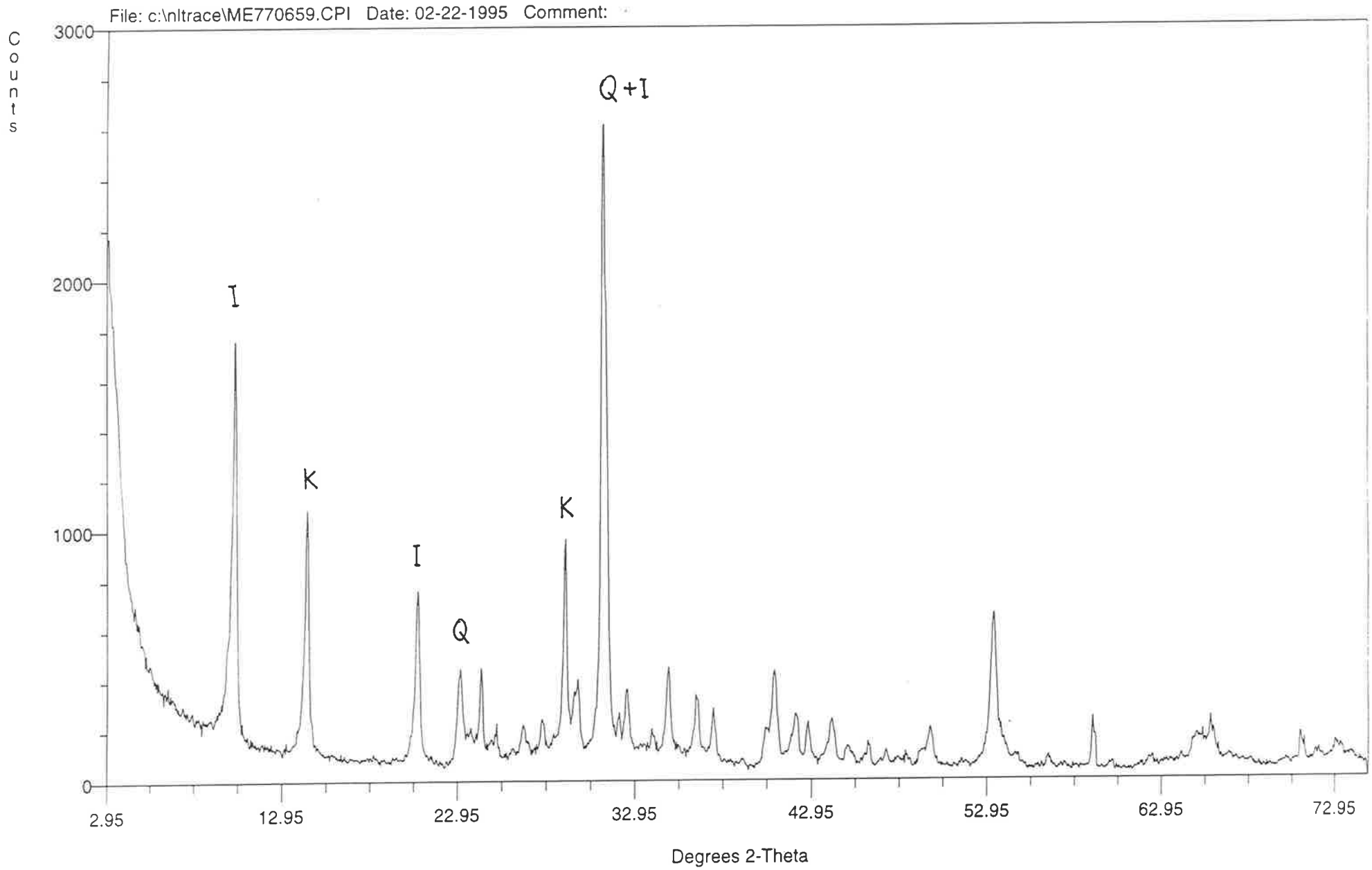
Degrees 2-Theta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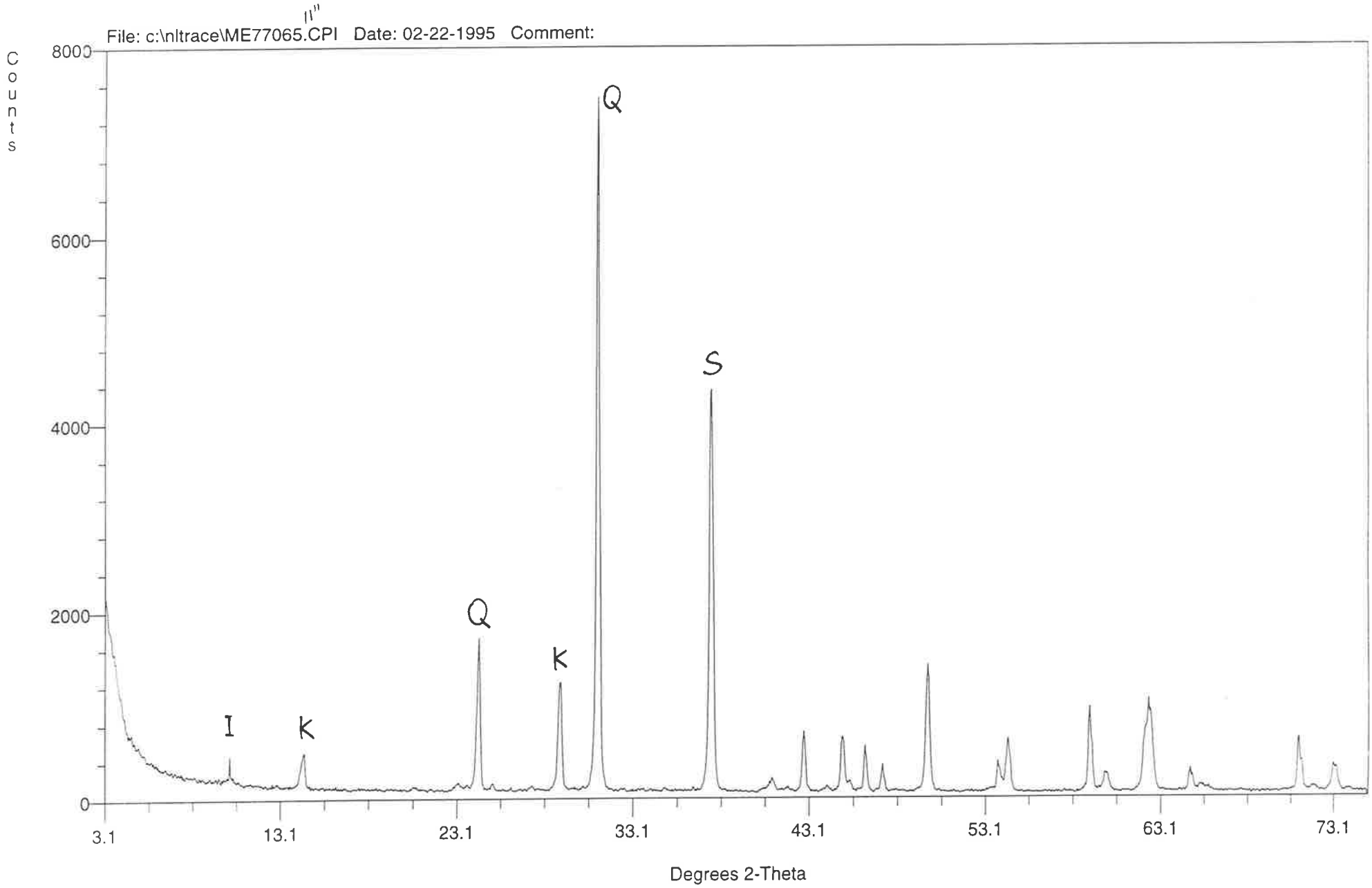
Degrees 2-Theta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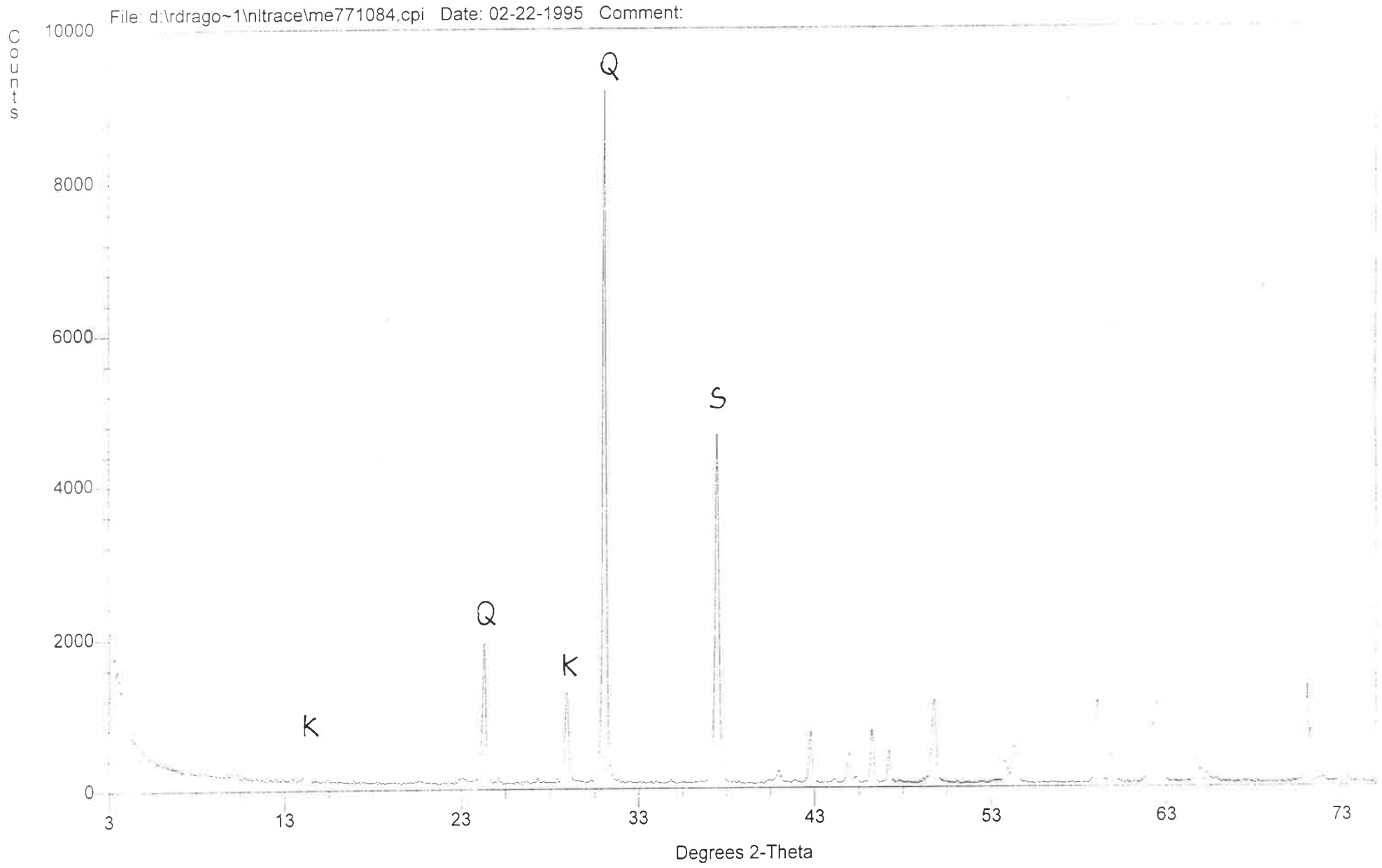
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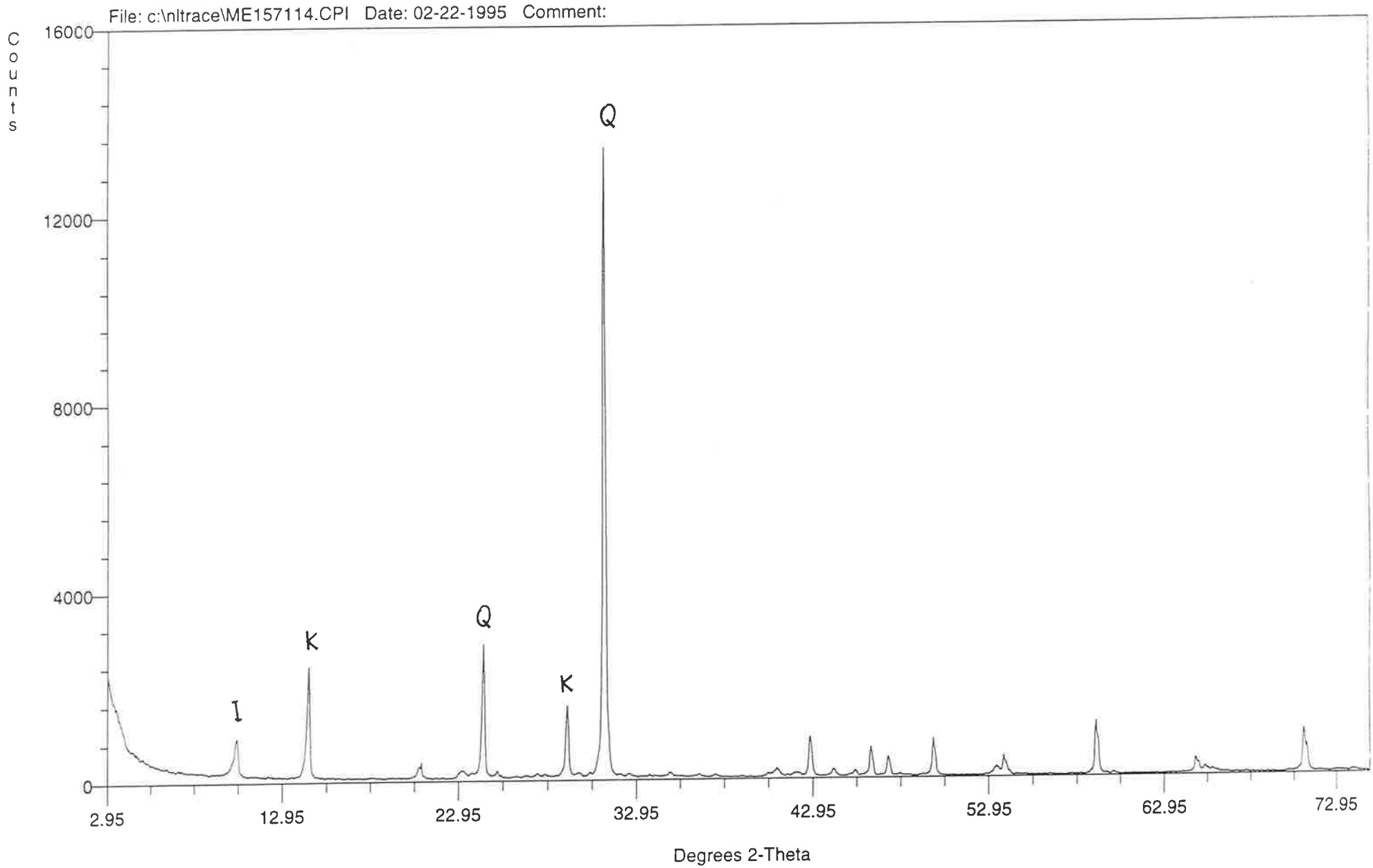
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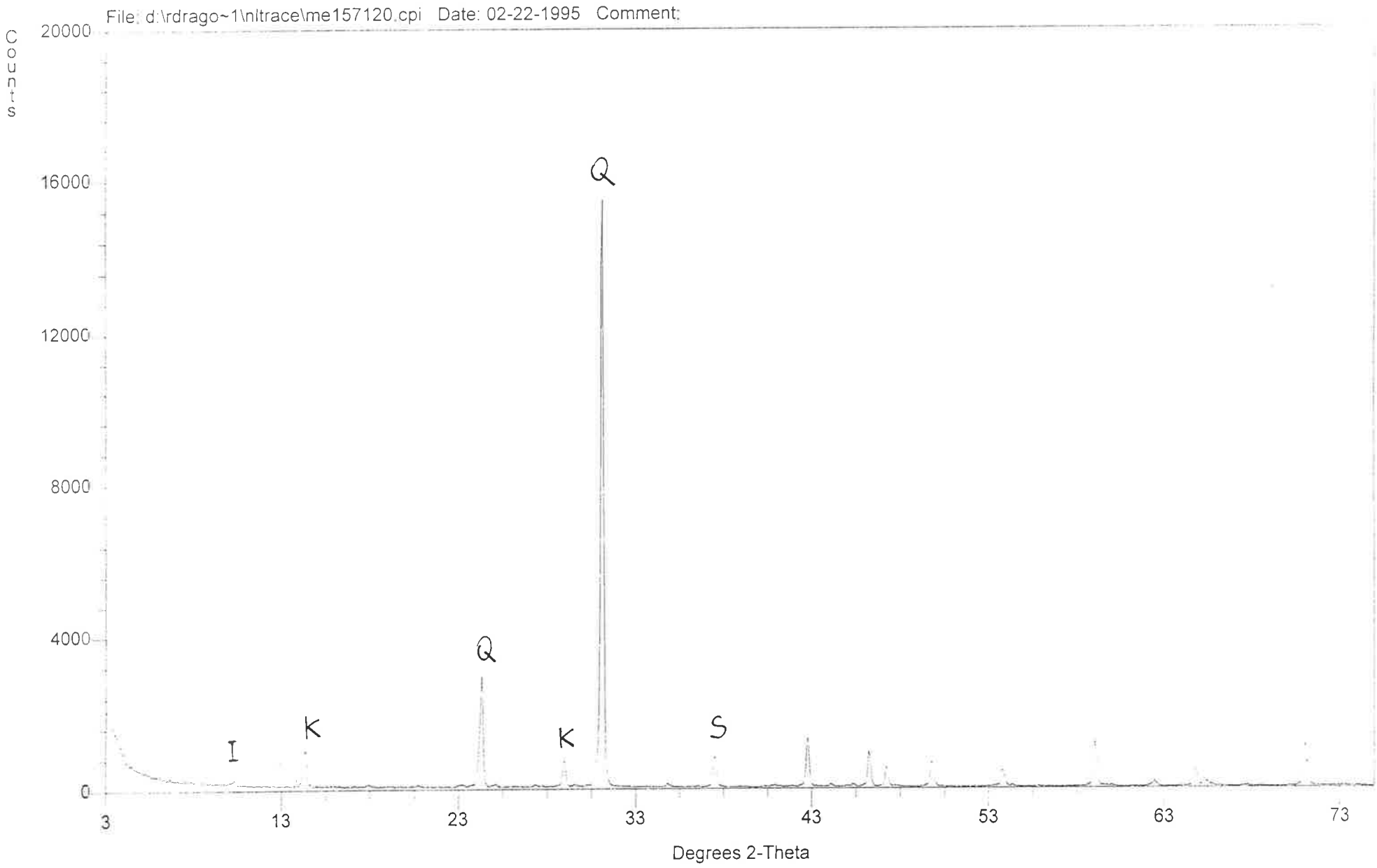
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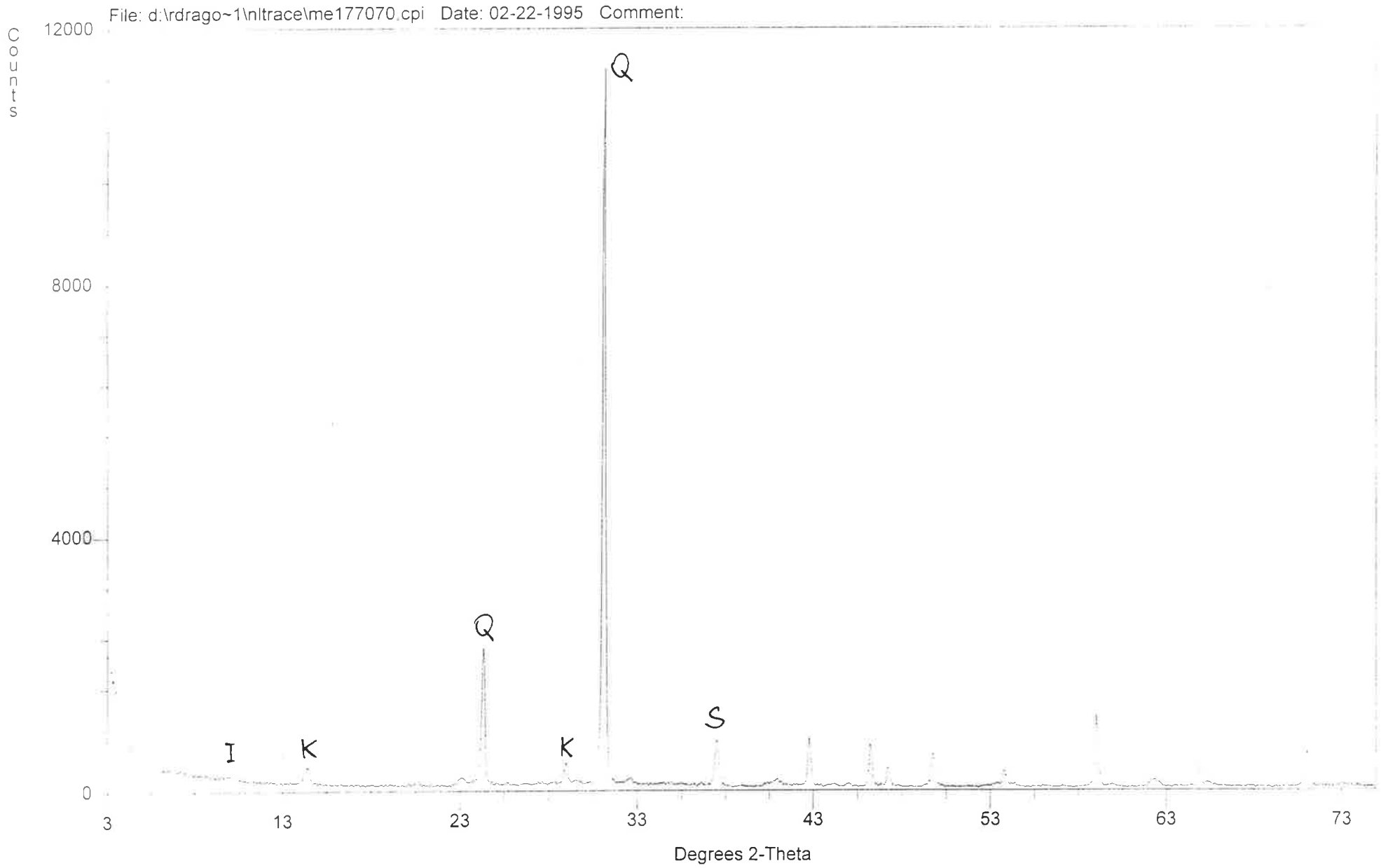
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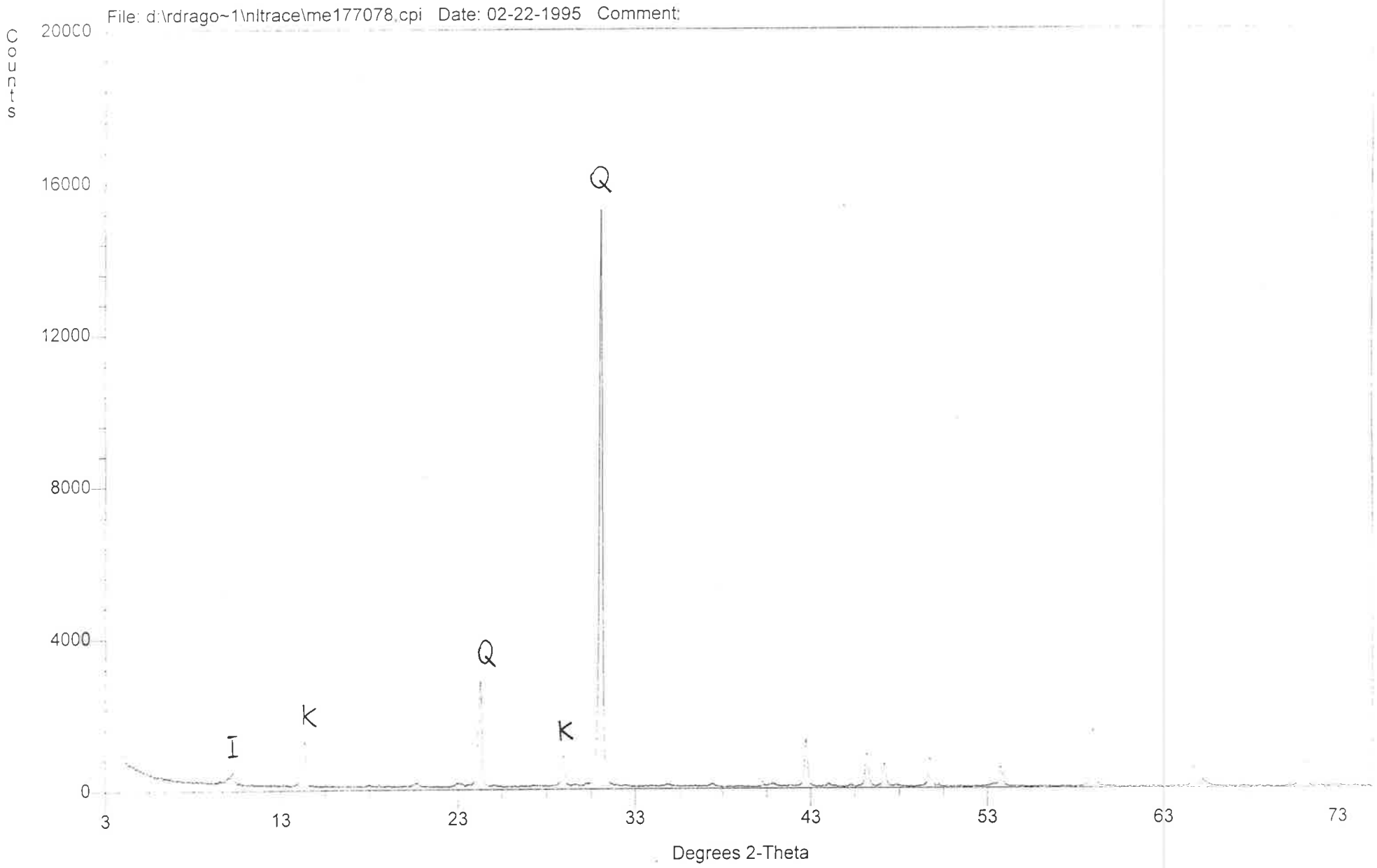
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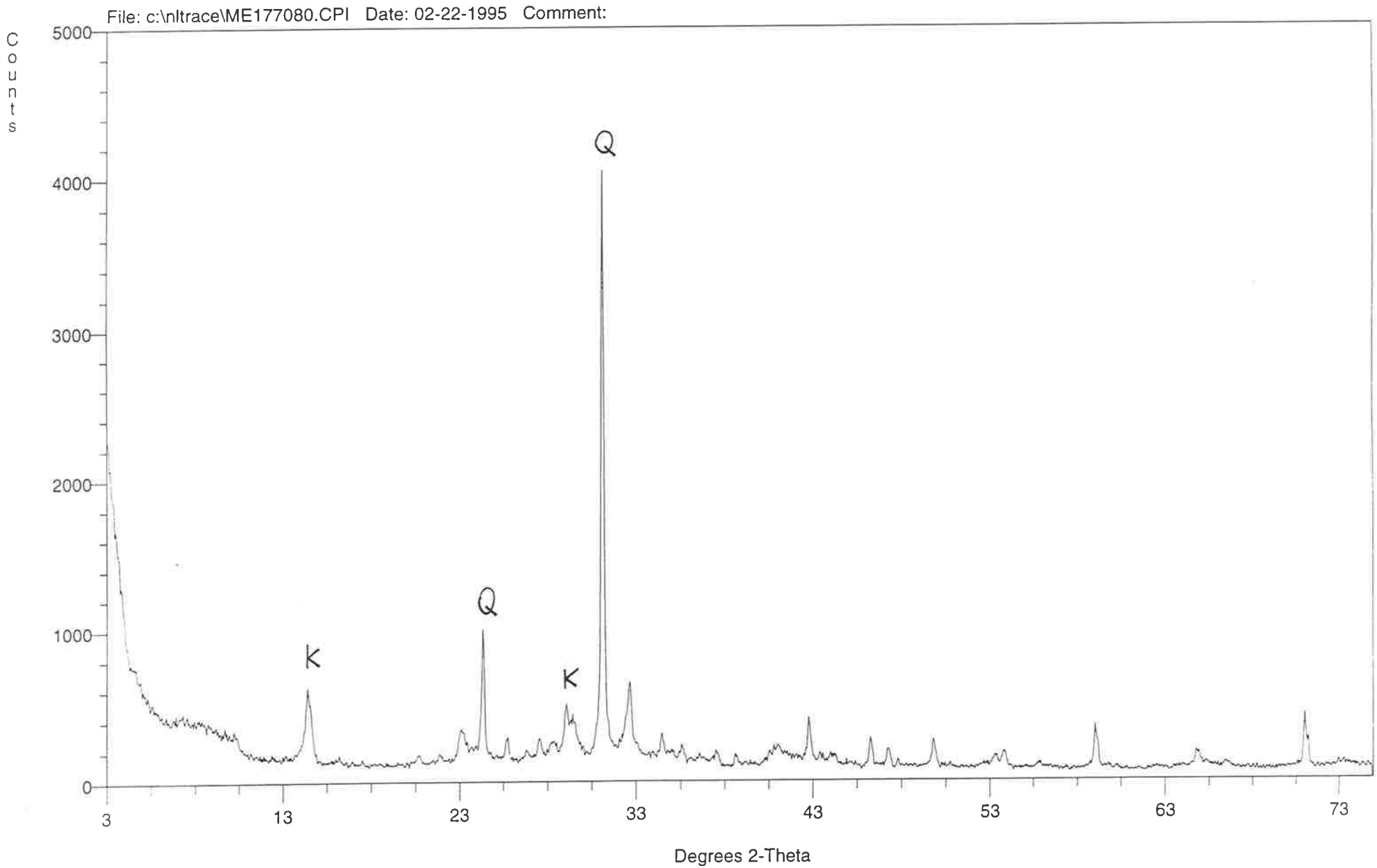
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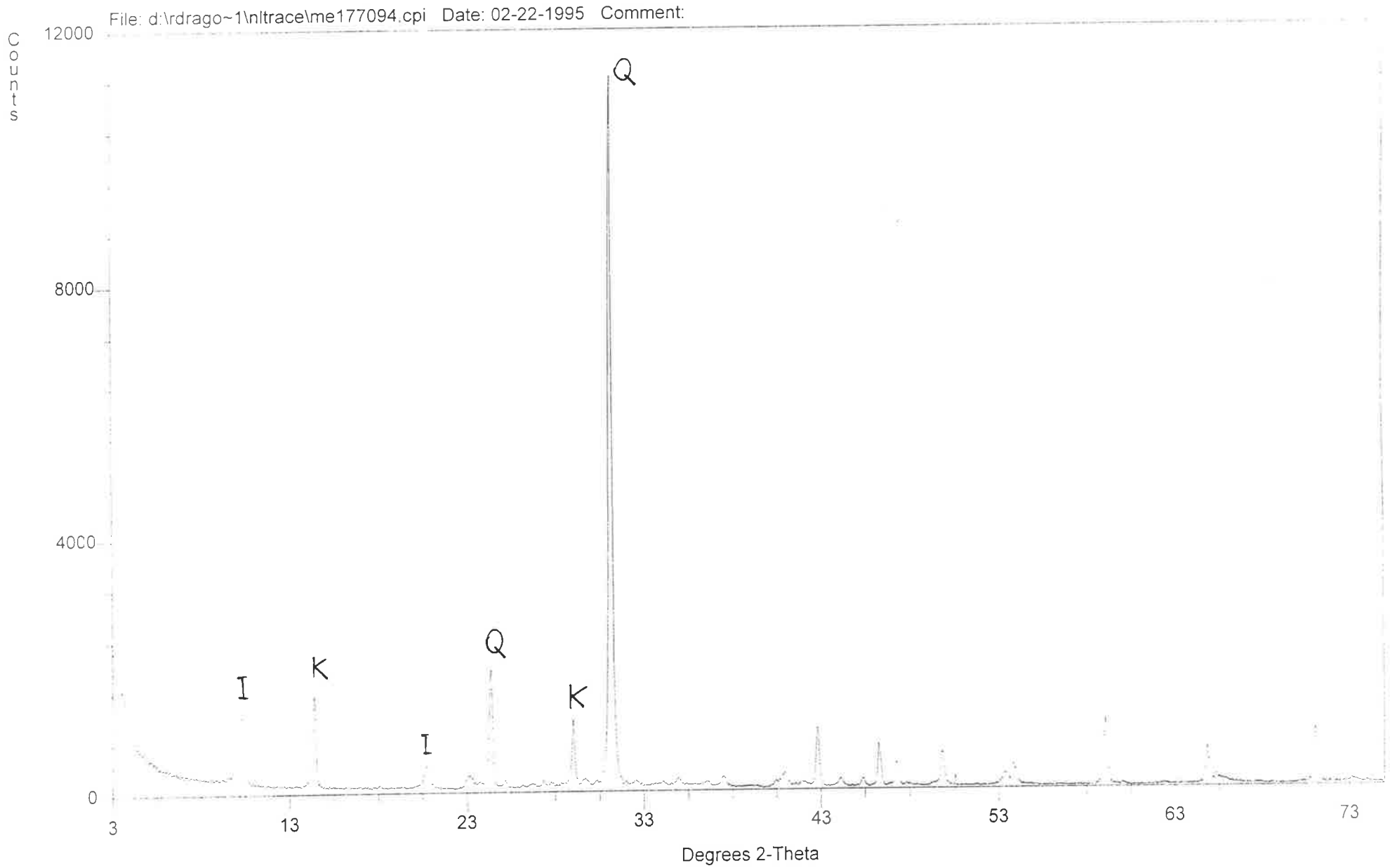
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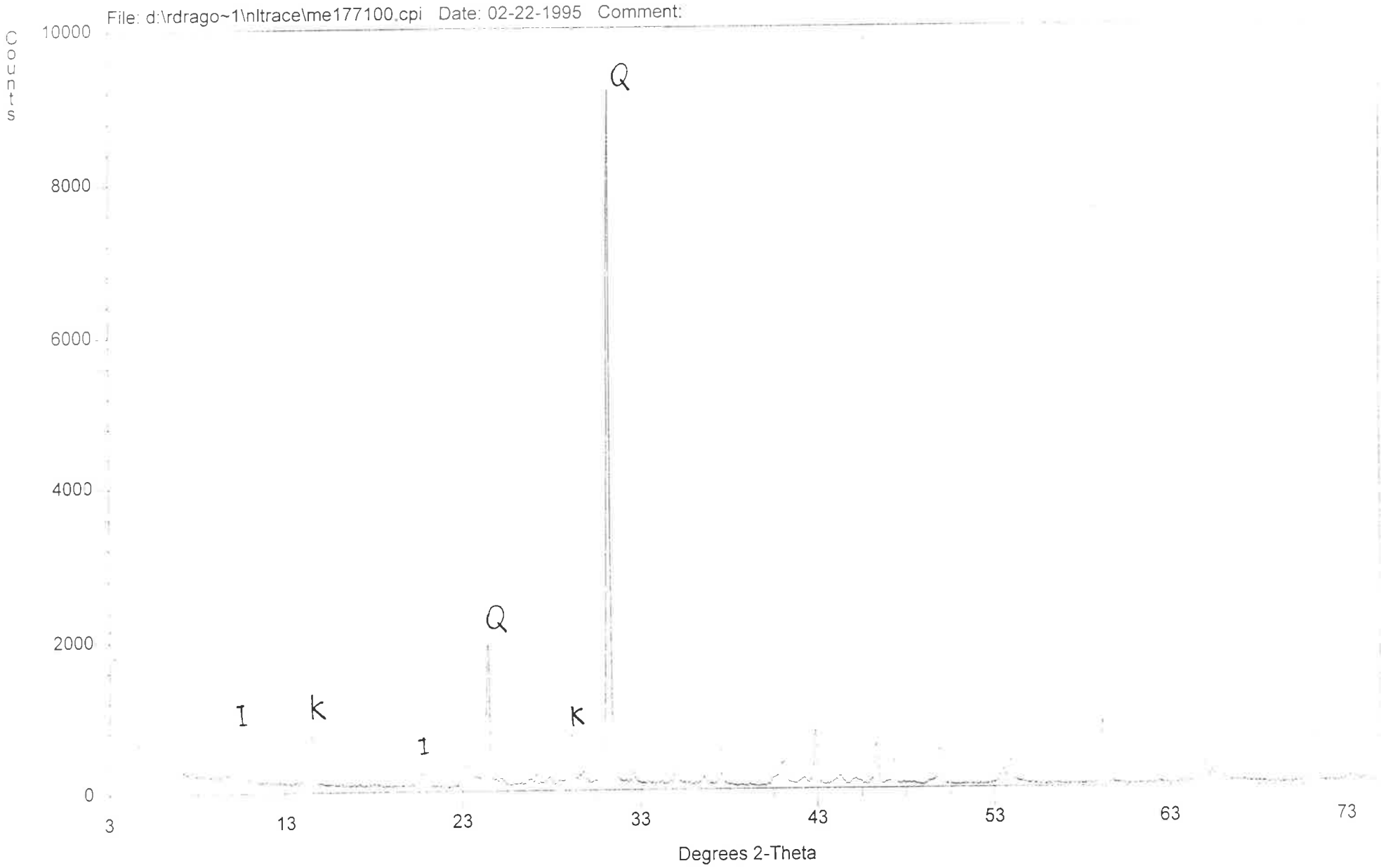
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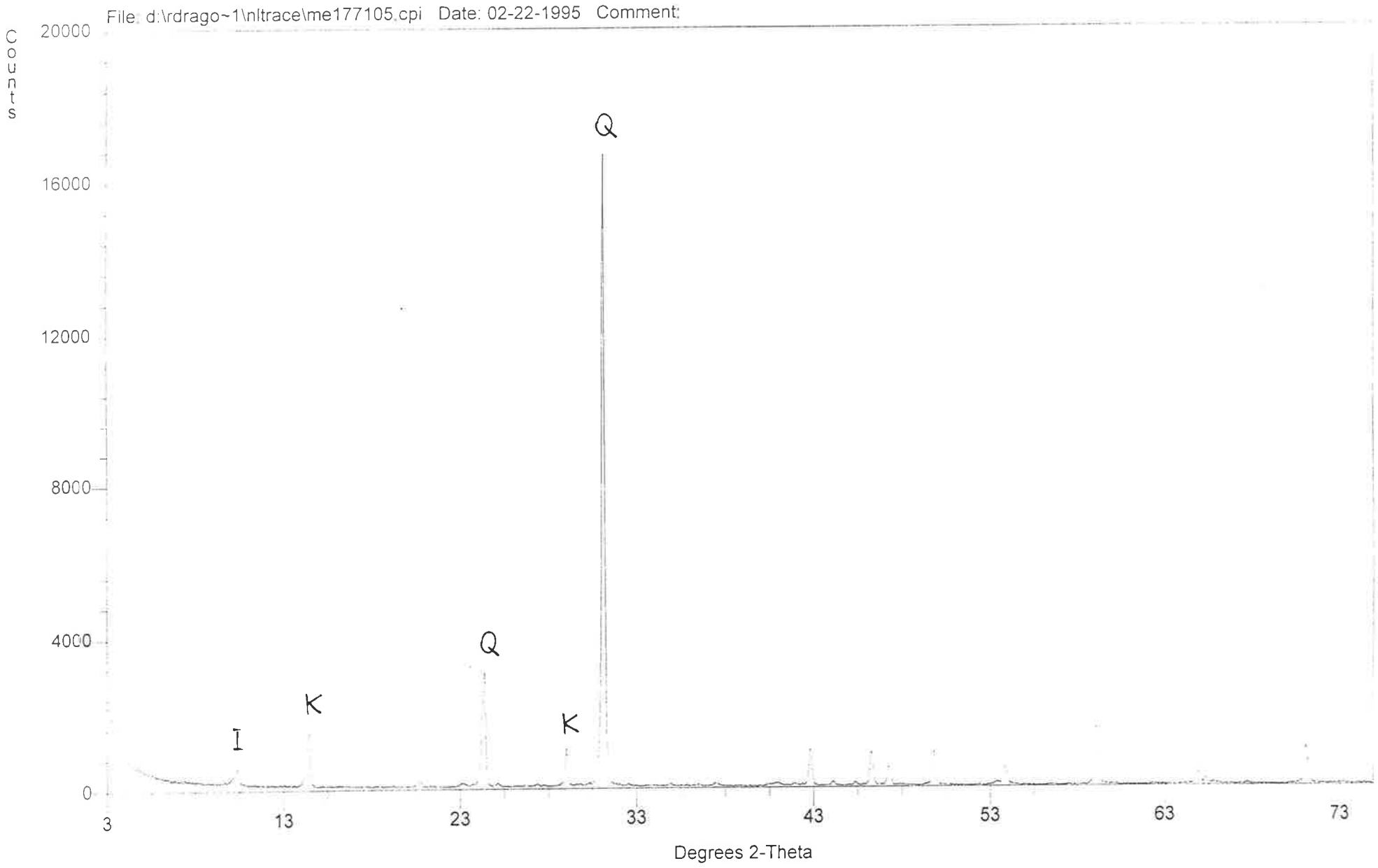
Degrees 2-Theta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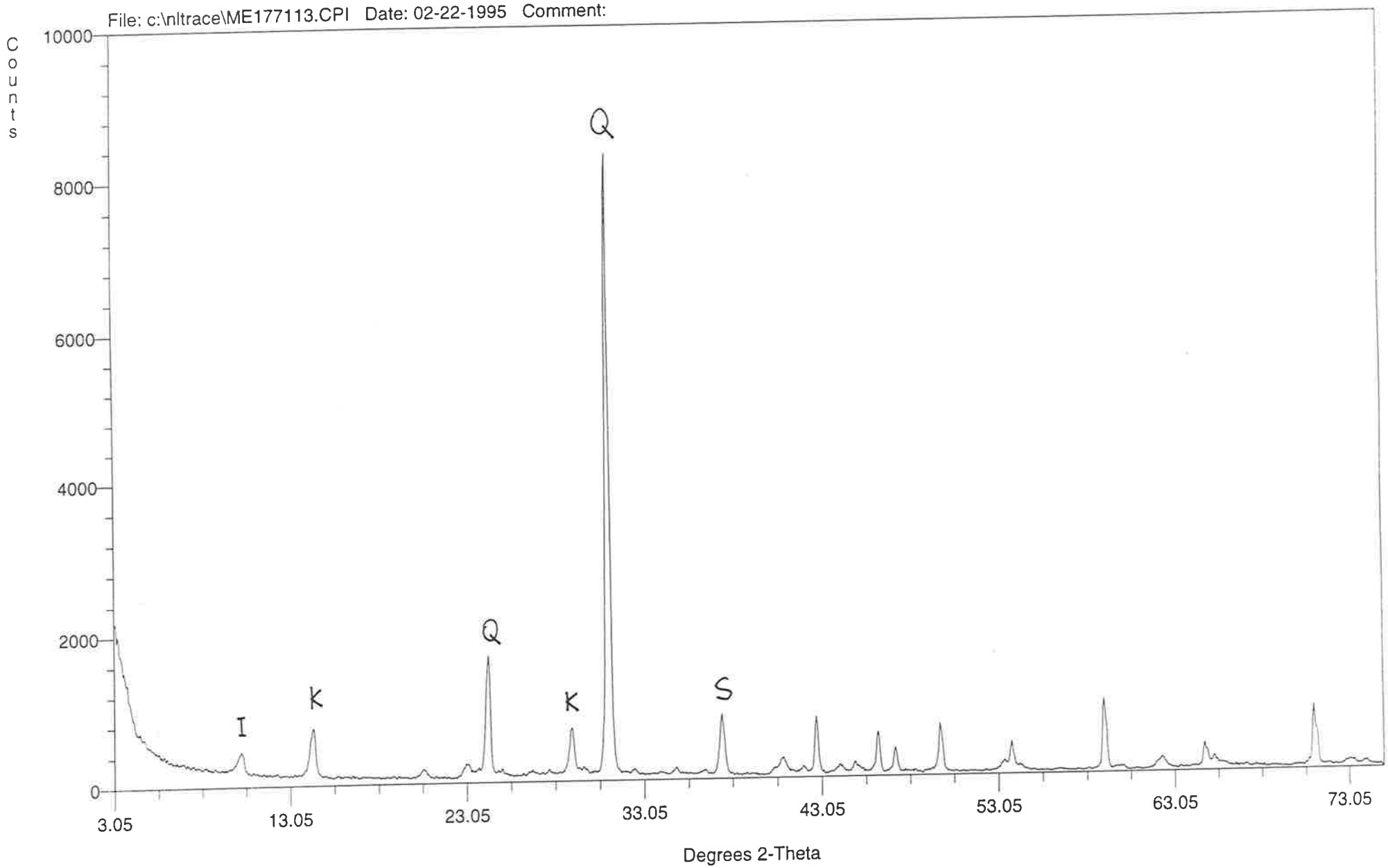
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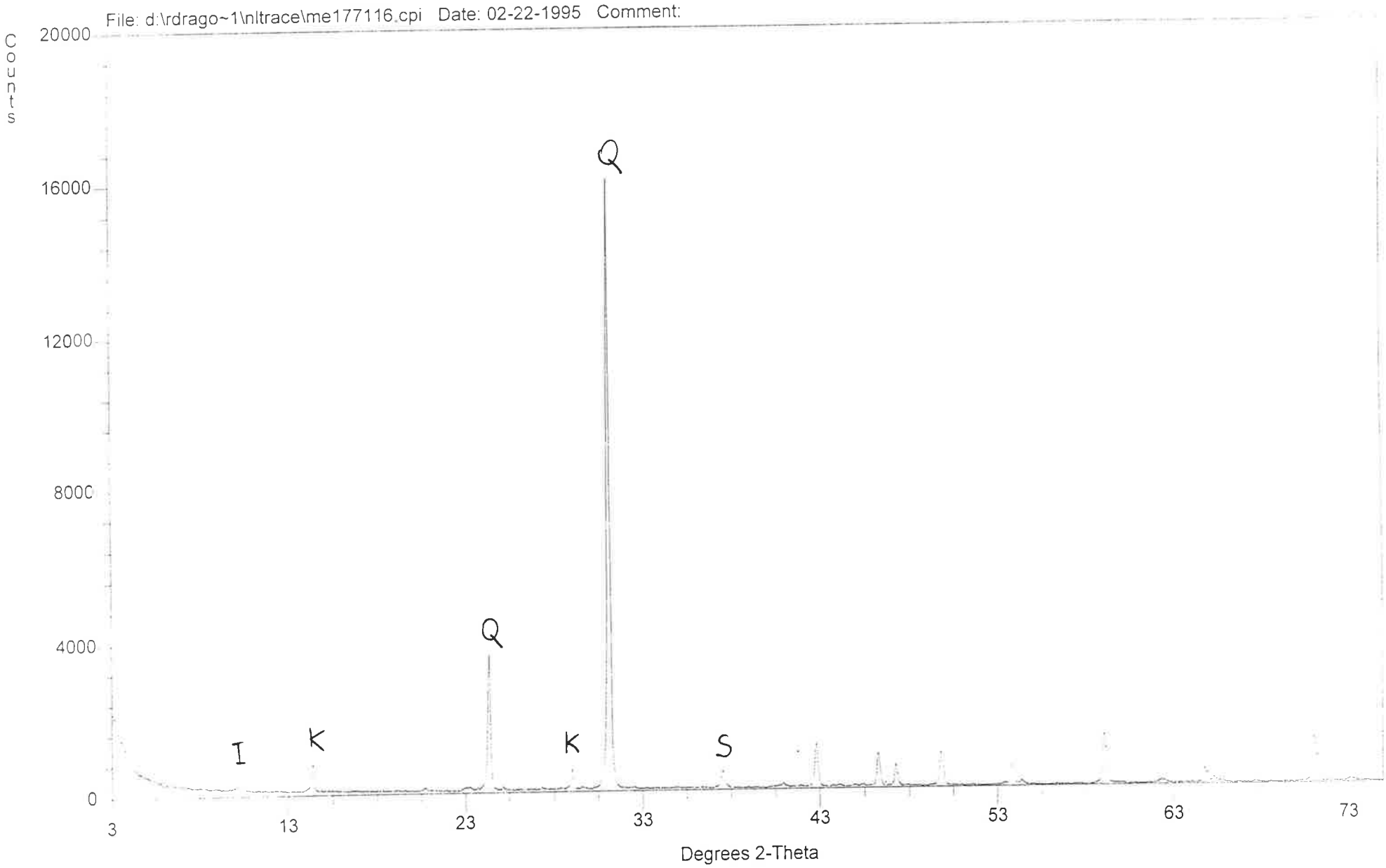
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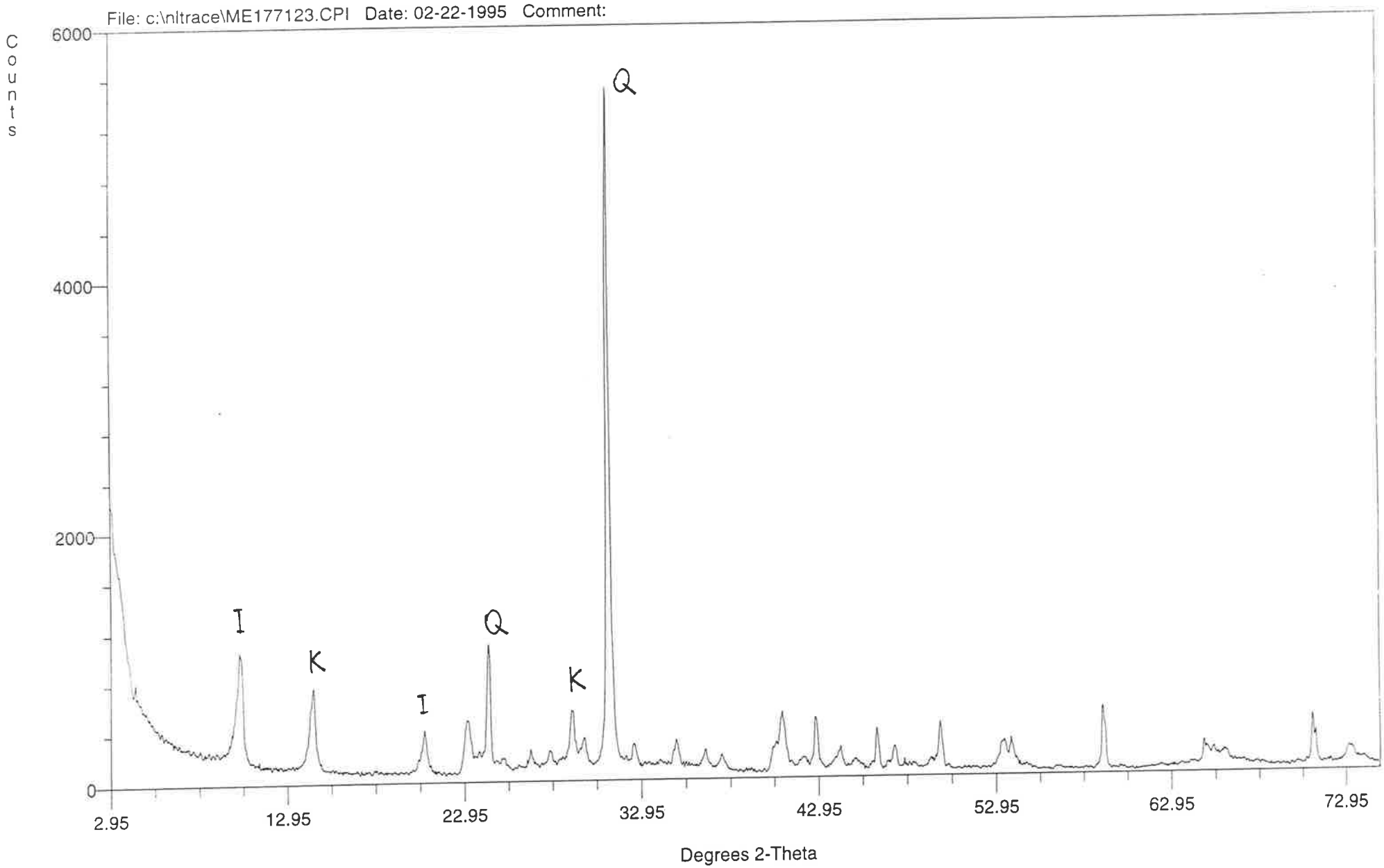
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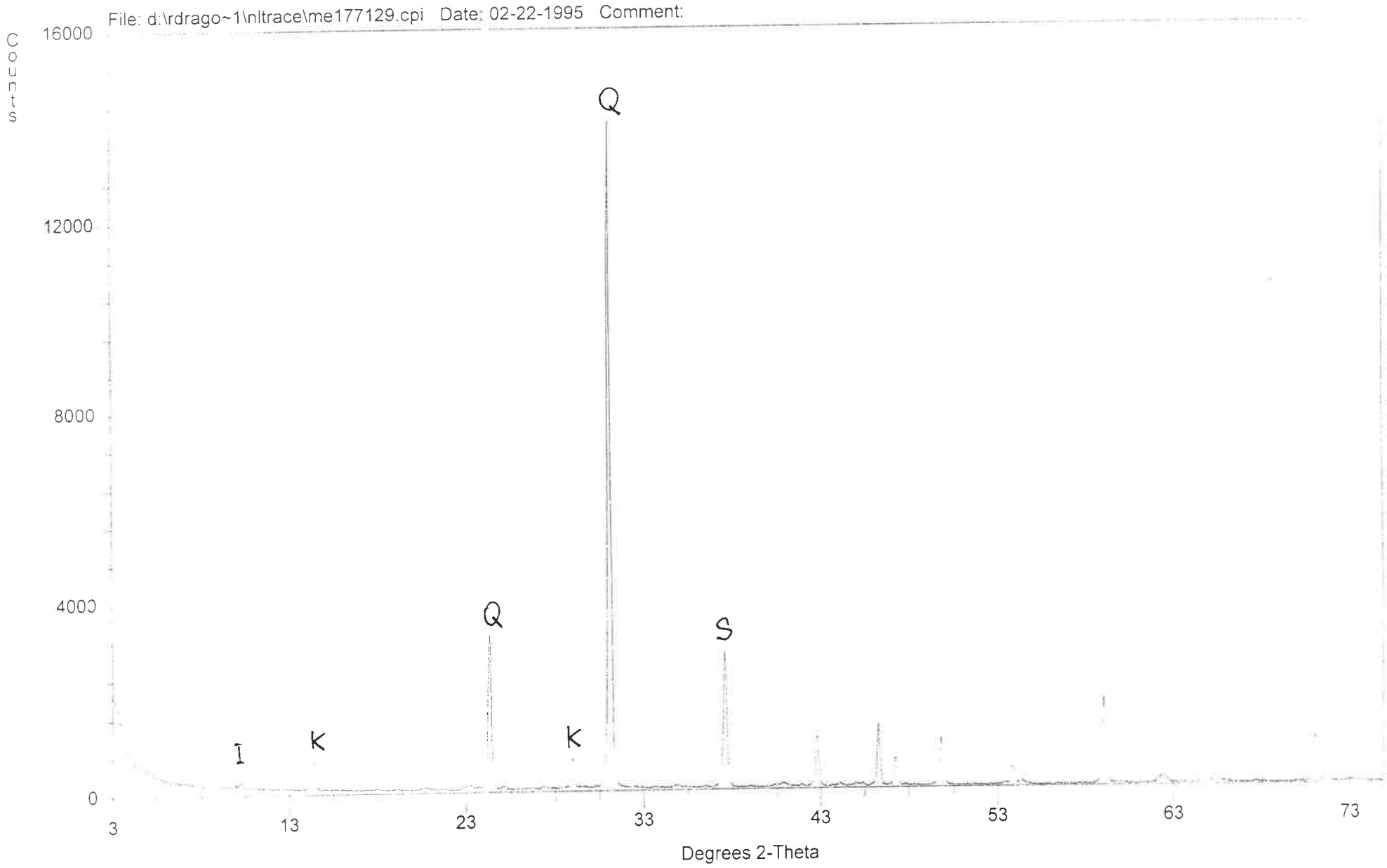
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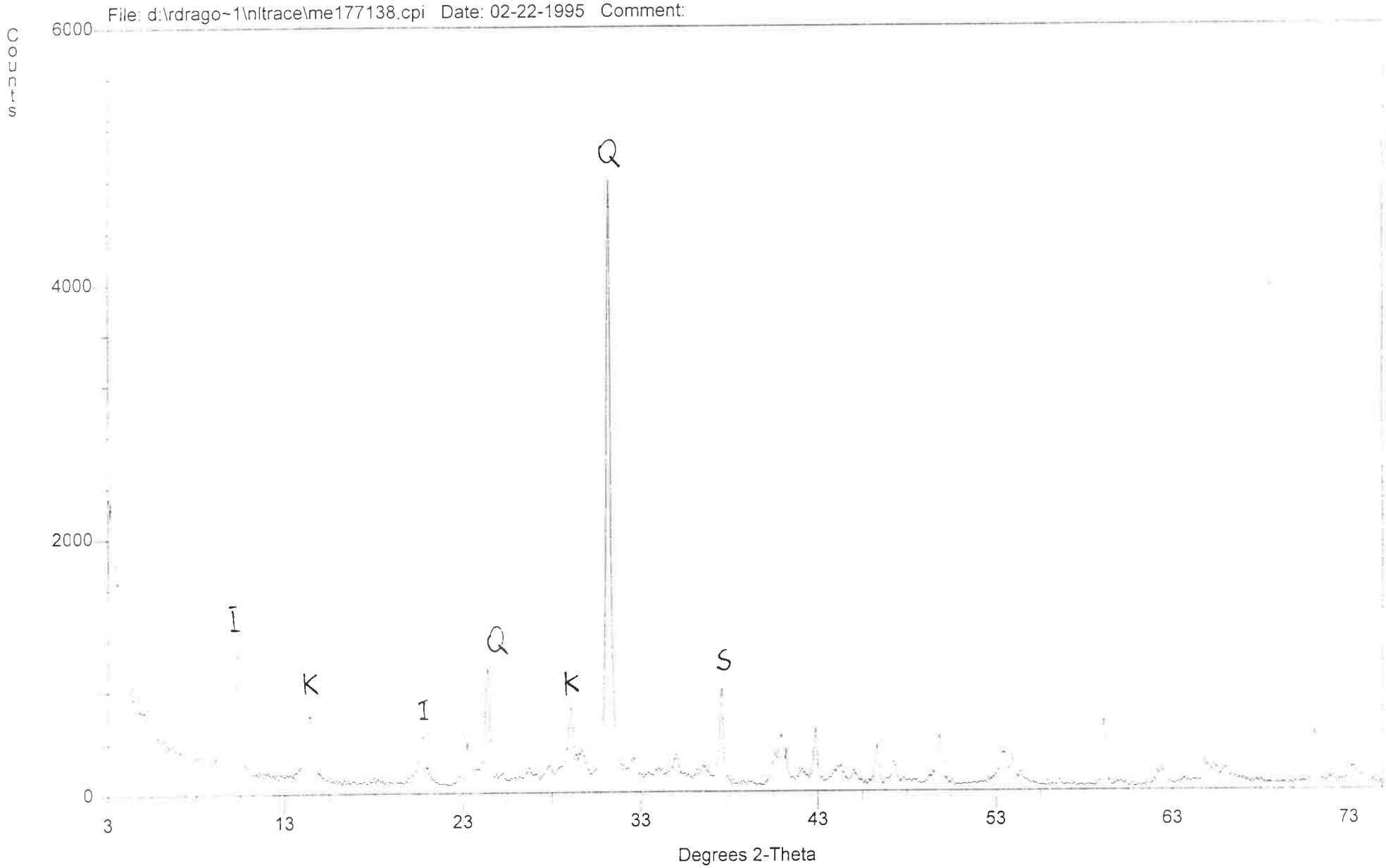
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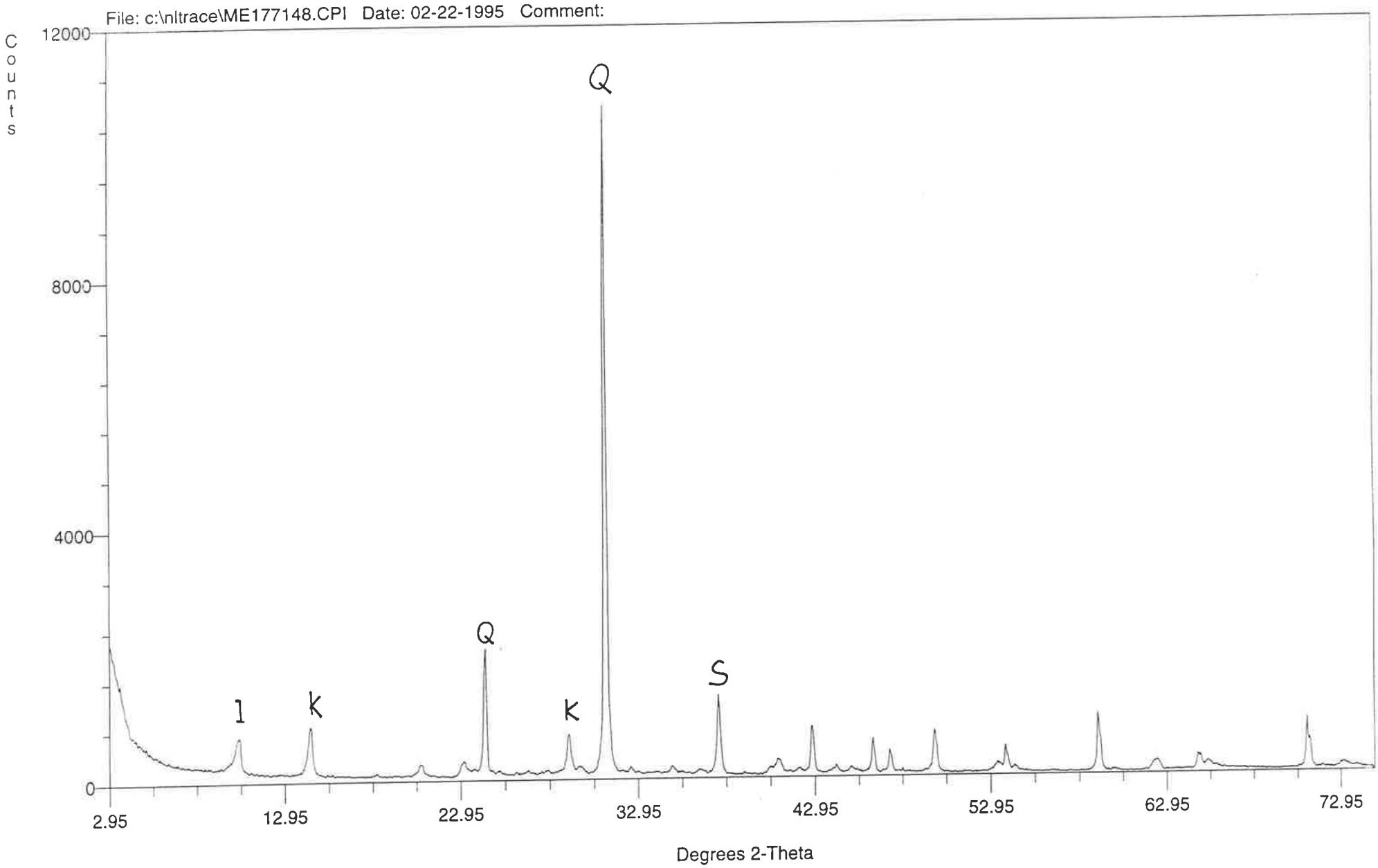
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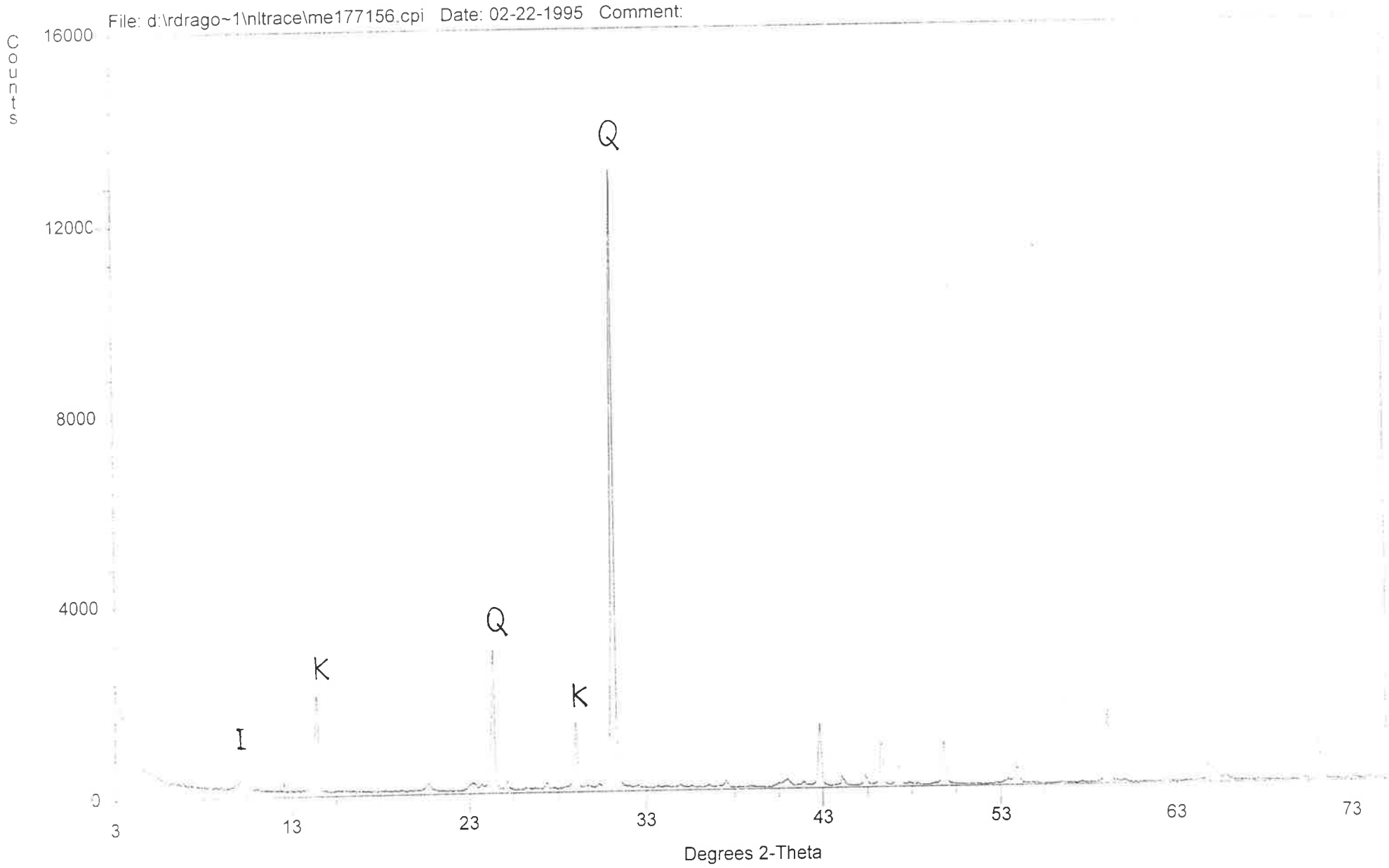
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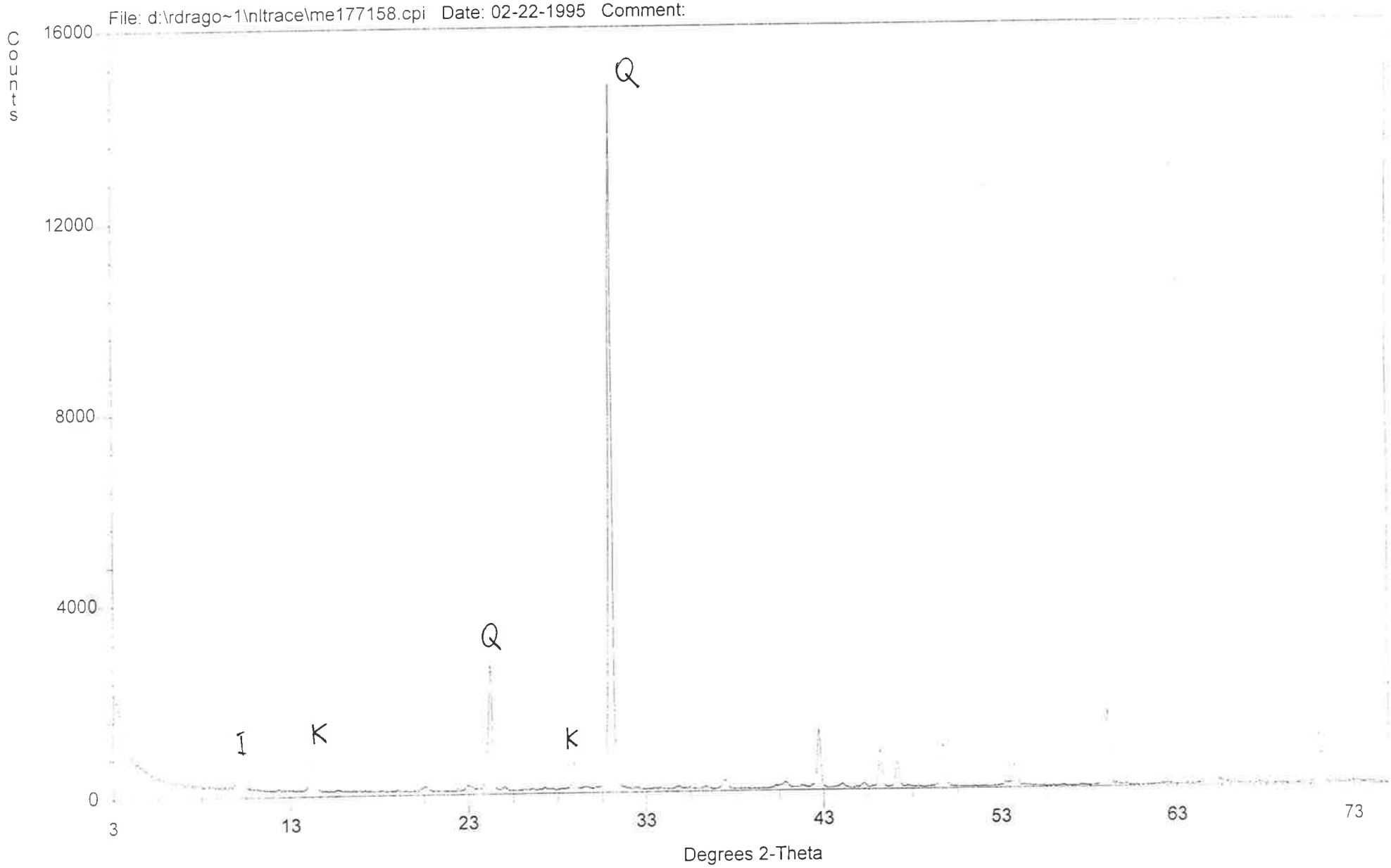
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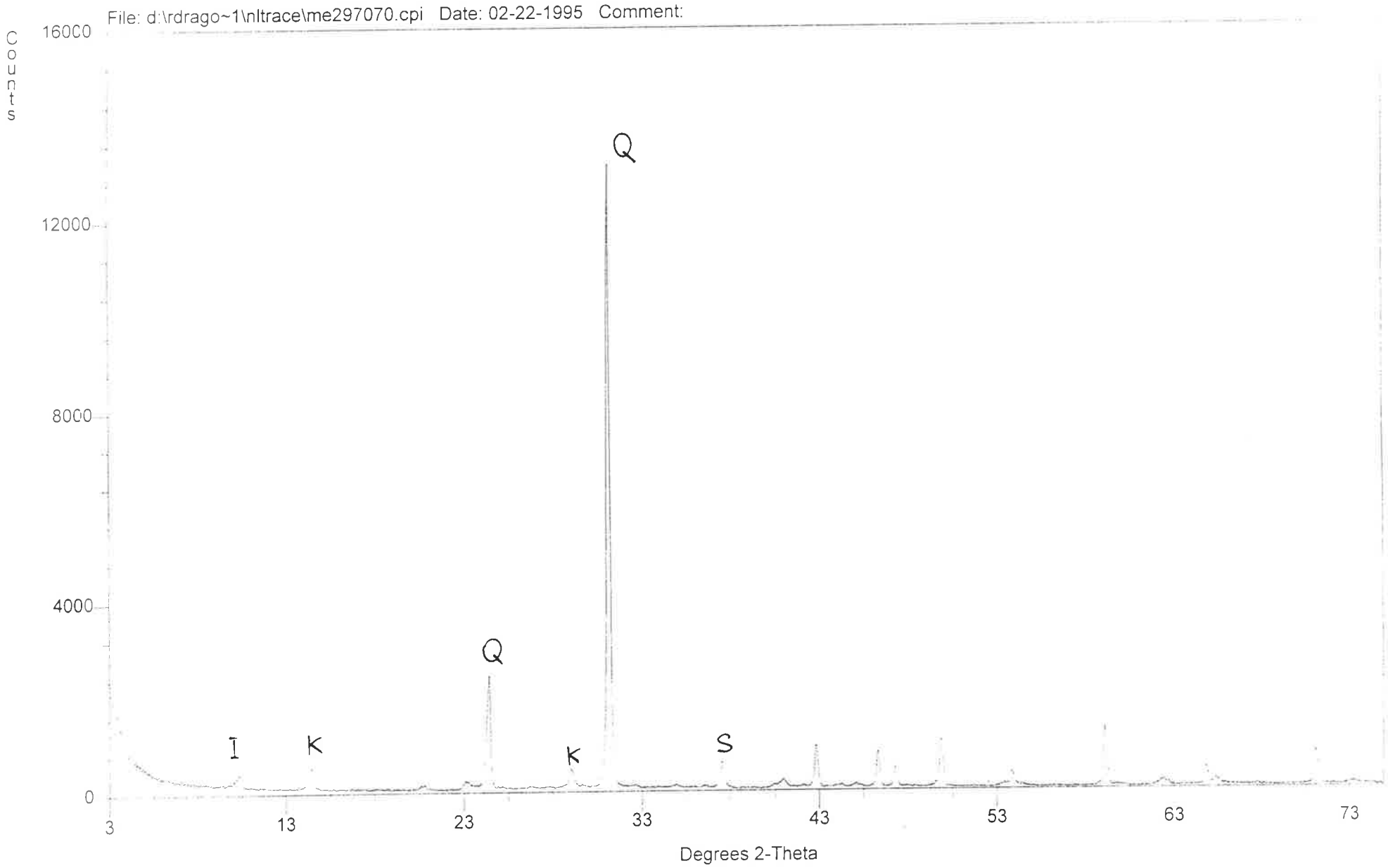
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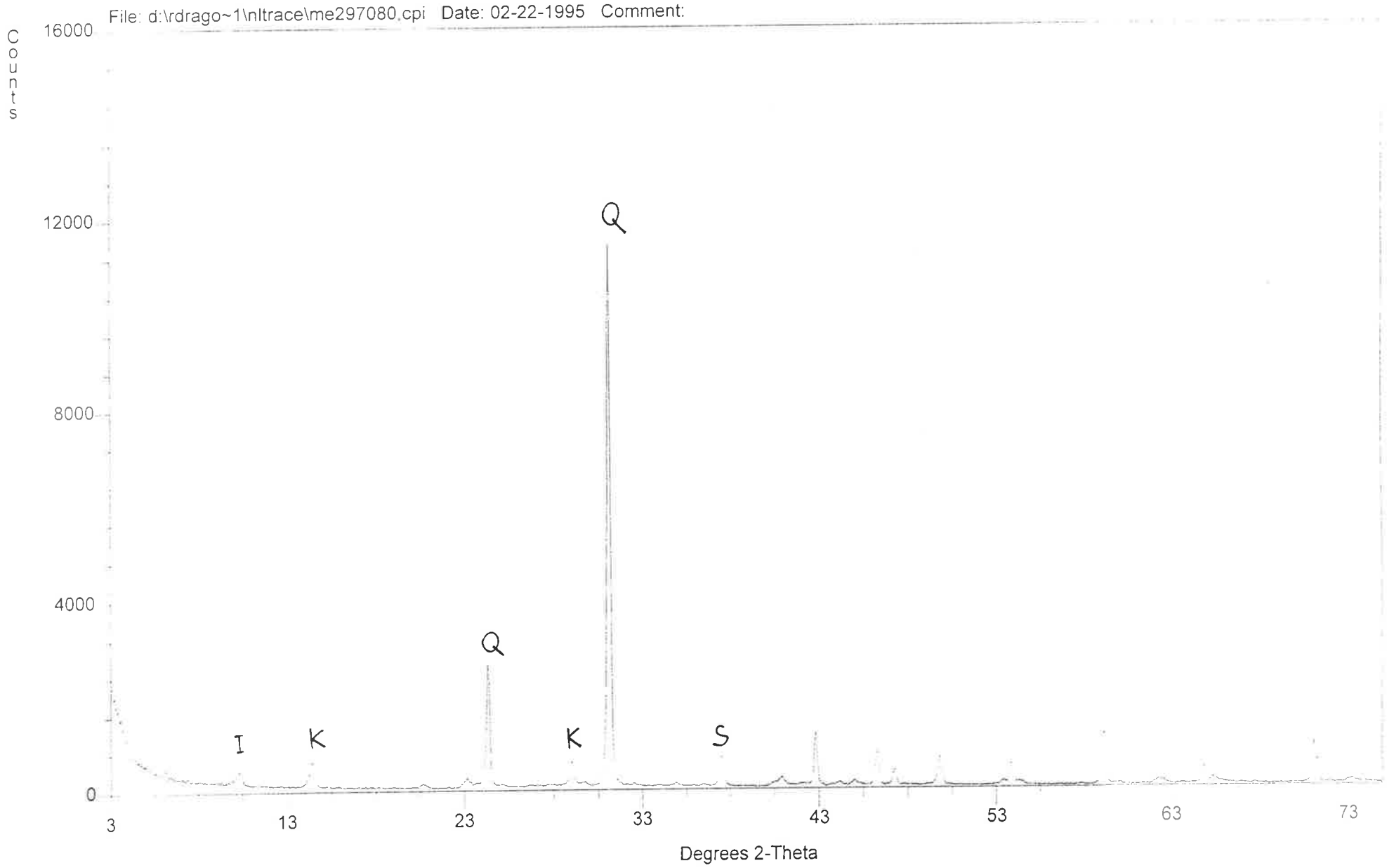
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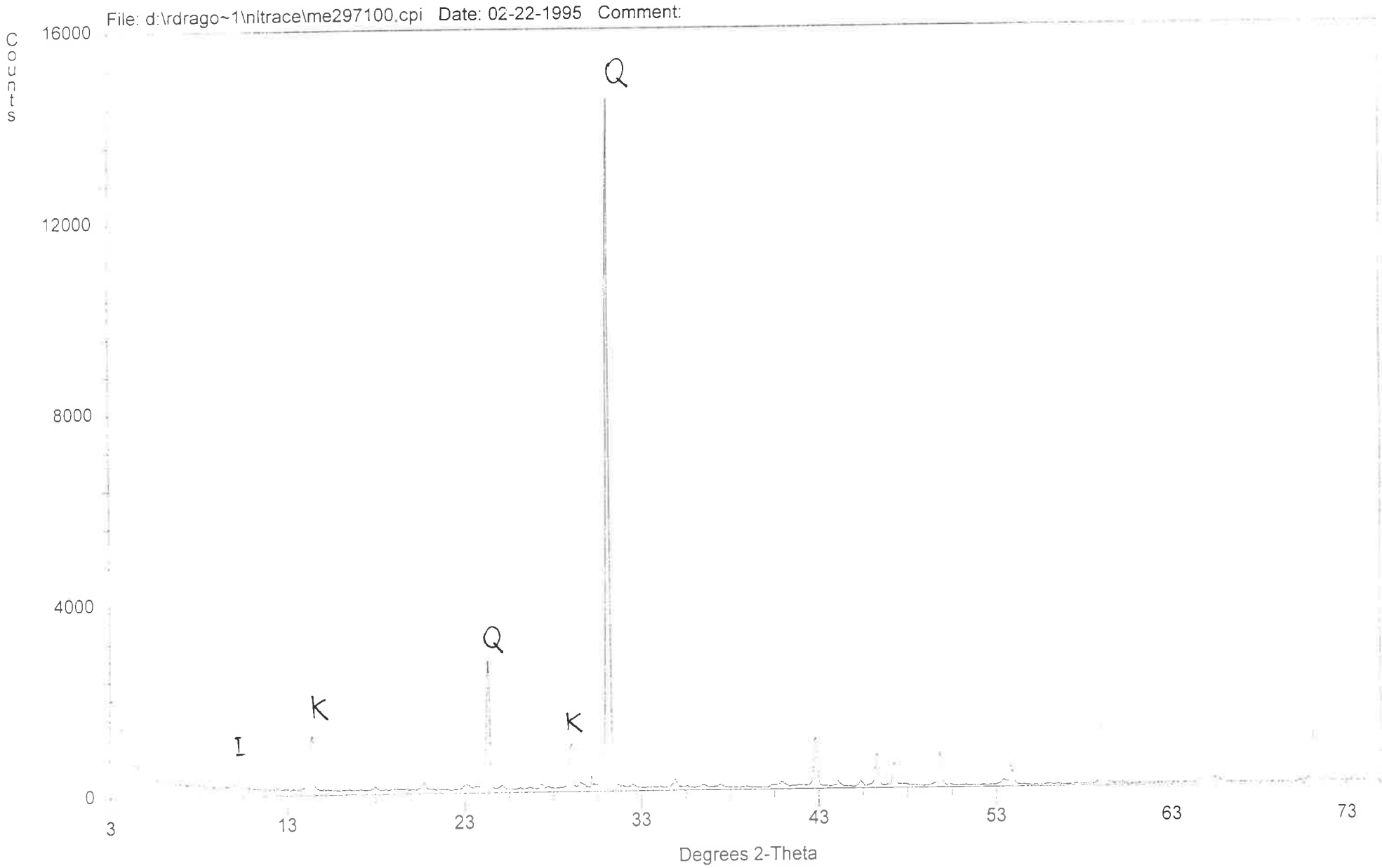
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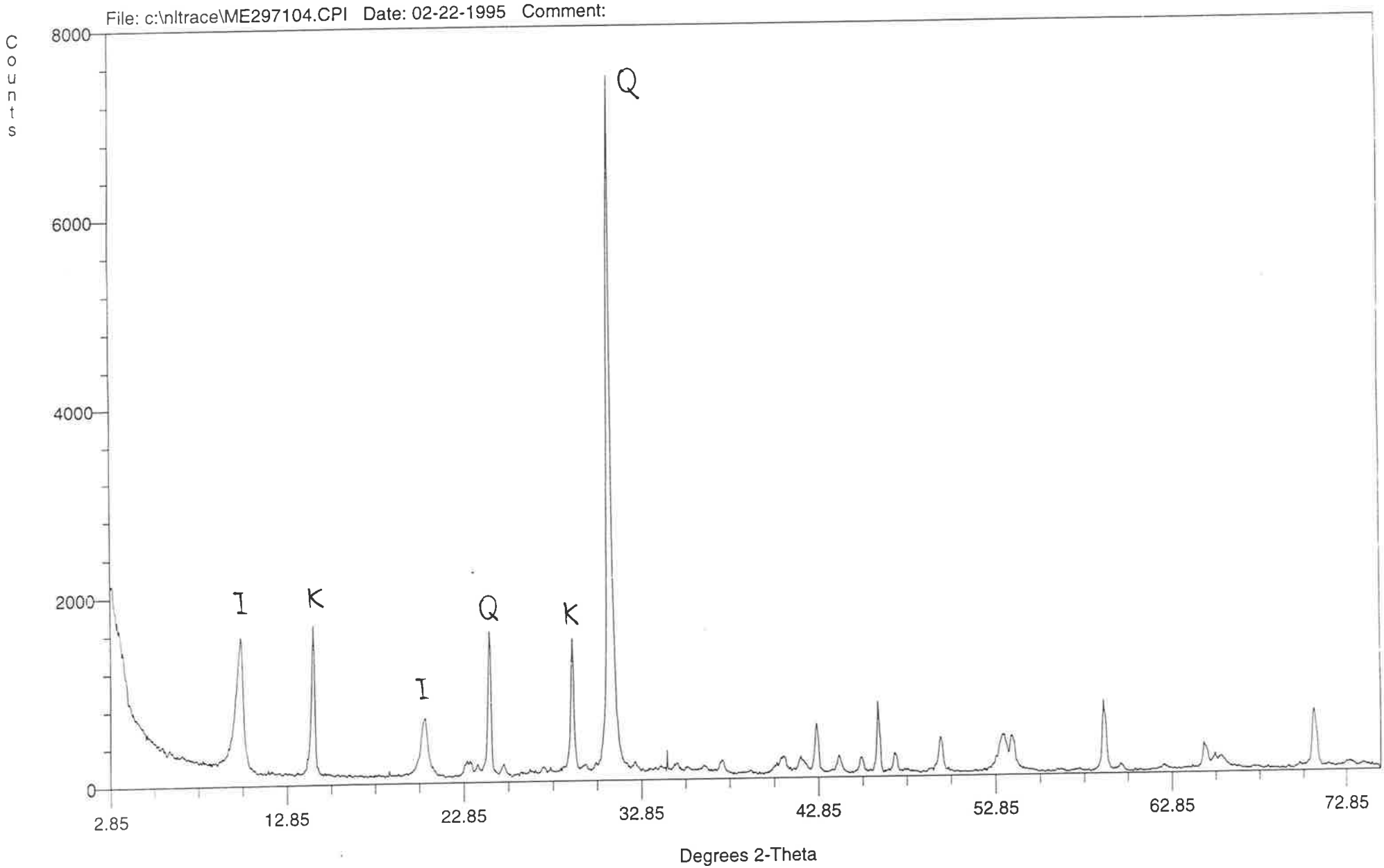
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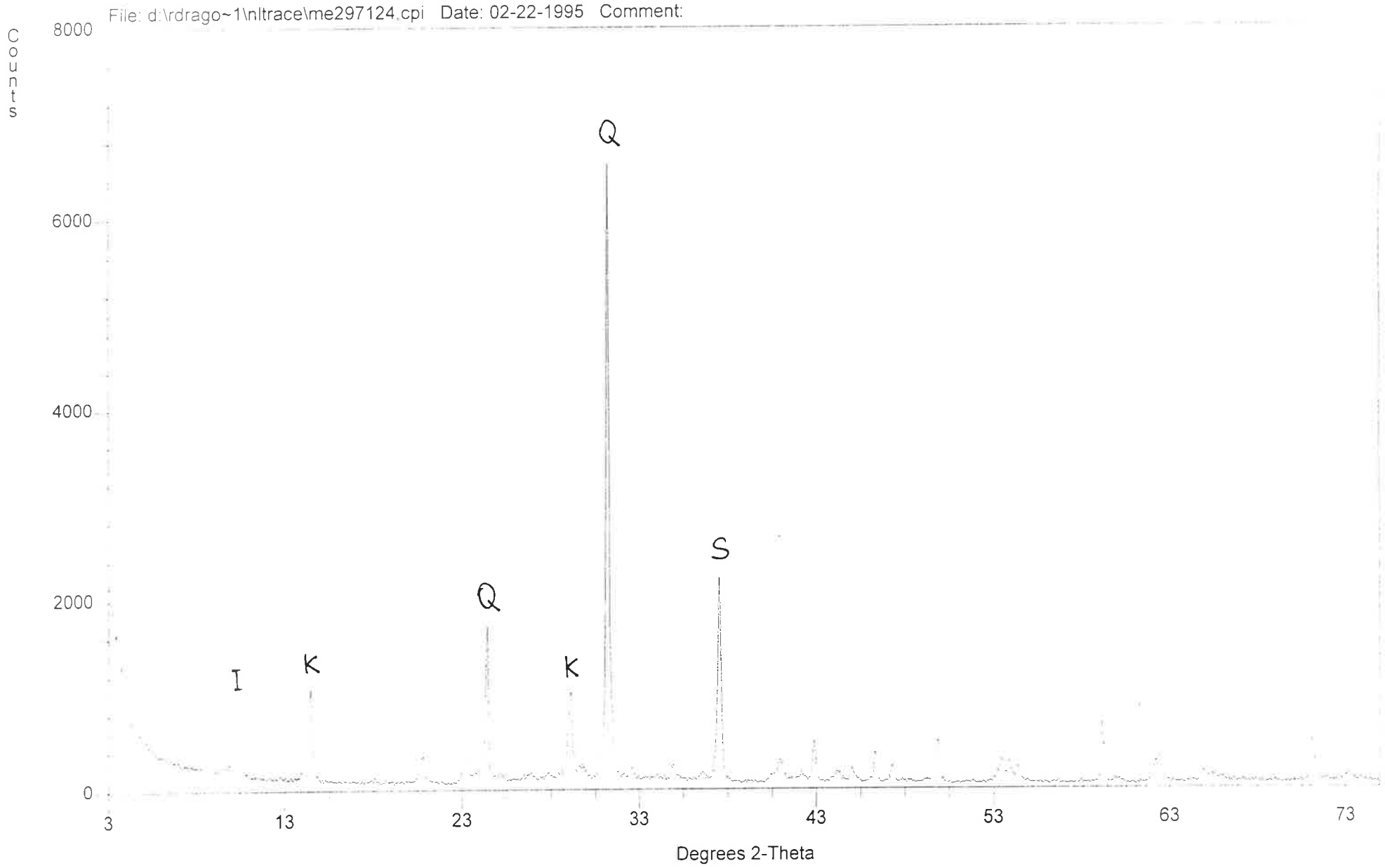
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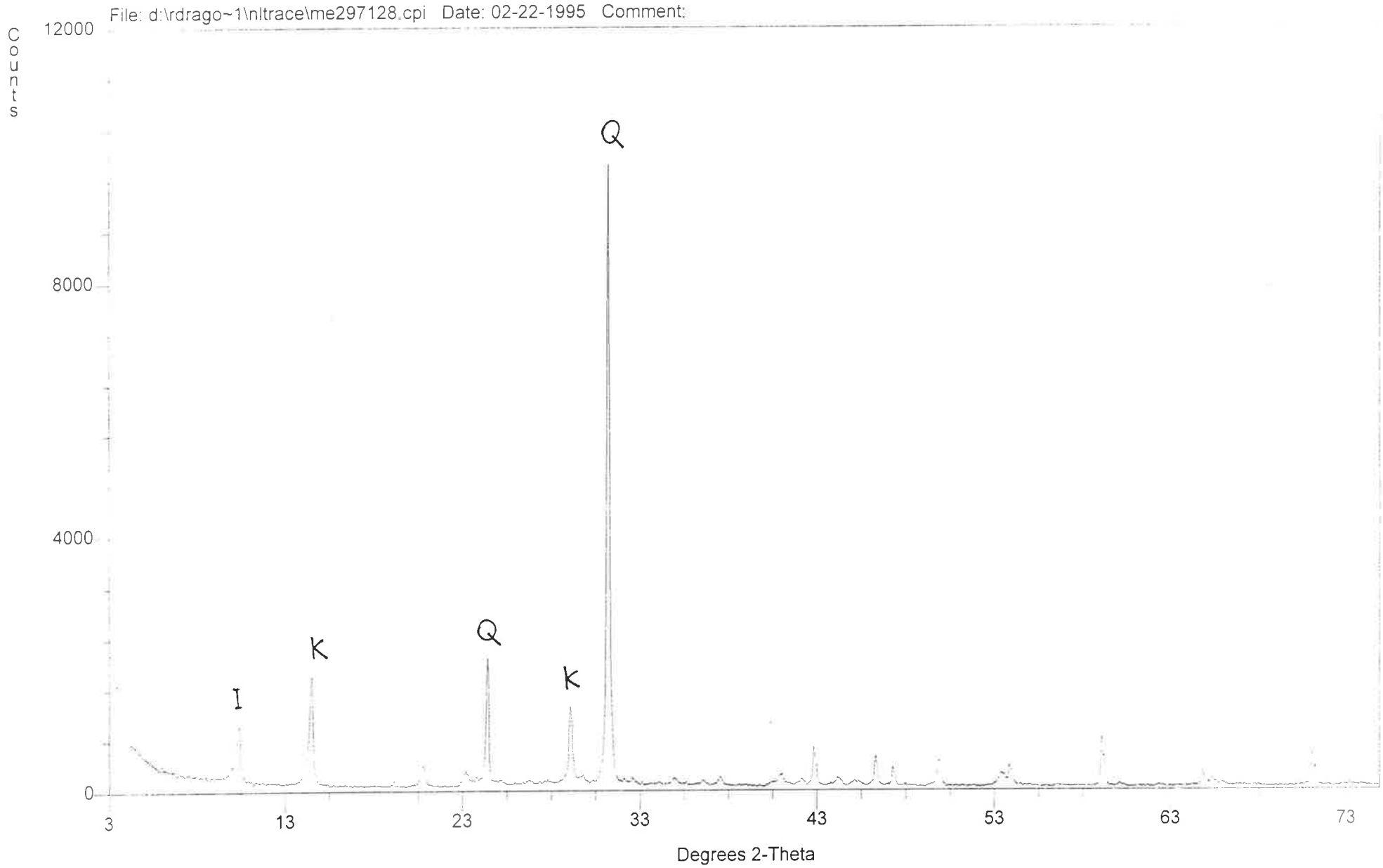
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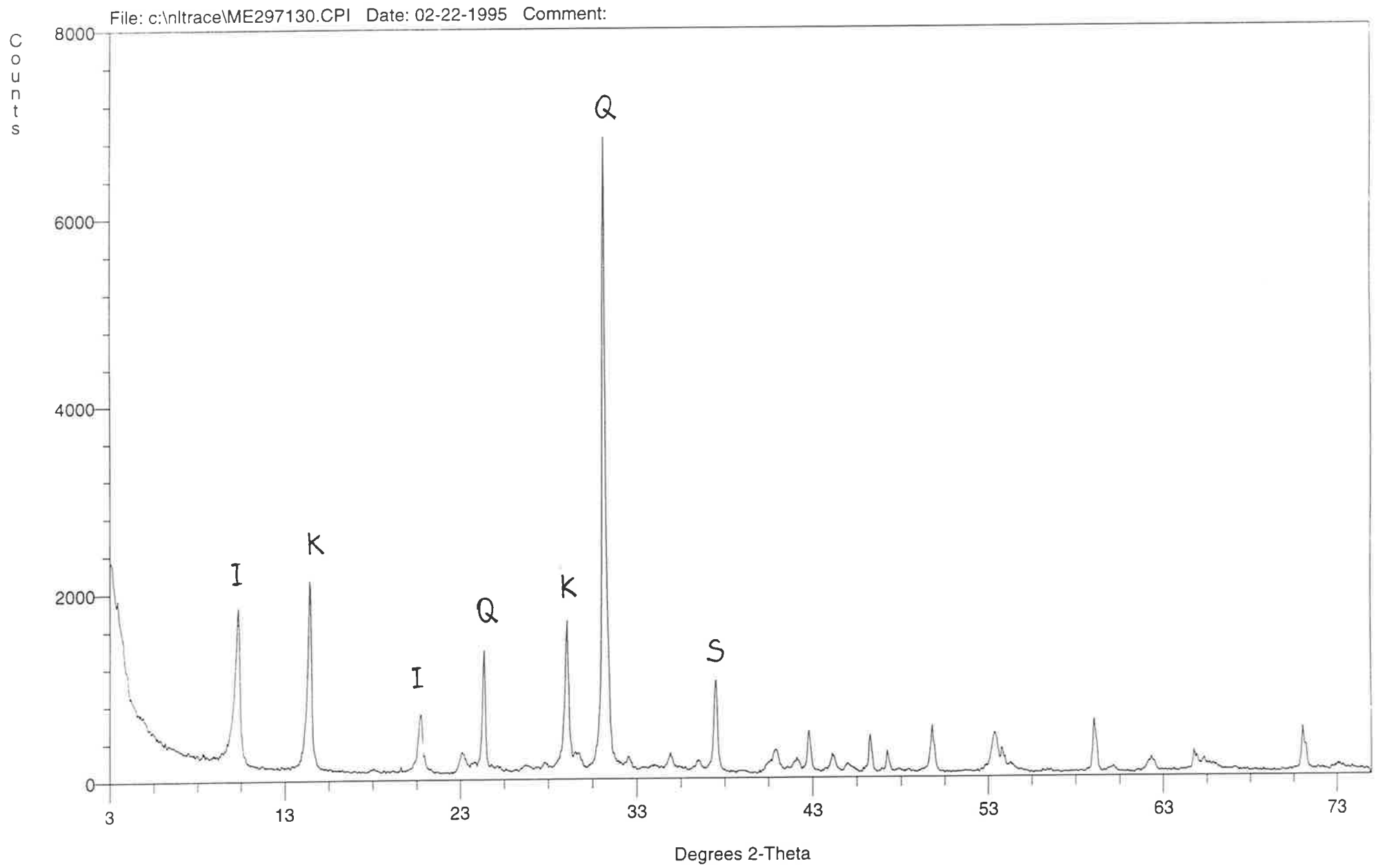
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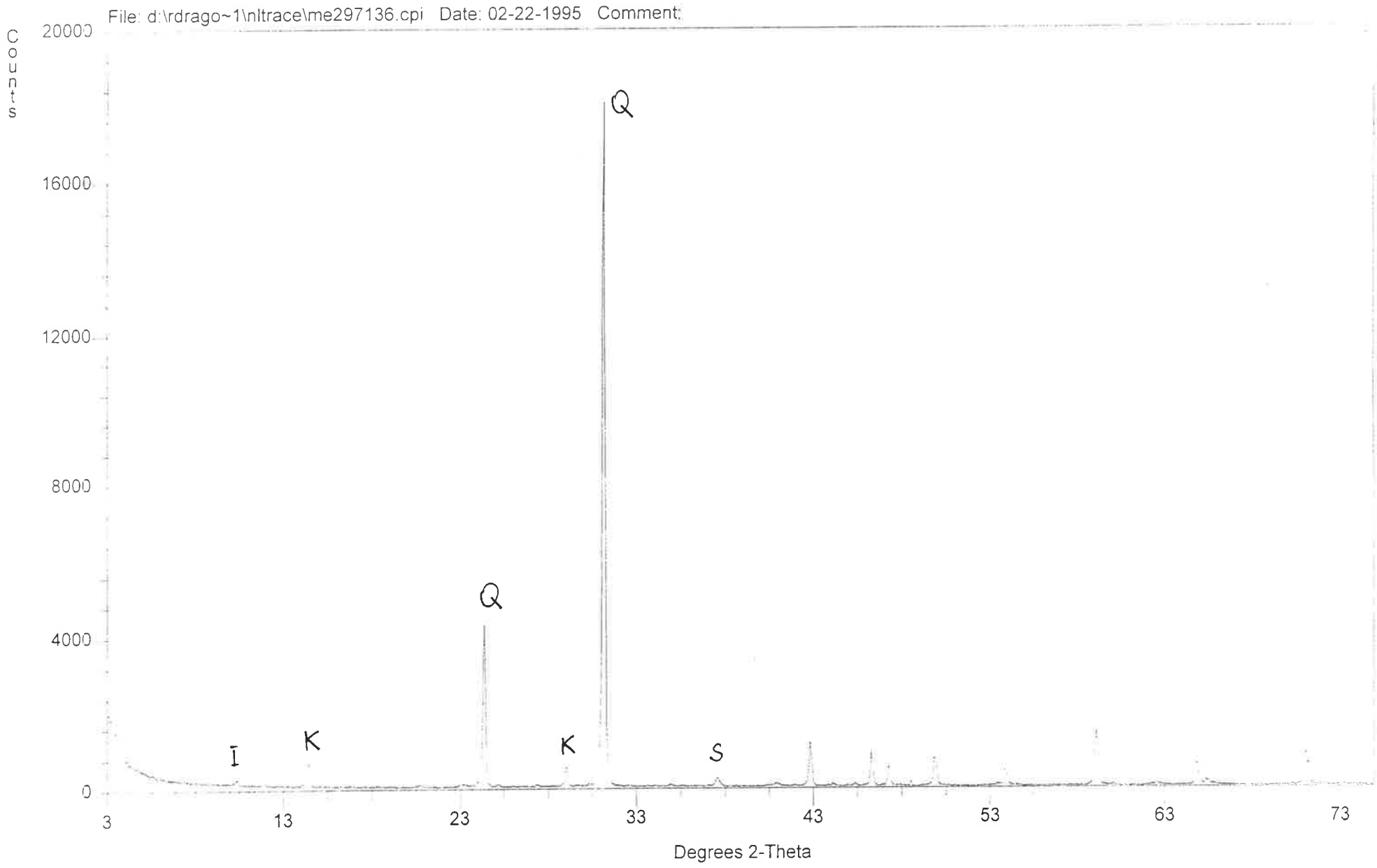
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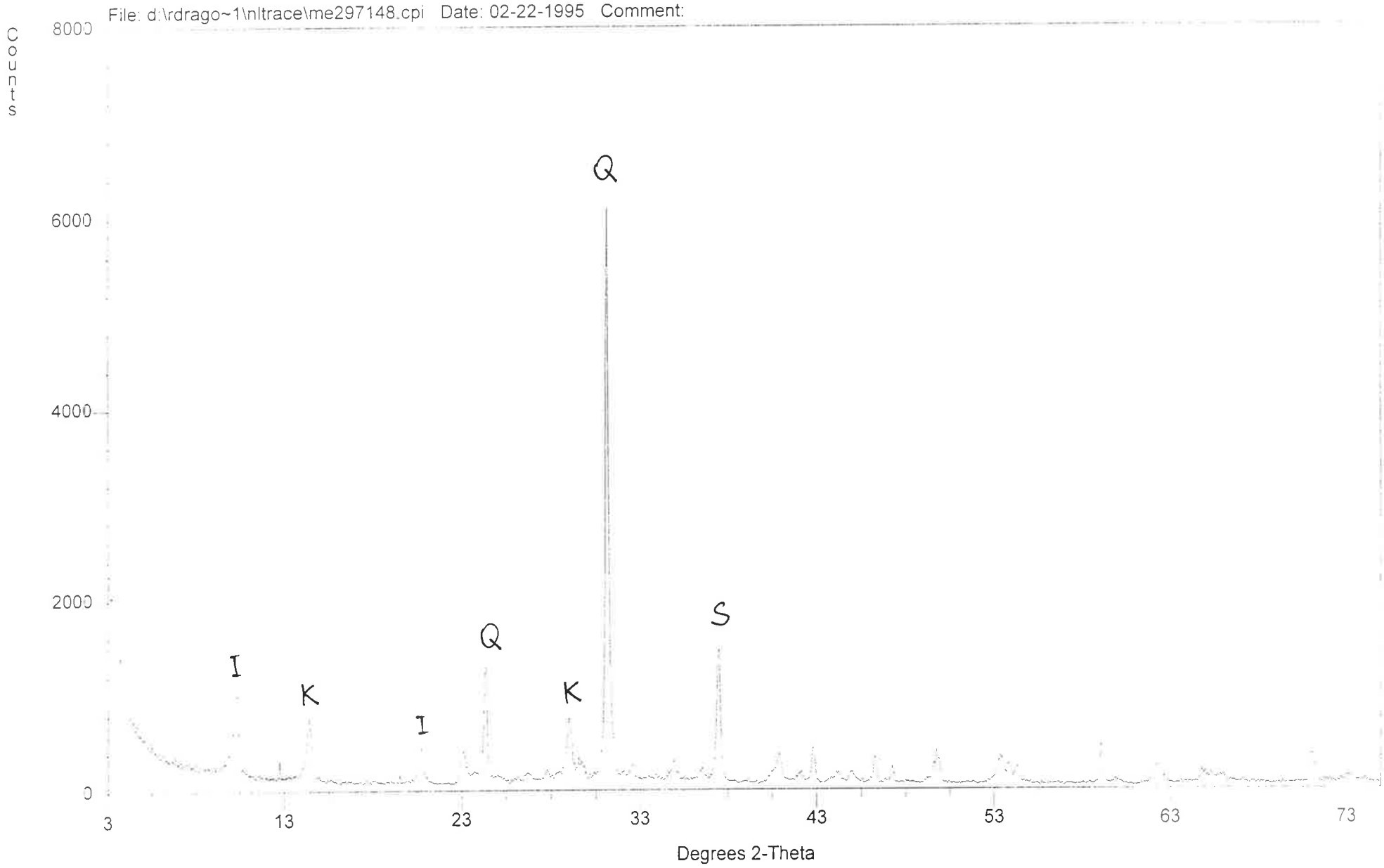
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APPENDIX 3.2

THIN SECTION DESCRIPTIONS

Sample/Depth: **Beanbush # 1, Core 1, 8716 feet**

Macroscopic Description

This sample was cut through a fine to medium grained, ripple-cross-laminated, sandstone from a crevasse splay. The colour varies from light brownish laminae to very light grey to dark grey laminae. Porosity and permeability readings are 9.6% and 2.2 mD with no hydrocarbon indication.

Thin Section Description

This sample is a fine-grained, sublithic wacke that consists of an alternation of laminae of authigenic kaolin-cemented intervals with matrix-rich intervals. The grains are sub-angular to sub-rounded.
Quartz, mostly of single-crystals, is the main component of the framework and contains zircon and needle-shaped mineral inclusions. The detrital clays, mainly kaolin with some illite, are aggressive on quartz grains, etching their contours. The kaolin booklets are tightly packed and intergrow with quartz overgrowths. Quartz grains affected by dissolution are seen in kaolin-cemented intervals, but the secondary pores created were occluded by clay cement.
The grains show mainly straight contacts in kaolin-cemented areas and concave-convex contacts in the matrix-rich intervals. Deformed mica grains and rock fragments and stylolites intervals with concentration of insoluble material (clays) are evidence of compaction.

Composition

Framework	Quartz	monocrystalline	50%
		polycrystalline	17%
	Fossil fragments		1%
	Sedimentary rock fragments	chert	5%
	Muscovite		5%
	Heavy minerals	zircon,	Tr
Matrix			11%
Cement	Quartz overgrowth		1%
	Clay	kaolin	7%
Porosity	Total		3%
	Microporosity	kaolin-framework	3%

XRD Analysis

The XRD trace was run on an oriented smear and based on peak height shows the predominant participation of quartz and kaolin. There is a trace of illite. Kaolin and illite have wide peaks, which suggests variable composition.

Sample/Depth: **Beanbush # 1, Core 1, 8723 feet 3 inches**

Macroscopic Description

This sample was cut through a fine to medium-grained sandstone deposited in a marginal lacustrine environment. It consists of alternating dark gray and weathered beige even laminae and small ripples. Porosity and permeability readings are 3.4% and 0.025 mD with no hydrocarbon indications.

Thin Section Description

This slide is a fine-grained sublithic wacke with sub-angular to sub-rounded grains. Quartz, mainly single-crystal is the main component of the framework. It contains needle-shaped mineral inclusions. There are no feldspars left in the sample. Sedimentary rock fragments consist of altered chert. The rock is clay cemented. Matrix consists of detrital clays, mostly kaolin and some illite. Optical effects related to the overlap of numerous small clay flakes produce brownish color. Authigenic kaolin can be observed as alteration product of biotite grains.
There is no porosity left in this sample, except an insignificant kaolin-framework microporosity in some isolated areas.
The grain contacts range from tangential to concave-convex contacts. Soft detrital mica grains deform under compaction. Distorted mica is present.

Composition

Framework	Quartz	monocrystalline	40%
		polycrystalline	25%
	Fossil fragments	lamellibranchiate	1%
	Rock fragments	chert	5%
	Mica		14%
	Heavy minerals	zircon, tourmaline	Tr
Matrix			10%
Cement	Quartz overgrowth		Tr
	Clay	kaolin	3%
		illite	Tr
		chlorite	Tr
Porosity	Total		2%
	Secondary	fracture	Tr
	Microporosity		2%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. The proportion of kaolin is high and has a broad peak that suggests a multiple provenance. There is a small trace of illite.

SEM Descriptions

Under the scanning electron microscope, the sample shows a tight rock with all the pore spaces occupied by detrital clays such as kaolin and illite that wrap around the framework grains, mainly quartz. Elongate biotite grains were seen distorted and fractured.

Sample/Depth: **Beanbush # 1, Core 1, 8735 feet 2 inches.**

Macroscopic Description

This sample was selected from whitish-light grey, poorly sorted gravel from the base of a fluvial channel. The grain diameter is up to 6 mm. Plug porosity and permeability readings are 12.8% and 1880 mD with no hydrocarbon indication.

Thin Sections Description

This slide was cut through poorly sorted, pebble gravel, with sub-angular to angular grains.
Quartz is the main component of the framework, with more monocrystalline grains than polycrystalline. There are no feldspars left in the sample; they all have been altered to masses of kaolin. The small amount of sedimentary rock fragments is mainly chert. The proportion of matrix in this sample is small and consists of clay and silt. Quartz overgrowth cement is well developed and causes reduction in the primary porosity. Kaolin fills some of the pore spaces and occasionally intergrows with the authigenic quartz cement. Clay rims quartz grains.
Primary porosity, preserved by quartz overgrowth cement is very well represented in this sample. Most of the pore spaces are large, clean and interconnected. Partial dissolution affects the quartz grains, especially the polycrystalline ones, creating an intragranular ineffective porosity or sometimes effective when associated with fractures. The kaolin-framework creates a microporosity of 44 % of the total kaolin-filled area.
A few quartz grains present fractures, of which some are clean, some are kaolin filled. The degree of compaction is illustrated by straight line to sutured contacts.

Composition

Framework	Quartz	monocrystalline	35%
		polycrystalline	30%
	Rock fragments	chert	3%
	Muscovite		Tr
	Biotite		Tr
	Heavy minerals	zircon, sphene	Tr
Matrix			4%
Cement	Quartz overgrowth		7%
	Clay	kaolin	4%
		illite	Tr
Porosity	Total		17%
	Primary	intergranular	11%
	Secondary	dissolution	3%
		fracture	Tr
	Microporosity	kaolin-framework	3%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the main mineral. The kaolin peaks are minor in comparison but their sharpness suggests the mineral is authigenic. There is a trace of illite.

SEM Description

Under the scanning electron microscope, the sample displays subhedral and euhedral quartz grains, with prismatic terminations, frequently covered by clay. Kaolin occurs as authigenic cement, in the shape of loosely packed, large euhedral booklets, with sizes ranging from 10 to 40 μm, or as a detrital component in the matrix.
Large, tabular pores with excellent interconnectivity (pore size up to 350 μm) are preserved between the quartz overgrowths. Some of the pores are totally or partially filled with kaolin. Kaolin creates good microporosity between its booklets with size of micropores up to 10 μm.

Sample/Depth: **Beanbush # 1, Core 1, 8740 feet 10 inches**

Macroscopic Description

The sample is a dark-grey mud with light grey silty lenses and represents a floodplain deposit. Mica flakes are seen outlining the stratification.

Microscopic Description

This slide illustrates a silty claystone (35% silt) with lenses of clayey siltstone (60% silt). The framework components show sub-angular to sub-rounded grain shapes.
The silty claystone intervals are fissile and consist mainly of detrital kaolin and illite. The clays illustrate depositional parallelism indicated by uniform birefringence. Solution seams with concentrations of relatively insoluble organic matter, pyrite or clay, give a dark appearance.
The clayey siltstone lenses are characterized a higher proportion of the framework components such as monocrystalline, polycrystalline quartz and chert grains. There is no porosity left in this sample.
Mostly straight mica but sporadic distorted or bent mica features illustrate compaction.

Composition

			clayey siltstone	silty claystone
Framework	Quartz	monocrystalline	25%	10%
		polycrystalline	20%	10%
	Sed rock fragments	chert	10%	10%
	Muscovite		5%	5%
	Heavy minerals	zircon, tourmaline	Tr	Tr
	Organic matter		5%	10%
Matrix			35%	55%
Cement	Quartz overgrowth		Tr	Tr

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows kaolin as the dominant mineral. Quartz and illite peaks are subordinated but well represented. Kaolin and illite peaks have broad peaks that suggest a multiple provenance. The XRD trace has a high background, illustrating significant organic matter content.

SEM Description

Scanning electron microscope investigations illustrate a fine-grained rock with a high amount of detrital clays that practically fill all the pore system. Sporadic, very small isolated pores with dimensions of up to 50 μm, are preserved.

Sample/Depth: **Telopea # 2, Core 1, 8174 feet**

Macroscopic Description

This sample was selected from a buff, oil stained, moderately sorted, medium-grained sandstone. The sample illustrates planar cross-beds. Core analysis results show porosity = 17.7%, permeability = 1360mD, oil saturation = 22.5%.

Thin Section Description

This slide belongs to a moderately sorted, medium sublitharenite, with sub-angular to sub-rounded grain shapes.
The monocrystalline quartz dominates the framework suite. All the feldspars have been altered kaolin. A few sedimentary rock fragments, chert and mud chips were observed throughout this slide. Matrix is absent.
Quartz overgrowth cement is abundant in this sample and is intergrown with kaolin.
The porosity is well preserved and consists in large, tabular, interconnected pores as well as oversized pores. The primary porosity was reduced by the precipitation of quartz overgrowth and kaolin and is enhanced by intense dissolution that affects the grains and the quartz overgrowths. Microporosity can be observed between the kaolin booklets.
Compaction contributed to the porosity reduction with most of the contacts being straight or sutured. Stylolites are present and concentrate insoluble material such as clay or organic matter.

Composition

Framework	Quartz		monocrystalline	50%
			polycrystalline	10%
	Sedimentary rock fragments		mud chips	2%
			chert	4%
	Heavy minerals		zircon, sphene, tourmaline	Tr
	Organic matter			Tr
Cement	Quartz overgrowth			10%
	Clay		kaolin	6%
	Siderite			Tr
Porosity	Total			18%
	Primary	intergranular		10%
	Secondary	dissolution		4%
	Microporosity	kaolin-framework		4%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. The kaolin peaks are minor in comparison but their sharpness suggests the mineral is authigenic. There is a trace of illite.

Sample/Depth: Telopea # 2, Core 1, 8186 feet 3 inches

Macroscopic Description

The sample consists of off-white, fine grained, planar cross-bedded sandstone, situated at the top of a point bar. The core presents grey silty wisps and scoured boundaries on which silty material is concentrated. The rock shows no fluorescence and act as a seal for the oil-impregnated interval underneath.

Thin Section Description

This sample represents a very well sorted, fine sublitharenite, with sub-angular grains. Quartz is the dominant framework mineral with almost equal amounts of monocrystalline and polycrystalline grains. Feldspars are absent; they are assumed to be altered to kaolin. Chert comprises the small amount of rock fragments.
The cement in this sample is represented by quartz overgrowth, kaolin, illite and traces of siderite. Kaolin fills the pores and pore throats, with only isolated unmodified pore spaces left within the primary pores. Fibrous authigenic illite intergrows with kaolin and bridges the pore throats. Quartz overgrowths develop around rounded detrital quartz. Pyrite or organic matter (dead oil) have been sporadically observed in the pores or pore throats.
The rock initially had good primary porosity, enhanced later by dissolution. Clay cementation and quartz overgrowths were the main cause in porosity reduction. The primary pore spaces left are not interconnected. Kaolin booklet distribution creates microporosity, which is inefficient for oil migration.
The degree of compaction is illustrated straight-line to concave-convex contacts and sporadic distorted mica.

Composition

Framework	Quartz	monocrystalline	40%
		polycrystalline	26%
	Sedimentary rock fragments	chert	4%
	Muscovite		Tr
	Heavy minerals	zircon, tourmaline	Tr
	Organic matter or pyrite		1%
Cement	Quartz overgrowth		7%
	Clay	kaolin	9%
		illite	3%
		chlorite	Tr
	Siderite		Tr
Porosity	Total		10%
	Primary	intergranular	3%
	Microporosity	kaolin-framework	7%

XRD Analysis

The sample was prepared as an oriented smear and shows quartz as the dominant peak. The kaolin and illite are well represented and have broad peaks that indicate a compositional range. There is a trace of siderite.

SEM Description

Scanning electron microscope images of this sample show a tight rock with quartz overgrowth support, almost entirely covered by clay cement. Quartz overgrowth cement shows druse with rhombohedral or prismatic terminations. Kaolin is present as loosely-packed small crystals of 5 to 10 microns, and totally or partially fills the pores and pore throats. When kaolin does not completely occupy available spaces, the remaining pores are about 15 to 40 microns. The micropores between kaolin booklets are 4 to 5 microns across. The remnant pores are isolated with no interconnectivity except through the clay cement.

Sample/Depth: **Telopea # 2, Core 1, 8188 feet**

Macroscopic Description

This sample is whitish-light grey, poorly sorted gravel from the base of a fluvial channel. The grains diameter is up to 8 mm. Core analysis results indicate porosity = 9.1%, permeability 66 = mD, oil saturation = 10% and fluorescence 100%. The sample is oil impregnated.

Thin Section Description

This slide belongs to poorly sorted, pebble gravel, with sub-angular to sub-rounded grains. Quartz, mainly monocrystalline, dominates the framework suite. Most of the grains show abundant vacuoles. All feldspars have been altered to kaolin. A few grains of chert and mud chips were seen throughout the thin section. Matrix can be seen in some of the pore spaces and consists of clay and silt. Quartz overgrowth and kaolin are present as authigenic cements and partially or totally fill some of the pore spaces.

The well-preserved primary porosity is enhanced by dissolution, which affects the quartz grains and lithics creating secondary porosity. Most of the pore spaces are very large, clean and interconnected. Fractures can be seen across the sample; mainly clean, but some filled with kaolin and illite. This sample was compacted, with most of the contacts being sutured. Stylolites are present and concentrate insoluble material such as clays or organic matter. Soft lithic fragments deform under compaction.

Composition

Framework	Quartz	monocrystalline	40 %
		polycrystalline	20 %
	Rock fragments	chert	2 %
		mud chips	2 %
	Heavy minerals	zircon, sphene	Tr
	Organic matter		Tr
Matrix			8 %
Cement	Quartz overgrowth		10 %
	Clay	kaolin	6 %
Porosity	Total		12 %
	Primary	intergranular	6 %
	Secondary	dissolution	3 %
		fracture	Tr
	Microporosity	kaolin-framework	3 %

XRD Analysis

The sample was prepared as an oriented smear and shows quartz as the main peak. The kaolin has a broad peak, suggesting a range of compositions. There is a trace of illite.

SEM Description

The scanning electron microscope investigation illustrates the predominance of quartz grains, mostly covered by clay. Quartz overgrowths have prismatic, rhombohedral or druse terminations. Kaolin appears as loosely packed euhedral booklets of up to 20 μm. Kaolin creates viable microporosity with size of micropores up to 10 μm and is intergrown with quartz overgrowths.

The primary pore system is excellent preserved by the quartz overgrows; pores are large, open (50 μm diameter), and presents very good interconnectivity.

Sample/Depth: **Telopea # 2, Core 1, 8189 feet**

Macroscopic Description

The sample is whitish-light grey, poorly sorted gravel from the base of a fluvial channel. The grain size is up to 10 mm. Core analysis results indicate porosity = 7.4%, permeability = 36mD, oil saturation = 0.2% and fluorescence 100%. The sample is oil impregnated.

Thin Section Description

The slide represents a poorly sorted, pebble gravel, with sub-angular to sub-rounded grain shapes.
Quartz is the main framework component with the monocrystalline grains more abundant than polycrystalline. Most of the grains present abundant vacuoles. There are no feldspars left in the sample, as all have altered to kaolin. Quartz overgrowth is well developed in this sample. Vermicular kaolin partially fills some of the pore spaces. Traces of illite are observed coating grains. Siderite fills few pore spaces or marginally replaces quartz grains.
The primary porosity is well preserved in this sample. The pores are clean and interconnected. Dissolution affects the quartz grains as well as the lithic fragments, leading to oversized pores. Compaction features include tangential to concave-convex contacts and few stylolites.

Composition

Framework	Quartz	monocrystalline	40%
		polycrystalline	20%
	Rock fragments	chert	10%
	Heavy minerals	zircon, tourmaline	Tr
	Mica		Tr
	Organic matter		1%
Matrix			6%
Cement	Quartz overgrowth		8%
	Clay	kaolin	5%
		illite	Tr
		siderite	Tr
Porosity	Total		10%
	Primary	intergranular	6%
	Secondary	dissolution	2%
	Microporosity	kaolin-framework	2%

XRD Analysis

The sample was prepared as an oriented smear and shows quartz as the dominant peak. The kaolin has a broad peak, suggesting a range of compositions. There is a trace of illite.

Sample/Depth: **Merrimelia # 3, Core 3, 7321 feet 6 inches**

Macroscopic Description

The rock represents a palaeosol deposit and shows no porosity.

Thin Section Description

This sample is a claystone (18.75% silt). The framework components illustrate sub-angular to sub-rounded grain shapes and are represented by monocrystalline and polycrystalline quartz grains. The proportion of matrix in this sample is high and is mainly clay (detrital kaolin and illite) and very fine silt. Siderite is present as micrite patches, replacing the clays.
The sample illustrates few fractures, some of them are more or less linear and some presents convolute features.

Composition

Framework	Quartz	monocrystalline	10%
		polycrystalline	5%
	Muscovite		Tr
	Organic matter		1%
Matrix			65%
Cement	Siderite		14%
Porosity	Total		5%
	Secondary	fracture	5%

Sample/Depth: **Merrimelia # 3, Core 5, 7542 feet 6 inches**

Macroscopic Description

This sample was selected from an off white, fine to medium-grained, cross-bedded sandstone from the top of a point bar deposit. The core has silty wisps, siderite spots in places and shows no porosity.

Thin Section Description

This slide is a well-sorted, fine-grained litharenite, with sub-angular to sub-rounded grains. Quartz and rock fragments are the main components of the framework. Quartz is mostly monocrystalline. Feldspars are not present. The matrix consists of detrital clays. The cement is mainly kaolin. Fibrous authigenic illite sporadically coats grains. Siderite postdates the quartz overgrowth and kaolin and marginally replaces quartz grains. There is no primary porosity left in this sample. Porosity reduction is caused mainly to clay cementation. Microporosity is created between the kaolin booklets. Dissolution is intense, affecting the quartz grains, quartz overgrowths, and rock fragments. Tangential to straight-line grain contacts distorted mica illustrates the degree of compaction.

Composition

Framework	Quartz	monocrystalline	35%
		polycrystalline	10%
	Sedimentary rock fragments	chert and mud chips	21%
	Muscovite		1%
	Heavy minerals	zircon, tourmaline	Tr
	Organic matter		2%
Matrix			3%
Cement	Quartz overgrowth		3%
	Clay	kaolin	10%
		illite	2%
	Siderite		5%
Porosity	Total		8%
	Microporosity	kaolin-framework	8%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. Kaolin and illite peaks are well represented, with quite broad peaks, suggesting multiple compositions. Siderite is subordinate.

SEM Description

The scanning electron microscope illustrates fine-grained sandstone with most of the framework components being covered by clays. Quartz grains show euhedral overgrowths terminations or druse overgrowths. Small crystals of kaolin and blocky kaolin incompletely occupy the pores and pore throats and leave remnant pores of up to 75 microns in the middle of the primary pore spaces. Platy clays (detrital matrix) and siderite crystals are present.

The pore interconnectivity is significantly reduced by the kaolin precipitation and by the presence of detrital clays.

Sample/Depth: **Merrimelia # 3, Core 9, 7743 feet**

Macroscopic Description

The sample is a massive, dark-grey to black mudstone, selected from floodplain deposits.

Thin Section Description

This slide represents a silty claystone with 34% of the rock being silt. The framework components are quartz and chert, with sub-angular grain shapes. The proportion of clay-sized material in this sample is high and consists of detrital kaolin and illite. Small patches of micritic siderite and organic matter were seen throughout the thin section. There is no porosity left in this sample. A few slightly distorted mica grains were seen in the thin section.

Composition

Framework	Quartz	(monocrystalline, polycrystalline)	25%
	Sed rock fragments	chert	5%
	Muscovite		3%
	Heavy minerals	zircon, tourmaline	Tr
	Organic matter		5%
Matrix			57%
Cement	Siderite		5%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. Kaolin and illite have high peaks, rather broad than sharp that suggests a compositional range. The Siderite peak is also conspicuous.

Sample/Depth: **Merrimelia # 5, Core 2, 7420 feet 9 inches**

Macroscopic Description

The sample is dark-grey, fine silt with characteristic sedimentary structures for a lacustrine environment such as horizontal lamination and small ripples.

Microscopic Description

This slide represents an alternation of fine laminae of clayey siltstone (72.5% silt) and fissile silty claystone (32.6% silt). The grain shape is sub-angular.
The framework in the clayey siltstone layers comprises quartz grains, mostly polycrystalline and sedimentary rock fragments, mainly chert with a few mud chips. There are no feldspars left. Organic matter is abundant and framboidal pyrite could be spotted throughout the thin section. Silty claystone intervals consist in mainly detrital illite and kaolin. The clays present parallelism indicated by uniform birefringence. Straight or distorted mica illustrates compaction features. There is mainly no porosity left in this sample.

Composition			clayey siltstone	silty claystone
Framework	Quartz	monocrystalline	20%	10%
		polycrystalline	34%	13%
	Sed rock fragments	chert	10%	7%
		mud chips	2%	
	Muscovite		2%	3%
	Heavy minerals	zircon, tourmaline	Tr	Tr
	Organic matter		7%	5%
Matrix			25%	62%
Cement	Quartz overgrowth		Tr	
	Siderite		Tr	Tr
	Pyrite		Tr	Tr

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the main mineral. The illite and kaolin peaks are broad suggesting a multiple provenance. There are traces of siderite. The XRD trace is quite high above the zero counts line, suggesting organic matter content.

Sample/Depth: **Merrimelia # 7, Core 3, 7065 feet 11 inches**

Macroscopic Description
This sample was selected from an off white to light grey, fine-grained sandstone from the top of a point bar deposit. It illustrates cross beds and dark grey, silty toesets. The rock is an orange shade due to siderite cementation.

Thin Section Description
This slide was cut through a well-sorted, fine-grained litharenite (75%Qtz), with angular quartz grains to sub-rounded lithics fragments.
Quartz is the dominant component of the framework. The feldspars are altered to kaolin. The sedimentary rock fragments illustrate dissolution. The cement in this rock is mainly siderite of two generations. The first one, a dirty, micritic phase, embays quartz overgrowths. The second one, a clean spar phase, grows on top of the first generation, towards the pore space and marginally replaces the quartz grains. Kaolin fills most of the pores, intergrows with the spar siderite or precedes it.
Porosity reduction is due to siderite and subordinate kaolin cementation. Only a small part of the primary porosity is left in the sample with the pores not connected. A few kaolin patches create microporosity.
The degree of compaction is illustrated by tangential or straight-line grain contacts. A few distorted mica grains have been spotted throughout the slide.

Composition

Framework	Quartz	monocrystalline, polycrystalline	30%
	Sed rock fragments	chert and mud chips	10%
	Muscovite, biotite		Tr
	Heavy minerals	zircon	Tr
	Organic matter		Tr
Cement	Quartz overgrowth		3%
	Clay	kaolin	5%
		Illite	Tr
	Siderite		45%
Porosity	Total		7%
	Primary	intergranular	3%
	Microporosity	kaolin-framework	4%

XRD Analysis
The XRD trace was run on an oriented smear and shows siderite as the highest peak, followed by quartz. The kaolin and illite have broad peaks, suggesting a range of compositions.

SEM Description
Under scanning electron microscope, the sample illustrates a well cemented, fine-grained sandstone. Booklets of loosely packed kaolin are intergrown with prismatic or rhombohedral quartz overgrowths. Rhombic siderite crystals precipitate in the pore spaces. The clay minerals surround the quartz overgrowth and siderite cement.
Pore spaces not more then 50μm across are preserved between quartz overgrowths; their interconnectivity is poor due to the kaolin and siderite cementation. Kaolin grows into the pore and pore throat spaces, considerably reducing porosity and permeability. In some areas, kaolin does not entirely fill the available spaces, resulting pores with 35μm diameter.

Sample/Depth: **Merrimelia # 7, Core 4, 7108 feet 4 inches**

Macroscopic Description

This sample was selected from a cross-bedded, off white-grey-orange, fine to medium-grained sandstone, that represents a crevasse splay deposit. The rock shows good porosity and contains grey clay and orange-brown reworked intraclasts. Core analysis readings are: porosity = 14.2%, permeability = 7.5 mD, oil saturation = 39.9% with a good fluorescence. The sample is oil saturated.

Thin Section Description

This slide was cut through a moderately well sorted, medium-grained litharenite.
Quartz dominates the framework suite with most of it being monocrystalline. There are no feldspars left in the sample; they all have been altered to masses of kaolin. Sedimentary rock fragments participate in high proportion to the rock constitution. Quartz overgrowth was initially well developed; it can still be seen overlain by the siderite crystals. Kaolin, as authigenic cement, occupies some of the pore spaces and intergrows with siderite. Siderite cement replaces the margins of quartz overgrowths and appears to be developed as two generations. The first generation, a dirty, micritic phase, coats the quartz overgrowths and lithic fragments. The second generation, clean spar, is very aggressive on quartz and extends towards the pore spaces constituting the main cause in porosity reduction.
Remnant primary, interconnected pores are still preserved between siderite crystals. The grains are mainly floating in the siderite cement.

Composition

Framework	Quartz	monocrystalline	25%
		polycrystalline	11.5%
	Sedimentary rock fragments	chert	15%
		silt, mud chips	10%
	Muscovite, biotite		Tr
	Pyrite		Tr
Cement	Quartz overgrowth		4%
	Clay	kaolin	3.3%
		illite	Tr
		chlorite	Tr
	Siderite		25%
Porosity	Total		6.2%
	Primary	intergranular	4.2%
	Microporosity	kaolin-framework	2%

XRD Analysis

The XRD trace was prepared as an oriented smear and, based on peak height, shows siderite as the dominant mineral. Quartz is well represented; kaolin and illite peaks are minor in comparison and have broad peaks, characteristic for a range of composition.

SEM Description

Scanning electron investigation illustrates a rock with a large, open pore system. The quartz grains have euhedral terminations. Sparry, rhombic siderite crystals precipitate around the quartz overgrowths, forming a crust of elongate blades. The siderite does not entirely fill the available spaces, leaving large, interconnected pores of up to 200 μm diameter. Siderite was seen intergrown with kaolin booklets.

Sample/Depth: **Merrimelia # 15, Core 3, 7114 feet 5 inches**

Macroscopic Description

The sample represents off-white, very fine-grained, sandstone, situated at the top of a point bar. The core illustrates fine horizontal laminations and gray silty wisps. The rock is not oil stained and seals the oil-impregnated interval below.

Thin Section Description

This slide was cut through a very fine to fine-grained lithic wacke with sub-angular to sub-rounded grain shapes. Quartz is the dominant mineral of the framework, with most of it being monocrystalline. Feldspars are absent; they are assumed to be altered to kaolin. Rock fragments are chert and mud chips. The proportion of matrix in the sample is high and is mainly clay (kaolin and illite). Kaolin fills the entire primary pores and secondary pores (created by dissolution of the framework components), with small pore spaces left in the middle of primary pores. Fibrous authigenic illite intergrows with kaolin and bridges the pore throats.
The rock had an initially good primary porosity, enhanced by late dissolution. Clay cementation was the main cause in porosity diminution. Some relict primary pores occur between quartz overgrowths or as spaces unoccupied by clays but they are not directly connected due to clay development. Kaolin booklet distribution creates microporosity, ineffective for oil migration. The grain contacts develop in a range from tangential to concave-convex, but are predominantly straight. These and bent mica are compaction features.

Composition

Framework	Quartz	monocrystalline	45%
		polycrystalline	10%
	Sedimentary rock fragments	chert, mud chips	10%
	Muscovite		Tr
	Heavy minerals	zircon, tourmaline	Tr
	Organic matter		1%
Matrix			15%
Cement	Quartz overgrowth		4%
	Clay	kaolin	6%
		Illite	3%
Porosity	Total		6%
	Primary	intergranular	2%
	Microporosity	kaolin-framework	4%

XRD Analysis

The sample was prepared as an oriented smear and shows quartz and kaolin as the dominant peaks. Illite is well represented and has a broad peak, suggesting a range of compositions.

Sample/Depth: **Merrimelia # 15, Core 3, 7120 feet ½ inches**

Macroscopic Description

This sample was selected from a buff, fine to medium-grained, cross-bedded sandstone from chute sand. Core analysis readings are = 17.1%, permeability = 766mD, oil saturation = 17.9%, with a good fluorescence. The sample shows porosity and is oil stained.

Thin Section Description

This slide represents a well-sorted, fine-grained litharenite, with angular to sub-rounded grains. Quartz, mostly single crystals, participates in high proportion at the framework constitution. Feldspars are altered to masses of kaolin. The rock fragments, mostly chert, are abundant in this slide. The lithics present intense dissolution phenomena. The rock is cemented by quartz overgrowths, kaolin, illite and a small amount of siderite. Siderite is aggressive, etching the quartz grains.
The primary porosity is well preserved and is enhanced by dissolution. The main cause of porosity reduction is due to the different phases of cement infilling the pore spaces. Tangential to straight-line contacts and straight to bent mica features illustrates the range of compaction.

Composition

Framework	Quartz		monocrystalline	30%
			polycrystalline	18%
	Sedimentary rock fragments		chert	15%
			Silt and mud chips	3.8%
	Muscovite, biotite			Tr
	Heavy minerals		zircon	Tr
	Organic matter			Tr
Cement	Quartz overgrowth			5%
	Clay		kaolin	5%
			illite	2%
			chlorite	Tr
	Siderite			4%
Porosity	Total			17.2%
	Primary	intergranular		12.2%
	Secondary	dissolution		2%
	Microporosity	kaolin-framework		3%

XRD Analysis

The XRD trace was prepared as an oriented smear and, based on peak height, shows quartz as the dominant mineral. The kaolin and siderite peaks are subordinate. Illite peak has a broad peak, characteristic for a range of compositions. There is a trace of chlorite.

Sample/Depth: **Merrimelia # 17, Core 1, 7078 feet 2½ inches**

Macroscopic Description
This sample was selected from a buff to clear, medium grey in part, cross-bedded, medium-grained sandstone deposited as a chute sand. Core analysis results show porosity = 16.2%, permeability = 126 mD, with fair fluorescence. The sample belongs to a net gas pay interval.

Thin Section Description
This slide represents a well-sorted, medium litharenite, with sub-angular to sub-rounded grain shapes. The quartz is mainly single-crystal. Sporadic, quartz grains contain zircon inclusions. Feldspars were altered to masses of kaolin. The sedimentary rock fragments consist of chert, silt or mud chips. They display dissolution phenomena. Authigenic quartz overgrowth is outlined by thin layers of inclusions, probably clays around the allogenic grains and is intergrown with kaolin. Kaolin totally or partially fills some of the primary and secondary pores. Brownish crusts of authigenic clay cements line or bridge the pores. The quartz grains and the sedimentary rock fragments are affected by dissolution.
The porosity is high, with oversized pores created by dissolution. Microporosity is maintained between the kaolin booklets.
Straight line or concave-convex contacts, sporadic "bow-tie mica illustrates the degree of compaction.

Composition

Framework	Quartz		monocrystalline	35%
			polycrystalline	7%
	Sedimentary rock fragments		chert	20%
			silt and mud chips	5%
	Muscovite			Tr
	Heavy minerals		zircon, sphene, tourmaline	Tr
	Organic matter			Tr
Cement	Quartz overgrowth			5%
	Clay		kaolin	5.4%
			illite	3%
	Siderite			Tr
Porosity	Total			19.6%
	Primary	intergranular		12%
	Secondary	dissolution		5%
	Microporosity	kaolin-framework		2.6%

XRD Analysis
The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. The kaolin and illite peaks are well represented, with illite having a broad peak, suggesting a multiple composition.

SEM Description
Scanning electron microscope analysis reveals a high-interconnected pore system (up to 150μm pore diameter), protected by the quartz overgrowths. Kaolin displays loosely packed booklets that preserve microporosity (size of micropores is up to 35 μm). Rhombohedral siderite is also present in this sample.

Sample/Depth: **Merrimelia # 17, Core 1, 7105 feet 6 ¾ inches**

Macroscopic Description

The slide belongs to a pale grey to off white, medium-grained sandstone. The sample illustrates trough cross beds and represents a crevasse splay deposit. Porosity and permeability readings are 18.8% and 105 mD, with a trace of fluorescence.

Thin Section Description

This sample is well-sorted, fine-grained litharenite with sub-angular to sub-rounded grains.
Quartz is the main mineral of the framework suite with mainly monocrystalline grains. A few quartz grains have zircon inclusions. There are no feldspars left as they have been altered to clays. The rock fragments are common and show dissolution. The small amount of matrix is clay with some silt. Quartz overgrowth and kaolin are the main cement phases that fill the pore spaces. A very small amount of illite is growing as authigenic cement. Traces of siderite are present in some pore spaces, etching the quartz grains.
The primary porosity is well preserved in this sample. Quartz overgrowth and vermicular kaolin fill some of the primary pores or secondary pores created by dissolution.
The degree of compaction is illustrated by the straight and tangential contacts.

Composition

Framework	Quartz	monocrystalline	30%
		polycrystalline	15%
	Sedimentary rock fragments	chert	11%
		mud chips	8%
	Muscovite		Tr
	Heavy minerals	sphene, tourmaline	Tr
	Organic matter		1%
Cement	Quartz overgrowth		7%
	Clay	kaolin	6%
		illite	1%
		chlorite	Tr
	Siderite		2%
Matrix			2%
Porosity	Total		17%
	Primary	intergranular	9%
	Secondary	dissolution	2%
	Microporosity	kaolin-framework	4%

XRD Analysis

The sample was prepared as an oriented smear and shows quartz as the dominant peak and subordinate, narrow kaolin and illite peaks.

Sample/Depth: **Merrimelia # 17, Core 2, 7113 feet 8 1/2 inches**

Macroscopic Description

The sample is pale-grey, very fine-grained sandstone within a palaeosol deposit. It contains siderite cement patches and is destratified. The rock shows no porosity.

Thin Section Description

The rock is a sublithic wacke with 40% detrital clays. The framework components are very fine-grained and consist of monocrystalline and polycrystalline quartz with few chert grains. The grain shapes are sub-angular to sub-rounded. Matrix consists of detrital clays such as kaolin and illite and silt. Quartz overgrowth cement can be sporadically seen around detrital quartz grains. Siderite is present in both micrite and spar phase as cement patches. It substitutes clays and silty grains, marginally replacing them.
There is no porosity in this sample.
The sand grains are floating in the matrix.

Composition

Framework	Quartz	monocrystalline	25%
		polycrystalline	15%
	Sed rock fragments	chert	5%
	Fossil fragments		Tr
	Muscovite		3%
	Glauconite		Tr
	Heavy minerals	zircon	Tr
	Organic matter		2%
Matrix			40%
Cement	Quartz overgrowth		Tr
	Siderite		10%
Porosity	Secondary	fracture	Tr

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. Siderite is common. Kaolin and illite have broad peaks that suggest a range of compositions.

SEM Description

The scanning electron images illustrate a very tightly packed rock that consists of quartz grains and irregular, flake-like clay platelets. The sample shows no porosity.

Sample/Depth: **Merrimelia # 17, Core 3, 7148 feet 4 inches**

Macroscopic Description

The sample was cut through a pale-grey siltstone with dark grey mottles, siderite patches and sideritized water escape structures. It represents a palaeosol. The rock shows no porosity.

Thin Section Description

The rock is a sublithic wacke, with 37% detrital clays. The framework components are very fine-grained and illustrate sub-angular to sub-rounded grain shapes. Monocrystalline, polycrystalline quartz grains and some chert form the rock framework. Chert fragments show partial alteration to clays. Matrix consists of detrital clays such as kaolin and illite and silt. Quartz overgrowth cement was sporadically seen around detrital quartz silt. Siderite is present in a micrite phase as cement patches, substituting the clays and surrounding the silt-sized material and in a spar phase, occupying rootlets textures or water escape structures.
Porosity is almost absent, excepted for a few very small pores throughout the clayey matrix or spaces situate in the central part of the rootlets. The pores are not interconnected.
The grains are floating in the matrix. Mainly straight mica but sporadic distorted features are present.

Composition

Framework	Quartz	monocrystalline	25%
		polycrystalline	15%
	Sed rock fragments	chert	5%
	Muscovite		2%
	Glauconite		Tr
	Heavy minerals	zircon, tourmaline	Tr
	Organic matter		1%
Matrix			37%
Cement	Quartz overgrowth		Tr
	Siderite		15%
Porosity	Primary		Tr
	Secondary	fracture	Tr

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the dominant mineral. Siderite peak is high; kaolin and illite peaks are well represented, with almost equal broad peak areas.

SEM Description

Scanning electron photomicrographs illustrate a matrix-rich rock. Detrital clays wrap around the framework grains and fill the available pore spaces. Sporadic, clay cementation is incomplete. This results in small, elongate pores with no interconnectivity.

Sample/Depth: **Merrimelia # 29, Core 1, 7100 feet**

Macroscopic Description

This sample was selected from a buff, oil stained, moderately sorted, medium-grained sandstone. The rock presents planar cross bedding and represents a fluvial channel sand. Core analysis results show porosity = 21%, permeability = 787mD, oil saturation = 16.9%.

Thin Section Description

This slide was cut through a moderately sorted, fine litharenite, with sub-angular to angular grains.

Quartz is mainly monocrystalline. The feldspars were altered to kaolin. The sedimentary rock fragments are affected by alteration. Matrix, in a small proportion, consists of clay and silt. Quartz overgrowth cement is well developed in this sample. Kaolin totally or partially fills some of the primary and secondary pores and pore throat spaces.

A good primary porosity is maintained in this sample. Its reduction has occurred mostly due to quartz overgrowths and kaolin. Dissolution is intense, affecting the quartz grains, quartz overgrowths, and rock fragments. Microporosity occurs between the kaolin framework. Most of the pore spaces are open, large and clean. Oversized pores due to dissolution contribute at the very good interconnectivity between the grains from this sample.

Straight line or concave-convex contacts illustrates the degree of compaction.

Composition

Framework	Quartz		monocrystalline	30%
			polycrystalline	13%
	Sedimentary rock fragments		silt and mud chips	3%
			chert	18%
	Muscovite			Tr
	Heavy minerals		zircon, sphene, tourmaline	Tr
	Organic matter			Tr
Matrix				2%
Cement	Quartz overgrowth			7%
	Clay		kaolin	7%
	Siderite			Tr
Porosity	Total			20%
	Primary	intergranular		10%
	Secondary	dissolution		5%
	Microporosity	kaolin-framework		5%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows quartz as the main mineral. The kaolin and illite peaks are well represented, with illite having a broad peak, suggesting a multiple composition. There are traces of siderite.

SEM

Under the scanning electron microscope, the sample shows quartz grains and lithic fragments, frequently covered by clays. Quartz has prismatic or rhombohedral terminations. The pore system has good interconnectivity with large pores (up to 250 μm) protected by quartz overgrowths. Clays, where present, partially fills some pores or pore throats.

Sample/Depth: **Merrimelia # 29, Core 1, 7104 feet**

Macroscopic Description

This sample was selected from off-white, fine-grained, cross-bedded sandstone from the top of a point bar deposit. The rock presents grey, silty wisps. Core analysis results show porosity = 9.6% and permeability = 0.37mD. The sample is situated under the oil/water contact.

Thin Section Description

This slide illustrates to a very well sorted, fine-grained lithic wacke, with sub-angular grain shapes. Quartz is the dominant component of the framework, with monocrystalline grains being preponderant. The feldspars are altered to masses of kaolin. The sedimentary rock fragments are common. Some of them are well preserved but some are altered, constituting source for clays formation. Matrix consists of clays such as detrital illite and kaolin. Quartz overgrowths are not abundant. Authigenic kaolin fills almost all of the pores and pore throat spaces, with small amount of primary porosity left. Organic matter such as dead oil is present in the pore spaces.
There is no effective porosity in this sample, due to the intense cementation. The pores are not interconnected. Dissolution affected both the quartz grains and rock fragments but the secondary porosity formed was obstructed by clays cementation. Microporosity is observed between the kaolin booklets.
Tangential to straight-line contacts, bent or fractured mica illustrates the degree of compaction.

Composition

Framework	Quartz	monocrystalline	25%
		polycrystalline	5%
	Sedimentary rock fragments	chert and mud chips	25%
	Muscovite		Tr
	Heavy minerals	zircon, tourmaline	Tr
	Organic matter		2%
Matrix			17%
Cement	Quartz overgrowth		3%
	Clay	kaolin	8.4%
		illite	3%
		chlorite	Tr
		siderite	2 %
Porosity	Total		9.6%
	Primary	intergranular	3%
	Microporosity	kaolin-framework	6.6%

XRD Analysis

The XRD trace was run on an oriented smear and, based on peak height, shows illite as the dominant mineral. Kaolin and quartz peaks have almost equal heights and there is a trace of siderite. Illite and kaolin peaks have broad peaks, suggesting a variety of compositions.

Sample/Depth: **Merrimelia # 29, Core 1, 7136 feet**

Macroscopic Description

The sample consists in a buff, fine to medium grained, cross-bedded sandstone from a crevasse splay deposit. Porosity and permeability readings are 13% and 10mD, with no hydrocarbon indication.

Thin Section Description

This slide was cut through a well-sorted, medium-grained litharenite, with sub-angular to sub-rounded grains.
Quartz is the main mineral of the framework with a high amount of it being monocrystalline. Feldspars are absent; they are assumed to be altered to kaolin. Dissolution affects the quartz grains and the sedimentary rock fragments. The small amount of matrix consists of clay with some silt. Quartz overgrowth and kaolin are the main cement phases. Traces of siderite are present in some pore spaces or replacing quartz grains.
The porosity has mostly been reduced by quartz overgrowths and by kaolin infilling primary pore spaces.
The degree of compaction is illustrated by the tangential and concave-convex contacts.

Composition

Framework	Quartz		monocrystalline	30%
			polycrystalline	20%
	Sedimentary rock fragments		mud chips	7%
			chert	13%
	Muscovite			Tr
	Heavy minerals		zircon, sphene	Tr
	Organic matter			Tr
Cement	Quartz overgrowth			6%
	Clay		kaolin	5%
			Illite	1%
	Siderite			2%
Matrix				3%
Porosity	Total			13%
	Primary	intergranular		7%
	Secondary	dissolution		2%
	Microporosity	kaolin-framework		4%

XRD Analysis

The sample was prepared as an oriented smear and shows quartz as the dominant peak. The kaolin and illite peaks are minor in comparison and not quite sharp, indicating a compositional range.

APPENDIX 3.3

GRAIN SIZE MEASUREMENTS IN THIN SECTIONS

(MICRONS)

Well name	Beanbush 1	Beanbush 1	Telopea 2	Telopea 2	Merrimelia 7	Merrimelia 3	Merrimelia 17	Merrimelia 17	Merrimelia 7	Merrimelia 17	Merrimelia 15	Merrimelia 15	Merrimelia 29	Merrimelia 17	Merrimelia 29	Merrimelia 29
Depth (ft)	8716'	8723'	8186'	8174'	7065'	7542'	7113'	7148'	7108'	7078'	7120'	7114'	7100'	7105'	7136'	7104'
Scaling factor	*2.7855*	*2.7855*	*2.7778*	*2.7778*	*2.7855*	*2.7855*	*2.7855*	*2.7855*	*2.7855*	*2.1413*	*2.1413*	*2.7778*	*2.7778*	*2.7778*	*2.7778*	*2.7778*
	60.04	124.97	47.23	155.85	118	87.33	45.68	82.42	53.16	171.59	83.45	75.06	77.54	78.41	67.29	144.5
	55.03	101.64	63.3	150.08	92.07	38.95	32.37	107.12	28.97	119.16	99.32	87.72	125.71	79.33	142.92	91.95
	49.33	89.13	69.86	222.01	78.74	59.45	20.14	88.05	25	81.16	104.25	42.59	49.73	40.34	81.01	91.83
	61.08	133.56	64.17	156.23	84.8	57.28	8.27	60.84	83.79	146.95	94.67	24.46	97.97	29.92	131	105.91
	64.04	110.49	40	109.41	65	43.79	19.11	92	53.81	157.53	73.78	33.17	93.12	75.35	101.01	44.67
	67.59	61.31	50.3	87.41	43.54	46.43	51.01	36.36	132.41	181.07	94.14	32.96	177.38	57.04	106.25	48.11
	56.59	76.58	61.26	138.21	41.8	67.25	2.07	95.53	165.21	56.06	120.04	39.22	72.02	137.74	72.4	93.69
	19.99	71.01	65.33	91	108.81	68.29	15.51	8.63	96.8	73.48	113.81	43.82	65.47	80.54	166.75	86.23
	46	41	45.22	73.42	83.56	57.14	6.2	77.62	57.54	32.02	84.93	45.01	66.09	40.53	90.65	36.01
	45.03	72.61	145.64	69.18	47.37	58.95	6.2	26.08	56.5	78.99	60.61	18.65	83.02	20.14	110.13	81.69
	44.01	74.43	72.4	126.19	38.06	78	25.19	21.64	77.03	63.38	89.12	52.37	62.22	138.78	61.24	42.56
	71.58	42.08	52.04	152.54	27.42	45.02	12	102.55	36.06	36.72	87.76	45.07	85.58	42.39	56.63	28.8
	59	39	22.02	125.38	64.11	81.03	14.15	73.08	51.68	67.04	93.6	46.51	43.71	172.74	330.28	71.92
	56.95	116.34	50.92	155.57	74.72	69.28	41.13	28.02	56.95	85	85.95	68	139.71	116.07	34	51.94
	118.12	61.43	75.18	130.21	53.57	84.17	25.74	34.91	112.81	39.95	116.13	39.72	88.58	50.17	67.39	89.35
	35.16	108.51	68.6	185.34	44.16	21.81	9.67	40.12	128.16	124.9	99.52	65.78	73.44	55.55	64.96	29.24
	50.33	62.01	56.18	116.18	70.11	18	46	42.59	219.7	52.01	77.6	73.81	35.15	33.33	57.71	49.9
	55	96.44	37.01	90.25	60.9	30.14	25.79	79.73	218.32	122.69	146.59	51.93	33.61	48.04	53.03	67.73
	81.91	31.12	79	215.27	53.9	35.94	35.16	53.08	65.76	95.83	145.33	53.88	39.48	66.23	106	70.49
	92.35	67.75	99.6	152.02	61.31	31.73	15.1	57.15	126.38	120.65	98	41.01	86.9	71.27	21.16	37.41
	63	51.1	80.22	192.85	112.17	28.05	16.63	35.74	149.99	83.28	121.79	26.15	19.76	92.07	134.18	74.94
	42.57	73.51	60	113.58	115.86	50.01	25	54.06	156.81	69.98	76.89	33	28.06	79.25	57	48.42
	140.47	75.06	52.03	68.14	51.91	61	49.6	18.12	140.09	83.39	48.48	29.63	21.41	38.15	76.88	81.65
	68.72	61.12	52.17	91	87.74	53.81	11.09	18.73	47.96	179.63	95.94	45.43	45.74	137.74	112.05	60.22
	72	61.58	89.6	160.41	75.3	75.21	32.22	45.14	24.82	247.09	50.15	42.83	44.85	36.42	97.35	65.14
	43.54	60.6	118.62	123.68	79.52	77.35	11.77	48.18	34.6	126.46	61.2	80.02	111.44	48.01	139.47	94.01
	65.77	44	48.4	109.43	64.88	70.73	19.87	38.41	174.6	172.44	83.28	31.16	41.9	76.26	70	65.16
	65.48	31.31	25.97	114.78	54.09	103.45	34.29	54.25	127.04	164.06	76.35	38.76	91.69	53.02	128	98.92
	34.63	50.52	77.58	223.2	85.68	65.99	24.3	41.45	259.47	132.54	97.49	33.64	102.81	44.89	148.71	71.42
	39.3	87.81	65.57	133.22	58.94	64.7	45.71	27.08	204.99	132.47	36.52	15.21	67.2	76.57	162.97	29.16
	60.63	57.08	24.93	102.09	52	21.16	36.94	49.64	247.73	200.14	60.27	31.43	59.04	64.19	186.32	83.34
	109.42	49.26	115.59	164.94	87.78	55.37	23.57	25	256.71	149.08	133.04	62.31	77.71	28.07	228.1	55.64
	95.37	36.19	78.71	138.73	141.24	51.86	34.77	18.64	119.91	121.86	134.11	52.45	144.47	72.07	109.48	65.61
	154.1	50.68	40.68	140.26	51.04	69.83	25.51	36	66.04	247.86	66.19	64.01	120.29	71.5	201.21	61.83
	98.04	22.86	70	128.3	111.24	52.49	18.27	4.32	44	214.98	82	33.14	106.64	92.33	87.89	74.64
	162	44.3	51.39	59.97	99.7	38.26	21.92	52.01	274.75	77	56.12	36.49	89.35	116.95	64.41	82.29
	78.01	39.91	53	45.46	85.65	49.49	34.76	41.42	401.29	174.11	221.12	23.51	76.11	69.89	158.28	72.72
	130.21	45.96	37.71	18	72.26	29.15	41.87	20.9	376.05	115.58	27.61	58.08	51.98	38.27	166.15	33.81
	80.69	48.84	31.23	47.29	63.08	35	34.09	48.36	284.49	152.21	75	72.24	51.17	125.62	111.45	60.08
	129.58	57.05	42.26	183.53	85.06	81.48	25.19	37.06	40.93	117.21	57.91	29	62.26	100.33	267.09	13.54
	100.31	30.01	117.84	119.61	163.07	79.26	13.77	17.03	124.42	107.94	111.55	67	49.11	104.44	72.47	61
	37.39	57.01	84.05	161.03	96.35	56.38	27	57.72	66.18	125.58	78.28	35.06	87.36	57.45	81.71	86.4

55.23	102.89	226.54	71.24	48.01	75.78	36.04	51.28	49.27	125.98	88.19	38.72	63.69	47.99	121.37	99.73
47.01	22.47	72.06	23.89	88.1	65.42	23.53	52.42	121.1	83.56	48.14	30.39	31.92	65.79	101	69.28
62.18	99.04	34.59	63.4	60.88	60.01	18.85	88.3	104.62	129	79.03	34	46.1	71.49	134.85	59.49
105.86	64.73	67.82	69.39	51.52	73.43	28	18.83	102.4	139.06	151.13	53.65	41.48	73.16	124.73	52.2
62.56	86.22	86.03	62.81	73.12	63.85	21.28	32.87	109.69	117	67.61	54.87	89.7	65.47	47.45	69.85
44.1	87.3	34.45	116.57	58.95	70.32	20.11	39.5	93.45	118.75	65.1	39.39	59.23	143.03	118.9	73.97
33.33	47.95	58.21	92.98	32.02	105.78	34	23.78	98.24	136	85.51	52.69	118.88	41.36	97.46	105.71
72.67	42.91	46.56	177.25	64.12	43.61	32.15	40	242.7	114.36	79.41	39.94	65.17	48.16	106.97	71.01
51	82.7	22.33	189.52	48.27	51.01	37	83.33	140.55	160.83	64.13	41.94	50.04	31.43	51.95	53.45
45.46	31.07	57.65	164.34	54.36	42.57	63.95	58.98	91.35	142.63	160.55	33.15	34.03	58.17	47.8	42.81
41.88	32.27	66.12	171.12	57.02	44.67	25.19	66.03	100.05	179.61	89.96	27.03	167.97	83.86	111.28	82.27
38.67	31.15	49.65	131.3	75.43	55.6	23.57	14.48	136.56	143.05	75	71.01	207.32	93.36	43.86	56.1
52.04	45.3	59.49	23	53	31.65	28.3	19.45	146.23	115.55	63.37	59.03	106.35	82.68	23.89	97.44
50.42	45.29	68.74	185.69	102.81	55.78	14.48	34	123.67	179.48	113.19	18.27	72.6	80.02	69.87	75.01
41.55	74.68	74.31	135.46	40	60.51	15.32	29.66	99.96	135.4	71.26	32.21	54.5	59.03	49.88	62.37
24.82	114.7	114.39	124.31	68	40.12	34.06	35.55	178.37	241.51	70.02	22.33	104.25	67.93	42.81	43
62.17	63.87	84.23	125.03	101.03	62.75	33.23	27.94	143.06	68.44	78.58	53.33	79.27	67.29	64.84	30.07
64.42	104.96	44.31	58.52	32.44	30.02	31.17	45.41	158.5	214.03	85.47	44.25	225.79	61.97	38.72	38.71
59.01	34.21	58.36	252.2	1	50.42	19.47	139.02	93.75	291.74	45	45.07	75.18	74.68	126.91	5
43.77	82.53	76.69	147.12	107.17	48.04	44.57	85.91	156.56	213.24	66.81	60.48	76.98	34.52	68.33	51
64.5	107.09	58.6	113.78	149.06	48.77	15.54	62.14	141.39	168.86	103.02	39.34	74.79	51.67	10.39	90.82
15.56	39.41	48.92	127.94	75.01	36.32	16.53	46.1	61.95	187.59	70.05	92.43	61.3	73.49	35	141.5
51.01	94.43	101.89	123.14	85.44	69.33	32.27	53.78	75.73	133.05	65.93	49.68	98.45	140.89	50.91	61.59
24.09	25.98	111	104.93	93.45	58.23	35.06	36.55	83.82	40.98	89.12	71.83	88.76	116.48	53.55	53.93
64.21	24.09	121.29	229.83	111.69	33.58	8.7	46.78	71.24	67.86	66.89	21.3	62.26	58.65	52.45	53.58
20.27	16.61	117.8	152.68	85.11	41.8	20	59.1	146.3	82.64	55.23	41.3	37.31	68.2	61.83	77.25
220.06	55.23	66.34	98.28	59.73	24.1	28.21	54.78	141.03	60.09	84.68	28.06	71.65	91.72	34.74	57.51
151.41	65.72	33.24	67.54	117.95	68	26.11	64.01	179.23	127.19	45.95	60.77	58.34	58.07	163.95	63.01
50.87	42.56	82.24	113.97	40.37	47.77	34.65	86.4	197.13	98.92	59.52	50.56	89.26	114.17	140.92	75.99
45.15	37.06	59.91	106.45	53	35.31	25.98	52.82	107.11	142.55	180.27	57.84	66.49	17.91	160	44.77
100.43	71.34	100.54	82.23	79	31.08	46.38	59.92	156.45	54.84	70.2	56.47	91.96	26.15	114.37	39.15
107.19	51.67	64.96	96.91	39.77	61.17	25.43	7.92	290.13	43.54	156.36	33.48	37	47.44	129.71	37.61
101.8	103.57	84	163.18	54.09	56.09	36.33	31	190.28	130.63	110.79	50.53	40.74	76.38	130.09	65
82.82	40.33	80.03	87.28	78.15	56.06	50.02	24.35	162.33	65.68	99.14	73.42	84.39	120	77.92	48.45
67.13	80.9	51.94	48.13	90.36	52.49	21.63	15	221.04	51	80.74	47.8	64.96	50.44	39.68	15.43
51.95	16.55	22.02	57.6	71.9	35.56	29.86	10.22	82.73	66.82	177.09	18.86	40.98	64.06	34.02	71
82.9	122.47	71.1	79.39	67.42	40.34	9.23	25.16	142.93	95.85	89.16	30.65	58.33	49.27	27.67	27.18
104.13	62.48	70.52	66.39	89.01	57.14	25.09	31.07	105.91	90.63	142.05	53.04	42.43	40.69	33.18	29.24
70.19	53.81	55.47	63.65	63.14	38.62	26.91	34.91	192.9	91.14	63.82	40.49	88.42	53.09	61.68	19.76
59.63	47.77	109.42	147.35	102.01	45	18.03	29.46	103.41	140.79	65.02	29.46	47.45	15.78	117.4	41.57
96.57	72.61	90.11	64.11	70.73	18	34.18	20.9	62.22	154.11	50.07	35.65	27.03	75.63	129.83	63.53
80.49	99.6	78.87	60.01	85.09	77.06	33.99	21	123.06	64.13	116.36	61	35	81.59	27.09	68.14
62.12	95.31	96.95	97.49	88	31.08	74.26	34	92.11	154.02	134.36	53.36	4.51	147.38	31.17	116.37
80.62	109.83	54.02	149.07	85.14	72.01	48.31	25.39	139.09	102.45	75.17	34.39	31.74	87.13	27.04	73.71
63.61	59.9	62.64	127.43	111.28	80.14	27.92	2	193.92	22.5	106.15	39.2	9.91	54.11	45.07	69.17
103.53	56.4	57.31	99.36	62.12	56.17	43.48	4.32	95.18	70.56	41.17	54.25	45.25	100.9	22.6	73.37

63.23	61.32	30.13	167.3	63.08	62.8	42.78	23	77.84	80.68	84.51	45.01	36.92	123.76	29.74	57.24
80.01	62.22	45.01	236.22	100.06	43.25	55.01	27.92	128.16	59.94	98.33	50.07	115.29	103.55	63	59.43
107.48	164.43	64.97	203.21	70.96	31.27	36.86	26.68	143.07	45.65	67.6	62.7	156.01	193.67	97.36	47.96
165.42	131.1	85.6	118.89	73.67	45.05	40.65	18.61	44.51	177.79	82	26.69	201.56	72.01	98.77	90.78
84.29	54.09	241.47	177.02	92.69	71.03	63.03	11.77	172.61	151.18	32.07	19.76	109.05	62.22	126.24	62.73
55.2	80.44	98.76	106.61	62.69	83.23	34	6.49	144	171.18	45.88	24.93	46.75	96.81	156.42	90.78
48.17	56.79	138.87	107.79	110.61	79.97	45.18	16.58	142.57	185.46	73.58	33.15	95.82	134.18	71.83	81.17
75	54.48	106	90.33	142.34	64.01	67.07	54.82	127.26	135.04	28.89	27.4	44.39	75.47	117.78	53.97
175.79	57.74	58.01	92.99	99.01	35.67	47.66	6.2	214.29	99.77	76	34.3	89.15	88.06	136.53	78.96
159.73	36.54	111.18	59.74	145.5	33.79	42.71	12.45	128.72	150.53	108.83	20.03	68.33	64.01	144.46	84.65
106.99	37.18	114.63	149.13	64.71	28.06	49.89	11.38	195	171.71	66.81	36.36	63.21	127.64	60.62	52.9
53.84	27.05	75.26	78.98	72.02	48.18	12.69	40.38	175.68	161.04	184.96	22.64	105.53	75.68	79	59.32
55.44	28.4	25	201.93	90.49	80.17	20.94	21.81	117	198.56	83.77	40.14	90.39	73.44	109.48	64.13
107.22	27.18	69.18	122.21	102.48	29.34	11.43	37.23	133.04	164.67	56.48	45.56	141.33	110.43	96.81	72.11
70.92	33.91	76.08	127.82	47.91	61.04	51.35	14.48	231.84	69	174.2	47.29	95.64	77.13	63.24	47.76
72.24	42.01	62.78	125.71	84.66	37.13	27.92	30.14	107.55	47.38	90.47	39.32	91.51	146.91	50.39	59.8
44.11	55.16	77.04	143.21	46.17	37	30.28	33.23	112.72	214.88	127.23	30.02	70.43	90.41	127.3	43.94
93.21	66.19	92.29	39	120.64	26.54	63.41	28.02	108.18	109.67	86.47	54.45	120.75	80.03	71.74	98.05
64.77	115.14	45.97	54.02	100.55	32.6	18.7	37.23	121.65	36.18	59.49	66.07	61.3	68.15	90.1	106.63
77.63	147.37	32.15	221.55	69.54	37.38	45.3	21.27	147.55	69.19	37.39	46.82	78.36	75.95	72.12	53.11
58.45	143.18	53.32	401.49	63.11	46.05	29.47	43.86	95.76	170.4	41.88	39.02	121.79	70.36	122.31	28.07
62.22	67.39	59.35	301.44	98.02	66.31	37.15	33.39	115.84	161.64	75	65.07	47.96	147.65	99.66	28.48
65.21	76.29	102.21	134.05	106.01	69.28	42.04	33.22	98	135.52	94.29	39.49	39.06	171.81	141.98	91
68.34	78.11	88.01	90.29	52.42	37.23	19.9	22.52	80.81	97.81	129.17	37.49	43	143.36	139.84	56.42
60.72	75.23	42.78	66.33	49.65	83.86	30	47.44	105.23	92.49	91.13	18.9	87.88	95.37	125.32	48.87
85.1	82.48	62.21	97.71	111.78	33.11	5.54	52.75	97.12	35.51	108.13	23.02	148.08	99.87	154.03	61.08
16.66	72.2	46.19	169.01	99.24	32.69	43.05	53.77	110.41	45	117.38	36.72	68.24	6	180.84	69.07
79.43	65.56	85.29	99.14	125.68	44.48	34.59	65.03	49.22	100.04	66.19	43.23	28.07	60.39	163.22	31.17
16.61	70.11	48.1	122.74	56.08	94.36	29.47	57.37	56.67	73.94	66.11	42.78	34.84	77.8	109.89	58.92
108	83.06	45.56	127.07	1.44	42.45	58.23	38.27	33.33	92.89	98.76	39.2	201	72.22	55.1	75.8
160.88	99.12	66.68	219.58	97	24.81	31.07	36.67	161.36	57.46	55.78	24.56	83.44	134.75	66.18	94.66
92.14	80.71	67.65	154.54	121.32	51	30.01	18	94.86	71.05	111.78	55.97	99.73	60.26	48.28	96.83
97.94	104.79	57.76	90.11	166.4	59.13	13.66	20.42	152.89	36.13	115.95	35.06	48.5	231.39	34	47.92
74.4	64.89	21.32	74	102.1	31.42	46.53	29.76	239.09	97.68	72.12	38.01	49.39	77.05	57.45	77.25
76.11	84.65	41.3	63.48	69.59	12.27	33.79	48.08	89.44	79.16	70.69	44.7	98.05	67.2	13.17	98.05
48.2	103.01	27.31	319.32	85	38.15	78.12	9.01	63.67	135.22	119.88	21.03	31.09	42.59	36.01	147.27
57.1	25	29.51	75.95	32.3	63.41	22.6	16.55	58.08	178.89	78.87	38.72	29.24	49.36	53.5	50
43.86	51	33.38	192.57	77.57	75.36	50.1	22.95	106.3	119.51	62.1	30.98	37	16.24	103.03	89.5
36.84	61	50.17	166.98	50.52	42.55	42.05	29.07	80.63	144.92	55	28.69	38.29	68.65	74.59	100.01
33.22	34.04	26.45	29.46	52.84	56.89	43.01	10	119.96	108.5	71.68	46.03	45.89	45.55	185.87	168.73
56.03	87.3	74	46.59	84.2	49.24	42.05	24	71.89	83.45	99.02	56.63	41.79	62.92	170.84	27.18
42.11	62.38	152.08	31.17	97.82	40.01	39.49	58.08	168.29	90.72	103.72	34.3	115.5	120.4	133.57	24.93
74.24	37.24	71.1	60.32	66.65	68.21	40.05	4.14	91.74	57.67	100.14	27.03	129.08	57.34	121.65	76.21
36.01	47.05	25.41	14.54	92.28	71.66	15.54	47.61	148.29	121.32	80.57	33.18	61.85	78.33	148.35	58.45
33.47	27.72	44.2	40.71	112.55	39.26	33.4	31.65	151.46	146.38	65.92	50	133.52	130.48	105.45	42.64
83.79	57.78	74.28	80.7	117.99	77.66	44.3	21.53	200.16	93.61	95.38	51.39	29.92	141.33	174.08	59.42

93.47	96.19	57.04	211.75	103.52	51.4	34.6	10.82	78.68	95.91	71.71	57.04	68.79	149.92	172.38	79.74
46.53	45.76	53.44	75.47	71.08	58.07	49.54	38.25	58.09	192.47	91	37.4	53.92	107.12	142.66	109.18
48.2	1	42.98	181.32	98.39	35.24	21.63	26	159.83	134.98	77.25	33.15	95.1	97.8	110.17	10.87
81.25	108.07	90.37	17.5	25.07	36.21	47.72	6.2	163.05	229.15	46.31	58.37	142	140.64	36.22	69.19
54.44	123.1	51.45	119.89	32.31	17.83	59.31	12.04	127.16	95.25	35.81	26.02	50.43	91	30.39	90.48
15	75.83	47.8	41.46	80.01	57.06	42.37	26.64	122.37	155.4	56.03	31.18	36.51	108.18	13.75	34.6
52.06	74.25	74.03	135.68	44.29	16.75	43.01	44	112.48	92.72	75.15	54.05	61.27	46.94	54.8	65.45
98.96	54.01	23.2	114.61	29.66	51.05	68.87	41.56	121.35	167.05	87.65	43.82	91.83	119.89	31.07	110.7
55.03	62.54	38.49	136.88	70.27	32	25	33.02	96.15	118	88.04	32.8	37.46	45.06	13.19	36.38
59.98	73.45	47.1	267.87	104.06	43.05	24	18.28	71.22	100.72	158	18.7	101.59	34.02	55.62	78.11
92.62	145.37	94.87	195.15	97.09	73.59	14.01	57.23	147	98.01	143.45	41.07	84.73	1	44.21	65.41
87.04	159.82	66.85	75.9	60.04	64.18	34	33.91	141.19	116.45	227.15	25.63	83.12	59	109.8	61.69
43.31	216.39	52.3	71	24.81	72.46	23.21	43.77	155.03	176.15	154.31	67.14	64.21	68	57.85	87.13
20.26	124.71	40.71	42.52	14.39	65.03	36.37	34.56	147.6	56.31	146.6	34.51	35.71	100.32	36.75	75.86
41.97	99.09	31.13	38.45	70.75	34.18	29	39.03	128.79	116.12	140.02	59.08	71.8	77.06	61.5	81.3
26.33	112.37	109.76	83.28	38.26	56.41	22.47	98.6	94.99	143.1	127.7	64.68	45.72	109	91.78	82.05
61.02	60.88	69.93		42.62	87.97	13.91	38.01	192.37	96.01	133.45	65.01	84.2	136.42	156.58	59.11
67	108.15	59.12		48.17	25.72	20.24	29.72	69.29	94.07	137.7	33.61	42.98	149.06	98.01	69.64
50.19	125.37	14.6		65.47	54.12	23	20.9	76.78	82.28	263.38	42.05	78.62	150.32	100.24	59
178.63	47.31	30.17		35.26	37.67	43.23	43.84	107.58	92.1	155.94	109.18	62.34	75.68	88.55	62.1
53.31	152.72	64.69		22	61.12	31.06	28	114.57	72.35	214.08	49.01	51.26	119.95	70.03	63.83
111.64	155.01	18.9		34.04	44.48	17.37	36	183.86	91.99	87.65	38.44	65	111.8	118	42.78
140.68	214.64	92.02		67.61	55.68	32	14.51	179.05	78.6	83.14	58.01	61.01	81.93	102.03	72.97
73.18	77.44	57.37		25.19	25.34	41.36	28.1	69.19	77.16	66.96	29.09	27.71	79.46	73.74	33.26
87.61	57.75	16.65		59.14	66.59	27.08	27.92	50.43	89.41	121.14	29	81.76	40.12	60	27.69
84.94	73.96	75		13.04	42.01	17.28	37.13		116.84	119.16	57.33	83.59	94.55	51.32	27.18
143.46	78.08	31.35		42.08	64.89	35.02	15.19		122.51	97.04	31.42	62.96	63.88	14	33.3
83.86	48.17	187.66		52	73.18	30.8	35.54		161.09	112.57	31.81	47.66	150.17	112.64	40.05
143.6	67.6	83.11		22.1	19.9	35.23	22			45.43	19.4	71.96	82.57	49	98.55
125.73	19.11	158.6		48.28	39.01	16.08	99.89			70.32	39.5	41.27	62.66	173.2	71.11
85.09	86.48	146.93		31.02	41.69	39.31	45.04			104	32.15	55	70.55	53.56	95.83
52.8	95.02	185.71		65.19	35.14	20.68	41.47			187.77	30.98	53.25	45.46	9.43	57.01
92.82	55.25	147.58		48	74.46	41.01	17.02				44.84	58.32	74.07	22.86	69.75
57.21	69.64	65.01		59.33	25.31	86.63	40.12				50	34.58	86.6		40.53
72.58	66.79	93.97			40	45.3	31.61				36.36	77.14	114.28		68.57
89.97	39.55	117.75			75.03	14.48	6.89				44.78	70.83	143.55		94.23
61.01	28.12	124.49			68.13	34	38.71				34.04	41.66	124.08		110.89
113.75	62.03	71			90.48	27.99	24.82				153.04	47.78	77.58		47.56
105.82	129.65	76.09			74.1	44.57	16.58				17.5		12.82		99.89
110.52	123.66	68.74			46.42	35.39	41.97				43.05		95.58		58.59
162.85	71.1	51.09			58.14	40.34	22.08				19.82		48		47.8
140.09	86.67	55.09			57.14	54.73	10.39				63.37		69.61		41.5
82.26	70.06	49.38			32.42	27.25	28						29.02		35
59.14	93.48	38.72			72.39	26.89	54.15						73.71		32.44
39.69	76.85	29.8			50.32		23.09						62.1		37.73
64.5	73.37	51.07			60.04		29.07						57.01		58.64

APPENDIX 3.4

PORE SIZE MEASUREMENTS IN THIN SECTIONS

(MICRONS)

Well name	Beanbush 1	Telopea 2	Telopea 2	Telopea 2	Merrimelia 29	Merrimelia 15	Merrimelia 17	Merrimelia 17	Merrimelia 29	Merrimelia 7
Depth(ft)	8735'	8189'	8188'	8174'	7100	7120'1/2"	7078'21/2"	7105'	7136'	7108'4"
Scaling factor	*2.7778*	*2.7778*	*2.7778*	*2.7778*	*2.7778*	*2.1413*	*2.1413*	*2.7778*	*2.7778*	*2.7855*
	211.19	135.65	70.93	112.74	243.09	63.61	57.01	173.8	50.72	190.74
	57.63	68.45	70.26	75.41	183.03	92.19	121	109.5	33.17	45.37
	216.54	63.69	88.93	96.9	37.39	21.38	157.79	173.68	37.71	24.44
	60.35	59.33	95.54	60.82	30.31	91.8	127.57	126.08	34.65	23.29
	44.97	66.52	135.63	72.54	29.63	51.27	29.41	73.89	20.63	54.48
	48.07	79.75	144.47	58.65	37.8	70.98	41.84	33.22	71.59	49.65
	70.9	58.13	201.9	18.11	15.43	24.59	10.88	22.58	41.79	32.31
	63.36	42.32	89.59	48.87	35.2	40.98	81.55	62.61	67.34	56.72
	135.98	35.67	38.49	54.06	25.94	25.39	64.02	23.02	51.1	49.95
	94.86	50.11	30.02	37	30.17	20.5	29.46	75	87.72	49.64
	33.22	61.77	128.15	81.28	56.67	29.34	31	90.88	110.3	55.16
	62.48	9.24	42.64	45.39	82.06	46.49	41.87	26.15	49.27	72.46
	101.61	22.13	35.02	81.56	32.21	115.97	42.33	70.12	68	82.73
	53.45	23.78	18.07	30.8	31.55	88.76	69.85	35.1	29.33	28
	49.23	58.38	184.66	96.02	53.99	68.67	77.05	51.7	49.39	124.41
	38.02	75.75	190.13	147.91	103.13	48.31	68.34	38	45.05	112.96
	50.45	42.51	237.11	71.21	119.68	19.6	54.57	45.29	155.51	81.42
	148.45	70.31	53.13	44.72	57.57	31.4	55.33	39.23	140.06	81.55
	81.81	33.92	68.95	38.31	57.51	27.59	73.49	23	58.62	45.51
	88.12	30.8	63.62	47.97	32.03	108.78	51.71	31.17	64.46	23.51
	125.04	34.03	62.97	24.95	34.92	84.38	67.22	52.07	36.55	6.35
	116.5	13.65	33.33	22.6	73.61	67.13	52.7	33.3	156.57	127.43
	45.41	31	74	29.3	44.78	152.85	72.89	78.26	133.7	115.02
	23.47	43.85	48.04	74.38	46.64	49.28	44.77	46.89	73.69	48.47
	143.06	15.7	30.67	47.56	17	38.06	89.79	30.72	103.4	127.07
	22.5	21.91	37.71	62.22	94.01	108.17	142.63	23.43	64	127.16
	20.64	64.21	145.64	70.66	28.02	85.71	117.48	39.04	115.34	44.84
	18.72	53.35	63.65	42.22	73.06	73.35	118.48	45.43	35.5	13.78
	152.97	53.33	77.33	27.78	54.02	46.48	57.18	41.89	24.42	15.64
	216.77	64.19	89.06	139.25	56.01	41.92	101.71	35.38	41.03	29.85
	96.42	107.08	221.25	54.22	29.56	42.46	37.43	19.74	109.18	19.65
	274.83	56.98	365.71	41.86	52.37	48.46	58.44	41.05	77.59	15.84
	290.44	43.99	316.54	85.79	53.32	15.95	95.6	90.14	127.35	70.92
	222.02	94.63	247.53	79.98	48	50.3	47.28	67.2	80.62	50.54
	139.38	70.54	277	86.4	31	29.37	66.38	123.96	136.25	126.46
	230.8	80.71	91.71	45.82	35	57.44	89.77	107.03	43.54	86.18
	392.53	18.25	95.59	92.4	23.06	62.36	62.89	141.61	45.19	117.58
	127.33	23.99	284	47.8	70.71	49.03	49.92	133.77	58.81	71.31
	275.24	80.98	121.76	76.23	18.49	43.65	55	60	98.05	87.93
	166.87	100.28	104.02	84.29	12.47	45.17	71	49.85	31.02	100.73
	123.6	62.95	189.35	90.22	35.38	35.98	72.14	57.82	33.17	50.94
	146.6	40.43	57.22	97.69	105.29	53	268.57	88.4	40.98	127.07

320.76	29.79	214.19	67.09	43.99	45.27	313.61	53.36	33.97	87.99
113.9	31.84	104	43.26	127.65	41.01	143.45	177.92	47.5	69.87
137.63	48	73.42	34.3	92.84	59.43	159.6	42.09	53.13	52.79
409.98	34.99	48.58	20.8	39.68	35.42	128.62	4.61	67.58	79.11
238.49	8.27	82.23	150.49	66.68	28.23	126.5	23	61.22	47.33
159.08	58.71	26.74	105.73	76.63	53.41	116.74	24.93	81.82	70.58
317.94	67.24	67.65	165.15	50.99	35.91	40.99	11.78	22.54	24.2
207.28	34.07	232.81	61.74	72.72	19.44	47.21	31.17	97.9	15.84
232.77	169.62	96.54	45.29	49.18	97	26.21	42	70.95	30.16
362.37	41.89	55.49	98.55	27.47	79	15.14	82.01	139.16	22.69
387.99	77.69	49.88	144.24	23	74.08	75.53	45.96	51.39	10.47
106.72	112.45	53.8	54.71	34.28	21.31	222.13	32.21	165.2	24.45
183.2	64.53	44.68	36.01	13.19	50.78	290.64	31.23	105.83	26.89
64.82	146.57	48.99	77.45	48.5	43.29	546.63	44	56.1	49.22
173.89	109.11	49.8	62.7	40.71	60.94	291.73	37.88	365.47	29.04
645.1	79.54	110.75	105.05	41.12	52.8	509.64	10.83	350.12	11.51
396.35	91.81	89.69	51.94	12.47	43.9	27.26	43.01	73	16.58
117.43	65.88	74.44	63.12	20.95	155.04	39.87	57.85	91.6	25.02
104.62	47.83	32.49	60.29	41.08	80.52	19.65	55.21	63.93	23.41
66.91	32.27	32.27	23.99	90.38	34	8.81	53.1	62.35	22.28
61.92	24.57	46.26	28.07	103.82	31.32	93.88	35.1	51.98	23.51
79.33	56.98	56.41	45.55	29.17	24.84	41.23	108	62.55	30.96
46.47	40.96	67.17	38.45	16.82	43.34	58.62	66.56	22.63	31.42
91.19	44.34	117.95	159.05	12.53	54.25	33.52	41.79	51.81	40.53
92.86	71.59	87.13	154.89	42.62	45.31	48.17	16.13	88.28	47.68
69.53	29.66	64.57	98.39	45.43	39	49.16	26.66	135.88	41.79
191.61	52.1	146.83	35.55	305.41	37.89	134.29	109.1	76.6	16.75
154.73	219.44	163.63	71.15	154.89	32.01	70.28	86	106.86	15.67
154.74	95.77	67.08	42.65	45.71	45.14	91.14	76.42	113.98	33.39
100.67	56.2	178.74	42.32	29.3	54.51	109.57	69.93	70.03	37.4
46.05	54.8	82.35	28.33	56.5	38.84	92.07	69.84	84.76	39.97
117.1	83.26	72	48.92	133.46	42.64	39.99	46.01	50.67	39.04
280.03	69.07	126.09	74.24	122.79	29.89	37.98	48.83	49.92	49.06
356.29	51.51	82.07	92.95	70.19	89.38	278.5	31.1	67.53	114.16
258.01	39.07	35.02	54.99	74.9	31	212.67	71.48	16	60.05
152.16	152.35	130.96	58.45	92.16	153.21	86.68	20.78	34.26	87.9
632.15	95.43	206.82	75.47	67.38	82.29	86.33	35.06	65.21	30.04
544.21	74.18	146.81	144.79	54.34	183.16	109.29	14.04	58.79	36.25
397.89	31.92	65.68	75.43	40.05	149.87	41.25	16.8	50.88	35
786.65	22	155.16	32.07	84.11	40.32	107.09	58.92	28.49	35.83
789.58	67.38	92.24	132.13	67.56	66.6	45.44	16.03	59.23	59.28
525.32	159.26	80.32	95.64	44	97.88	151.43	29.72	45.21	66.1
533.45	49.58	64	114.75	130.41	58.6	176.94	29.17	53.09	41.36
182.61	42.43	67.53	69.61	88.66	98.23	221.15	25.41	86.62	120.07
333.14	172.53	77.84	107.24	64.66	46.71	134.51	23.83	45.69	193.98
484.01	133.24	94.63	83	75.27	49.25	134.02	29.78	79.97	61

622.7	40.52	205.91	134.9	25.99	31.15	126.42	36.58	128.71	272.58
323.53	120.84	134.03	102.34	30.28	101.93	67.38	27.09	76.1	107.88
48.94	105.62	26.66	71.88	44.8	64.54	47.45	14	39.68	156.71
232.83	106.86	186.11	44.44	44.95	46.89	45.56	25.11	62	40.53
77.45	40.52	410.01	58.2	80.99	39.44	22.63	10.83	64.67	33.26
104.28	116.16	161.8	167.66	87.63	35.51	27.54	36.38	95.62	55.84
59.58	44	111.09	117.37	61	183.85	34.34	22.17	20.36	43.05
132.28	198.55	251.78	35.87	36.81	105.19	39.25	22.38	67.63	73.41
241.94	119.26	249.35	52.68	34.51	61.88	27.94	30.13	55.96	42.82
79.97	83.01	177.48	147	53.16	49.95	22.18	35.71	59.04	126.88
120.78	42.38	112.29	104.03	41.56	27.13	52.57	30.54	51.88	103.03
81.25	138.98	76.97	54	57.45	24.94	112.8	38.25	399.9	46.32
133.21	108.19	76.88	104.72	46.07	82.07	132.91	77.13	274.24	78.33
40.1	86.29	36.24	36.42	74.03	78.05	48.31	31	44.18	64.78
55.5	97.74	46.29	88.31	36.13	33.28	77.36	16.53	367.44	127.5
66.73	86.52	49.52	95.51	160.88	33.52	120.27	38.01	201.17	24.02
200.05	92.15	77.11	78.55	13.69	32.03	92.9	17.13	106.65	29.17
152.54	51.63	80.44	48	42.68	50.45	48.04	33.87	77.23	264.4
159.06	11	62.79	152.72	34.52	31.18	123.2	28.84	130.49	106.91
119.34	21.03	71.01	88.3	196.4	30.33	129.02	80.22	69.61	64.12
78.21	43.64	52.95	58.18	187.49	59.81	99.29	42.98	121.56	38.31
33.31	48.63	124.14	93.93	77.92	28.26	44.22	74.87	40	32.79
811.61	40.12	87.73	91.01	60	49.72	60.76	41.05	30.07	42.05
812.79	50.03	70.65	41.56	83.93	18.2	55.42	88.78	142.24	32.22
592.76	76.78	43.8	38.98	61.84	27.76	34.42	73	39.59	190.32
657.83	21.9	70.74	76.63	80.54	120.68	25.02	23.89	40.16	117.8
766.49	24.51	46.11	96.3	96.7	100.9	23.18	27.07	102.73	274.99
638.72	44.01	59.8	5.07	31.62	74.68	64	42.78	280.35	93.82
693.71	38.73	40.66	33.24	37	69.95	28.51	83.93	118.88	63.48
222.68	44.98	135.49	80.33	33.26	58.21	50.01	48.14	297.4	111.78
118.63	55.79	74.8	164.35	14.3	24.42	17.57	31.31	159.91	123.52
66.86	42.38	54.88	80.74	19	30.76	30.52	43.75	44.61	43.77
74.61	141.67	34.62	105.29	63	11.34	66.22	98.52	35.12	28.56
48.28	112.55	40.09	67.03	39.13	38.42	47.48	70.74	113.8	180.45
69.6	72.71	50.03	97.13	83.33	27.69	105.55	44.04	50.1	127.93
76.08	88.72	36.06	71.65	34.3	57.35	95.22	27.96	27.18	86.92
57.97	83.1	105.05	99.73	28.38	38.26	93.73	65.92	97.39	31
106.02	99.43	86.44	249.55	13.37	90	176.32	46.98	85.64	39.03
120.36	33.41	45.05	57.82	5.19	81.94	41.38	33.87	57	32.3
47.56	139.34	31.74	104.09	44.61	75.48	44.76	45.69	65.2	29.44
55.05	41.08	53.11	132	36.81	101.1	43.53	29.9	24.02	20.68
108.43	32.22	277.99	231.78	71.21	60.88	23.34	71.98	88.66	9.4
103.73	43.92	75.3	160.79	98.66	38.5	50.75	62.28	53.04	22.75
546.05	46.05	43.27	148.34	63.84	72.84	33.37	54.5	44.45	80.2
166.01	31	65.24	62.42	1	90.47	34.17	106.2	91.38	32.42
140.84	30	56.17	64.13	1	71.93	67.33	67.39	74.73	90.67

186.35	95.96	50.91	104.4	1	135.99	33.21	63.08	94.92	113.44
115.64	31.22	98.55	127.29	33.02	112.12	32.19	55.54	51.9	18
181.66	44.19	48	33.34	65.01	80.56	32.79	62.64	88.31	56.88
121.34	55.48	38.38	34	47.23	37.26	32.69	32.56	42.01	36.36
113.59	31.42	89.55	11.27	57.23	91.4	44.77	41.95	52.98	54.94
471.81	61	116	152.09	76.88	67.12	42.46	43.81	89.22	199.59
332.12	27.67	132.04	186.34	56.42	41.97	33.19	16.53	93.12	144.87
524.04	101.59	146.9	128.36	85.86	47.47	53.17	31.09	258.02	90.96
253.55	108.81	58.09	66.4	68.7	53.41	47.59	39.58	152.67	49.87
141.93	83.67	72.39	132	22.91	43.41	84.52	54.88	331.68	110.31
62.77	69.73	220.4	57.59	32.03	35.91	49.36	33.48	238.92	59.69
57.48	147.06	83.47	66.4	34.87	43.04	48.27	40.22	143.71	45.77
100.71	172.54	97.36	52.1	55.07	29.12	45	28.25	60.04	53
188.98	143.75	33.81	49.96	20	31.09	159.14	44	39.64	41.04
246.16	24.93	23.78	42.88	81.06	89.75	153.86	32.43	50.67	30.93
85.04	18.45	51.31	53	61.42	53.11	84.83	36.02	23.64	46.74

APPENDIX 3.5

CORRECTED VALUES OF GRAIN SIZE (PHI)

grsort beanbush 1-8723'

number of records = 198

number and fraction in phi range	0. to	1. is	3,	1.5152
number and fraction in phi range	1. to	2. is	45,	22.7273
number and fraction in phi range	2. to	3. is	107,	54.0404
number and fraction in phi range	3. to	4. is	38,	19.1919
number and fraction in phi range	4. to	5. is	5,	2.5253

Corrected values

number and percent in phi range	0. to	1. is	5,	2.5253
number and percent in phi range	1. to	2. is	52,	26.2626
number and percent in phi range	2. to	3. is	116,	58.5859
number and percent in phi range	3. to	4. is	25,	12.6263

grsort beanbush 1-8716'

number of records = 197

number and fraction in phi range	0. to	1. is	1,	0.5076
number and fraction in phi range	1. to	2. is	51,	25.8883
number and fraction in phi range	2. to	3. is	108,	54.8223
number and fraction in phi range	3. to	4. is	29,	14.7208
number and fraction in phi range	4. to	5. is	8,	4.0609

Corrected values

number and percent in phi range	0. to	1. is	2,	1.0152
number and percent in phi range	1. to	2. is	57,	28.934
number and percent in phi range	2. to	3. is	119,	60.4061
number and percent in phi range	3. to	4. is	16,	8.1218
number and percent in phi range	4. to	5. is	3,	1.5228

grsort merrimelia 29-7136'

number of records = 167

number and fraction in phi range	0. to	1. is	7,	4.1916
number and fraction in phi range	1. to	2. is	74,	44.3114
number and fraction in phi range	2. to	3. is	55,	32.9341
number and fraction in phi range	3. to	4. is	24,	14.3713
number and fraction in phi range	4. to	5. is	5,	2.994
number and fraction in phi range	below	5. is	2,	1.1976

Corrected values

number and percent in phi range	0. to	1. is	8,	4.7904
number and percent in phi range	1. to	2. is	86,	51.497
number and percent in phi range	2. to	3. is	58,	34.7305
number and percent in phi range	3. to	4. is	15,	8.982

grsort merrimelia 15-7114'

number of records = 176

number and fraction in phi range	1. to	2. is	3,	1.7045
number and fraction in phi range	2. to	3. is	66,	37.5
number and fraction in phi range	3. to	4. is	93,	52.8409
number and fraction in phi range	4. to	5. is	14,	7.9545

Corrected values

number and percent in phi range	1. to	2. is	4,	2.2727
number and percent in phi range	2. to	3. is	77,	43.75
number and percent in phi range	3. to	4. is	94,	53.4091
number and percent in phi range	4. to	5. is	1,	0.5682

grsort merrimelia 29-7100'

number of records = 172

number and fraction in phi range	0. to	1. is	4,	2.3256
number and fraction in phi range	1. to	2. is	38,	22.093
number and fraction in phi range	2. to	3. is	88,	51.1628
number and fraction in phi range	3. to	4. is	38,	22.093
number and fraction in phi range	4. to	5. is	2,	1.1628
number and fraction in phi range	below	5. is	2,	1.1628

Corrected values

number and percent in phi range	0. to	1. is	6,	3.4884
number and percent in phi range	1. to	2. is	43,	25
number and percent in phi range	2. to	3. is	95,	55.2326
number and percent in phi range	3. to	4. is	28,	16.2791

grsort merrimelia 15-7120'

number of records = 166

number and fraction in phi range	0. to	1. is	1,	0.6024
number and fraction in phi range	1. to	2. is	34,	20.4819
number and fraction in phi range	2. to	3. is	107,	64.4578
number and fraction in phi range	3. to	4. is	22,	13.253
number and fraction in phi range	4. to	5. is	2,	1.2048

Corrected values

number and percent in phi range	0. to	1. is	2,	1.2048
number and percent in phi range	1. to	2. is	38,	22.8916
number and percent in phi range	2. to	3. is	118,	71.0843
number and percent in phi range	3. to	4. is	8,	4.8193

grsort merimelia 7-7108'

number of records = 159

number and fraction in phi range	-1. to	0. is	2,	1.2579
number and fraction in phi range	0. to	1. is	22,	13.8365
number and fraction in phi range	1. to	2. is	91,	57.2327
number and fraction in phi range	2. to	3. is	35,	22.0126

number and fraction in phi range	3. to	4. is	9,	5.6604

Corrected values

number and percent in phi range	-1. to	0. is	4,	2.5157
number and percent in phi range	0. to	1. is	26,	16.3522
number and percent in phi range	1. to	2. is	100,	62.8931
number and percent in phi range	2. to	3. is	28,	17.6101
number and percent in phi range	3. to	4. is	1,	0.6289

grsort merrimelia 17-7148'

number of records = 237

number and fraction in phi range	1. to	2. is	8,	3.3755
number and fraction in phi range	2. to	3. is	61,	25.7384
number and fraction in phi range	3. to	4. is	110,	46.4135
number and fraction in phi range	4. to	5. is	42,	17.7215
number and fraction in phi range	below	5. is	16,	6.7511

Corrected values

number and percent in phi range	1. to	2. is	10,	4.2194
number and percent in phi range	2. to	3. is	70,	29.5359
number and percent in phi range	3. to	4. is	120,	50.6329
number and percent in phi range	4. to	5. is	32,	13.5021
number and percent in phi range	below	5. is	5,	2.1097

grsort merrimelia 17-7113'

number of records = 178

number and fraction in phi range	2. to	3. is	30,	16.8539
number and fraction in phi range	3. to	4. is	100,	56.1798
number and fraction in phi range	4. to	5. is	39,	21.9101
number and fraction in phi range	below	5. is	9,	5.0562

Corrected values

number and percent in phi range	2. to	3. is	35,	19.6629
number and percent in phi range	3. to	4. is	112,	62.9213
number and percent in phi range	4. to	5. is	31,	17.4157

grsort merrimelia 3-7542'

number of records = 202

number and fraction in phi range	1. to	2. is	4,	1.9802
number and fraction in phi range	2. to	3. is	114,	56.4356
number and fraction in phi range	3. to	4. is	73,	36.1386
number and fraction in phi range	4. to	5. is	10,	4.9505
number and fraction in phi range	below	5. is	1,	0.495

Corrected values

number and percent in phi range	1. to	2. is	8,	3.9604

number and percent in phi range	2. to	3. is	132,	65.3465
number and percent in phi range	3. to	4. is	62,	30.6931

grsort merrimelia 7-7065'

number of records = 168

number and fraction in phi range	1. to	2. is	47,	27.9762
number and fraction in phi range	2. to	3. is	92,	54.7619
number and fraction in phi range	3. to	4. is	23,	13.6905
number and fraction in phi range	4. to	5. is	4,	2.381
number and fraction in phi range	below	5. is	2,	1.1905

Corrected values

number and percent in phi range	1. to	2. is	56,	33.3333
number and percent in phi range	2. to	3. is	100,	59.5238
number and percent in phi range	3. to	4. is	12,	7.1429

grsort telopea 2-8174'

number of records = 150

number and fraction in phi range	-1. to	0. is	1,	0.6667
number and fraction in phi range	0. to	1. is	22,	14.6667
number and fraction in phi range	1. to	2. is	79,	52.6667
number and fraction in phi range	2. to	3. is	36,	24
number and fraction in phi range	3. to	4. is	9,	6
number and fraction in phi range	4. to	5. is	3,	2

Corrected values

number and percent in phi range	-1. to	0. is	2,	1.3333
number and percent in phi range	0. to	1. is	26,	17.3333
number and percent in phi range	1. to	2. is	89,	59.3333
number and percent in phi range	2. to	3. is	30,	20
number and percent in phi range	3. to	4. is	3,	2

grsort telopea 2-8186'

number of records = 185

number and fraction in phi range	0. to	1. is	5,	2.7027
number and fraction in phi range	1. to	2. is	33,	17.8378
number and fraction in phi range	2. to	3. is	108,	58.3784
number and fraction in phi range	3. to	4. is	32,	17.2973
number and fraction in phi range	4. to	5. is	7,	3.7838

Corrected values

number and percent in phi range	0. to	1. is	7,	3.7838
number and percent in phi range	1. to	2. is	38,	20.5405
number and percent in phi range	2. to	3. is	119,	64.3243
number and percent in phi range	3. to	4. is	21,	11.3514

grsort merrimelia 17-7105'

number of records = 189

number and fraction in phi range	0. to	1. is	2,	1.0582
number and fraction in phi range	1. to	2. is	59,	31.2169
number and fraction in phi range	2. to	3. is	100,	52.9101
number and fraction in phi range	3. to	4. is	22,	11.6402
number and fraction in phi range	4. to	5. is	5,	2.6455
number and fraction in phi range	below	5. is	1,	0.5291

Corrected values

number and percent in phi range	0. to	1. is	3,	1.5873
number and percent in phi range	1. to	2. is	68,	35.9788
number and percent in phi range	2. to	3. is	111,	58.7302
number and percent in phi range	3. to	4. is	7,	3.7037

grsort merrimelia 17-7078'

number of records = 162

number and fraction in phi range	0. to	1. is	4,	2.4691
number and fraction in phi range	1. to	2. is	76,	46.9136
number and fraction in phi range	2. to	3. is	63,	38.8889
number and fraction in phi range	3. to	4. is	18,	11.1111
number and fraction in phi range	4. to	5. is	1,	0.6173

Corrected values

number and percent in phi range	0. to	1. is	6,	3.7037
number and percent in phi range	1. to	2. is	88,	54.321
number and percent in phi range	2. to	3. is	61,	37.6543
number and percent in phi range	3. to	4. is	7,	4.321

grsort merrimelia 29-7104'

number of records = 180

number and fraction in phi range	1. to	2. is	32,	17.7778
number and fraction in phi range	2. to	3. is	105,	58.3333
number and fraction in phi range	3. to	4. is	38,	21.1111
number and fraction in phi range	4. to	5. is	3,	1.6667
number and fraction in phi range	below	5. is	2,	1.1111

Corrected values

number and percent in phi range	1. to	2. is	37,	20.5556
number and percent in phi range	2. to	3. is	118,	65.5556
number and percent in phi range	3. to	4. is	25,	13.8889

APPENDIX 3.6

MERCURY INJECTION CAPILLARY PRESSURE DATA AND CHARTS

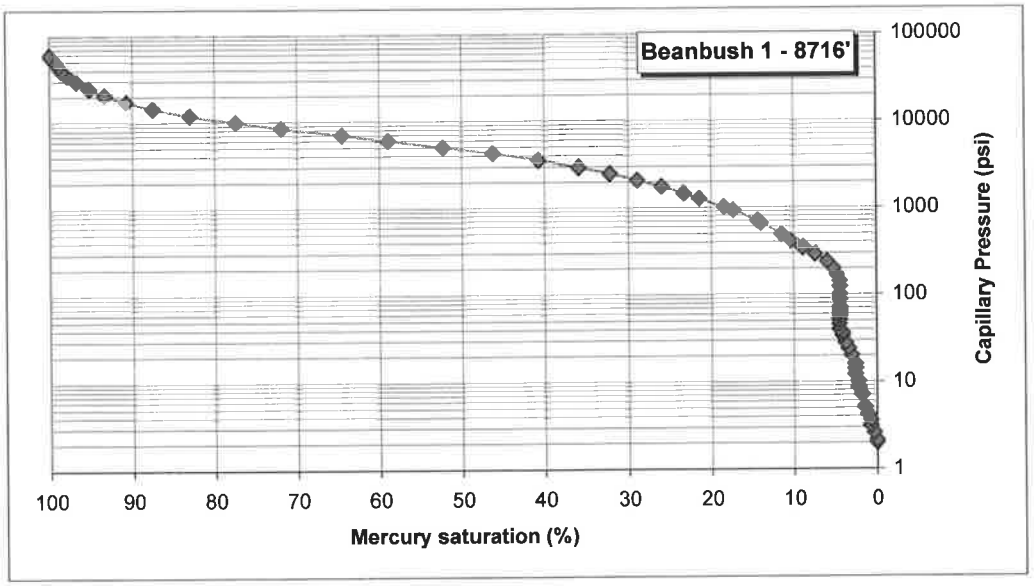
Sample **Beanbush 1 - 8716'**

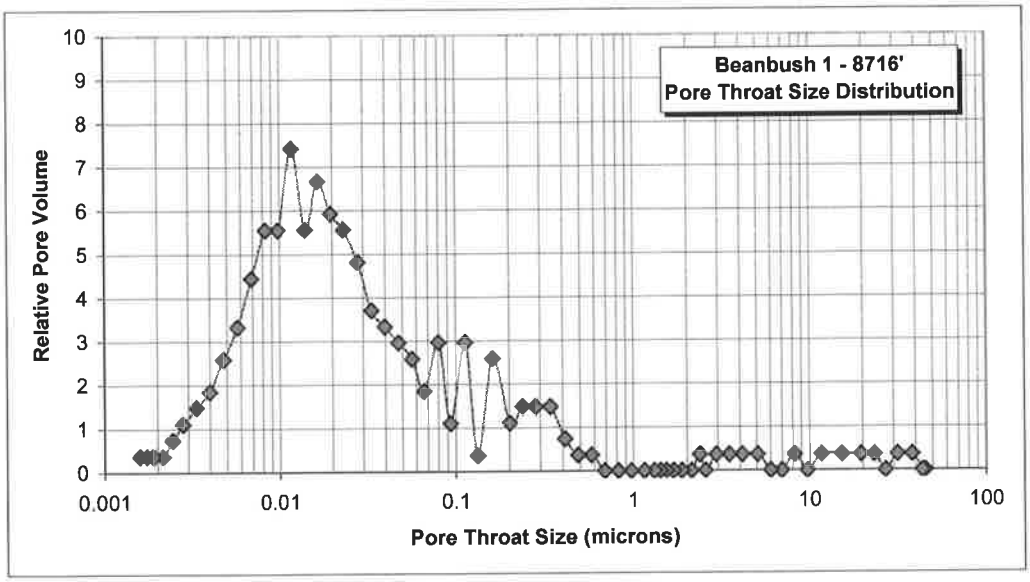
Date

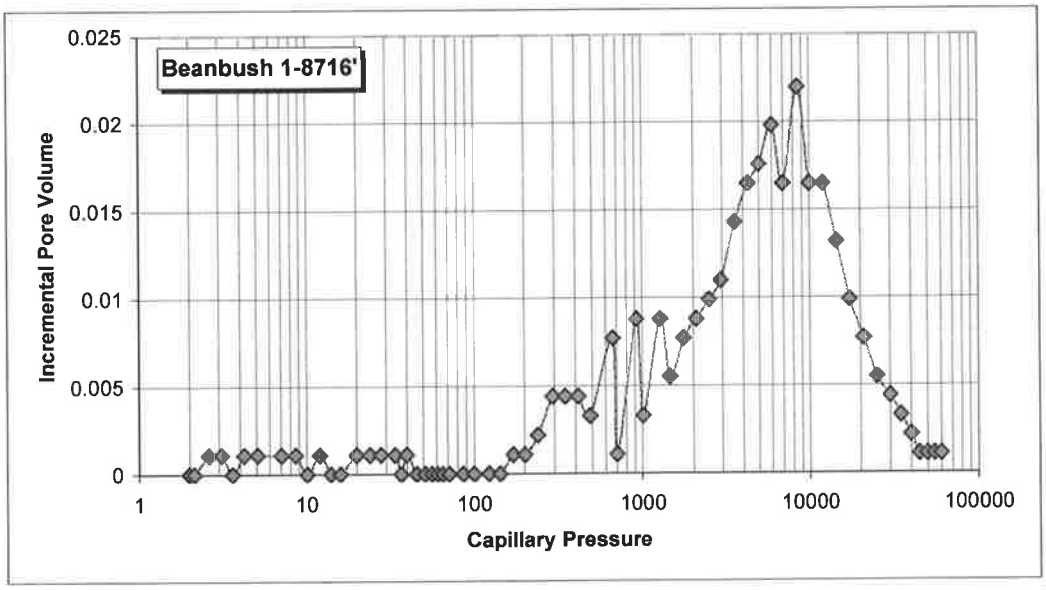
Sample weight	11
Pen Weight	63.601
Assembly weight	220.524
Hg Surface Tension	485
Pen Volume	15.2653
Stem Volume	0.392
Hg Density	13.5335
Hg volume	10.7823549
Sample volume	4.482945103
Bulk density	2.453744078
Skeletal volume	4.185945
Skeletal density	2.627841438
Porosity	6.625109012
% Intrusion	75.76530612

Pressure (psia)	Cumulative Diameter (A)	Cumulative volume(mL/g)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative pore volume
2	904318	0	0	0.000000	45.2159	0	0
2.14	875120	0	0	0.000000	43.756	0	0
2.63	767186	0.0001	0.0011	0.001100	38.3593	0.37037037	0.37037
3.12	633929	0.0001	0.0011	0.002200	31.69645	0.740740741	0.37037
3.61	540264	0	0	0.002200	27.0132	0.740740741	0
4.22	465012	0.0001	0.0011	0.003300	23.2506	1.111111111	0.37037
5.1	391606	0.0001	0.0011	0.004400	19.5803	1.481481481	0.37037
7.09	304629	0.0001	0.0011	0.005500	15.23145	1.851851852	0.37037
8.6	232625	0.0001	0.0011	0.006600	11.63125	2.222222222	0.37037
10.09	194767	0	0	0.006600	9.73835	2.222222222	0
12.08	164471	0.0001	0.0011	0.007700	8.22355	2.592592593	0.37037
14.06	139158	0	0	0.007700	6.9579	2.592592593	0
16.04	120695	0	0	0.007700	6.03475	2.592592593	0
20.02	101551	0.0001	0.0011	0.008800	5.07755	2.962962963	0.37037
24.01	82829	0.0001	0.0011	0.009900	4.14145	3.333333333	0.37037
28	69964	0.0001	0.0011	0.011000	3.4982	3.703703704	0.37037
33.98	58909	0.0001	0.0011	0.012100	2.94545	4.074074074	0.37037
36.97	51071	0	0	0.012100	2.55355	4.074074074	0
39.96	47088	0.0001	0.0011	0.013200	2.3544	4.444444444	0.37037
45.75	42395	0	0	0.013200	2.11975	4.444444444	0
51.36	37374	0	0	0.013200	1.8687	4.444444444	0
56.74	33547	0	0	0.013200	1.67735	4.444444444	0
61.15	30725	0	0	0.013200	1.53625	4.444444444	0
65.72	28547	0	0	0.013200	1.42735	4.444444444	0
71.48	26411	0	0	0.013200	1.32055	4.444444444	0
86.49	23108	0	0	0.013200	1.1554	4.444444444	0
100.14	19487	0	0	0.013200	0.97435	4.444444444	0
122.35	16422	0	0	0.013200	0.8211	4.444444444	0
142.64	13731	0	0	0.013200	0.68655	4.444444444	0
170.9	11631	0.0001	0.0011	0.014300	0.58155	4.814814815	0.37037
201.41	9781	0.0001	0.0011	0.015400	0.48905	5.185185185	0.37037
240.07	8257	0.0002	0.0022	0.017600	0.41285	5.925925926	0.740741
293.23	6851	0.0004	0.0044	0.022000	0.34255	7.407407407	1.481481
347.24	5688	0.0004	0.0044	0.026400	0.2844	8.888888889	1.481481
415.38	4781	0.0004	0.0044	0.030800	0.23905	10.37037037	1.481481
488.68	4028	0.0003	0.0033	0.034100	0.2014	11.48148148	1.111111
662.34	3216	0.0007	0.0077	0.041800	0.1608	14.07407407	2.592593
701.59	2654	0.0001	0.0011	0.042900	0.1327	14.44444444	0.37037
922.34	2269	0.0008	0.0088	0.051700	0.11345	17.40740741	2.962963
1009.74	1876	0.0003	0.0033	0.055000	0.0938	18.51851852	1.111111
1272.36	1606	0.0008	0.0088	0.063800	0.0803	21.48148148	2.962963
1457.42	1331	0.0005	0.0055	0.069300	0.06655	23.33333333	1.851852
1751.71	1137	0.0007	0.0077	0.077000	0.05685	25.92592593	2.592593
2080.86	951	0.0008	0.0088	0.085800	0.04755	28.88888889	2.962963
2494.54	797	0.0009	0.0099	0.095700	0.03985	32.22222222	3.333333
2945.71	670	0.001	0.011	0.106700	0.0335	35.92592593	3.703704
3562.76	561	0.0013	0.0143	0.121000	0.02805	40.74074074	4.814815
4282.28	465	0.0015	0.0165	0.137500	0.02325	46.2962963	5.555556
4998.57	392	0.0016	0.0176	0.155100	0.0196	52.22222222	5.925926

5994.3	332	0.0018	0.0198	0.174900	0.0166	58.88888889	6.666667
6973.03	281	0.0015	0.0165	0.191400	0.01405	64.44444444	5.555556
8502.57	236	0.002	0.022	0.213400	0.0118	71.85185185	7.407407
9974.31	197	0.0015	0.0165	0.229900	0.00985	77.40740741	5.555556
11995.14	166	0.0015	0.0165	0.246400	0.0083	82.96296296	5.555556
14445.13	138	0.0012	0.0132	0.259600	0.0069	87.40740741	4.444444
17373.26	115	0.0009	0.0099	0.269500	0.00575	90.74074074	3.333333
20781.29	96	0.0007	0.0077	0.277200	0.0048	93.33333333	2.592593
24889.99	80	0.0005	0.0055	0.282700	0.004	95.18518519	1.851852
29967.33	67	0.0004	0.0044	0.287100	0.00335	96.66666667	1.481481
34862.26	56	0.0003	0.0033	0.290400	0.0028	97.77777778	1.111111
39963.07	49	0.0002	0.0022	0.292600	0.00245	98.51851852	0.740741
44902.73	43	0.0001	0.0011	0.293700	0.00215	98.88888889	0.37037
49993.26	38	0.0001	0.0011	0.294800	0.0019	99.25925926	0.37037
54887.51	35	0.0001	0.0011	0.295900	0.00175	99.62962963	0.37037
59950.36	32	0.0001	0.0011	0.297000	0.0016	100	0.37037
54736.62	32	0	0	0.297000	0.0016	100	0
49714.57	35	0	0	0.297000	0.00175	100	0
44743.62	38	0	0	0.297000	0.0019	100	0
39562.57	43	-0.0001	-0.0011	0.295900	0.00215	99.62962963	0.37037
34934.5	49	0	0	0.295900	0.00245	99.62962963	0
29976	56	-0.0001	-0.0011	0.294800	0.0028	99.25925926	0.37037
19744.55	76	-0.0003	-0.0033	0.291500	0.0038	98.14814815	1.111111
17906.69	96	-0.0001	-0.0011	0.290400	0.0048	97.77777778	0.37037
14982.73	111	-0.0002	-0.0022	0.288200	0.00555	97.03703704	0.740741
12478.67	133	-0.0003	-0.0033	0.284900	0.00665	95.92592593	1.111111
9989.17	163	-0.0004	-0.0044	0.280500	0.00815	94.44444444	1.481481
8524.02	197	-0.0002	-0.0022	0.278300	0.00985	93.7037037	0.740741
7434.75	228	-0.0002	-0.0022	0.276100	0.0114	92.96296296	0.740741
6179.04	268	-0.0004	-0.0044	0.271700	0.0134	91.48148148	1.481481
5109.67	323	-0.0004	-0.0044	0.267300	0.01615	90	1.481481
4210.99	392	-0.0005	-0.0055	0.261800	0.0196	88.14814815	1.851852
3612.15	465	-0.0005	-0.0055	0.256300	0.02325	86.2962963	1.851852
2960.32	556	-0.0006	-0.0066	0.249700	0.0278	84.07407407	2.222222
2449.3	675	-0.0007	-0.0077	0.242000	0.03375	81.48148148	2.592593
2037.48	813	-0.0008	-0.0088	0.233200	0.04065	78.51851852	2.962963
1584.31	1015	-0.001	-0.011	0.222200	0.05075	74.81481481	3.703704
1246.25	1296	-0.001	-0.011	0.211200	0.0648	71.11111111	3.703704
971.68	1656	-0.001	-0.011	0.200200	0.0828	67.40740741	3.703704
759.77	2121	-0.001	-0.011	0.189200	0.10605	63.7037037	3.703704
585.47	2735	-0.001	-0.011	0.178200	0.13675	60	3.703704
471.72	3462	-0.0007	-0.0077	0.170500	0.1731	57.40740741	2.592593
366.33	4386	-0.0007	-0.0077	0.162800	0.2193	54.81481481	2.592593
288.48	5603	-0.0006	-0.0066	0.156200	0.28015	52.59259259	2.222222
228.31	7096	-0.0007	-0.0077	0.148500	0.3548	50	2.592593
178.28	9034	-0.0004	-0.0044	0.144100	0.4517	48.51851852	1.481481
138.86	11585	-0.0004	-0.0044	0.139700	0.57925	47.03703704	1.481481
108.73	14830	-0.0004	-0.0044	0.135300	0.7415	45.55555556	1.481481
84.14	19064	-0.0003	-0.0033	0.132000	0.9532	44.44444444	1.111111
66.17	24415	-0.0003	-0.0033	0.128700	1.22075	43.33333333	1.111111
51.47	31237	-0.0002	-0.0022	0.126500	1.56185	42.59259259	0.740741
39.86	40258	-0.0002	-0.0022	0.124300	2.0129	41.85185185	0.740741
30.54	52299	-0.0002	-0.0022	0.122100	2.61495	41.11111111	0.740741
24.52	66495	-0.0001	-0.0011	0.121000	3.32475	40.74074074	0.37037
18.9	84725	-0.0001	-0.0011	0.119900	4.23625	40.37037037	0.37037
14.46	110363	-0.0002	-0.0022	0.117700	5.51815	39.62962963	0.740741


Beanbush 1 - 8716'
100000
10000
1000
100
10
1
Capillary Pressure (psi)
100
90
80
70
60
50
40
30
20
10
0
Mercury saturation (%)


Beanbush 1 - 8716'
Pore Throat Size Distribution
Relative Pore Volume
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Beanbush 1-8716'
Incremental Pore Volume
0.025
0.02
0.015
0.01
0.005
0
1
10
100
1000
10000
100000
Capillary Pressure

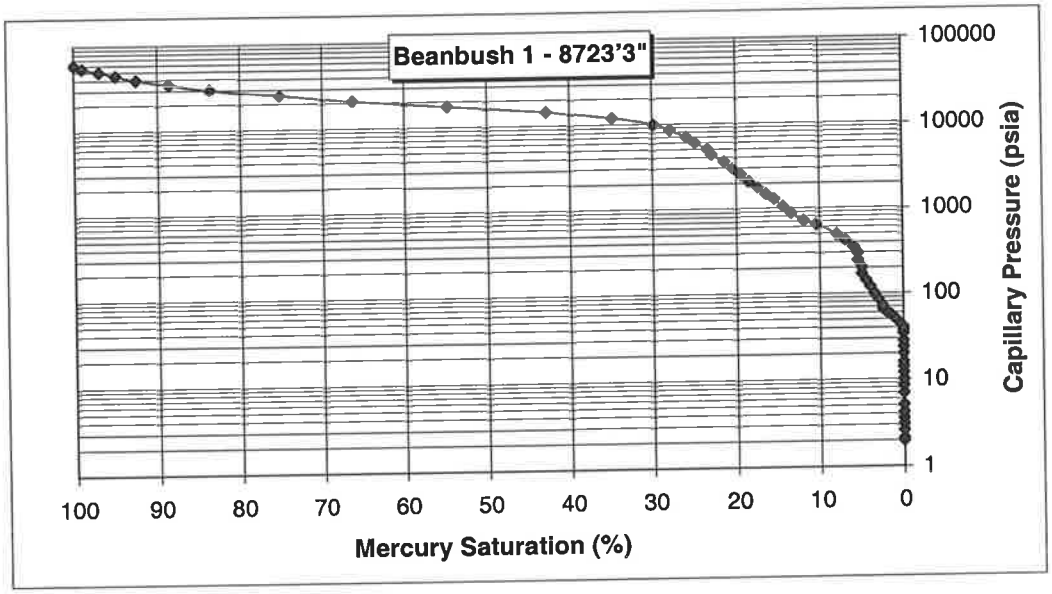
Sample **Beanbush 1 - 8723'3"**

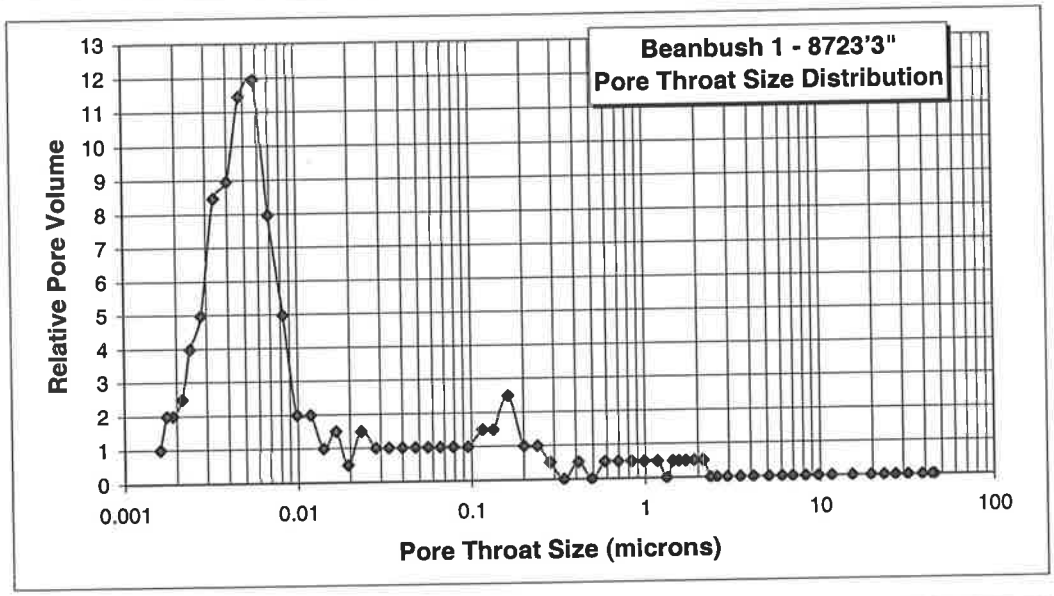
Date

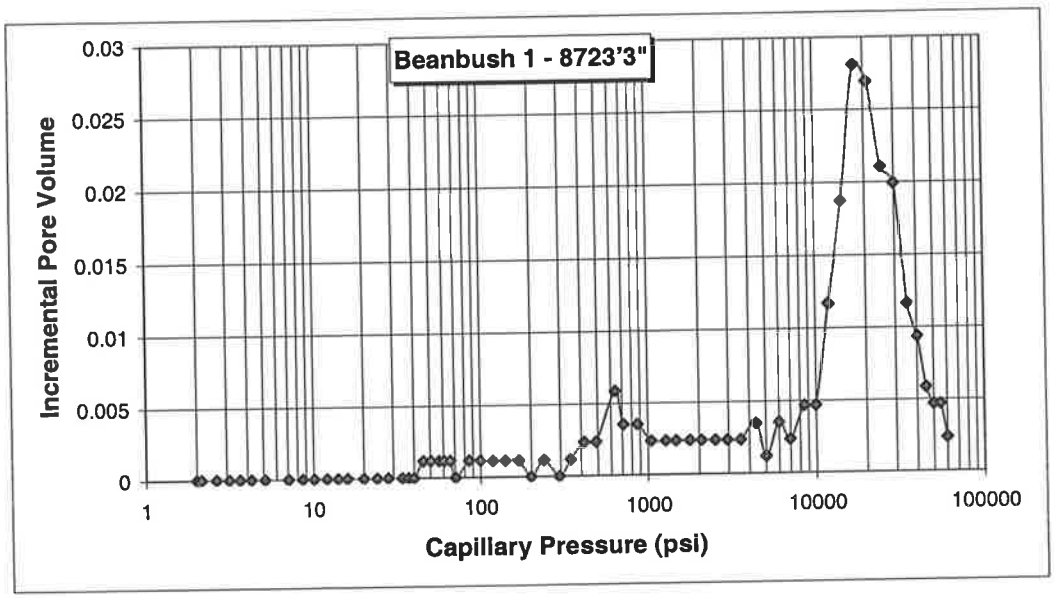
Sample weight	11.725
Pen Weight	61.489
Assembly weight	225.206
Hg Surface Tension	485
Pen Volume	15.88
Stem Volume	1.131
Hg Density	13.5335
Hg volume	11.230798
Sample volume	4.6492023
Bulk density	2.521938
Skeletal volume	4.413530
Skeletal density	2.6566038
Porosity	5.0690953
% Intrusion	20.837533

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume (mL/g)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Pore volume
2	904318	0	0	0.000000	45.2159	0	0
2.13	875907	0	0	0.000000	43.79535	0	0
2.62	769210	0	0	0.000000	38.4605	0	0
3.11	636466	0	0	0.000000	31.8233	0	0
3.6	541964	0	0	0.000000	27.0982	0	0
4.22	465384	0	0	0.000000	23.2692	0	0
5.11	391453	0	0	0.000000	19.57265	0	0
7.07	304859	0	0	0.000000	15.24295	0	0
8.58	233257	0	0	0.000000	11.66285	0	0
10.07	195269	0	0	0.000000	9.76345	0	0
12.07	164794	0	0	0.000000	8.2397	0	0
14.06	139281	0	0	0.000000	6.96405	0	0
16.04	120698	0	0	0.000000	6.0349	0	0
20.01	101557	0	0	0.000000	5.07785	0	0
24.02	82835	0	0	0.000000	4.14175	0	0
27.99	69958	0	0	0.000000	3.4979	0	0
33.97	58934	0	0	0.000000	2.9467	0	0
36.96	51091	0	0	0.000000	2.55455	0	0
39.97	47091	0	0	0.000000	2.35455	0	0
45.41	42540	0.0001	0.0011725	0.001173	2.127	0.497512	0.497512
50.33	37883	0.0001	0.0011725	0.002345	1.89415	0.995025	0.497512
56.58	33953	0.0001	0.0011725	0.003518	1.69765	1.492537	0.497512
60.35	30968	0.0001	0.0011725	0.004690	1.5484	1.99005	0.497512
65.75	28739	0.0001	0.0011725	0.005863	1.43695	2.487562	0.497512
70.76	26534	0	0	0.005863	1.3267	2.487562	0
85.25	23388	0.0001	0.0011725	0.007035	1.1694	2.985075	0.497512
100.22	19631	0.0001	0.0011725	0.008208	0.98155	3.482587	0.497512
119.6	16584	0.0001	0.0011725	0.009380	0.8292	3.9801	0.497512
141.65	13946	0.0001	0.0011725	0.010553	0.6973	4.477612	0.497512
170.26	11696	0.0001	0.0011725	0.011725	0.5848	4.975124	0.497512
199.76	9838	0	0	0.011725	0.4919	4.975124	0
240.82	8282	0.0001	0.0011725	0.012898	0.4141	5.472637	0.497512
294.66	6824	0	0	0.012898	0.3412	5.472637	0
346.26	5681	0.0001	0.0011725	0.014070	0.28405	5.970149	0.497512
416.36	4784	0.0002	0.002345	0.016415	0.2392	6.965174	0.995025
487.64	4026	0.0002	0.002345	0.018760	0.2013	7.960199	0.995025
638.35	3271	0.0005	0.0058625	0.024623	0.16355	10.44776	2.487562
711.9	2687	0.0003	0.0035175	0.028140	0.13435	11.9403	1.492537
868.39	2312	0.0003	0.0035175	0.031658	0.1156	13.43284	1.492537

1045.73	1906	0.0002	0.002345	0.034003	0.0953	14.42786	0.995025
1276.29	1573	0.0002	0.002345	0.036348	0.07865	15.42289	0.995025
1469.35	1324	0.0002	0.002345	0.038693	0.0662	16.41791	0.995025
1766.35	1127	0.0002	0.002345	0.041038	0.05635	17.41294	0.995025
2063.94	950	0.0002	0.002345	0.043383	0.0475	18.40796	0.995025
2497.42	800	0.0002	0.002345	0.045728	0.04	19.40299	0.995025
2952.7	668	0.0002	0.002345	0.048073	0.0334	20.39801	0.995025
3538.34	562	0.0002	0.002345	0.050418	0.0281	21.39303	0.995025
4339.06	464	0.0003	0.0035175	0.053935	0.0232	22.88557	1.492537
5018.7	389	0.0001	0.0011725	0.055108	0.01945	23.38308	0.497512
5989.44	331	0.0003	0.0035175	0.058625	0.01655	24.87562	1.492537
6965.15	281	0.0002	0.002345	0.060970	0.01405	25.87065	0.995025
8501.67	236	0.0004	0.00469	0.065660	0.0118	27.8607	1.99005
9960.09	197	0.0004	0.00469	0.070350	0.00985	29.85075	1.99005
11976.45	166	0.001	0.011725	0.082075	0.0083	34.82587	4.975124
14431.84	138	0.0016	0.01876	0.100835	0.0069	42.78607	7.960199
17396.53	115	0.0024	0.02814	0.128975	0.00575	54.72637	11.9403
20818.04	95	0.0023	0.0269675	0.155943	0.00475	66.16915	11.44279
24902.59	80	0.0018	0.021105	0.177048	0.004	75.12438	8.955224
29898.28	67	0.0017	0.0199325	0.196980	0.00335	83.58209	8.457711
34919.91	56	0.001	0.011725	0.208705	0.0028	88.55721	4.975124
40072.89	48	0.0008	0.00938	0.218085	0.0024	92.53731	3.9801
45078.93	43	0.0005	0.0058625	0.223948	0.00215	95.02488	2.487562
49968.91	38	0.0004	0.00469	0.228638	0.0019	97.01493	1.99005
54902.91	35	0.0004	0.00469	0.233328	0.00175	99.00498	1.99005
59833.36	32	0.0002	0.002345	0.235673	0.0016	100	0.995025
55041.32	32	-0.0002	-0.002345	0.233328	0.0016	99.00498	0.995025
49135.13	35	-0.0004	-0.00469	0.228638	0.00175	97.01493	1.99005
44779.32	39	-0.0003	-0.0035175	0.225120	0.00195	95.52239	1.492537
39785.68	43	-0.0004	-0.00469	0.220430	0.00215	93.53234	1.99005
35149.12	48	-0.0003	-0.0035175	0.216913	0.0024	92.0398	1.492537
30147.68	56	-0.0004	-0.00469	0.212223	0.0028	90.04975	1.99005
19978.71	75	-0.0009	-0.0105525	0.201670	0.00375	85.57214	4.477612
18020.87	95	-0.0003	-0.0035175	0.198153	0.00475	84.0796	1.492537
15037.62	110	-0.0003	-0.0035175	0.194635	0.0055	82.58706	1.492537
12530.35	132	-0.0002	-0.002345	0.192290	0.0066	81.59204	0.995025
10043.32	162	-0.0006	-0.007035	0.185255	0.0081	78.60697	2.985075
8528.82	196	-0.0004	-0.00469	0.180565	0.0098	76.61692	1.99005
7422.85	228	-0.0004	-0.00469	0.175875	0.0114	74.62687	1.99005
6211.84	267	-0.0009	-0.0105525	0.165323	0.01335	70.14925	4.477612
5099.85	323	-0.0006	-0.007035	0.158288	0.01615	67.16418	2.985075
4247.36	390	0.0001	0.0011725	0.159460	0.0195	67.66169	-0.497512
3585.08	465	-0.0005	-0.0058625	0.153598	0.02325	65.17413	2.487562
2935.74	560	-0.0005	-0.0058625	0.147735	0.028	62.68657	2.487562
2455.14	676	-0.0004	-0.00469	0.143045	0.0338	60.69652	1.99005
2036.8	812	-0.0004	-0.00469	0.138355	0.0406	58.70647	1.99005
1586.94	1014	-0.0003	-0.0035175	0.134838	0.0507	57.21393	1.492537
1247.67	1295	-0.0002	-0.002345	0.132493	0.06475	56.21891	0.995025
986.55	1641	-0.0001	-0.0011725	0.131320	0.08205	55.72139	0.497512
766.79	2096	-0.0001	-0.0011725	0.130148	0.1048	55.22388	0.497512
604.64	2675	-0.0001	-0.0011725	0.128975	0.13375	54.72637	0.497512
446.29	3522	-0.0001	-0.0011725	0.127803	0.1761	54.22886	0.497512
374.2	4443	0	0	0.127803	0.22215	54.22886	0
289.55	5540	0.0001	0.0011725	0.128975	0.277	54.72637	-0.497512
227.83	7092	0.0002	0.002345	0.131320	0.3546	55.72139	-0.995025
178.21	9044	0	0	0.131320	0.4522	55.72139	0
139.03	11579	-0.0001	-0.0011725	0.130148	0.57895	55.22388	0.497512
108.12	14868	-0.0001	-0.0011725	0.128975	0.7434	54.72637	0.497512
84.27	19096	-0.0001	-0.0011725	0.127803	0.9548	54.22886	0.497512
65.97	24439	-0.0001	-0.0011725	0.126630	1.22195	53.73134	0.497512
51.5	31268	0	0	0.126630	1.5634	53.73134	0
39.81	40279	-0.0001	-0.0011725	0.125458	2.01395	53.23383	0.497512
30.57	52298	0	0	0.125458	2.6149	53.23383	0
24.4	66648	0	0	0.125458	3.3324	53.23383	0
18.87	84982	0	0	0.125458	4.2491	53.23383	0
14.95	108388	0	0	0.125458	5.4194	53.23383	0


Beanbush 1 - 8723'3"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Beanbush 1 - 8723'3"
Pore Throat Size Distribution
Relative Pore Volume
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)

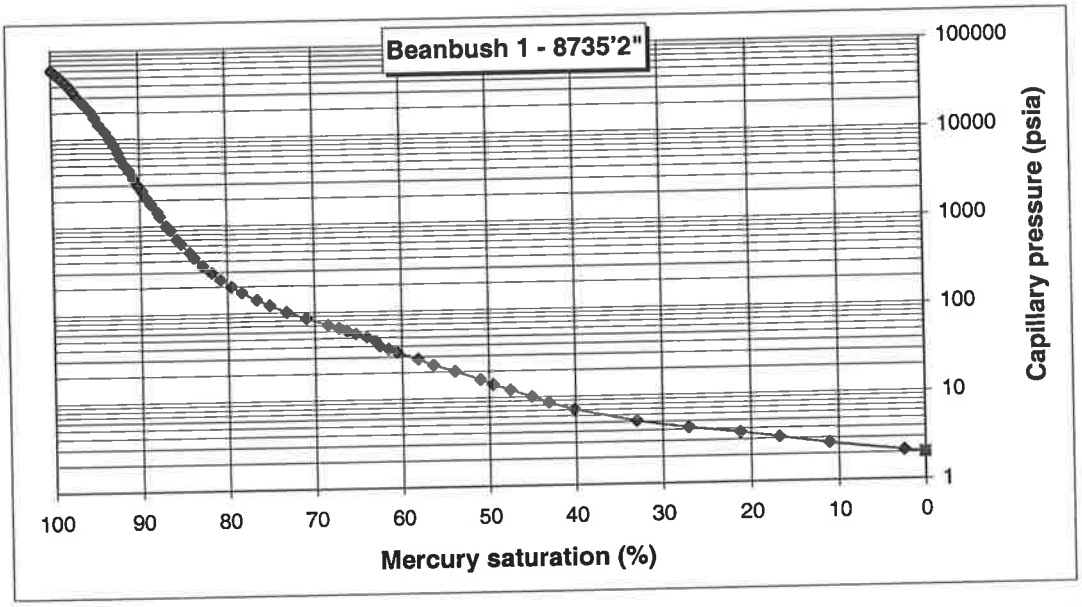

Beanbush 1 - 8723'3"
Incremental Pore Volume
0.03
0.025
0.02
0.015
0.01
0.005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

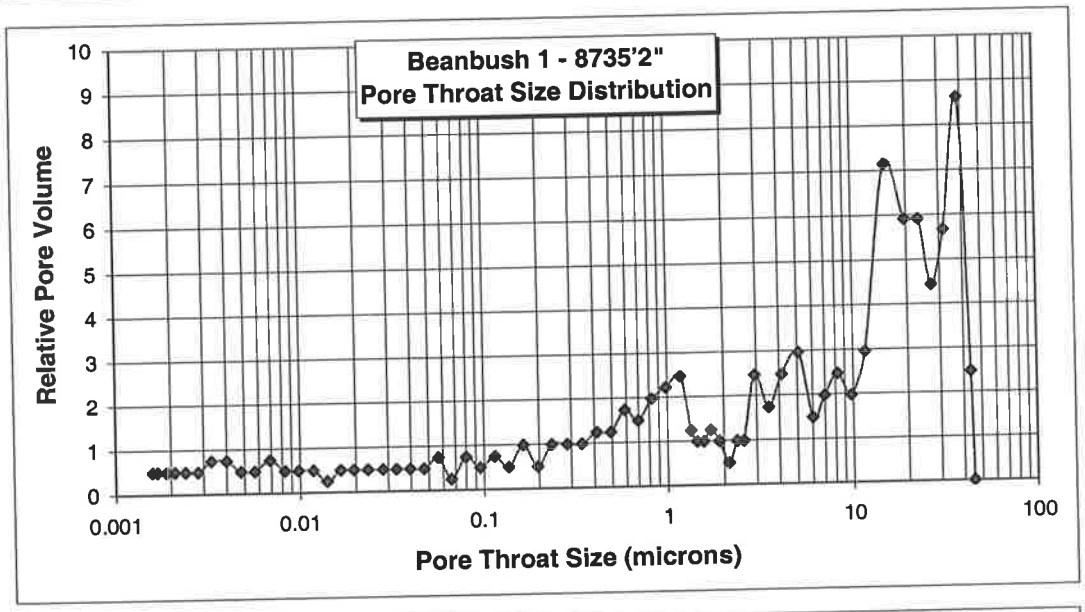
Sample **Beanbush 1 - 8735'2**

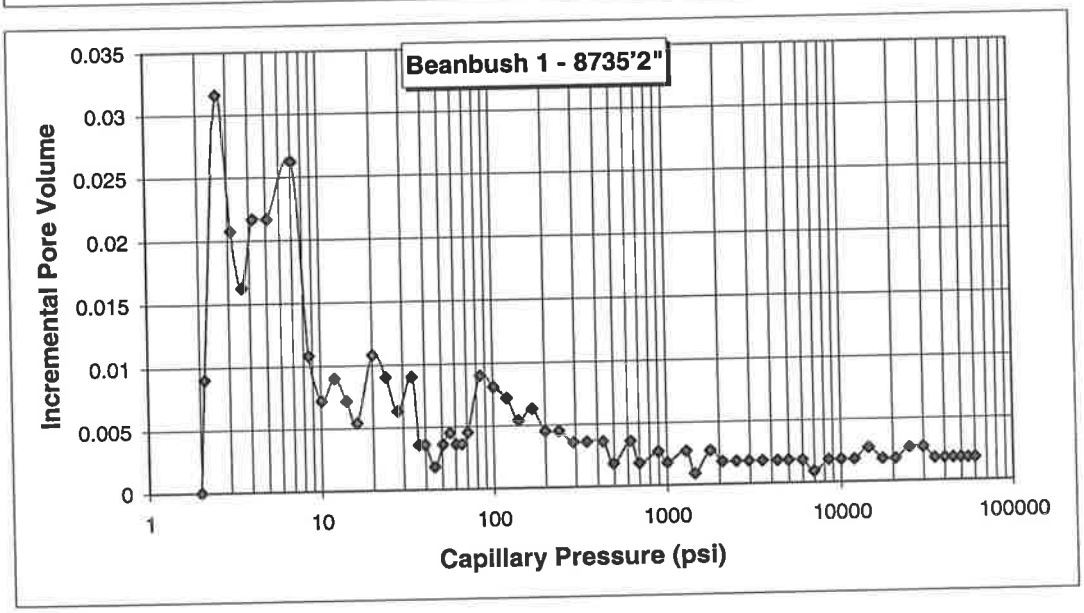
Date	February 3, 2000
Sample Weight	9.0280
Pen. Weight:	61.1660
Assembly Weight:	232.9520
Hg Surface Tension:	485.0000
Pen. Volume:	15.8800
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	12.0263
Sample volume	3.8537
Bulk density	2.3427
Skeletal volume	3.4872
Skeletal density	**2.5889**
Porosity	**9.5113**
% Intrusion	32.4082

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Relative Pore Volume
2	0	0	45.2159	0.00	53.800	0.00
2.13	0.009028	0.009028	43.8624	2.46	50.516	2.46
2.62	0.031598	0.040626	38.5452	11.08	41.069	8.62
3.14	0.0207644	0.0613904	31.6992	16.75	34.268	5.67
3.62	0.0162504	0.0776408	26.8947	21.18	29.724	4.43
4.21	0.0216672	0.099308	23.2357	27.09	25.558	5.91
5.11	0.0216672	0.1209752	19.6024	33.00	21.057	5.91
7.1	0.0261812	0.1471564	15.2253	40.15	15.155	7.14
8.59	0.0108336	0.15799	11.6353	43.10	12.526	2.96
10.09	0.0072224	0.1652124	9.7459	45.07	10.664	1.97
12.06	0.009028	0.1742404	8.233	47.54	8.922	2.46
14.06	0.0072224	0.1814628	6.9658	49.51	7.653	1.97
16.06	0.0054168	0.1868796	6.0318	50.99	6.700	1.48
20.03	0.0108336	0.1977132	5.0738	53.94	5.372	2.96
24.01	0.009028	0.2067412	4.1407	56.40	4.481	2.46
27.99	0.0063196	0.2130608	3.4981	58.13	3.844	1.72
33.99	0.009028	0.2220888	2.9454	60.59	3.166	2.46
36.98	0.0036112	0.2257	2.5529	61.58	2.910	0.99
39.97	0.0036112	0.2293112	2.354	62.56	2.692	0.99
45.21	0.0018056	0.2311168	2.1313	63.05	2.380	0.49
50.64	0.0036112	0.234728	1.8931	64.04	2.125	0.99
55.62	0.004514	0.239242	1.7059	65.27	1.935	1.23
60.53	0.0036112	0.2428532	1.56	66.26	1.778	0.99
65.26	0.0036112	0.2464644	1.4399	67.24	1.649	0.99
70.81	0.004514	0.2509784	1.3314	68.47	1.520	1.23
84.81	0.009028	0.2600064	1.1716	70.94	1.269	2.46
100.5	0.0081252	0.2681316	0.9831	73.15	1.071	2.22
120.35	0.0072224	0.275354	0.8256	75.12	0.894	1.97
140.67	0.0054168	0.2807708	0.6971	76.60	0.765	1.48
169.26	0.0063196	0.2870904	0.5886	78.33	0.636	1.72
200.61	0.004514	0.2916044	0.4925	79.56	0.536	1.23
240.76	0.004514	0.2961184	0.4132	80.79	0.447	1.23
290.87	0.0036112	0.2997296	0.3432	81.77	0.370	0.99
347.2	0.0036112	0.3033408	0.2857	82.76	0.310	0.99
429.98	0.0036112	0.306952	0.2354	83.74	0.250	0.99
494.65	0.0018056	0.3087576	0.1966	84.24	0.218	0.49
625.02	0.0036112	0.3123688	0.1638	85.22	0.172	0.99
700.39	0.0018056	0.3141744	0.1369	85.71	0.154	0.49
894.96	0.0027084	0.3168828	0.1151	86.45	0.120	0.74

1005.06	0.0018056	0.3186884	0.0955	86.95	0.107	0.49
1291.04	0.0027084	0.3213968	0.08	87.68	0.083	0.74
1444.36	0.0009028	0.3222996	0.0663	87.93	0.074	0.25
1779.21	0.0027084	0.325008	0.0567	88.67	0.060	0.74
2082.61	0.0018056	0.3268136	0.0471	89.16	0.052	0.49
2510.91	0.0018056	0.3286192	0.0397	89.66	0.043	0.49
2951.05	0.0018056	0.3304248	0.0333	90.15	0.036	0.49
3540.64	0.0018056	0.3322304	0.0281	90.64	0.030	0.49
4323.45	0.0018056	0.334036	0.0232	91.13	0.025	0.49
4990.1	0.0018056	0.3358416	0.0195	91.63	0.022	0.49
5982.15	0.0018056	0.3376472	0.0166	92.12	0.018	0.49
6969.94	0.0009028	0.33855	0.014	92.36	0.015	0.25
8489.43	0.0018056	0.3403556	0.0118	92.86	0.013	0.49
10011.4	0.0018056	0.3421612	0.0098	93.35	0.011	0.49
11957.17	0.0018056	0.3439668	0.0083	93.84	0.009	0.49
14448.82	0.0027084	0.3466752	0.0069	94.58	0.007	0.74
17429.6	0.0018056	0.3484808	0.0057	95.07	0.006	0.49
20713.13	0.0018056	0.3502864	0.0048	95.57	0.005	0.49
24898.21	0.0027084	0.3529948	0.004	96.31	0.004	0.74
29969.21	0.0027084	0.3557032	0.0033	97.04	0.004	0.74
34986.27	0.0018056	0.3575088	0.0028	97.54	0.003	0.49
39977.78	0.0018056	0.3593144	0.0024	98.03	0.003	0.49
44958.64	0.0018056	0.36112	0.0021	98.52	0.002	0.49
49913.59	0.0018056	0.3629256	0.0019	99.01	0.002	0.49
54800.74	0.0018056	0.3647312	0.0017	99.51	0.002	0.49
59888.44	0.0018056	0.3665368	0.0016	100.00	0.002	0.49
54704.18	0	0.3665368	0.0016	100.00	0.002	0.00
49750.64	0	0.3665368	0.0017	100.00	0.002	0.00
45007.93	-0.0009028	0.365634	0.0019	99.75	0.002	0.25
39948.26	-0.0009028	0.3647312	0.0021	99.51	0.003	0.25
35072.82	-0.0009028	0.3638284	0.0024	99.26	0.004	0.25
29998.6	-0.0009028	0.3629256	0.0028	99.01	0.005	0.25
20077.34	-0.0027084	0.3602172	0.0038	98.28	0.007	0.74
18000.59	-0.0009028	0.3593144	0.0048	98.03	0.008	0.25
15015.56	-0.0009028	0.3584116	0.0055	97.78	0.009	0.25
12491.59	-0.0009028	0.3575088	0.0066	97.54	0.011	0.25
10036.84	-0.0018056	0.3557032	0.0081	97.04	0.014	0.49
8498.54	-0.0018056	0.3538976	0.0098	96.55	0.017	0.49
7426.63	-0.0009028	0.3529948	0.0114	96.31	0.019	0.25
6211.68	-0.0009028	0.352092	0.0134	96.06	0.023	0.25
5120.25	-0.0009028	0.3511892	0.0161	95.81	0.027	0.25
4241.02	-0.0018056	0.3493836	0.0195	95.32	0.033	0.49
3585.11	-0.0018056	0.347578	0.0233	94.83	0.039	0.49
2947.96	-0.0009028	0.3466752	0.028	94.58	0.048	0.25
2439.4	-0.0009028	0.3457724	0.0339	94.33	0.058	0.25
2103.33	-0.0009028	0.3448696	0.04	94.09	0.067	0.25
1590.97	-0.0018056	0.343064	0.0499	93.60	0.088	0.49
1261.07	-0.0009028	0.3421612	0.0643	93.35	0.111	0.25
998.14	-0.0009028	0.3412584	0.0812	93.10	0.141	0.25
762.69	-0.0018056	0.3394528	0.1046	92.61	0.184	0.49
583.04	-0.0018056	0.3376472	0.1368	92.12	0.241	0.49
475.61	-0.0018056	0.3358416	0.1726	91.63	0.295	0.49
358.14	-0.0009028	0.3349388	0.2213	91.38	0.392	0.25
288.76	-0.0018056	0.3331332	0.2828	90.89	0.486	0.49
227.72	-0.0063196	0.3268136	0.3551	89.16	0.617	1.72
178.11	-0.0018056	0.325008	0.4524	88.67	0.789	0.49
139.05	-0.0027084	0.3222996	0.579	87.93	1.010	0.74
108.16	-0.0027084	0.3195912	0.7432	87.19	1.299	0.74
84.87	-0.0018056	0.3177856	0.9508	86.70	1.655	0.49
65.65	-0.0036112	0.3141744	1.2215	85.71	2.139	0.99
51.5	-0.0027084	0.311466	1.5667	84.98	2.727	0.74
39.73	-0.0027084	0.3087576	2.0161	84.24	3.535	0.74


Beanbush 1 - 8735'2"
100000
10000
1000
100
10
1
Capillary pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury saturation (%)


Beanbush 1 - 8735'2"
Pore Throat Size Distribution
Relative Pore Volume
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Beanbush 1 - 8735'2"
Incremental Pore Volume
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

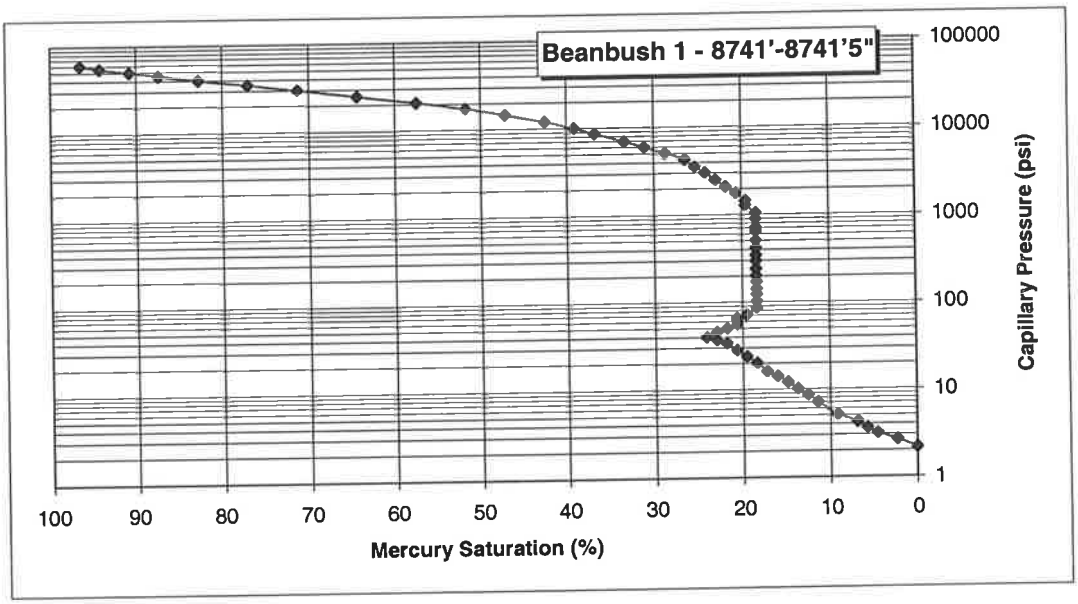
Sample **Beanbush 1 - 8741'**

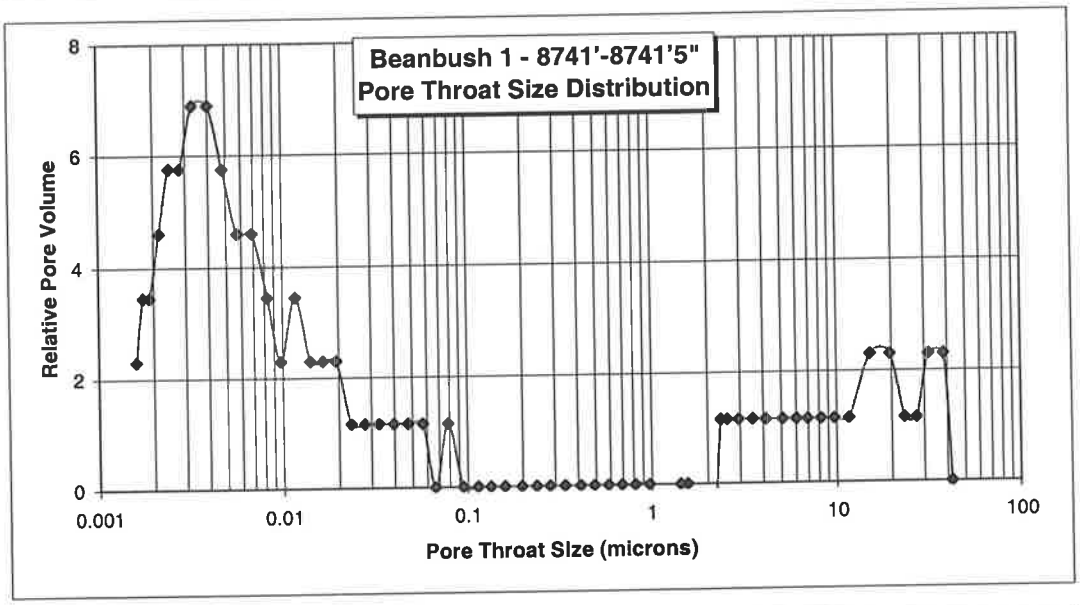
Date

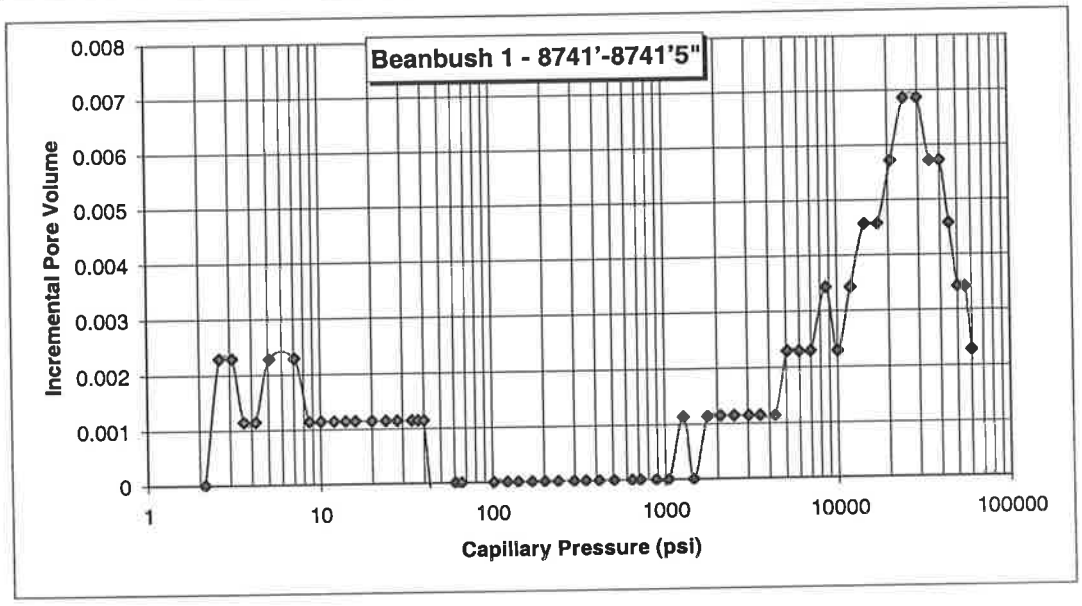
Sample weight	11.435
Pen Weight	63.626
Assembly weight	220.522
Hg Surface Tension	485
Pen Volume	15.2653
Stem Volume	0.392
Hg Density	13.5335
Hg volume	10.748217
Sample volume	4.5170826
Bulk density	2.5315012
Skeletal volume	4.510222
Skeletal density	2.5353521
Porosity	0.1518901
% Intrusion	1.7502551

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume (mL/g)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative PoreVolume
2.14	843427	0	0	0.000000	42.17135	0	0
2.63	765874	0.0002	0.002287	0.002287	38.2937	2.298851	2.298850575
3.11	634544	0.0002	0.002287	0.004574	31.7272	4.597701	2.298850575
3.6	541512	0.0001	0.001144	0.005718	27.0756	5.747126	1.149425287
4.21	466061	0.0001	0.001144	0.006861	23.30305	6.896552	1.149425287
5.12	391572	0.0002	0.002287	0.009148	19.5786	9.195402	2.298850575
7.1	304060	0.0002	0.002287	0.011435	15.203	11.49425	2.298850575
8.59	232732	0.0001	0.001144	0.012579	11.6366	12.64368	1.149425287
10.09	194903	0.0001	0.001144	0.013722	9.74515	13.7931	1.149425287
12.07	164539	0.0001	0.001144	0.014866	8.22695	14.94253	1.149425287
14.07	139236	0.0001	0.001144	0.016009	6.9618	16.09195	1.149425287
16.05	120648	0.0001	0.001144	0.017153	6.0324	17.24138	1.149425287
20.02	101536	0.0001	0.001144	0.018296	5.0768	18.3908	1.149425287
24.03	82808	0.0001	0.001144	0.019440	4.1404	19.54023	1.149425287
28.01	69915	0.0001	0.001144	0.020583	3.49575	20.68966	1.149425287
33.98	58897	0.0001	0.001144	0.021727	2.94485	21.83908	1.149425287
36.97	51075	0.0001	0.001144	0.022870	2.55375	22.98851	1.149425287
39.96	47094	0.0001	0.001144	0.024014	2.3547	24.13793	1.149425287
45.89	42340	-0.0001	-0.001144	0.022870	2.117	22.98851	-1.149425287
50.17	37733	-0.0001	-0.001144	0.021727	1.88665	21.83908	-1.149425287
55.46	34332	-0.0001	-0.001144	0.020583	1.7166	20.68966	-1.149425287
60.71	31204	0	0	0.020583	1.5602	20.68966	0
65.87	28625	0	0	0.020583	1.43125	20.68966	0
71.57	26364	-0.0001	-0.001144	0.019440	1.3182	19.54023	-1.149425287
85.74	23183	-0.0001	-0.001144	0.018296	1.15915	18.3908	-1.149425287
101.79	19432	0	0	0.018296	0.9716	18.3908	0
121.91	16303	0	0	0.018296	0.81515	18.3908	0
141.38	13814	0	0	0.018296	0.6907	18.3908	0
170.51	11700	0	0	0.018296	0.585	18.3908	0
201.28	9796	0	0	0.018296	0.4898	18.3908	0
240.93	8246	0	0	0.018296	0.4123	18.3908	0
297.23	6796	0	0	0.018296	0.3398	18.3908	0
348.15	5640	0	0	0.018296	0.282	18.3908	0
415.61	4773	0	0	0.018296	0.23865	18.3908	0
506.7	3961	0	0	0.018296	0.19805	18.3908	0
642.4	3192	0	0	0.018296	0.1596	18.3908	0
716.31	2670	0	0	0.018296	0.1335	18.3908	0
886.43	2283	0	0	0.018296	0.11415	18.3908	0
1042.14	1888	0	0	0.018296	0.0944	18.3908	0

1282.21	1573	0.0001	0.001144	0.019440	0.07865	19.54023	1.149425287
1453.26	1328	0	0	0.019440	0.0664	19.54023	0
1755.87	1137	0.0001	0.001144	0.020583	0.05685	20.68966	1.149425287
2084.05	949	0.0001	0.001144	0.021727	0.04745	21.83908	1.149425287
2505.72	795	0.0001	0.001144	0.022870	0.03975	22.98851	1.149425287
3037.33	659	0.0001	0.001144	0.024014	0.03295	24.13793	1.149425287
3542.23	553	0.0001	0.001144	0.025157	0.02765	25.28736	1.149425287
4300.19	466	0.0001	0.001144	0.026301	0.0233	26.43678	1.149425287
5094.62	388	0.0002	0.002287	0.028588	0.0194	28.73563	2.298850575
5975.2	329	0.0002	0.002287	0.030875	0.01645	31.03448	2.298850575
6982.85	281	0.0002	0.002287	0.033162	0.01405	33.33333	2.298850575
8615.89	234	0.0003	0.003431	0.036592	0.0117	36.78161	3.448275862
10006.51	195	0.0002	0.002287	0.038879	0.00975	39.08046	2.298850575
11966.09	166	0.0003	0.003431	0.042310	0.0083	42.52874	3.448275862
14444.94	138	0.0004	0.004574	0.046884	0.0069	47.12644	4.597701149
17340.48	115	0.0004	0.004574	0.051458	0.00575	51.72414	4.597701149
20773.39	96	0.0005	0.005718	0.057175	0.0048	57.47126	5.747126437
24966.93	80	0.0006	0.006861	0.064036	0.004	64.36782	6.896551724
29942.04	66	0.0006	0.006861	0.070897	0.0033	71.26437	6.896551724
34866.06	56	0.0005	0.005718	0.076615	0.0028	77.01149	5.747126437
39970.03	49	0.0005	0.005718	0.082332	0.00245	82.75862	5.747126437
44872.76	43	0.0004	0.004574	0.086906	0.00215	87.35632	4.597701149
49994.14	38	0.0003	0.003431	0.090337	0.0019	90.8046	3.448275862
54954.39	35	0.0003	0.003431	0.093767	0.00175	94.25287	3.448275862
59776.57	32	0.0002	0.002287	0.096054	0.0016	96.55172	2.298850575
55127.89	32	0.0002	0.002287	0.098341	0.0016	98.85057	2.298850575
49425.42	35	0.0001	0.001144	0.099485	0.00175	100	1.149425287
44492.82	39	0	0	0.099485	0.00195	100	0
39598.21	43	0	0	0.099485	0.00215	100	0
34865.1	49	-0.0001	-0.001144	0.098341	0.00245	98.85057	1.149425287
30078.76	56	-0.0002	-0.002287	0.096054	0.0028	96.55172	2.298850575
19955.61	75	-0.0006	-0.006861	0.089193	0.00375	89.65517	6.896551724
17983.58	96	-0.0002	-0.002287	0.086906	0.0048	87.35632	2.298850575
14977.28	111	-0.0003	-0.003431	0.083476	0.00555	83.90805	3.448275862
12562.31	132	-0.0003	-0.003431	0.080045	0.0066	80.45977	3.448275862
10002.18	162	-0.0004	-0.004574	0.075471	0.0081	75.86207	4.597701149
8518.57	197	-0.0003	-0.003431	0.072041	0.00985	72.41379	3.448275862
7401.95	228	-0.0002	-0.002287	0.069754	0.0114	70.11494	2.298850575
6223.23	267	-0.0002	-0.002287	0.067467	0.01335	67.81609	2.298850575
5108.04	322	-0.0003	-0.003431	0.064036	0.0161	64.36782	3.448275862
4198.26	392	-0.0002	-0.002287	0.061749	0.0196	62.06897	2.298850575
3553.94	470	-0.0002	-0.002287	0.059462	0.0235	59.77011	2.298850575
2938.58	562	-0.0002	-0.002287	0.057175	0.0281	57.47126	2.298850575
2442.91	678	-0.0002	-0.002287	0.054888	0.0339	55.17241	2.298850575
2051.57	811	-0.0001	-0.001144	0.053745	0.04055	54.02299	1.149425287
1583.51	1012	-0.0002	-0.002287	0.051458	0.0506	51.72414	2.298850575
1244.2	1298	-0.0002	-0.002287	0.049171	0.0649	49.42529	2.298850575
953.47	1675	-0.0002	-0.002287	0.046884	0.08375	47.12644	2.298850575
779.68	2108	-0.0001	-0.001144	0.045740	0.1054	45.97701	1.149425287
604.21	2657	-0.0001	-0.001144	0.044597	0.13285	44.82759	1.149425287
464.08	3445	-0.0001	-0.001144	0.043453	0.17225	43.67816	1.149425287
360.53	4457	-0.0001	-0.001144	0.042310	0.22285	42.52874	1.149425287
287.28	5656	-0.0001	-0.001144	0.041166	0.2828	41.37931	1.149425287
227.87	7117	-0.0003	-0.003431	0.037736	0.35585	37.93103	3.448275862
178.33	9040	-0.0002	-0.002287	0.035449	0.452	35.63218	2.298850575
139.22	11567	-0.0001	-0.001144	0.034305	0.57835	34.48276	1.149425287
108.47	14833	-0.0001	-0.001144	0.033162	0.74165	33.33333	1.149425287
84.9	18989	-0.0001	-0.001144	0.032018	0.94945	32.18391	1.149425287
66.1	24334	0	0	0.032018	1.2167	32.18391	0
51.81	31137	0	0	0.032018	1.55685	32.18391	0
40.06	40027	0	0	0.032018	2.00135	32.18391	0
30.84	51897	0	0	0.032018	2.59485	32.18391	0
24.39	66402	0	0	0.032018	3.3201	32.18391	0
19.1	84426	0	0	0.032018	4.2213	32.18391	0
14.92	107954	0	0	0.032018	5.3977	32.18391	0


Beanbush 1 - 8741'-8741'5"
100000
10000
1000
100
10
1
Capillary Pressure (psi)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Beanbush 1 - 8741'-8741'5"
Pore Throat Size Distribution
8
6
4
2
0
Relative Pore Volume
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Beanbush 1 - 8741'-8741'5"
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
Incremental Pore Volume
1
10
100
1000
10000
100000
Capillary Pressure (psi)

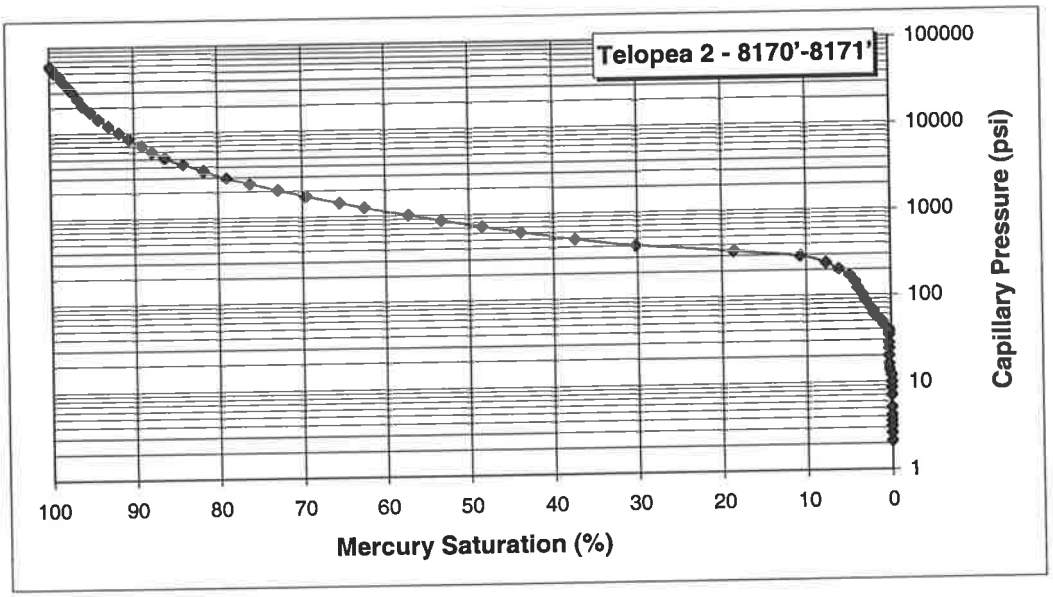
Sample **Telopea 2 - 8170'-8171'**

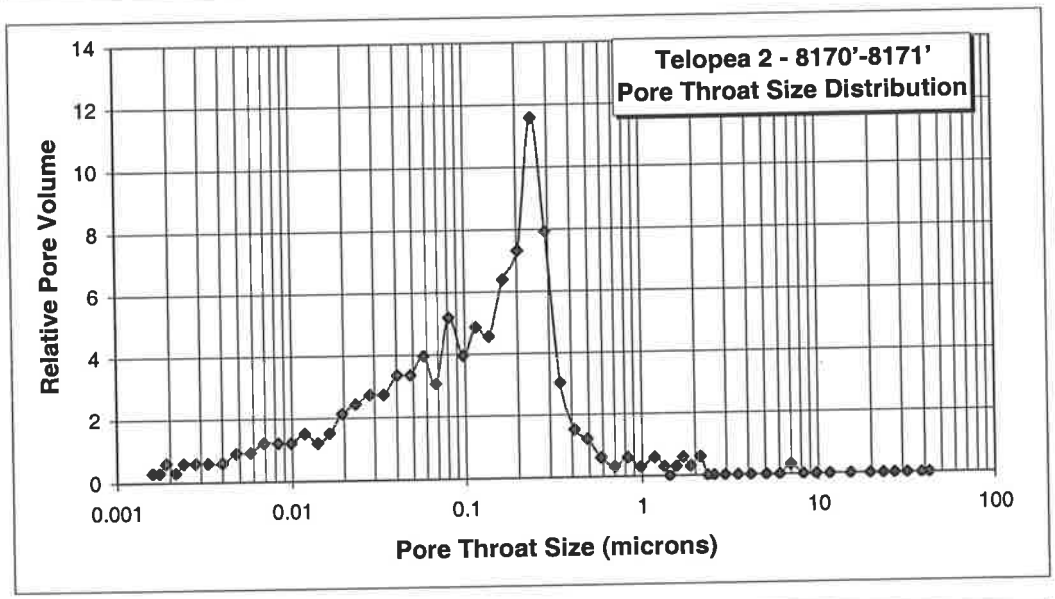
Date

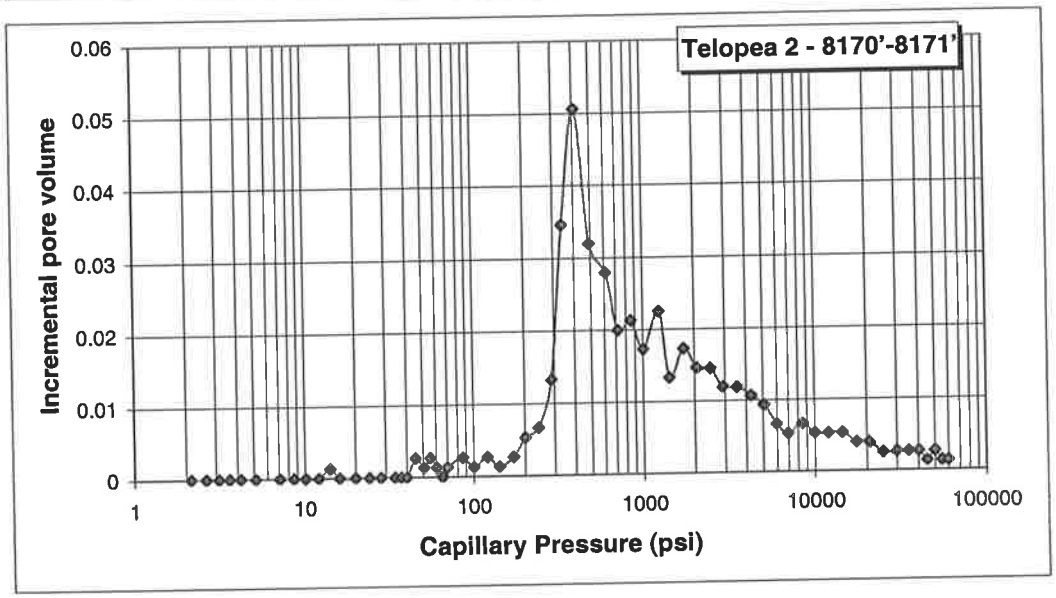
Sample weight	13.31
Pen Weight	61.65
Assembly weight	217.812
Hg Surface Tensio	485
Pen Volume	15.9059
Stem Volume	1.131
Hg Density	13.5335
Hg volume	10.5554365
Sample volume	5.35046349
Bulk density	2.48763495
Skeletal volume	4.913895
Skeletal density	2.70864532
Porosity	8.15944265
% Intrusion	38.6001768

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume (mL/g)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative Pore Volume
2.14	846853	0	0	0	42.34265	0	0
2.63	767811	0	0	0	38.39055	0	0
3.12	634390	0	0	0	31.7195	0	0
3.61	540402	0	0	0	27.0201	0	0
4.19	466173	0	0	0	23.30865	0	0
5.12	392567	0	0	0	19.62835	0	0
7.1	304236	0	0	0	15.2118	0	0
8.59	232764	0	0	0	11.6382	0	0
10.07	195091	0	0	0	9.75455	0	0
12.06	164760	0	0	0	8.238	0	0
14.08	139234	0.0001	0.001331	0.001331	6.9617	0.304878	0.304878
16.06	120572	0	0	0.001331	6.0286	0.304878	0
20.04	101456	0	0	0.001331	5.0728	0.304878	0
24.02	82785	0	0	0.001331	4.13925	0.304878	0
27.99	69965	0	0	0.001331	3.49825	0.304878	0
33.97	58931	0	0	0.001331	2.94655	0.304878	0
36.98	51072	0	0	0.001331	2.5536	0.304878	0
39.97	47079	0	0	0.001331	2.35395	0.304878	0
45.34	42572	0.0002	0.002662	0.003993	2.1286	0.914634	0.609756
50.73	37770	0.0001	0.001331	0.005324	1.8885	1.219512	0.304878
55.43	34141	0.0002	0.002662	0.007986	1.70705	1.829268	0.609756
60.59	31240	0.0001	0.001331	0.009317	1.562	2.134146	0.304878
65.56	28718	0	0	0.009317	1.4359	2.134146	0
69.89	26732	0.0001	0.001331	0.010648	1.3366	2.439024	0.304878
86.05	23448	0.0002	0.002662	0.01331	1.1724	3.04878	0.609756
99.94	19558	0.0001	0.001331	0.014641	0.9779	3.353659	0.304878
120.17	16574	0.0002	0.002662	0.017303	0.8287	3.963415	0.609756
141.48	13917	0.0001	0.001331	0.018634	0.69585	4.268293	0.304878
170.4	11699	0.0002	0.002662	0.021296	0.58495	4.878049	0.609756
200.95	9807	0.0004	0.005324	0.02662	0.49035	6.097561	1.219512
240.48	8261	0.0005	0.006655	0.033275	0.41305	7.621951	1.52439
289.19	6887	0.001	0.01331	0.046585	0.34435	10.67073	3.04878
339.47	5791	0.0026	0.034606	0.081191	0.28955	18.59756	7.926829
409.6	4872	0.0038	0.050578	0.131769	0.2436	30.18293	11.58537
492.03	4046	0.0024	0.031944	0.163713	0.2023	37.5	7.317073
609.92	3321	0.0021	0.027951	0.191664	0.16605	43.90244	6.402439
715.9	2746	0.0015	0.019965	0.211629	0.1373	48.47561	4.573171
856.98	2318	0.0016	0.021296	0.232925	0.1159	53.35366	4.878049
1007.88	1952	0.0013	0.017303	0.250228	0.0976	57.31707	3.963415
1246.27	1623	0.0017	0.022627	0.272855	0.08115	62.5	5.182927

1431.92	1357	0.001	0.01331	0.286165	0.06785	65.54878	3.04878
1735.25	1153	0.0013	0.017303	0.303468	0.05765	69.5122	3.963415
2054.73	961	0.0011	0.014641	0.318109	0.04805	72.86585	3.353659
2465.89	807	0.0011	0.014641	0.33275	0.04035	76.21951	3.353659
2922.61	676	0.0009	0.011979	0.344729	0.0338	78.96341	2.743902
3536.01	565	0.0009	0.011979	0.356708	0.02825	81.70732	2.743902
4265.17	468	0.0008	0.010648	0.367356	0.0234	84.14634	2.439024
5075.47	390	0.0007	0.009317	0.376673	0.0195	86.28049	2.134146
5984.09	329	0.0005	0.006655	0.383328	0.01645	87.80488	1.52439
6973.63	281	0.0004	0.005324	0.388652	0.01405	89.02439	1.219512
8509.43	236	0.0005	0.006655	0.395307	0.0118	90.54878	1.52439
10008.31	197	0.0004	0.005324	0.400631	0.00985	91.76829	1.219512
11973.59	166	0.0004	0.005324	0.405955	0.0083	92.9878	1.219512
14434	138	0.0004	0.005324	0.411279	0.0069	94.20732	1.219512
17398.43	115	0.0003	0.003993	0.415272	0.00575	95.12195	0.914634
20730.23	96	0.0003	0.003993	0.419265	0.0048	96.03659	0.914634
24908.19	80	0.0002	0.002662	0.421927	0.004	96.64634	0.609756
29977.06	66	0.0002	0.002662	0.424589	0.0033	97.2561	0.609756
35010.09	56	0.0002	0.002662	0.427251	0.0028	97.86585	0.609756
40179.41	48	0.0002	0.002662	0.429913	0.0024	98.47561	0.609756
44962.21	43	0.0001	0.001331	0.431244	0.00215	98.78049	0.304878
50006.6	38	0.0002	0.002662	0.433906	0.0019	99.39024	0.609756
54916.11	35	0.0001	0.001331	0.435237	0.00175	99.69512	0.304878
59941.7	32	0.0001	0.001331	0.436568	0.0016	100	0.304878
54822.75	32	-0.0001	-0.001331	0.435237	0.0016	99.69512	0.304878
49983.86	35	-0.0002	-0.002662	0.432575	0.00175	99.08537	0.609756
44831.91	38	-0.0001	-0.001331	0.431244	0.0019	98.78049	0.304878
39894.69	43	-0.0001	-0.001331	0.429913	0.00215	98.47561	0.304878
34836.1	49	-0.0001	-0.001331	0.428582	0.00245	98.17073	0.304878
30039.45	56	-0.0001	-0.001331	0.427251	0.0028	97.86585	0.304878
19963.8	75	-0.0004	-0.005324	0.421927	0.00375	96.64634	1.219512
18013.06	96	-0.0001	-0.001331	0.420596	0.0048	96.34146	0.304878
15073.82	110	-0.0001	-0.001331	0.419265	0.0055	96.03659	0.304878
12545.25	132	-0.0002	-0.002662	0.416603	0.0066	95.42683	0.609756
10033.36	162	-0.0002	-0.002662	0.413941	0.0081	94.81707	0.609756
8541.93	196	-0.0002	-0.002662	0.411279	0.0098	94.20732	0.609756
7369.23	229	-0.0002	-0.002662	0.408617	0.01145	93.59756	0.609756
6217.48	268	-0.0005	-0.006655	0.401962	0.0134	92.07317	1.52439
5120.4	322	-0.0006	-0.007986	0.393976	0.0161	90.2439	1.829268
4230.32	390	-0.0002	-0.002662	0.391314	0.0195	89.63415	0.609756
3560.54	468	-0.0002	-0.002662	0.388652	0.0234	89.02439	0.609756
2971.78	558	-0.0003	-0.003993	0.384659	0.0279	88.10976	0.914634
2466.73	671	-0.0003	-0.003993	0.380666	0.03355	87.19512	0.914634
2068.26	804	-0.0003	-0.003993	0.376673	0.0402	86.28049	0.914634
1599.05	1003	-0.0005	-0.006655	0.370018	0.05015	84.7561	1.52439
1240.02	1295	-0.0005	-0.006655	0.363363	0.06475	83.23171	1.52439
966.05	1665	-0.0007	-0.009317	0.354046	0.08325	81.09756	2.134146
784.74	2088	-0.0006	-0.007986	0.34606	0.1044	79.26829	1.829268
600.43	2658	-0.0009	-0.011979	0.334081	0.1329	76.52439	2.743902
471.67	3423	-0.0009	-0.011979	0.322102	0.17115	73.78049	2.743902
371.28	4353	-0.001	-0.01331	0.308792	0.21765	70.73171	3.04878
288.93	5566	-0.0011	-0.014641	0.294151	0.2783	67.37805	3.353659
228.25	7092	-0.0011	-0.014641	0.27951	0.3546	64.02439	3.353659
178.31	9034	-0.001	-0.01331	0.2662	0.4517	60.97561	3.04878
139.03	11576	-0.001	-0.01331	0.25289	0.5788	57.92683	3.04878
108.27	14857	-0.001	-0.01331	0.23958	0.74285	54.87805	3.04878
84.42	19064	-0.001	-0.01331	0.22627	0.9532	51.82927	3.04878
66.11	24391	-0.0008	-0.010648	0.215622	1.21955	49.39024	2.439024
51.85	31120	-0.0005	-0.006655	0.208967	1.556	47.86585	1.52439
40.18	39948	-0.0004	-0.005324	0.203643	1.9974	46.64634	1.219512
31.37	51336	-0.0002	-0.002662	0.200981	2.5668	46.03659	0.609756
24.68	65472	-0.0001	-0.001331	0.19965	3.2736	45.73171	0.304878


Telopea 2 - 8170'-8171'
100000
10000
1000
100
10
1
Capillary Pressure (psi)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Telopea 2 - 8170'-8171'
Pore Throat Size Distribution
Relative Pore Volume
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Telopea 2 - 8170'-8171'
Incremental pore volume
0.06
0.05
0.04
0.03
0.02
0.01
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

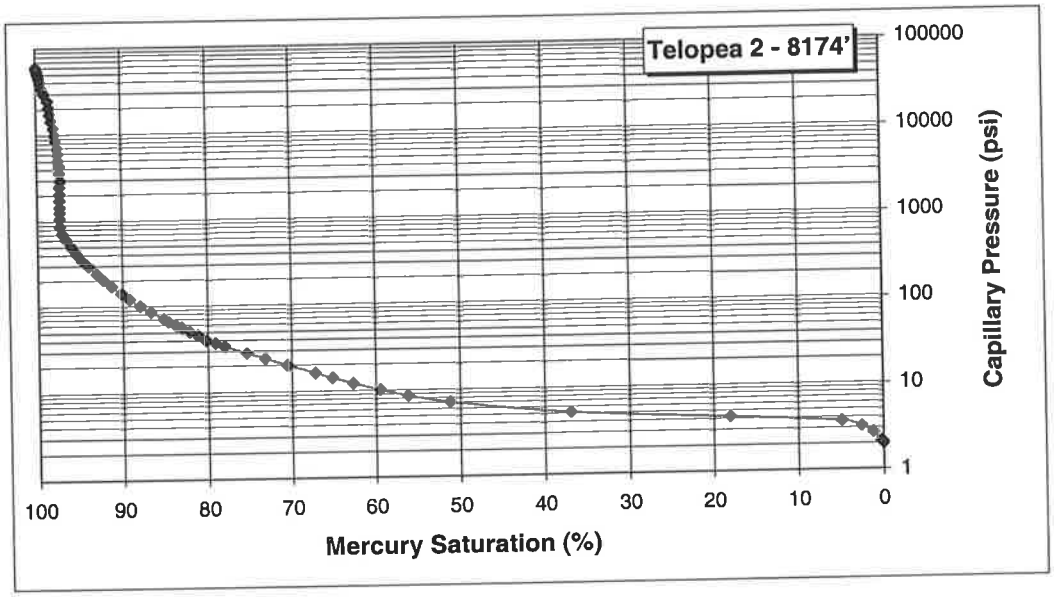
Sample **Telopea 2 - 8174'**

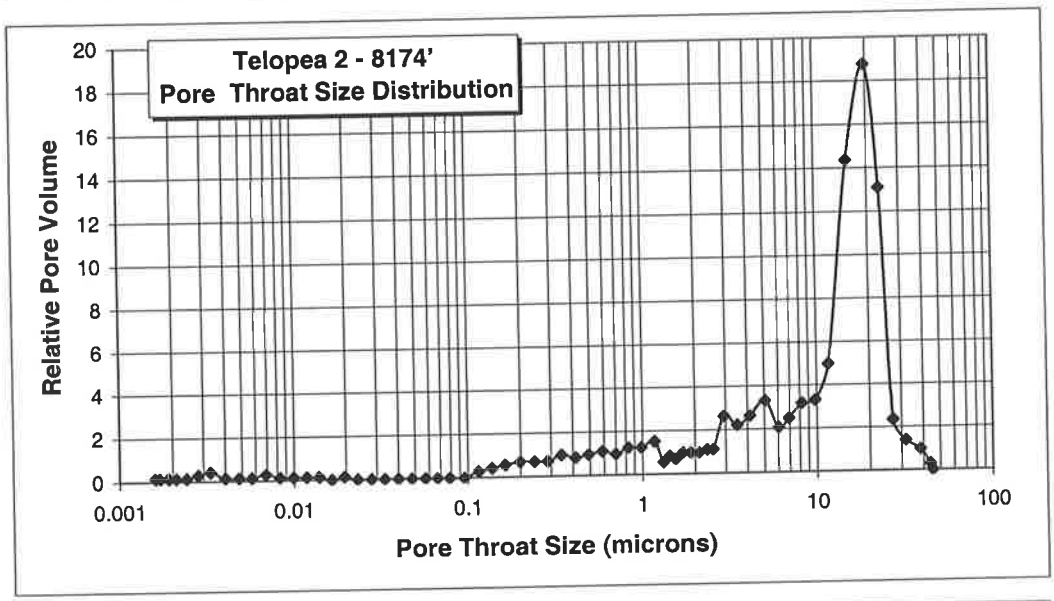
Date February 3, 2000

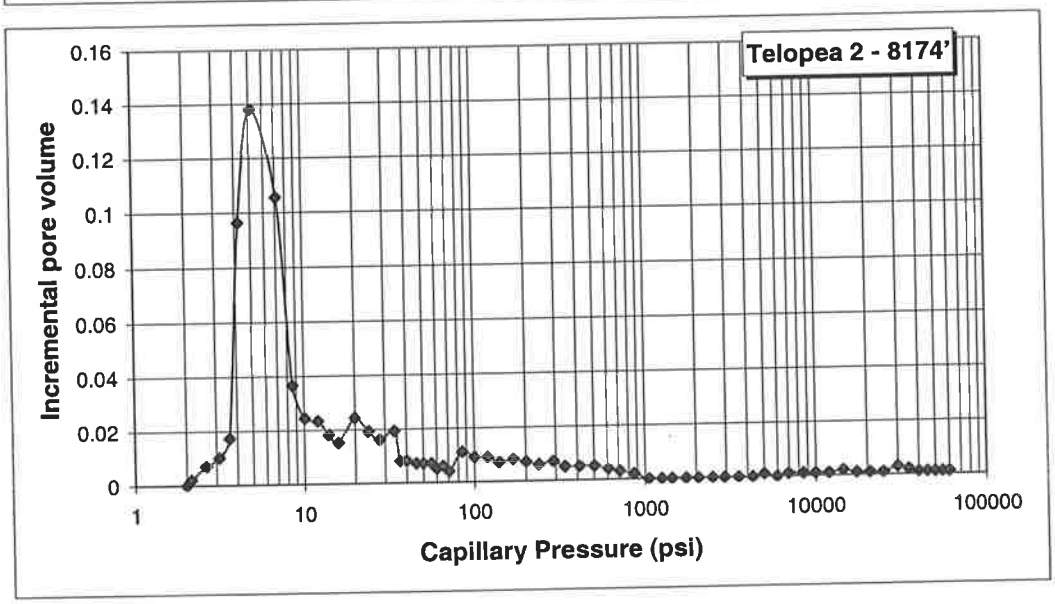
Sample Weight	10.1490
Pen. Weight:	61.1680
Assembly Weight:	224.3000
Hg Surface Tension:	485.0000
Pen. Volume:	15.8800
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	11.3040
Sample volume	4.5760
Bulk density	2.2179
Skeletal volume	3.8402
Skeletal density	**2.6428**
Porosity	**16.0797**
% Intrusion	65.0577

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.13	0.0020298	0.0020298	43.83	0.28	50.516	0.28
2.63	0.0071043	0.0091341	38.4397	1.24	40.913	0.97
3.12	0.010149	0.0192831	31.71	2.62	34.487	1.38
3.61	0.0172533	0.0365364	27.0144	4.97	29.806	2.34
4.2	0.0964155	0.1329519	23.2959	18.07	25.619	13.10
5.12	0.1380264	0.2709783	19.6042	36.83	21.016	18.76
7.09	0.1055496	0.3765279	15.2042	51.17	15.176	14.34
8.57	0.0365364	0.4130643	11.6468	56.14	12.555	4.97
10.06	0.0243576	0.4374219	9.7675	59.45	10.696	3.31
12.06	0.0233427	0.4607646	8.2422	62.62	8.922	3.17
14.07	0.0182682	0.4790328	6.9618	65.10	7.647	2.48
16.06	0.0152235	0.4942563	6.0293	67.17	6.700	2.07
20.04	0.0243576	0.5186139	5.0716	70.48	5.369	3.31
24.02	0.0192831	0.537897	4.1389	73.10	4.480	2.62
27.99	0.0162384	0.5541354	3.4981	75.31	3.844	2.21
33.98	0.0192831	0.5734185	2.946	77.93	3.167	2.62
36.97	0.0081192	0.5815377	2.5537	79.03	2.910	1.10
39.96	0.0081192	0.5896569	2.3547	80.14	2.693	1.10
45.69	0.0071043	0.5967612	2.1212	81.10	2.355	0.97
50.17	0.0071043	0.6038655	1.8909	82.07	2.145	0.97
56.02	0.0071043	0.6109698	1.7084	83.03	1.921	0.97
60.31	0.0050745	0.6160443	1.5569	83.72	1.784	0.69
65.56	0.0060894	0.6221337	1.4394	84.55	1.641	0.83
70.8	0.0040596	0.6261933	1.3284	85.10	1.520	0.55
84.95	0.0111639	0.6373572	1.1709	86.62	1.267	1.52
100.06	0.0091341	0.6464913	0.9842	87.86	1.075	1.24
119.79	0.0091341	0.6556254	0.8294	89.10	0.898	1.24
140.3	0.0071043	0.6627297	0.6998	90.07	0.767	0.97
169.38	0.0081192	0.6708489	0.5892	91.17	0.635	1.10
200.65	0.0071043	0.6779532	0.4923	92.14	0.536	0.97
239.08	0.0060894	0.6840426	0.4145	92.97	0.450	0.83
291.95	0.0071043	0.6911469	0.344	93.93	0.369	0.97
340.42	0.0050745	0.6962214	0.2877	94.62	0.316	0.69
412	0.0050745	0.7012959	0.2426	95.31	0.261	0.69
503.7	0.0050745	0.7063704	0.1995	96.00	0.214	0.69
607.03	0.0040596	0.71043	0.1643	96.55	0.177	0.55

712.05	0.0030447	0.7134747	0.138	96.97	0.151	0.41
862.61	0.0020298	0.7155045	0.1159	97.24	0.125	0.28
1055.53	0	0.7155045	0.0953	97.24	0.102	0.00
1259.93	0	0.7155045	0.0787	97.24	0.085	0.00
1443.66	0	0.7155045	0.0672	97.24	0.075	0.00
1743.35	0	0.7155045	0.0573	97.24	0.062	0.00
2057.54	0	0.7155045	0.0479	97.24	0.052	0.00
2493.51	0	0.7155045	0.0401	97.24	0.043	0.00
2936.21	0	0.7155045	0.0335	97.24	0.037	0.00
3548.99	0	0.7155045	0.0281	97.24	0.030	0.00
4286.83	0	0.7155045	0.0233	97.24	0.025	0.00
4989.13	0.0010149	0.7165194	0.0196	97.38	0.022	0.14
5988.99	0	0.7165194	0.0166	97.38	0.018	0.00
6971.46	0.0010149	0.7175343	0.014	97.52	0.015	0.14
8489.88	0.0010149	0.7185492	0.0118	97.66	0.013	0.14
9961.81	0.0010149	0.7195641	0.0099	97.79	0.011	0.14
11945.92	0.0010149	0.720579	0.0083	97.93	0.009	0.14
14457.81	0.0020298	0.7226088	0.0069	98.21	0.007	0.28
17378.24	0.0010149	0.7236237	0.0057	98.34	0.006	0.14
20708.63	0.0010149	0.7246386	0.0048	98.48	0.005	0.14
24880.58	0.0010149	0.7256535	0.004	98.62	0.004	0.14
29984.95	0.0030447	0.7286982	0.0033	99.03	0.004	0.41
34856.12	0.0020298	0.730728	0.0028	99.31	0.003	0.28
40003.45	0.0010149	0.7317429	0.0024	99.45	0.003	0.14
44864.35	0.0010149	0.7327578	0.0021	99.59	0.002	0.14
49885.67	0.0010149	0.7337727	0.0019	99.72	0.002	0.14
54988.63	0.0010149	0.7347876	0.0017	99.86	0.002	0.14
59928.68	0.0010149	0.7358025	0.0016	100.00	0.002	0.14
54333.75	0	0.7358025	0.0016	100.00	0.002	0.00
49656.71	0	0.7358025	0.0017	100.00	0.002	0.00
45040.36	-0.0010149	0.7347876	0.0019	99.86	0.002	0.14
39727.26	-0.0010149	0.7337727	0.0021	99.72	0.003	0.14
34708.77	0	0.7337727	0.0024	99.72	0.004	0.00
29931.99	-0.0010149	0.7327578	0.0028	99.59	0.005	0.14
19968.85	-0.0030447	0.7297131	0.0038	99.17	0.007	0.41
17953.51	0	0.7297131	0.0048	99.17	0.008	0.00
15011.77	-0.0010149	0.7286982	0.0055	99.03	0.009	0.14
12559.86	-0.0010149	0.7276833	0.0066	98.90	0.011	0.14
10024.89	-0.0020298	0.7256535	0.0081	98.62	0.014	0.28
8530.25	-0.0010149	0.7246386	0.0098	98.48	0.016	0.14
7415.75	0	0.7246386	0.0114	98.48	0.019	0.00
6210.38	-0.0020298	0.7226088	0.0134	98.21	0.023	0.28
5115.76	-0.0010149	0.7215939	0.0161	98.07	0.027	0.14
4239.92	-0.0010149	0.720579	0.0195	97.93	0.033	0.14
3562.27	-0.0010149	0.7195641	0.0234	97.79	0.039	0.14
2976.6	0	0.7195641	0.0279	97.79	0.047	0.00
2472.71	0	0.7195641	0.0335	97.79	0.057	0.00
2106.49	0	0.7195641	0.0398	97.79	0.067	0.00
1634.88	0	0.7195641	0.0491	97.79	0.086	0.00
1285.69	0	0.7195641	0.0628	97.79	0.109	0.00
973.38	0	0.7195641	0.0816	97.79	0.144	0.00
765.06	0	0.7195641	0.1056	97.79	0.184	0.00
587.89	0	0.7195641	0.136	97.79	0.239	0.00
453.02	0	0.7195641	0.1767	97.79	0.310	0.00
373.78	0	0.7195641	0.2208	97.79	0.376	0.00
288.22	-0.0030447	0.7165194	0.2778	97.38	0.487	0.41
227.73	-0.0091341	0.7073853	0.3554	96.14	0.617	1.24
177.74	-0.0060894	0.7012959	0.4529	95.31	0.790	0.83
139.11	-0.0071043	0.6941916	0.5794	94.34	1.010	0.97
108.15	-0.0081192	0.6860724	0.7431	93.24	1.299	1.10
84.5	-0.0081192	0.6779532	0.9532	92.14	1.662	1.10
66.06	-0.0091341	0.6688191	1.2196	90.90	2.126	1.24
51.59	-0.0091341	0.659685	1.5609	89.66	2.723	1.24


Telopea 2 - 8174'
100000
10000
1000
100
10
1
Capillary Pressure (psi)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Telopea 2 - 8174'
Pore Throat Size Distribution
Relative Pore Volume
20
18
16
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Telopea 2 - 8174'
Incremental pore volume
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

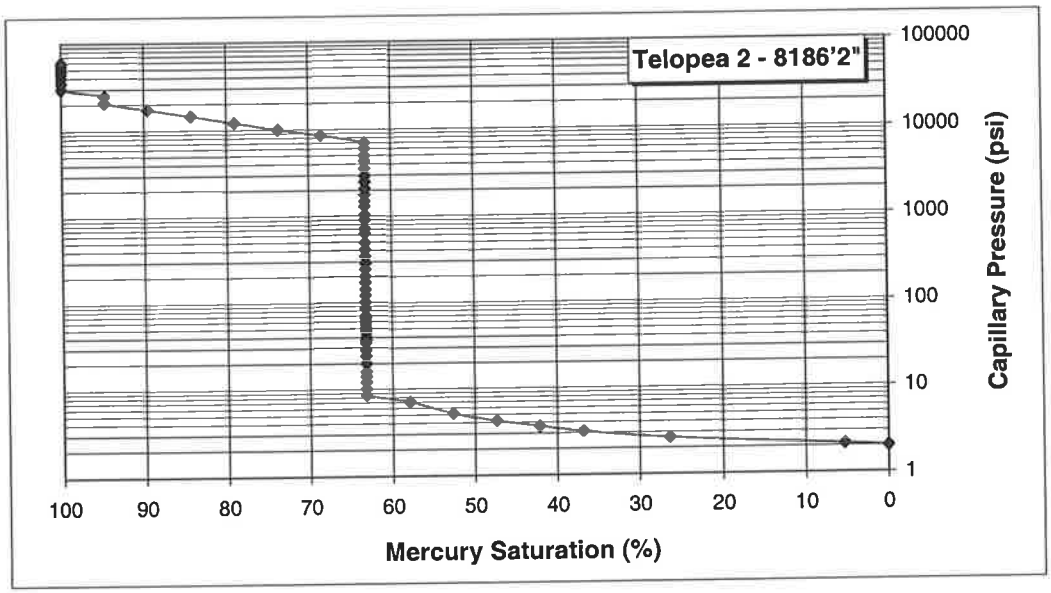
Sample **Telopea 2 - 8186'2"**

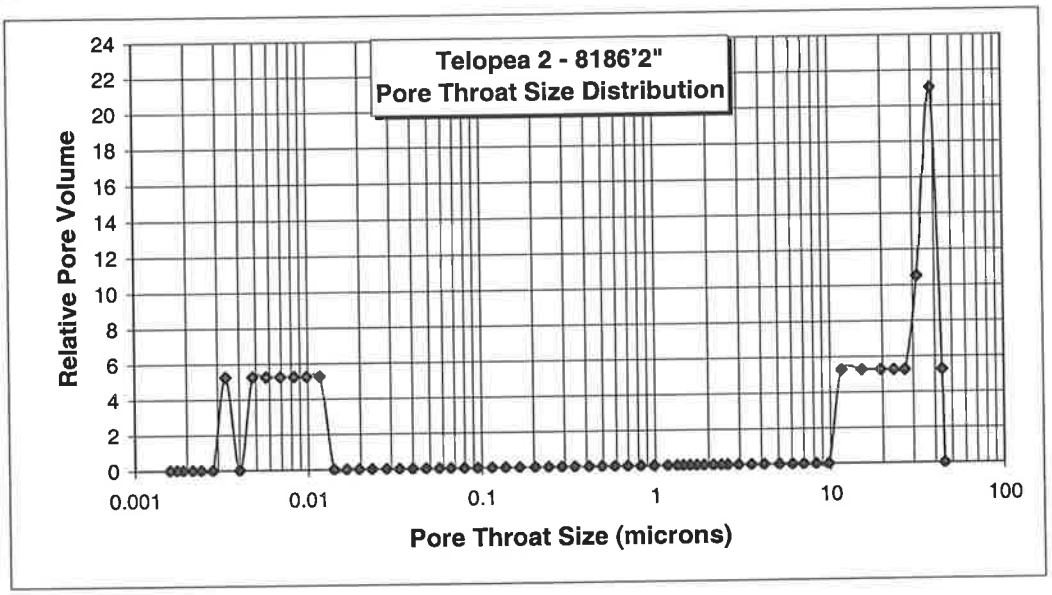
Date

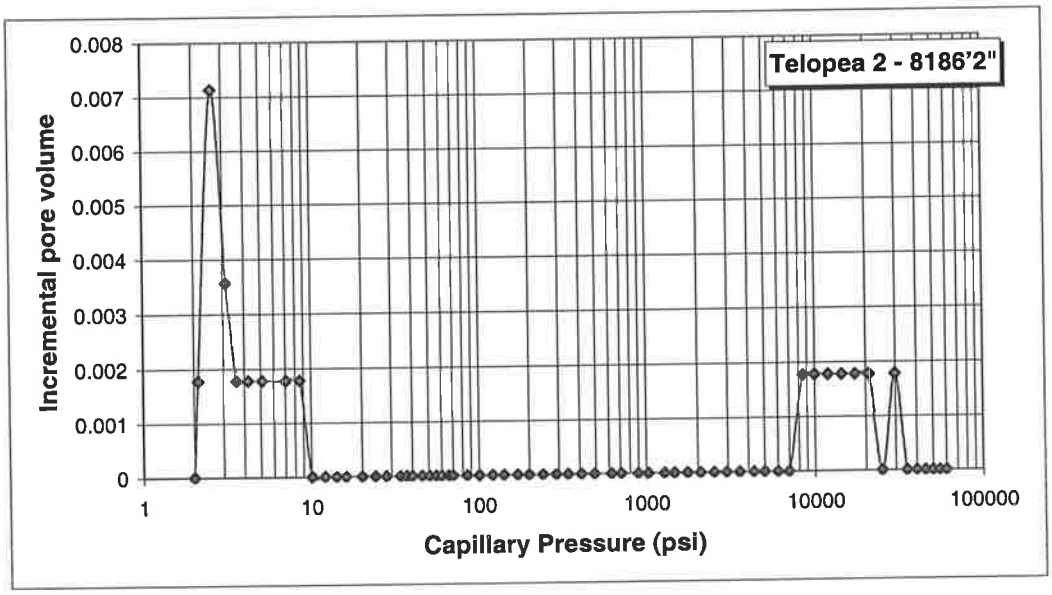
Sample weight	17.834
Pen Weight	63.038
Assembly weight	192.932
Hg Surface Tensic	485
Pen Volume	15.1193
Stem Volume	0.392
Hg Density	13.5335
Hg volume	8.28019359
Sample volume	6.83910641
Bulk density	2.60765061
Skeletal volume	6.805222
Skeletal density	2.62063464
Porosity	0.49545362
% Intrusion	8.64403061

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative Pore Volume
2	904318	0	0	0.000000	45.2159	0	0
2.12	878825	0.0001	0.0017834	0.001783	43.94125	5.263158	5.263158
2.61	773276	0.0004	0.0071336	0.008917	38.6638	26.31579	21.05263
3.14	634698	0.0002	0.0035668	0.012484	31.7349	36.84211	10.52632
3.63	537538	0.0001	0.0017834	0.014267	26.8769	42.10526	5.263158
4.21	464349	0.0001	0.0017834	0.016051	23.21745	47.36842	5.263158
5.12	391519	0.0001	0.0017834	0.017834	19.57595	52.63158	5.263158
7.08	304400	0.0001	0.0017834	0.019617	15.22	57.89474	5.263158
8.57	233254	0.0001	0.0017834	0.021401	11.6627	63.15789	5.263158
10.08	195147	0	0	0.021401	9.75735	63.15789	0
12.08	164553	0	0	0.021401	8.22765	63.15789	0
14.07	139140	0	0	0.021401	6.957	63.15789	0
16.04	120648	0	0	0.021401	6.0324	63.15789	0
20.02	101566	0	0	0.021401	5.0783	63.15789	0
24	82857	0	0	0.021401	4.14285	63.15789	0
27.99	69983	0	0	0.021401	3.49915	63.15789	0
33.98	58921	0	0	0.021401	2.94605	63.15789	0
36.98	51072	0	0	0.021401	2.5536	63.15789	0
39.95	47091	0	0	0.021401	2.35455	63.15789	0
45.75	42402	0	0	0.021401	2.1201	63.15789	0
50.52	37665	0	0	0.021401	1.88325	63.15789	0
55.53	34184	0	0	0.021401	1.7092	63.15789	0
59.89	31383	0	0	0.021401	1.56915	63.15789	0
65.97	28807	0	0	0.021401	1.44035	63.15789	0
70.01	26625	0	0	0.021401	1.33125	63.15789	0
85.1	23545	0	0	0.021401	1.17725	63.15789	0
100.35	19639	0	0	0.021401	0.98195	63.15789	0
120.76	16501	0	0	0.021401	0.82505	63.15789	0
141.19	13894	0	0	0.021401	0.6947	63.15789	0
171	11694	0	0	0.021401	0.5847	63.15789	0
199.39	9824	0	0	0.021401	0.4912	63.15789	0
241.51	8280	0	0	0.021401	0.414	63.15789	0
289.58	6867	0	0	0.021401	0.34335	63.15789	0
340.99	5775	0	0	0.021401	0.28875	63.15789	0
408.99	4863	0	0	0.021401	0.24315	63.15789	0
489.54	4058	0	0	0.021401	0.2029	63.15789	0
620.7	3304	0	0	0.021401	0.1652	63.15789	0
708.57	2733	0	0	0.021401	0.13665	63.15789	0
893.91	2288	0	0	0.021401	0.1144	63.15789	0
1028.05	1891	0	0	0.021401	0.09455	63.15789	0
1280.5	1586	0	0	0.021401	0.0793	63.15789	0

1469.14	1322	0	0	0.021401	0.0661	63.15789	0
1748.78	1133	0	0	0.021401	0.05665	63.15789	0
2073.95	953	0	0	0.021401	0.04765	63.15789	0
2493.45	799	0	0	0.021401	0.03995	63.15789	0
2951.28	669	0	0	0.021401	0.03345	63.15789	0
3538.78	562	0	0	0.021401	0.0281	63.15789	0
4311.88	465	0	0	0.021401	0.02325	63.15789	0
4992.16	391	0	0	0.021401	0.01955	63.15789	0
5998.4	332	0	0	0.021401	0.0166	63.15789	0
6969.85	281	0	0	0.021401	0.01405	63.15789	0
8525.53	236	0.0001	0.0017834	0.023184	0.0118	68.42105	5.263158
9978.63	197	0.0001	0.0017834	0.024968	0.00985	73.68421	5.263158
11992.88	166	0.0001	0.0017834	0.026751	0.0083	78.94737	5.263158
14474.23	138	0.0001	0.0017834	0.028534	0.0069	84.21053	5.263158
17365.54	115	0.0001	0.0017834	0.030318	0.00575	89.47368	5.263158
20751.62	96	0.0001	0.0017834	0.032101	0.0048	94.73684	5.263158
24909.71	80	0	0	0.032101	0.004	94.73684	0
29943.77	67	0.0001	0.0017834	0.033885	0.00335	100	5.263158
34971.82	56	0	0	0.033885	0.0028	100	0
39946.98	48	0	0	0.033885	0.0024	100	0
44993.5	43	0	0	0.033885	0.00215	100	0
49907.98	38	0	0	0.033885	0.0019	100	0
54781.64	35	0	0	0.033885	0.00175	100	0
59803.32	32	0	0	0.033885	0.0016	100	0
54146.98	32	-0.0001	-0.0017834	0.032101	0.0016	94.73684	5.263158
49728.31	35	0	0	0.032101	0.00175	94.73684	0
44170.64	39	0	0	0.032101	0.00195	94.73684	0
39854.57	43	0	0	0.032101	0.00215	94.73684	0
34873.7	49	0	0	0.032101	0.00245	94.73684	0
29992.57	56	0	0	0.032101	0.0028	94.73684	0
20083.04	75	-0.0001	-0.0017834	0.030318	0.00375	89.47368	5.263158
18036.82	95	0	0	0.030318	0.00475	89.47368	0
14973.36	111	0	0	0.030318	0.00555	89.47368	0
12502.64	133	0	0	0.030318	0.00665	89.47368	0
10049.68	162	0	0	0.030318	0.0081	89.47368	0
8516.01	196	0	0	0.030318	0.0098	89.47368	0
7433.82	228	0	0	0.030318	0.0114	89.47368	0
6224.91	267	0	0	0.030318	0.01335	89.47368	0
5114.33	322	0	0	0.030318	0.0161	89.47368	0
4241.94	390	0	0	0.030318	0.0195	89.47368	0
3612.83	463	0	0	0.030318	0.02315	89.47368	0
2972.82	555	0	0	0.030318	0.02775	89.47368	0
2472.22	670	0	0	0.030318	0.0335	89.47368	0
2072.21	802	0	0	0.030318	0.0401	89.47368	0
1594.66	1003	0	0	0.030318	0.05015	89.47368	0
1279.36	1274	0	0	0.030318	0.0637	89.47368	0
966.21	1643	0	0	0.030318	0.08215	89.47368	0
767.85	2114	0	0	0.030318	0.1057	89.47368	0
590.33	2710	0	0	0.030318	0.1355	89.47368	0
466.42	3471	0	0	0.030318	0.17355	89.47368	0
367.6	4399	0	0	0.030318	0.21995	89.47368	0
290.9	5569	0	0	0.030318	0.27845	89.47368	0
228.19	7072	0	0	0.030318	0.3536	89.47368	0
177.56	9056	0	0	0.030318	0.4528	89.47368	0
138.78	11609	0	0	0.030318	0.58045	89.47368	0
108.21	14873	0	0	0.030318	0.74365	89.47368	0
84.24	19091	0	0	0.030318	0.95455	89.47368	0
66.14	24408	0	0	0.030318	1.2204	89.47368	0
51.59	31204	0	0	0.030318	1.5602	89.47368	0
39.65	40340	0	0	0.030318	2.017	89.47368	0
31.07	51913	0	0	0.030318	2.59565	89.47368	0
24.39	66186	0	0	0.030318	3.3093	89.47368	0
18.53	85881	0	0	0.030318	4.29405	89.47368	0
14.92	109417	0	0	0.030318	5.47085	89.47368	0


Telopea 2 - 8186'2"
100000
10000
1000
100
10
1
Capillary Pressure (psi)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Telopea 2 - 8186'2"
Pore Throat Size Distribution
Relative Pore Volume
24
22
20
18
16
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Telopea 2 - 8186'2"
Incremental pore volume
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

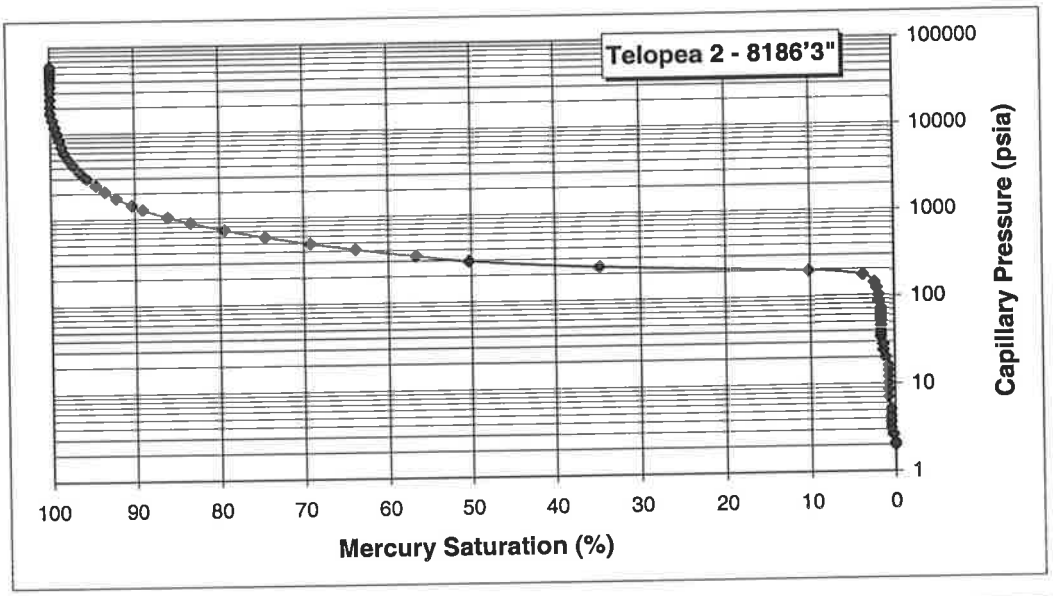
Sample **Telopea 2 - 8186'3"**

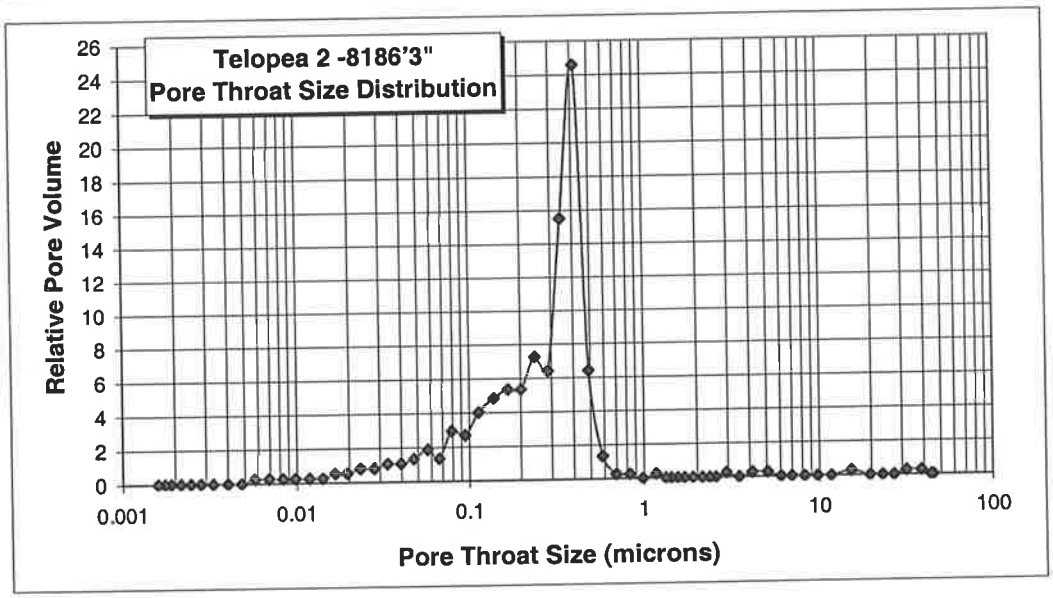
Date

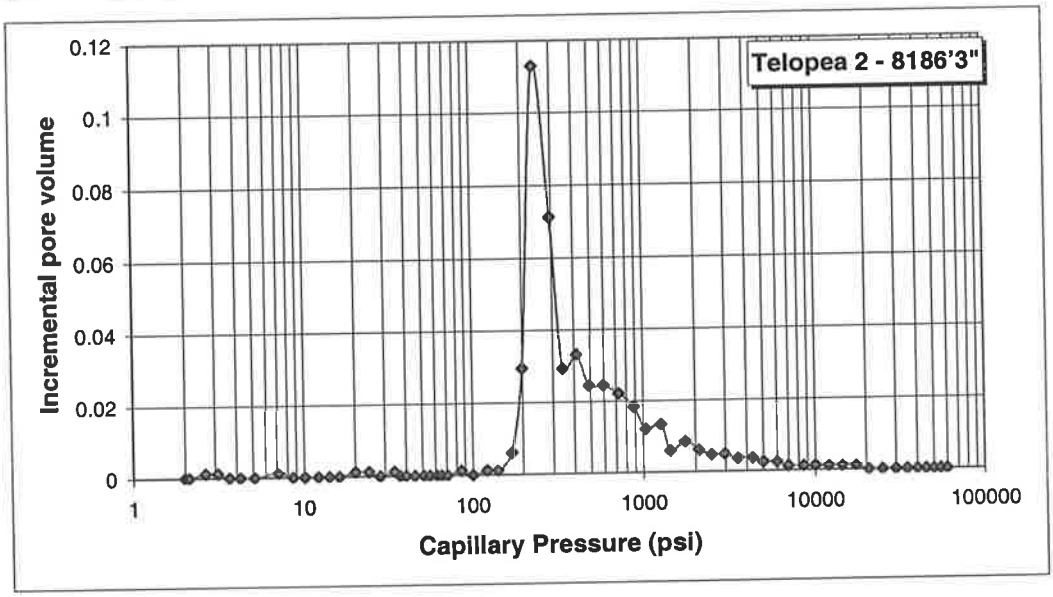
Sample weight	12.282
Pen Weight	61.365
Assembly weight	219.648
Hg Surface Tension	485
Pen Volume	15.88
Stem Volume	1.131
Hg Density	13.5335
Hg volume	10.7881184
Sample volume	5.09188163
Bulk density	2.41207493
Skeletal volume	4.632535
Skeletal density	2.65124828
Porosity	9.02116022
% Intrusion	40.6142175

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Pore volume
2	904318	0	0	0.000000	45.2159	0	0
2.11	880727	0	0	0.000000	44.03635	0	0
2.63	772527	0.0001	0.0012282	0.001228	38.62635	0.26738	0.26738
3.11	634827	0.0001	0.0012282	0.002456	31.74135	0.534759	0.26738
3.64	539595	0	0	0.002456	26.97975	0.534759	0
4.21	463539	0	0	0.002456	23.17695	0.534759	0
5.1	392191	0	0	0.002456	19.60955	0.534759	0
7.08	305145	0.0001	0.0012282	0.003685	15.25725	0.802139	0.26738
8.59	233078	0	0	0.003685	11.6539	0.802139	0
10.09	194979	0	0	0.003685	9.74895	0.802139	0
12.05	164736	0	0	0.003685	8.2368	0.802139	0
14.04	139459	0	0	0.003685	6.97295	0.802139	0
16.05	120745	0	0	0.003685	6.03725	0.802139	0
20.01	101552	0.0001	0.0012282	0.004913	5.0776	1.069519	0.26738
24.02	82851	0.0001	0.0012282	0.006141	4.14255	1.336898	0.26738
28.01	69945	0	0	0.006141	3.49725	1.336898	0
33.97	58912	0.0001	0.0012282	0.007369	2.9456	1.604278	0.26738
36.97	51082	0	0	0.007369	2.5541	1.604278	0
39.97	47087	0	0	0.007369	2.35435	1.604278	0
45.08	42686	0	0	0.007369	2.1343	1.604278	0
51.07	37768	0	0	0.007369	1.8884	1.604278	0
55.52	33996	0	0	0.007369	1.6998	1.604278	0
60.91	31135	0	0	0.007369	1.55675	1.604278	0
65.27	28702	0	0	0.007369	1.4351	1.604278	0
70.52	26678	0	0	0.007369	1.3339	1.604278	0
85.27	23428	0.0001	0.0012282	0.008597	1.1714	1.871658	0.26738
100	19649	0	0	0.008597	0.98245	1.871658	0
120.87	16525	0.0001	0.0012282	0.009826	0.82625	2.139037	0.26738
140.54	13916	0.0001	0.0012282	0.011054	0.6958	2.406417	0.26738
171.32	11713	0.0005	0.006141	0.017195	0.58565	3.743316	1.336898
199.04	9822	0.0024	0.0294768	0.046672	0.4911	10.16043	6.417112
238.95	8328	0.0092	0.1129944	0.159666	0.4164	34.75936	24.59893
293.91	6861	0.0058	0.0712356	0.230902	0.34305	50.26738	15.50802
340.89	5730	0.0024	0.0294768	0.260378	0.2865	56.68449	6.417112
414.73	4833	0.0027	0.0331614	0.293540	0.24165	63.90374	7.219251
492.56	4016	0.002	0.024564	0.318104	0.2008	69.25134	5.347594
593.32	3360	0.002	0.024564	0.342668	0.168	74.59893	5.347594
723.85	2773	0.0018	0.0221076	0.364775	0.13865	79.41176	4.812834
886.55	2269	0.0015	0.018423	0.383198	0.11345	83.42246	4.010695

1037.87	1891	0.001	0.012282	0.395480	0.09455	86.09626	2.673797
1275.98	1580	0.0011	0.0135102	0.408991	0.079	89.03743	2.941176
1442.63	1336	0.0005	0.006141	0.415132	0.0668	90.37433	1.336898
1749.14	1144	0.0007	0.0085974	0.423729	0.0572	92.24599	1.871658
2096.66	948	0.0005	0.006141	0.429870	0.0474	93.58289	1.336898
2483.01	796	0.0004	0.0049128	0.434783	0.0398	94.65241	1.069519
2982.86	667	0.0004	0.0049128	0.439696	0.03335	95.72193	1.069519
3543.71	558	0.0003	0.0036846	0.443380	0.0279	96.52406	0.802139
4322.45	464	0.0003	0.0036846	0.447065	0.0232	97.3262	0.802139
5010.09	390	0.0002	0.0024564	0.449521	0.0195	97.86096	0.534759
5976.58	332	0.0002	0.0024564	0.451978	0.0166	98.39572	0.534759
6978.56	281	0.0001	0.0012282	0.453206	0.01405	98.6631	0.26738
8545.25	235	0.0001	0.0012282	0.454434	0.01175	98.93048	0.26738
10005.11	196	0.0001	0.0012282	0.455662	0.0098	99.19786	0.26738
11984.96	166	0.0001	0.0012282	0.456890	0.0083	99.46524	0.26738
14429.41	138	0.0001	0.0012282	0.458119	0.0069	99.73262	0.26738
17392.44	115	0.0001	0.0012282	0.459347	0.00575	100	0.26738
20721.05	96	0	0	0.459347	0.0048	100	0
24932.05	80	0	0	0.459347	0.004	100	0
29980.7	66	0	0	0.459347	0.0033	100	0
34892.35	56	0	0	0.459347	0.0028	100	0
39922.55	49	0	0	0.459347	0.00245	100	0
44900.57	43	0	0	0.459347	0.00215	100	0
49914.09	38	0	0	0.459347	0.0019	100	0
54898.16	35	0	0	0.459347	0.00175	100	0
59825.78	32	0	0	0.459347	0.0016	100	0
55044.38	32	0	0	0.459347	0.0016	100	0
49553.81	35	-0.0001	-0.0012282	0.458119	0.00175	99.73262	0.26738
44733.37	38	-0.0001	-0.0012282	0.456890	0.0019	99.46524	0.26738
39927.48	43	0	0	0.456890	0.00215	99.46524	0
34965.42	49	0	0	0.456890	0.00245	99.46524	0
29988.46	56	0	0	0.456890	0.0028	99.46524	0
19809.14	76	0	0	0.456890	0.0038	99.46524	0
18037.29	96	0	0	0.456890	0.0048	99.46524	0
14985.17	110	0	0	0.456890	0.0055	99.46524	0
12428.54	133	0	0	0.456890	0.00665	99.46524	0
10049.03	163	0	0	0.456890	0.00815	99.46524	0
8497.6	196	0	0	0.456890	0.0098	99.46524	0
7396.94	229	0	0	0.456890	0.01145	99.46524	0
6226.36	267	0	0	0.456890	0.01335	99.46524	0
5121.08	322	-0.0001	-0.0012282	0.455662	0.0161	99.19786	0.26738
4214.41	391	-0.0001	-0.0012282	0.454434	0.01955	98.93048	0.26738
3608.93	465	-0.0001	-0.0012282	0.453206	0.02325	98.6631	0.26738
2967.02	555	-0.0001	-0.0012282	0.451978	0.02775	98.39572	0.26738
2450.5	674	-0.0001	-0.0012282	0.450749	0.0337	98.12834	0.26738
2091.05	802	-0.0001	-0.0012282	0.449521	0.0401	97.86096	0.26738
1615.78	992	-0.0003	-0.0036846	0.445837	0.0496	97.05882	0.802139
1246.69	1285	-0.0004	-0.0049128	0.440924	0.06425	95.9893	1.069519
972.63	1655	-0.0005	-0.006141	0.434783	0.08275	94.65241	1.336898
778.33	2092	-0.0005	-0.006141	0.428642	0.1046	93.31551	1.336898
596.82	2677	-0.0008	-0.0098256	0.418816	0.13385	91.17647	2.139037
457.54	3492	-0.0009	-0.0110538	0.407762	0.1746	88.77005	2.406417
373.09	4400	-0.0009	-0.0110538	0.396709	0.22	86.36364	2.406417
291.07	5531	-0.0015	-0.018423	0.378286	0.27655	82.35294	4.010695
228.33	7068	-0.0015	-0.018423	0.359863	0.3534	78.34225	4.010695
177.86	9045	-0.0016	-0.0196512	0.340211	0.45225	74.06417	4.278075
137.93	11641	-0.0018	-0.0221076	0.318104	0.58205	69.25134	4.812834
108.69	14876	-0.0017	-0.0208794	0.297224	0.7438	64.70588	4.545455
84.74	18992	-0.0017	-0.0208794	0.276345	0.9496	60.16043	4.545455
66.34	24303	-0.0014	-0.0171948	0.259150	1.21515	56.41711	3.743316
50.94	31384	-0.001	-0.012282	0.246868	1.5692	53.74332	2.673797
39.96	40383	-0.0003	-0.0036846	0.243184	2.01915	52.94118	0.802139
31.37	51460	-0.0002	-0.0024564	0.240727	2.573	52.40642	0.534759
24.35	65961	-0.0001	-0.0012282	0.239499	3.29805	52.13904	0.26738
19.05	84609	-0.0002	-0.0024564	0.237043	4.23045	51.60428	0.534759
14.58	109520	0	0	0.237043	5.476	51.60428	0


Telopea 2 - 8186'3"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Telopea 2 -8186'3"
Pore Throat Size Distribution
Relative Pore Volume
26
24
22
20
18
16
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Telopea 2 - 8186'3"
Incremental pore volume
0.12
0.1
0.08
0.06
0.04
0.02
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

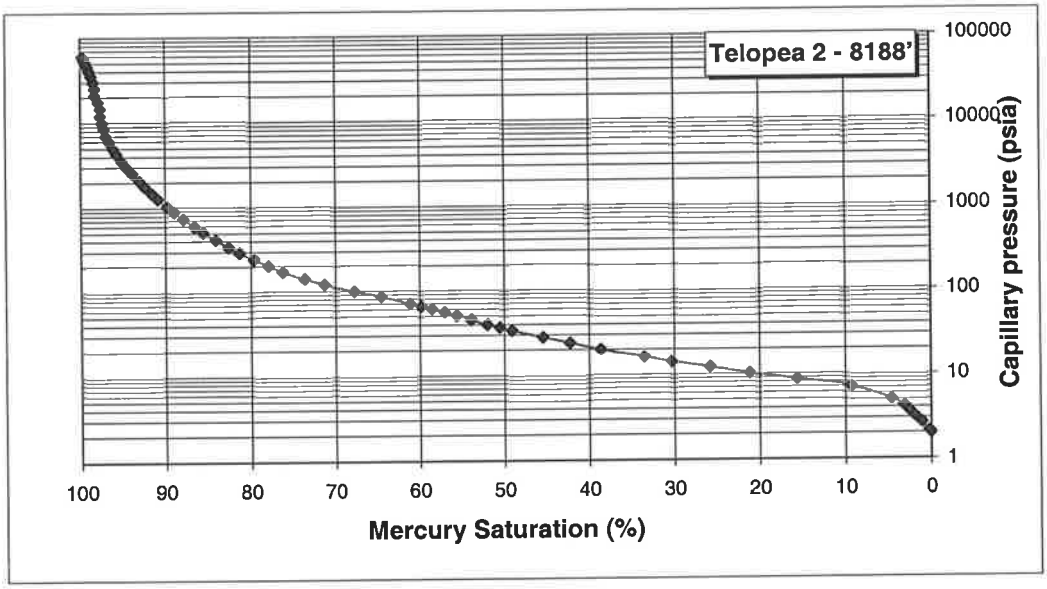
Sample **Telopea 2 - 8188'**

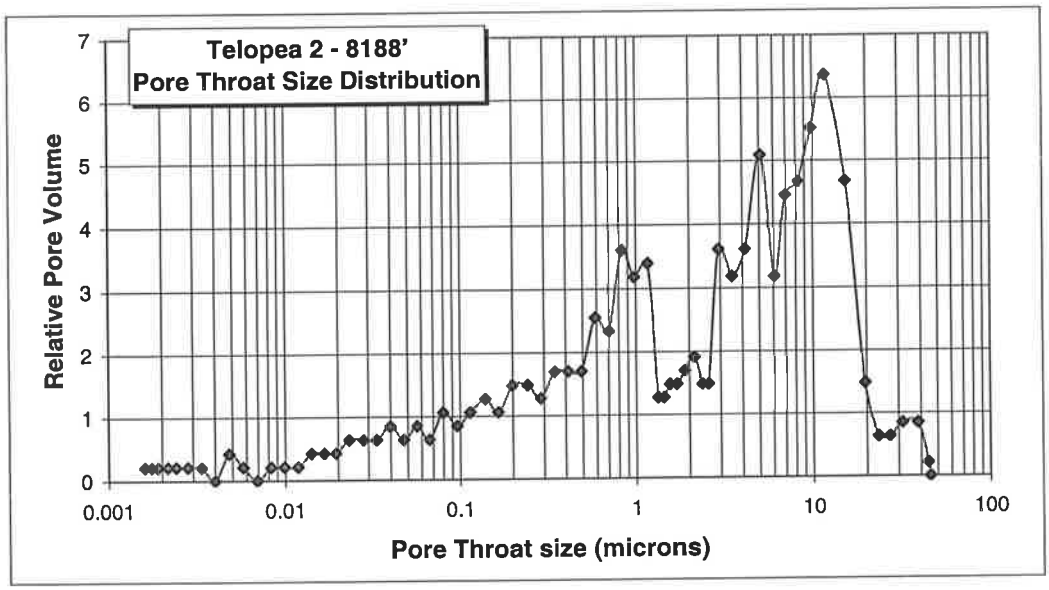
Date

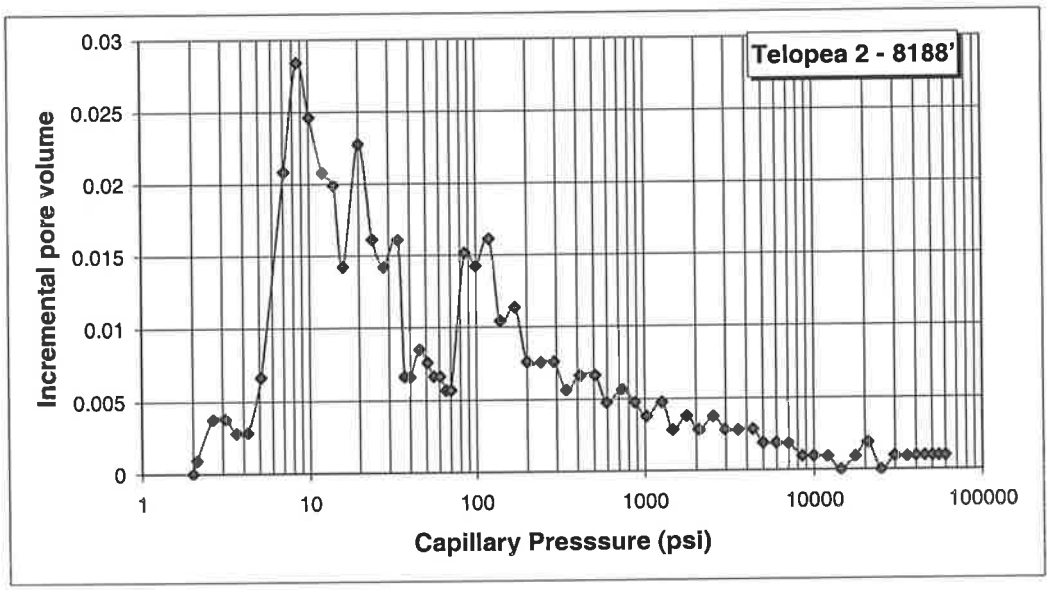
Sample weight	9.475
Pen Weight	61.586
Assembly weigh	231.564
Hg Surface Tens	485
Pen Volume	15.9059
Stem Volume	1.131
Hg Density	13.5335
Hg volume	11.85968153
Sample volume	4.046218469
Bulk density	2.341692638
Skeletal volume	3.599946
Skeletal density	2.631983947
Porosity	11.02937232
% Intrusion	39.45822281

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Pore volume
2	904318	0	0	0.000000	45.2159	0	0
2.11	880513	0.0001	0.0009475	0.000948	44.02565	0.212314	0.212314
2.64	770425	0.0004	0.00379	0.004738	38.52125	1.061571	0.849257
3.13	630815	0.0004	0.00379	0.008528	31.54075	1.910828	0.849257
3.63	537988	0.0003	0.0028425	0.011370	26.8994	2.547771	0.636943
4.23	463195	0.0003	0.0028425	0.014213	23.15975	3.184713	0.636943
5.1	391321	0.0007	0.0066325	0.020845	19.56605	4.670913	1.4862
7.11	304593	0.0022	0.020845	0.041690	15.22965	9.341826	4.670913
8.57	232694	0.003	0.028425	0.070115	11.6347	15.71125	6.369427
10.1	195044	0.0026	0.024635	0.094750	9.7522	21.23142	5.52017
12.06	164587	0.0022	0.020845	0.115595	8.22935	25.90234	4.670913
14.07	139266	0.0021	0.0198975	0.135493	6.9633	30.36093	4.458599
16.04	120616	0.0015	0.0142125	0.149705	6.0308	33.54565	3.184713
20.03	101512	0.0024	0.02274	0.172445	5.0756	38.64119	5.095541
24	82823	0.0017	0.0161075	0.188553	4.14115	42.25053	3.609342
28.01	69955	0.0015	0.0142125	0.202765	3.49775	45.43524	3.184713
33.99	58884	0.0017	0.0161075	0.218873	2.9442	49.04459	3.609342
36.97	51068	0.0007	0.0066325	0.225505	2.5534	50.53079	1.4862
39.98	47083	0.0007	0.0066325	0.232138	2.35415	52.01699	1.4862
45.4	42539	0.0009	0.0085275	0.240665	2.12695	53.92781	1.910828
50.76	37735	0.0008	0.00758	0.248245	1.88675	55.62633	1.698514
55.64	34070	0.0007	0.0066325	0.254878	1.7035	57.11253	1.4862
60.58	31181	0.0007	0.0066325	0.261510	1.55905	58.59873	1.4862
65.79	28673	0.0006	0.005685	0.267195	1.43365	59.87261	1.273885
70.34	26602	0.0006	0.005685	0.272880	1.3301	61.1465	1.273885
85.52	23431	0.0016	0.01516	0.288040	1.17155	64.54352	3.397028
99.62	19652	0.0015	0.0142125	0.302253	0.9826	67.72824	3.184713
120.17	16603	0.0017	0.0161075	0.318360	0.83015	71.33758	3.609342
139.95	13987	0.0011	0.0104225	0.328783	0.69935	73.67304	2.335456
169.54	11795	0.0012	0.01137	0.340153	0.58975	76.22081	2.547771
200.5	9844	0.0008	0.00758	0.347733	0.4922	77.91932	1.698514
240.01	8278	0.0008	0.00758	0.355313	0.4139	79.61783	1.698514
290.54	6880	0.0008	0.00758	0.362893	0.344	81.31635	1.698514
340.81	5766	0.0006	0.005685	0.368578	0.2883	82.59023	1.273885
414.86	4833	0.0007	0.0066325	0.375210	0.24165	84.07643	1.4862
507.52	3962	0.0007	0.0066325	0.381843	0.1981	85.56263	1.4862
593.46	3306	0.0005	0.0047375	0.386580	0.1653	86.6242	1.061571
727.3	2767	0.0006	0.005685	0.392265	0.13835	87.89809	1.273885
874.16	2278	0.0005	0.0047375	0.397003	0.1139	88.95966	1.061571

1023.41	1918	0.0004	0.00379	0.400793	0.0959	89.80892	0.849257
1268.4	1597	0.0005	0.0047375	0.405530	0.07985	90.87049	1.061571
1458.06	1333	0.0003	0.0028425	0.408373	0.06665	91.50743	0.636943
1762.05	1133	0.0004	0.00379	0.412163	0.05665	92.35669	0.849257
2072.57	950	0.0003	0.0028425	0.415005	0.0475	92.99363	0.636943
2515.6	796	0.0004	0.00379	0.418795	0.0398	93.84289	0.849257
2958.64	665	0.0003	0.0028425	0.421638	0.03325	94.47983	0.636943
3520.49	563	0.0003	0.0028425	0.424480	0.02815	95.11677	0.636943
4339.93	465	0.0003	0.0028425	0.427323	0.02325	95.75372	0.636943
5000.66	389	0.0002	0.001895	0.429218	0.01945	96.17834	0.424628
5975.32	332	0.0002	0.001895	0.431113	0.0166	96.60297	0.424628
6974.46	281	0.0002	0.001895	0.433008	0.01405	97.0276	0.424628
8525.54	236	0.0001	0.0009475	0.433955	0.0118	97.23992	0.212314
9970.49	197	0.0001	0.0009475	0.434903	0.00985	97.45223	0.212314
11974.12	166	0.0001	0.0009475	0.435850	0.0083	97.66454	0.212314
14439.88	138	0	0	0.435850	0.0069	97.66454	0
17408.58	115	0.0001	0.0009475	0.436798	0.00575	97.87686	0.212314
20751.04	96	0.0002	0.001895	0.438693	0.0048	98.30149	0.424628
24914.11	80	0	0	0.438693	0.004	98.30149	0
29884.32	67	0.0001	0.0009475	0.439640	0.00335	98.5138	0.212314
34945.04	56	0.0001	0.0009475	0.440588	0.0028	98.72611	0.212314
40017.12	48	0.0001	0.0009475	0.441535	0.0024	98.93843	0.212314
44985.2	43	0.0001	0.0009475	0.442483	0.00215	99.15074	0.212314
50031.38	38	0.0001	0.0009475	0.443430	0.0019	99.36306	0.212314
54877.01	35	0.0001	0.0009475	0.444378	0.00175	99.57537	0.212314
59808.18	32	0.0001	0.0009475	0.445325	0.0016	99.78769	0.212314
54806	32	0.0001	0.0009475	0.446273	0.0016	100	0.212314
49918.12	35	0	0	0.446273	0.00175	100	0
45110.46	38	0	0	0.446273	0.0019	100	0
39754.42	43	0	0	0.446273	0.00215	100	0
35123.16	48	0	0	0.446273	0.0024	100	0
29908.39	56	0	0	0.446273	0.0028	100	0
20056.34	75	-0.0001	-0.0009475	0.445325	0.00375	99.78769	0.212314
17956.53	95	0	0	0.445325	0.00475	99.78769	0
15031.83	111	-0.0001	-0.0009475	0.444378	0.00555	99.57537	0.212314
12560.75	132	-0.0001	-0.0009475	0.443430	0.0066	99.36306	0.212314
10001.64	162	-0.0001	-0.0009475	0.442483	0.0081	99.15074	0.212314
8533.27	196	-0.0003	-0.0028425	0.439640	0.0098	98.5138	0.636943
7418.06	228	-0.0001	-0.0009475	0.438693	0.0114	98.30149	0.212314
6220.86	267	-0.0001	-0.0009475	0.437745	0.01335	98.08917	0.212314
5093.93	323	-0.0001	-0.0009475	0.436798	0.01615	97.87686	0.212314
4197.58	393	-0.0001	-0.0009475	0.435850	0.01965	97.66454	0.212314
3553.58	470	-0.0001	-0.0009475	0.434903	0.0235	97.45223	0.212314
2949.78	561	-0.0001	-0.0009475	0.433955	0.02805	97.23992	0.212314
2456.3	675	-0.0001	-0.0009475	0.433008	0.03375	97.0276	0.212314
2030.72	813	-0.0002	-0.001895	0.431113	0.04065	96.60297	0.424628
1584.38	1016	-0.0003	-0.0028425	0.428270	0.0508	95.96603	0.636943
1230.79	1306	-0.0003	-0.0028425	0.425428	0.0653	95.32909	0.636943
975.39	1662	-0.0003	-0.0028425	0.422585	0.0831	94.69214	0.636943
764.57	2110	-0.0004	-0.00379	0.418795	0.1055	93.84289	0.849257
590.21	2715	-0.0004	-0.00379	0.415005	0.13575	92.99363	0.849257
449.82	3543	-0.0005	-0.0047375	0.410268	0.17715	91.93206	1.061571
372.68	4437	-0.0005	-0.0047375	0.405530	0.22185	90.87049	1.061571
290.92	5535	-0.0006	-0.005685	0.399845	0.27675	89.5966	1.273885
228.17	7072	-0.0007	-0.0066325	0.393213	0.3536	88.1104	1.4862
178.12	9040	-0.0006	-0.005685	0.387528	0.452	86.83652	1.273885
139.14	11576	-0.0008	-0.00758	0.379948	0.5788	85.138	1.698514
108.8	14811	-0.0009	-0.0085275	0.371420	0.74055	83.22718	1.910828
84.94	18958	-0.001	-0.009475	0.361945	0.9479	81.10403	2.123142
66.18	24312	-0.0011	-0.0104225	0.351523	1.2156	78.76858	2.335456
51.35	31277	-0.0013	-0.0123175	0.339205	1.56385	76.00849	2.760085
39.57	40467	-0.0016	-0.01516	0.324045	2.02335	72.61146	3.397028
30.8	52216	-0.0014	-0.013265	0.310780	2.6108	69.63907	2.972399
24.34	66518	-0.0013	-0.0123175	0.298463	3.3259	66.87898	2.760085
19.12	84454	-0.0014	-0.013265	0.285198	4.2227	63.90658	2.972399
14.82	108309	-0.0013	-0.0123175	0.272880	5.41545	61.1465	2.760085


Telopea 2 - 8188'
100000
10000
1000
100
10
1
Capillary pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Telopea 2 - 8188'
Pore Throat Size Distribution
Relative Pore Volume
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat size (microns)


Telopea 2 - 8188'
Incremental pore volume
0.03
0.025
0.02
0.015
0.01
0.005
0
1
10
100
1000
10000
100000
Capillary Presssure (psi)

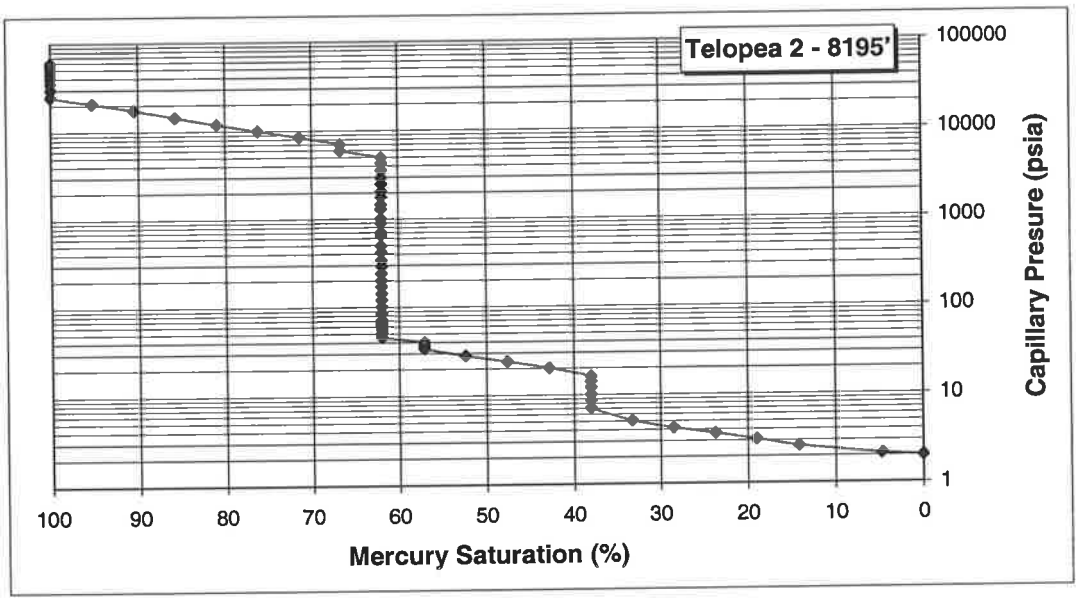
Sample **Telopea 2 - 8195'**

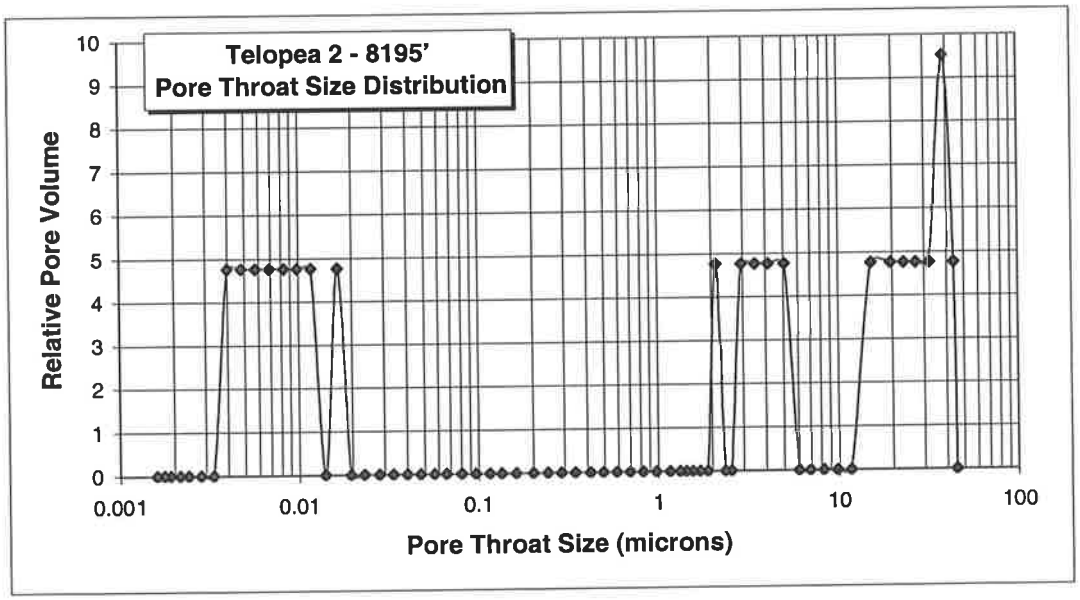
Date

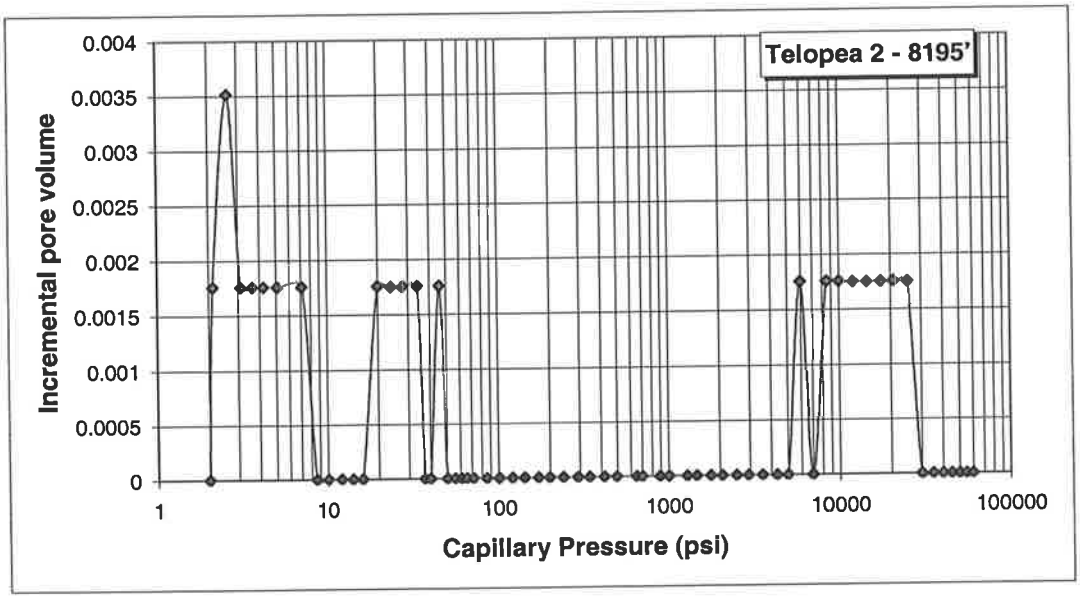
Sample weight	17.582
Pen Weight	62.926
Assembly weight	194.33
Hg Surface Tension	485
Pen Volume	15.1193
Stem Volume	0.392
Hg Density	13.5335
Hg volume	8.410389
Sample volume	6.708911
Bulk density	2.620694
Skeletal volume	6.671989
Skeletal density	2.635196
Porosity	0.550346
% Intrusion	9.418929

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Pore volume
2	904318	0	0	0.000000	45.2159	0	0
2.12	878385	0.0001	0.0017582	0.001758	43.91925	4.761905	4.761905
2.61	772416	0.0002	0.0035164	0.005275	38.6208	14.28571	9.52381
3.1	637659	0.0001	0.0017582	0.007033	31.88295	19.04762	4.761905
3.63	540267	0.0001	0.0017582	0.008791	27.01335	23.80952	4.761905
4.22	463198	0.0001	0.0017582	0.010549	23.1599	28.57143	4.761905
5.1	391859	0.0001	0.0017582	0.012307	19.59295	33.33333	4.761905
7.1	304794	0.0001	0.0017582	0.014066	15.2397	38.09524	4.761905
8.59	232670	0	0	0.014066	11.6335	38.09524	0
10.06	195191	0	0	0.014066	9.75955	38.09524	0
12.07	164778	0	0	0.014066	8.2389	38.09524	0
14.08	139174	0	0	0.014066	6.9587	38.09524	0
16.06	120542	0	0	0.014066	6.0271	38.09524	0
20.02	101466	0.0001	0.0017582	0.015824	5.0733	42.85714	4.761905
24.01	82842	0.0001	0.0017582	0.017582	4.1421	47.61905	4.761905
27.98	69991	0.0001	0.0017582	0.019340	3.49955	52.38095	4.761905
33.96	58949	0.0001	0.0017582	0.021098	2.94745	57.14286	4.761905
36.97	51087	0	0	0.021098	2.55435	57.14286	0
39.97	47087	0	0	0.021098	2.35435	57.14286	0
45.78	42383	0.0001	0.0017582	0.022857	2.11915	61.90476	4.761905
50.39	37702	0	0	0.022857	1.8851	61.90476	0
56	34096	0	0	0.022857	1.7048	61.90476	0
61.05	30961	0	0	0.022857	1.54805	61.90476	0
65.5	28617	0	0	0.022857	1.43085	61.90476	0
71.57	26440	0	0	0.022857	1.322	61.90476	0
85.41	23223	0	0	0.022857	1.16115	61.90476	0
101.06	19536	0	0	0.022857	0.9768	61.90476	0
120.22	16470	0	0	0.022857	0.8235	61.90476	0
141.54	13911	0	0	0.022857	0.69555	61.90476	0
170.78	11684	0	0	0.022857	0.5842	61.90476	0
199.24	9834	0	0	0.022857	0.4917	61.90476	0
239.65	8312	0	0	0.022857	0.4156	61.90476	0
292.13	6869	0	0	0.022857	0.34345	61.90476	0
340.35	5753	0	0	0.022857	0.28765	61.90476	0
416.97	4826	0	0	0.022857	0.2413	61.90476	0
493.99	3999	0	0	0.022857	0.19995	61.90476	0
649.39	3223	0	0	0.022857	0.16115	61.90476	0
698.18	2688	0	0	0.022857	0.1344	61.90476	0
888.95	2313	0	0	0.022857	0.11565	61.90476	0
1000.85	1921	0	0	0.022857	0.09605	61.90476	0
1284.03	1608	0	0	0.022857	0.0804	61.90476	0

1453.74	1326	0	0	0.022857	0.0663	61.90476	0
1767.61	1134	0	0	0.022857	0.0567	61.90476	0
2060.71	950	0	0	0.022857	0.0475	61.90476	0
2505.39	800	0	0	0.022857	0.04	61.90476	0
2937.45	669	0	0	0.022857	0.03345	61.90476	0
3552.58	562	0	0	0.022857	0.0281	61.90476	0
4306.27	465	0	0	0.022857	0.02325	61.90476	0
4986.9	391	0	0	0.022857	0.01955	61.90476	0
5971.48	333	0.0001	0.0017582	0.024615	0.01665	66.66667	4.761905
6965.65	281	0	0	0.024615	0.01405	66.66667	0
8486.19	236	0.0001	0.0017582	0.026373	0.0118	71.42857	4.761905
9990.05	197	0.0001	0.0017582	0.028131	0.00985	76.19048	4.761905
11953.9	166	0.0001	0.0017582	0.029889	0.0083	80.95238	4.761905
14428.15	138	0.0001	0.0017582	0.031648	0.0069	85.71429	4.761905
17415.64	115	0.0001	0.0017582	0.033406	0.00575	90.47619	4.761905
20742.46	96	0.0001	0.0017582	0.035164	0.0048	95.2381	4.761905
24909.41	80	0.0001	0.0017582	0.036922	0.004	100	4.761905
30011.99	66	0	0	0.036922	0.0033	100	0
34967.64	56	0	0	0.036922	0.0028	100	0
40020.9	48	0	0	0.036922	0.0024	100	0
44976.56	43	0	0	0.036922	0.00215	100	0
50085.91	38	0	0	0.036922	0.0019	100	0
54847.07	35	0	0	0.036922	0.00175	100	0
59909.21	32	0	0	0.036922	0.0016	100	0
54565.21	32	0	0	0.036922	0.0016	100	0
49413.23	35	0	0	0.036922	0.00175	100	0
44741.5	39	0	0	0.036922	0.00195	100	0
39826.28	43	0	0	0.036922	0.00215	100	0
34748.5	49	0	0	0.036922	0.00245	100	0
29903.92	56	0	0	0.036922	0.0028	100	0
19815.49	76	0	0	0.036922	0.0038	100	0
17974.43	96	0	0	0.036922	0.0048	100	0
15016.38	111	0	0	0.036922	0.00555	100	0
12470.77	133	0	0	0.036922	0.00665	100	0
10031.65	163	0	0	0.036922	0.00815	100	0
8533.12	196	0	0	0.036922	0.0098	100	0
7399.46	228	0	0	0.036922	0.0114	100	0
6206.89	268	0	0	0.036922	0.0134	100	0
5115.47	322	0	0	0.036922	0.0161	100	0
4234.61	390	0	0	0.036922	0.0195	100	0
3609.54	464	0	0	0.036922	0.0232	100	0
2972.32	555	0	0	0.036922	0.02775	100	0
2468.16	671	0	0	0.036922	0.03355	100	0
2094.71	798	0	0	0.036922	0.0399	100	0
1586.81	1002	0	0	0.036922	0.0501	100	0
1240.18	1299	0	0	0.036922	0.06495	100	0
997.11	1636	0	0	0.036922	0.0818	100	0
746.66	2118	0	0	0.036922	0.1059	100	0
574.41	2785	0	0	0.036922	0.13925	100	0
466.29	3514	0	0	0.036922	0.1757	100	0
370.85	4378	0	0	0.036922	0.2189	100	0
291.42	5542	0	0	0.036922	0.2771	100	0
227.64	7076	-0.0001	-0.0017582	0.035164	0.3538	95.2381	4.761905
177.98	9054	0	0	0.035164	0.4527	95.2381	0
139.13	11581	0	0	0.035164	0.57905	95.2381	0
108.28	14851	0	0	0.035164	0.74255	95.2381	0
84.34	19074	0	0	0.035164	0.9537	95.2381	0
65.95	24436	0	0	0.035164	1.2218	95.2381	0
51.27	31352	0	0	0.035164	1.5676	95.2381	0
39.26	40671	0	0	0.035164	2.03355	95.2381	0
31.21	52010	0	0	0.035164	2.6005	95.2381	0
23.79	66982	0	0	0.035164	3.3491	95.2381	0
19.02	85556	0	0	0.035164	4.2778	95.2381	0
14.6	109507	0	0	0.035164	5.47535	95.2381	0


Telopea 2 - 8195'
100000
10000
1000
100
10
1
Capillary Presure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Telopea 2 - 8195'
Pore Throat Size Distribution
Relative Pore Volume
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Telopea 2 - 8195'
Incremental pore volume
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

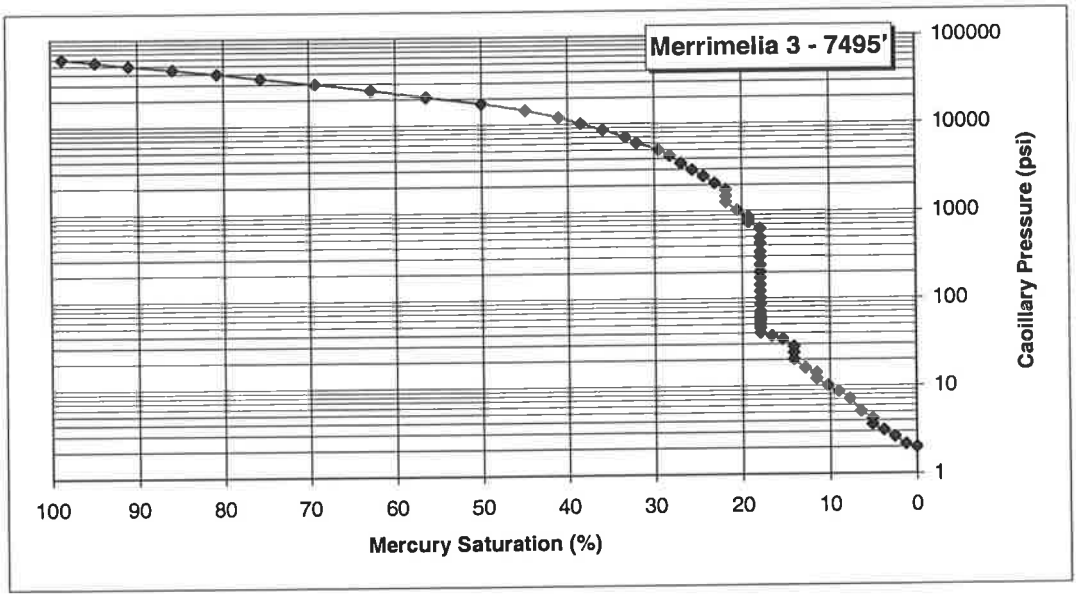
Sample **Merrimelia 3 - 7495'**

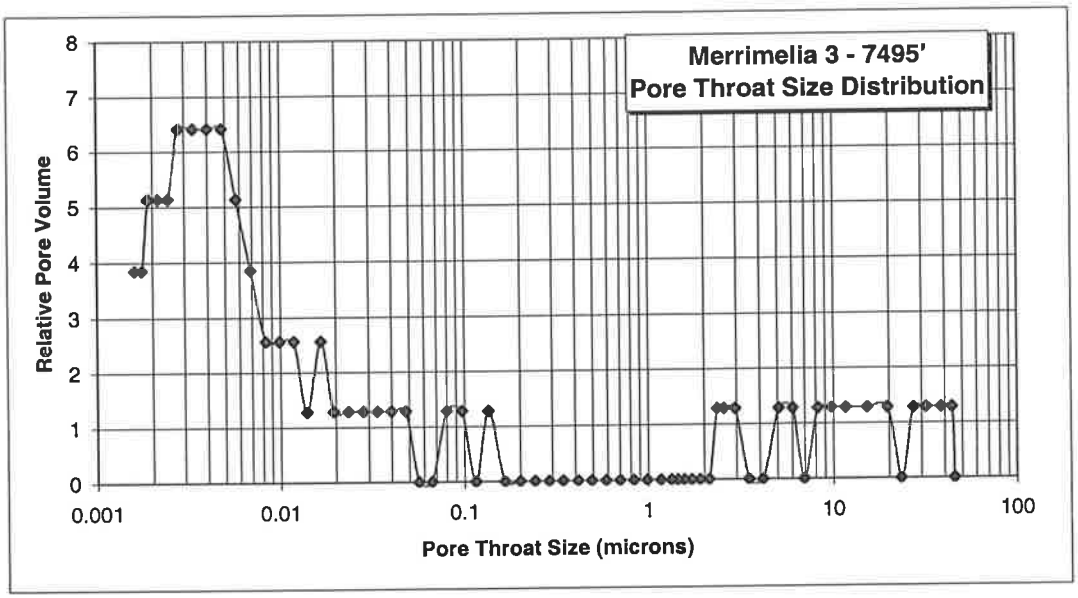
Date

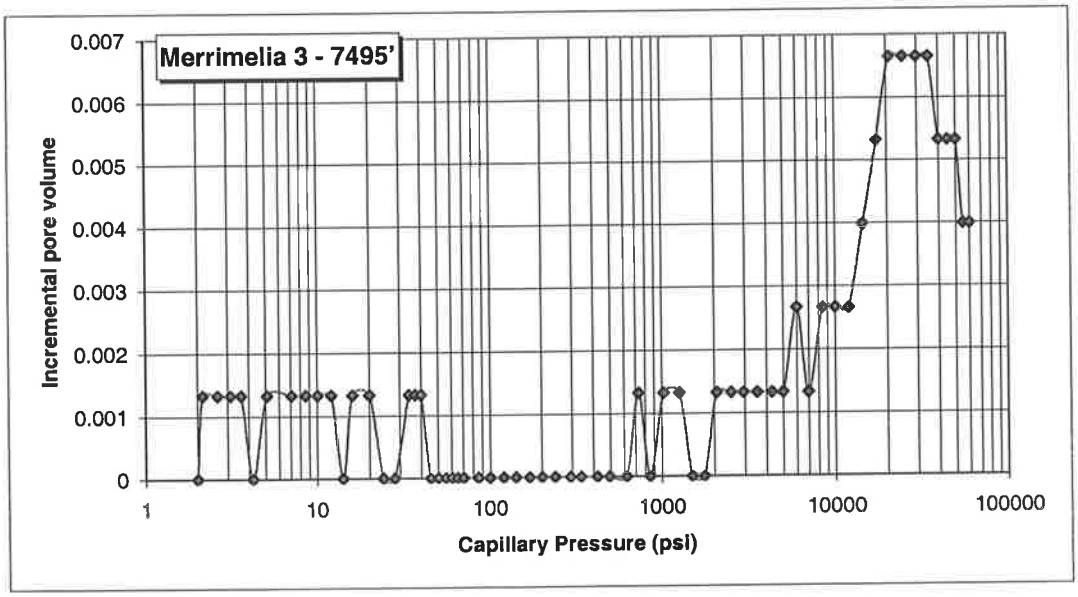
Sample weight	13.306
Pen Weight	63.142
Assembly weight	212.028
Hg Surface Tension	485
Pen Volume	15.1193
Stem Volume	0.392
Hg Density	13.5335
Hg volume	10.018103
Sample volume	5.1011968
Bulk density	2.6084075
Skeletal volume	4.997410
Skeletal density	2.6625792
Porosity	2.0345579
% Intrusion	26.476224

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume (mL/g)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative Pore Volume
2	904318	0	0	0.000000	45.2159	0	0
2.14	875152	0.0001	0.0013306	0.001331	43.7576	1.282051	1.282051
2.63	766952	0.0001	0.0013306	0.002661	38.3476	2.564103	1.282051
3.12	633852	0.0001	0.0013306	0.003992	31.6926	3.846154	1.282051
3.61	540514	0.0001	0.0013306	0.005322	27.0257	5.128205	1.282051
4.22	464901	0	0	0.005322	23.24505	5.128205	0
5.11	391253	0.0001	0.0013306	0.006653	19.56265	6.410256	1.282051
7.1	304320	0.0001	0.0013306	0.007984	15.216	7.692308	1.282051
8.58	232790	0.0001	0.0013306	0.009314	11.6395	8.974359	1.282051
10.09	195063	0.0001	0.0013306	0.010645	9.75315	10.25641	1.282051
12.08	164490	0.0001	0.0013306	0.011975	8.2245	11.53846	1.282051
14.08	139102	0	0	0.011975	6.9551	11.53846	0
16.04	120594	0.0001	0.0013306	0.013306	6.0297	12.82051	1.282051
20.03	101521	0.0001	0.0013306	0.014637	5.07605	14.10256	1.282051
24.01	82824	0	0	0.014637	4.1412	14.10256	0
28	69959	0	0	0.014637	3.49795	14.10256	0
33.97	58912	0.0001	0.0013306	0.015967	2.9456	15.38462	1.282051
36.98	51072	0.0001	0.0013306	0.017298	2.5536	16.66667	1.282051
39.97	47078	0.0001	0.0013306	0.018628	2.3539	17.94872	1.282051
45.22	42621	0	0	0.018628	2.13105	17.94872	0
50.22	38004	0	0	0.018628	1.9002	17.94872	0
55.64	34258	0	0	0.018628	1.7129	17.94872	0
60.53	31193	0	0	0.018628	1.55965	17.94872	0
65.26	28799	0	0	0.018628	1.43995	17.94872	0
70.49	26686	0	0	0.018628	1.3343	17.94872	0
85.59	23394	0	0	0.018628	1.1697	17.94872	0
99.72	19635	0	0	0.018628	0.98175	17.94872	0
119.52	16635	0	0	0.018628	0.83175	17.94872	0
140.6	13998	0	0	0.018628	0.6999	17.94872	0
169.39	11771	0	0	0.018628	0.58855	17.94872	0
200.63	9846	0	0	0.018628	0.4923	17.94872	0
239	8291	0	0	0.018628	0.41455	17.94872	0
293.2	6868	0	0	0.018628	0.3434	17.94872	0
338.42	5756	0	0	0.018628	0.2878	17.94872	0
419.88	4826	0	0	0.018628	0.2413	17.94872	0
493.24	3987	0	0	0.018628	0.19935	17.94872	0
621.87	3288	0	0	0.018628	0.1644	17.94872	0
732.46	2689	0.0001	0.0013306	0.019959	0.13445	19.23077	1.282051
853.38	2294	0	0	0.019959	0.1147	19.23077	0

1026.34	1941	0.0001	0.0013306	0.021290	0.09705	20.51282	1.282051
1261.72	1598	0.0001	0.0013306	0.022620	0.0799	21.79487	1.282051
1489.4	1324	0	0	0.022620	0.0662	21.79487	0
1745.77	1125	0	0	0.022620	0.05625	21.79487	0
2071.55	955	0.0001	0.0013306	0.023951	0.04775	23.07692	1.282051
2500.69	798	0.0001	0.0013306	0.025281	0.0399	24.35897	1.282051
2948.96	668	0.0001	0.0013306	0.026612	0.0334	25.64103	1.282051
3528.26	563	0.0001	0.0013306	0.027943	0.02815	26.92308	1.282051
4298.42	467	0.0001	0.0013306	0.029273	0.02335	28.20513	1.282051
5004.44	391	0.0001	0.0013306	0.030604	0.01955	29.48718	1.282051
5993.63	332	0.0002	0.0026612	0.033265	0.0166	32.05128	2.564103
6988.5	280	0.0001	0.0013306	0.034596	0.014	33.33333	1.282051
8463.59	236	0.0002	0.0026612	0.037257	0.0118	35.89744	2.564103
9986.95	197	0.0002	0.0026612	0.039918	0.00985	38.46154	2.564103
11941.92	166	0.0002	0.0026612	0.042579	0.0083	41.02564	2.564103
14428.92	138	0.0003	0.0039918	0.046571	0.0069	44.87179	3.846154
17370.59	115	0.0004	0.0053224	0.051893	0.00575	50	5.128205
20759.83	96	0.0005	0.006653	0.058546	0.0048	56.41026	6.410256
24899.39	80	0.0005	0.006653	0.065199	0.004	62.82051	6.410256
29851.78	67	0.0005	0.006653	0.071852	0.00335	69.23077	6.410256
34935.13	56	0.0005	0.006653	0.078505	0.0028	75.64103	6.410256
39981.94	49	0.0004	0.0053224	0.083828	0.00245	80.76923	5.128205
44881.81	43	0.0004	0.0053224	0.089150	0.00215	85.89744	5.128205
49941.77	38	0.0004	0.0053224	0.094473	0.0019	91.02564	5.128205
54993.57	35	0.0003	0.0039918	0.098464	0.00175	94.87179	3.846154
59894.88	32	0.0003	0.0039918	0.102456	0.0016	98.71795	3.846154
54698.16	32	0.0001	0.0013306	0.103787	0.0016	100	1.282051
49824.11	35	-0.0001	-0.0013306	0.102456	0.00175	98.71795	1.282051
45035.97	38	0	0	0.102456	0.0019	98.71795	0
39818	43	-0.0001	-0.0013306	0.101126	0.00215	97.4359	1.282051
34692.68	49	-0.0001	-0.0013306	0.099795	0.00245	96.15385	1.282051
29778.2	56	-0.0001	-0.0013306	0.098464	0.0028	94.87179	1.282051
19822.57	76	-0.0004	-0.0053224	0.093142	0.0038	89.74359	5.128205
17964.12	96	-0.0001	-0.0013306	0.091811	0.0048	88.46154	1.282051
15021.36	111	-0.0002	-0.0026612	0.089150	0.00555	85.89744	2.564103
12544.63	132	-0.0002	-0.0026612	0.086489	0.0066	83.33333	2.564103
10015.02	162	-0.0001	-0.0013306	0.085158	0.0081	82.05128	1.282051
8540.63	196	-0.0001	-0.0013306	0.083828	0.0098	80.76923	1.282051
7411.95	228	-0.0001	-0.0013306	0.082497	0.0114	79.48718	1.282051
6219.39	267	-0.0001	-0.0013306	0.081167	0.01335	78.20513	1.282051
5113.43	322	-0.0001	-0.0013306	0.079836	0.0161	76.92308	1.282051
4241.94	390	-0.0001	-0.0013306	0.078505	0.0195	75.64103	1.282051
3606.77	464	-0.0001	-0.0013306	0.077175	0.0232	74.35897	1.282051
2979.61	554	-0.0001	-0.0013306	0.075844	0.0277	73.07692	1.282051
2433.46	675	-0.0001	-0.0013306	0.074514	0.03375	71.79487	1.282051
2085.95	805	0	0	0.074514	0.04025	71.79487	0
1588.67	1003	-0.0001	-0.0013306	0.073183	0.05015	70.51282	1.282051
1231.77	1303	-0.0001	-0.0013306	0.071852	0.06515	69.23077	1.282051
955.09	1681	-0.0001	-0.0013306	0.070522	0.08405	67.94872	1.282051
747.18	2157	0	0	0.070522	0.10785	67.94872	0
609.73	2693	0	0	0.070522	0.13465	67.94872	0
445.38	3514	0	0	0.070522	0.1757	67.94872	0
373.61	4451	-0.0001	-0.0013306	0.069191	0.22255	66.66667	1.282051
284.14	5603	0	0	0.069191	0.28015	66.66667	0
228.29	7144	0	0	0.069191	0.3572	66.66667	0
178.26	9034	0	0	0.069191	0.4517	66.66667	0
138.78	11589	-0.0001	-0.0013306	0.067861	0.57945	65.38462	1.282051
108.25	14870	0	0	0.067861	0.7435	65.38462	0
84.59	19044	0	0	0.067861	0.9522	65.38462	0
66.18	24355	0	0	0.067861	1.21775	65.38462	0
51.25	31311	0	0	0.067861	1.56555	65.38462	0
40.3	40085	0	0	0.067861	2.00425	65.38462	0
31.4	51240	-0.0001	-0.0013306	0.066530	2.562	64.10256	1.282051
24.55	65641	-0.0002	-0.0026612	0.063869	3.28205	61.53846	2.564103
19.07	84262	-0.0002	-0.0026612	0.061208	4.2131	58.97436	2.564103
14.54	109615	-0.0002	-0.0026612	0.058546	5.48075	56.41026	2.564103


Merrimelia 3 - 7495'
100000
10000
1000
100
10
1
Caoillary Pressure (psi)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 3 - 7495'
Pore Throat Size Distribution
Relative Pore Volume
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)

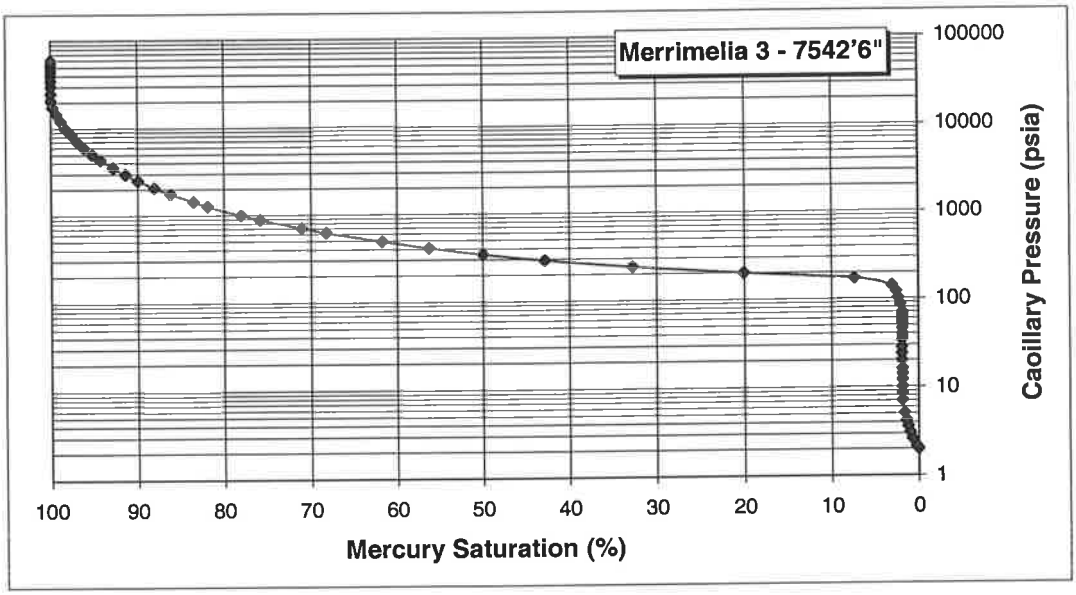

Merrimelia 3 - 7495'
Incremental pore volume
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

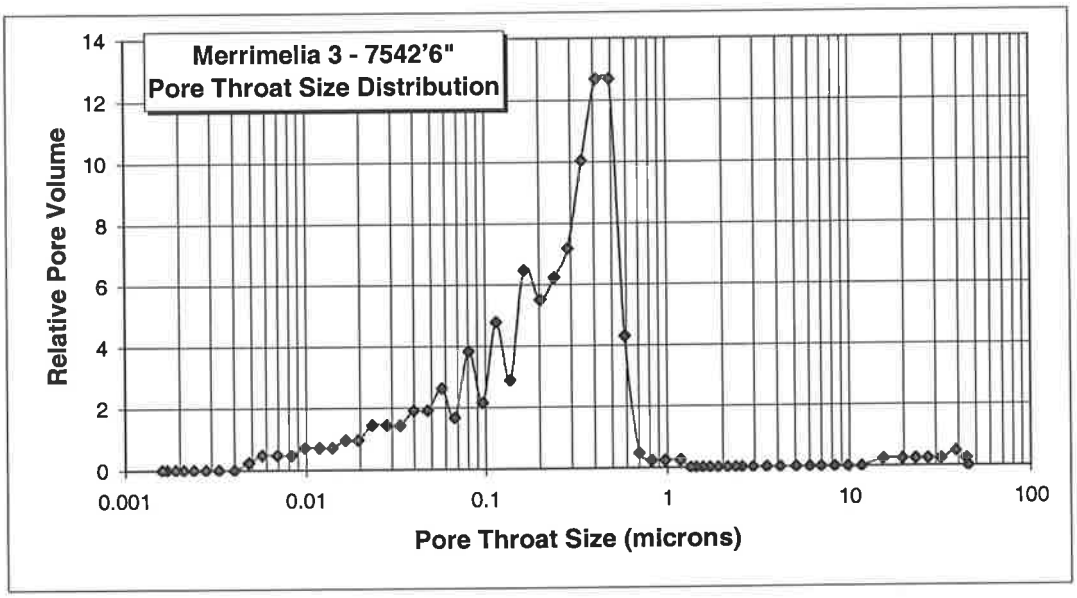
Sample **Merimelia 3 - 7542'6**

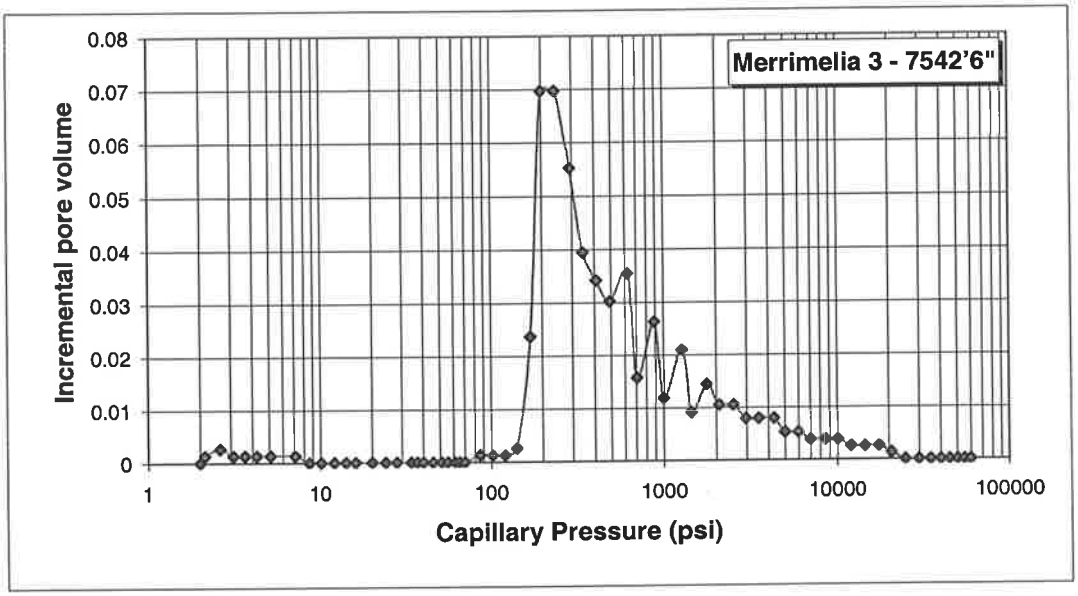
Date	February 3, 2000
Sample Weight	13.1480
Pen. Weight:	61.3820
Assembly Weight:	216.3840
Hg Surface Tension:	485.0000
Pen. Volume:	15.9059
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	10.4817
Sample volume	5.4242
Bulk density	2.4239
Skeletal volume	4.8746
Skeletal density	**2.6972**
Porosity	**10.1321**
% Intrusion	48.5930

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.13	0.0013148	0.0013148	43.8794	0.24	50.516	0.24
2.61	0.0026296	0.0039444	38.5745	0.72	41.226	0.48
3.1	0.0013148	0.0052592	31.8982	0.96	34.710	0.24
3.62	0.0013148	0.006574	27.0841	1.20	29.724	0.24
4.22	0.0013148	0.0078888	23.2089	1.44	25.498	0.24
5.09	0.0013148	0.0092036	19.6094	1.67	21.139	0.24
7.09	0.0013148	0.0105184	15.2675	1.91	15.176	0.24
8.57	0	0.0105184	11.6546	1.91	12.555	0.00
10.07	0	0.0105184	9.7685	1.91	10.685	0.00
12.06	0	0.0105184	8.2409	1.91	8.922	0.00
14.06	0	0.0105184	6.9652	1.91	7.653	0.00
16.04	0	0.0105184	6.0349	1.91	6.708	0.00
20.03	0	0.0105184	5.0759	1.91	5.372	0.00
24.02	0	0.0105184	4.14	1.91	4.480	0.00
28	0	0.0105184	3.4975	1.91	3.843	0.00
33.98	0	0.0105184	2.9452	1.91	3.167	0.00
36.97	0	0.0105184	2.5536	1.91	2.910	0.00
39.95	0	0.0105184	2.3548	1.91	2.693	0.00
45.49	0	0.0105184	2.1258	1.91	2.365	0.00
51.1	0	0.0105184	1.879	1.91	2.106	0.00
55.62	0	0.0105184	1.6979	1.91	1.935	0.00
61.02	0	0.0105184	1.554	1.91	1.763	0.00
65.33	0	0.0105184	1.4332	1.91	1.647	0.00
69.93	0	0.0105184	1.3388	1.91	1.539	0.00
85.76	0.0013148	0.0118332	1.1739	2.15	1.255	0.24
101.46	0.0013148	0.013148	0.9729	2.39	1.061	0.24
120.03	0.0013148	0.0144628	0.8223	2.63	0.896	0.24
140.74	0.0026296	0.0170924	0.698	3.11	0.765	0.48
170.57	0.0236664	0.0407588	0.5864	7.42	0.631	4.31
199.16	0.0696844	0.1104432	0.4921	20.10	0.540	12.68
239.31	0.0696844	0.1801276	0.416	32.78	0.450	12.68
290.5	0.0552216	0.2353492	0.3446	42.82	0.370	10.05
343.44	0.039444	0.2747932	0.2873	50.00	0.313	7.18
410.16	0.0341848	0.308978	0.2419	56.22	0.262	6.22
491.1	0.0302404	0.3392184	0.2023	61.72	0.219	5.50
621.41	0.0354996	0.374718	0.1648	68.18	0.173	6.46
705.19	0.0157776	0.3904956	0.1369	71.05	0.153	2.87

886.96	0.026296	0.4167916	0.1151	75.84	0.121	4.78
996.81	0.0118332	0.4286248	0.0963	77.99	0.108	2.15
1270.67	0.0210368	0.4496616	0.0809	81.82	0.085	3.83
1433.61	0.0092036	0.4588652	0.0671	83.49	0.075	1.67
1757.48	0.0144628	0.473328	0.0573	86.12	0.061	2.63
2076.16	0.0105184	0.4838464	0.0475	88.04	0.052	1.91
2505.7	0.0105184	0.4943648	0.0398	89.95	0.043	1.91
2967.07	0.0078888	0.5022536	0.0333	91.39	0.036	1.44
3522.25	0.0078888	0.5101424	0.0281	92.82	0.031	1.44
4314.23	0.0078888	0.5180312	0.0233	94.26	0.025	1.44
4994.4	0.0052592	0.5232904	0.0195	95.22	0.022	0.96
5980.04	0.0052592	0.5285496	0.0166	96.17	0.018	0.96
6968.53	0.0039444	0.532494	0.014	96.89	0.015	0.72
8522.43	0.0039444	0.5364384	0.0118	97.61	0.013	0.72
9987.96	0.0039444	0.5403828	0.0098	98.33	0.011	0.72
11946.85	0.0026296	0.5430124	0.0083	98.80	0.009	0.48
14439.21	0.0026296	0.545642	0.0069	99.28	0.007	0.48
17382.36	0.0026296	0.5482716	0.0057	99.76	0.006	0.48
20706	0.0013148	0.5495864	0.0048	100.00	0.005	0.24
24887.52	0	0.5495864	0.004	100.00	0.004	0.00
29902.81	0	0.5495864	0.0033	100.00	0.004	0.00
34895.73	0	0.5495864	0.0028	100.00	0.003	0.00
40027.8	0	0.5495864	0.0024	100.00	0.003	0.00
44973.53	0	0.5495864	0.0021	100.00	0.002	0.00
50111.63	0	0.5495864	0.0019	100.00	0.002	0.00
54913.61	0	0.5495864	0.0017	100.00	0.002	0.00
59756.05	0	0.5495864	0.0016	100.00	0.002	0.00
54873.48	0	0.5495864	0.0016	100.00	0.002	0.00
50151.36	0	0.5495864	0.0017	100.00	0.002	0.00
44873.39	0	0.5495864	0.0019	100.00	0.002	0.00
39662.16	0	0.5495864	0.0021	100.00	0.003	0.00
35022.75	0	0.5495864	0.0024	100.00	0.004	0.00
29913.39	0	0.5495864	0.0028	100.00	0.005	0.00
20047.14	0	0.5495864	0.0038	100.00	0.007	0.00
18011.92	0	0.5495864	0.0048	100.00	0.008	0.00
14981.8	0	0.5495864	0.0055	100.00	0.009	0.00
12489.78	-0.0013148	0.5482716	0.0066	99.76	0.011	0.24
9990.67	0	0.5482716	0.0081	99.76	0.014	0.00
8512.36	-0.0013148	0.5469568	0.0098	99.52	0.017	0.24
7405.31	0	0.5469568	0.0114	99.52	0.019	0.00
6206.33	-0.0013148	0.545642	0.0134	99.28	0.023	0.24
5124.49	-0.0013148	0.5443272	0.0161	99.04	0.027	0.24
4232.42	-0.0026296	0.5416976	0.0195	98.56	0.033	0.48
3600.56	-0.0026296	0.539068	0.0232	98.09	0.039	0.48
2952.2	-0.0026296	0.5364384	0.0279	97.61	0.048	0.48
2456.94	-0.0026296	0.5338088	0.0337	97.13	0.057	0.48
2061.43	-0.0026296	0.5311792	0.0403	96.65	0.068	0.48
1603.52	-0.0052592	0.52592	0.0501	95.69	0.088	0.96
1285.48	-0.0039444	0.5219756	0.0634	94.98	0.109	0.72
967.52	-0.0078888	0.5140868	0.0819	93.54	0.145	1.44
777.11	-0.006574	0.5075128	0.1049	92.34	0.181	1.20
601.44	-0.0078888	0.499624	0.1334	90.91	0.234	1.44
455.15	-0.0105184	0.4891056	0.1745	89.00	0.309	1.91
373.43	-0.0144628	0.4746428	0.2204	86.36	0.376	2.63
290.73	-0.0105184	0.4641244	0.2766	84.45	0.483	1.91
227.71	-0.0223516	0.4417728	0.3541	80.38	0.617	4.07
177.52	-0.0118332	0.4299396	0.4533	78.23	0.791	2.15
138.95	-0.0170924	0.4128472	0.5801	75.12	1.011	3.11
108.45	-0.0170924	0.3957548	0.7423	72.01	1.295	3.11
84.95	-0.0184072	0.3773476	0.9492	68.66	1.653	3.35
65.91	-0.0157776	0.36157	1.2183	65.79	2.131	2.87
51.77	-0.0170924	0.3444776	1.5594	62.68	2.713	3.11
40.36	-0.0184072	0.3260704	1.9937	59.33	3.480	3.35


Merrimelia 3 - 7542'6"
100000
10000
1000
100
10
1
Caoillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 3 - 7542'6"
Pore Throat Size Distribution
14
12
10
8
6
4
2
0
Relative Pore Volume
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 3 - 7542'6"
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Incremental pore volume
1
10
100
1000
10000
100000
Capillary Pressure (psi)

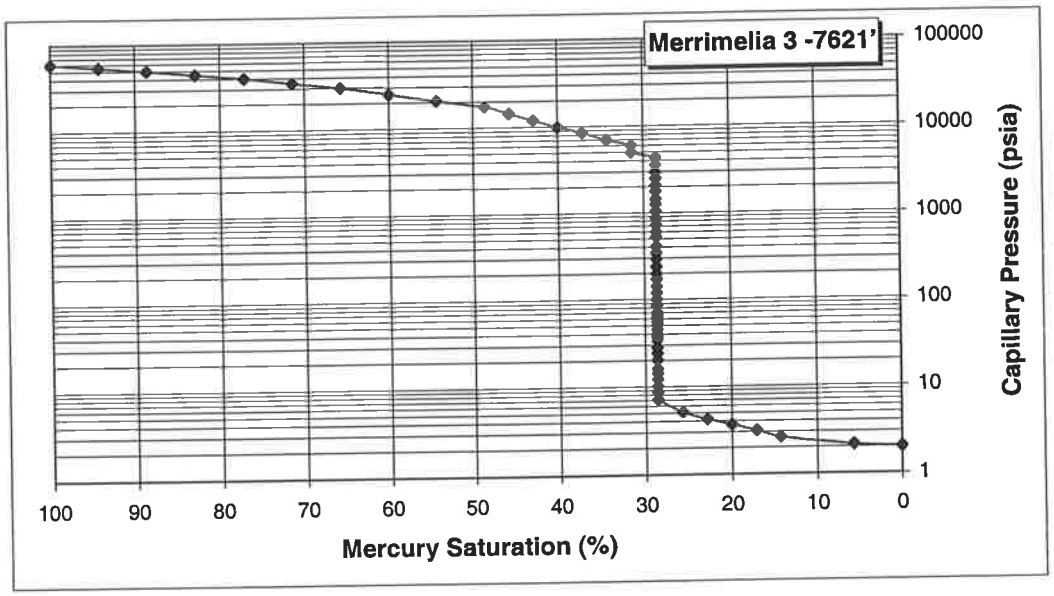
Sample **Merrimelia 3 - 7621'**

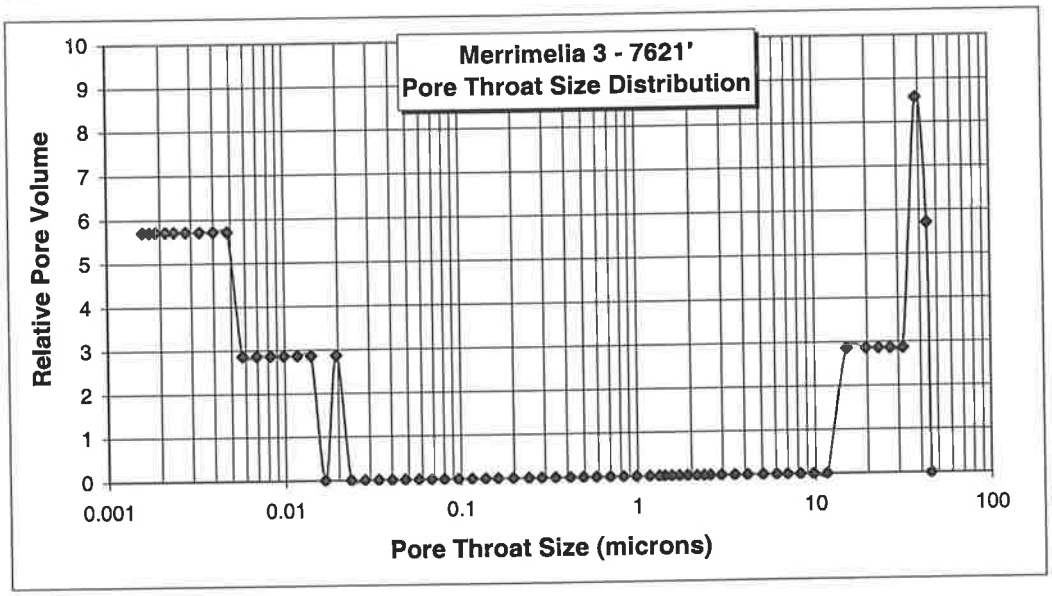
Date

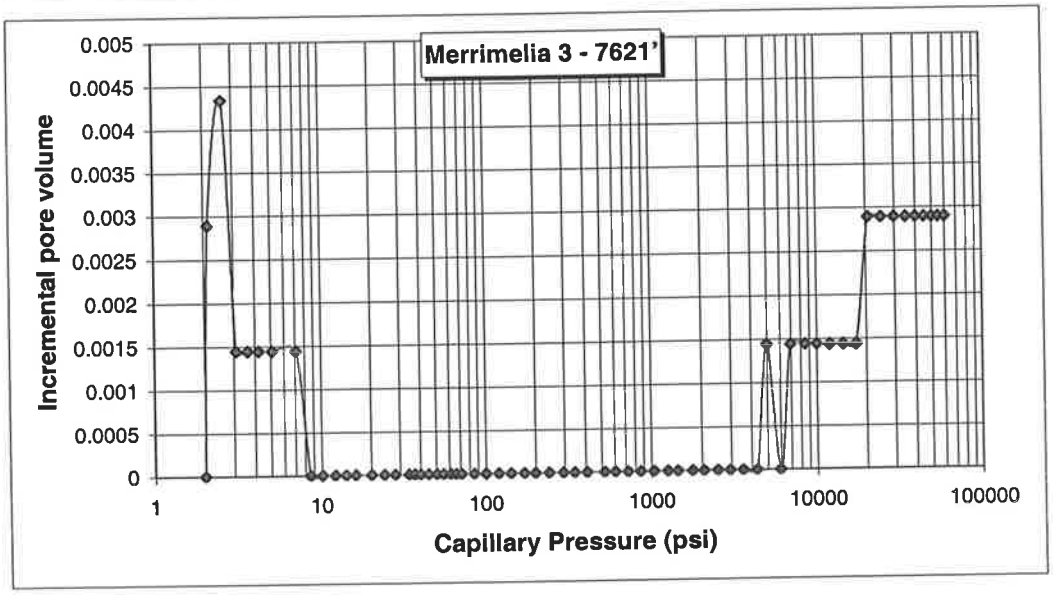
Sample weight	14.465
Pen Weight	63.58
Assembly weight	210.51
Hg Surface Tensi	485
Pen Volume	15.2653
Stem Volume	0.392
Hg Density	13.5335
Hg volume	9.787934
Sample volume	5.477366
Bulk density	2.640868
Skeletal volume	5.426739
Skeletal density	2.665505
Porosity	0.924304
% Intrusion	12.91518

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume (mL/g)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative Pore Volume
2	904318	0	0	0.000000	45.2159	0	0
2.12	878776	0.0002	0.002893	0.002893	43.9388	5.714286	5.714286
2.61	773152	0.0003	0.0043395	0.007233	38.6576	14.28571	8.571429
3.1	638140	0.0001	0.0014465	0.008679	31.907	17.14286	2.857143
3.63	540582	0.0001	0.0014465	0.010126	27.0291	20	2.857143
4.21	463562	0.0001	0.0014465	0.011572	23.1781	22.85714	2.857143
5.09	392325	0.0001	0.0014465	0.013019	19.61625	25.71429	2.857143
7.09	305210	0.0001	0.0014465	0.014465	15.2605	28.57143	2.857143
8.6	232647	0	0	0.014465	11.63235	28.57143	0
10.08	194934	0	0	0.014465	9.7467	28.57143	0
12.08	164649	0	0	0.014465	8.23245	28.57143	0
14.04	139313	0	0	0.014465	6.96565	28.57143	0
16.05	120755	0	0	0.014465	6.03775	28.57143	0
20.04	101454	0	0	0.014465	5.0727	28.57143	0
24.01	82786	0	0	0.014465	4.1393	28.57143	0
28	69961	0	0	0.014465	3.49805	28.57143	0
33.99	58900	0	0	0.014465	2.945	28.57143	0
36.97	51067	0	0	0.014465	2.55335	28.57143	0
39.98	47083	0	0	0.014465	2.35415	28.57143	0
44.83	42793	0	0	0.014465	2.13965	28.57143	0
50.37	38128	0	0	0.014465	1.9064	28.57143	0
55.54	34238	0	0	0.014465	1.7119	28.57143	0
61.16	31071	0	0	0.014465	1.55355	28.57143	0
66.18	28452	0	0	0.014465	1.4226	28.57143	0
70.94	26413	0	0	0.014465	1.32065	28.57143	0
85.11	23374	0	0	0.014465	1.1687	28.57143	0
100.23	19648	0	0	0.014465	0.9824	28.57143	0
119.52	16589	0	0	0.014465	0.82945	28.57143	0
141.91	13939	0	0	0.014465	0.69695	28.57143	0
170.53	11676	0	0	0.014465	0.5838	28.57143	0
199.25	9841	0	0	0.014465	0.49205	28.57143	0
240.09	8305	0	0	0.014465	0.41525	28.57143	0
292.96	6853	0	0	0.014465	0.34265	28.57143	0
344.26	5714	0	0	0.014465	0.2857	28.57143	0
408.22	4842	0	0	0.014465	0.2421	28.57143	0
521.15	3951	0	0	0.014465	0.19755	28.57143	0
603.31	3234	0	0	0.014465	0.1617	28.57143	0
722.35	2751	0	0	0.014465	0.13755	28.57143	0
861.06	2302	0	0	0.014465	0.1151	28.57143	0
1030.4	1928	0	0	0.014465	0.0964	28.57143	0
1251.48	1600	0	0	0.014465	0.08	28.57143	0

1434.93	1353	0	0	0.014465	0.06765	28.57143	0
1754.3	1146	0	0	0.014465	0.0573	28.57143	0
2058.72	955	0	0	0.014465	0.04775	28.57143	0
2484.12	803	0	0	0.014465	0.04015	28.57143	0
2951.18	670	0	0	0.014465	0.0335	28.57143	0
3533.8	562	0	0	0.014465	0.0281	28.57143	0
4293.7	467	0	0	0.014465	0.02335	28.57143	0
4986.46	392	0.0001	0.0014465	0.015912	0.0196	31.42857	2.857143
5977.43	333	0	0	0.015912	0.01665	31.42857	0
6970.18	281	0.0001	0.0014465	0.017358	0.01405	34.28571	2.857143
8487.88	236	0.0001	0.0014465	0.018805	0.0118	37.14286	2.857143
9970.44	197	0.0001	0.0014465	0.020251	0.00985	40	2.857143
11964.81	166	0.0001	0.0014465	0.021698	0.0083	42.85714	2.857143
14436.22	138	0.0001	0.0014465	0.023144	0.0069	45.71429	2.857143
17356.63	115	0.0001	0.0014465	0.024591	0.00575	48.57143	2.857143
20723.54	96	0.0002	0.002893	0.027484	0.0048	54.28571	5.714286
24908.93	80	0.0002	0.002893	0.030377	0.004	60	5.714286
29870.22	67	0.0002	0.002893	0.033270	0.00335	65.71429	5.714286
34899.31	56	0.0002	0.002893	0.036163	0.0028	71.42857	5.714286
40049.44	48	0.0002	0.002893	0.039056	0.0024	77.14286	5.714286
44893.62	43	0.0002	0.002893	0.041949	0.00215	82.85714	5.714286
50056.89	38	0.0002	0.002893	0.044842	0.0019	88.57143	5.714286
54892.56	35	0.0002	0.002893	0.047735	0.00175	94.28571	5.714286
59956.45	32	0.0002	0.002893	0.050628	0.0016	100	5.714286
54377.11	32	0	0	0.050628	0.0016	100	0
49491	35	0	0	0.050628	0.00175	100	0
45005.25	38	0	0	0.050628	0.0019	100	0
39759.24	43	-0.0001	-0.0014465	0.049181	0.00215	97.14286	2.857143
34905.79	49	-0.0001	-0.0014465	0.047735	0.00245	94.28571	2.857143
30087.13	56	-0.0001	-0.0014465	0.046288	0.0028	91.42857	2.857143
20056.58	75	-0.0002	-0.002893	0.043395	0.00375	85.71429	5.714286
17958.55	95	-0.0001	-0.0014465	0.041949	0.00475	82.85714	2.857143
15013.64	111	-0.0001	-0.0014465	0.040502	0.00555	80	2.857143
12531.22	132	-0.0001	-0.0014465	0.039056	0.0066	77.14286	2.857143
10046.32	162	-0.0001	-0.0014465	0.037609	0.0081	74.28571	2.857143
8537.5	196	-0.0001	-0.0014465	0.036163	0.0098	71.42857	2.857143
7422.65	228	-0.0001	-0.0014465	0.034716	0.0114	68.57143	2.857143
6218.37	267	-0.0001	-0.0014465	0.033270	0.01335	65.71429	2.857143
5119.15	322	-0.0001	-0.0014465	0.031823	0.0161	62.85714	2.857143
4252.15	389	0	0	0.031823	0.01945	62.85714	0
3575.05	466	-0.0001	-0.0014465	0.030377	0.0233	60	2.857143
2972.24	557	0	0	0.030377	0.02785	60	0
2458.21	672	0	0	0.030377	0.0336	60	0
2096.29	799	0	0	0.030377	0.03995	60	0
1600.29	996	0	0	0.030377	0.0498	60	0
1242.28	1293	0	0	0.030377	0.06465	60	0
965.86	1664	0	0	0.030377	0.0832	60	0
775.45	2102	0	0	0.030377	0.1051	60	0
575.86	2737	0	0	0.030377	0.13685	60	0
450.85	3576	0	0	0.030377	0.1788	60	0
370.42	4447	0	0	0.030377	0.22235	60	0
286.43	5598	0	0	0.030377	0.2799	60	0
227.79	7127	0	0	0.030377	0.35635	60	0
178.26	9043	0	0	0.030377	0.45215	60	0
139.05	11577	0	0	0.030377	0.57885	60	0
108.44	14843	0	0	0.030377	0.74215	60	0
84.81	19002	0	0	0.030377	0.9501	60	0
66.19	24325	0	0	0.030377	1.21625	60	0
51.01	31391	0	0	0.030377	1.56955	60	0
40.43	40093	0	0	0.030377	2.00465	60	0
30.33	52181	0	0	0.030377	2.60905	60	0
24.16	67241	0	0	0.030377	3.36205	60	0
19.14	84674	0	0	0.030377	4.2337	60	0
15.05	107346	0	0	0.030377	5.3673	60	0


Merrimelia 3 -7621'
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 3 - 7621'
Pore Throat Size Distribution
Relative Pore Volume
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 3 - 7621'
Incremental pore volume
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

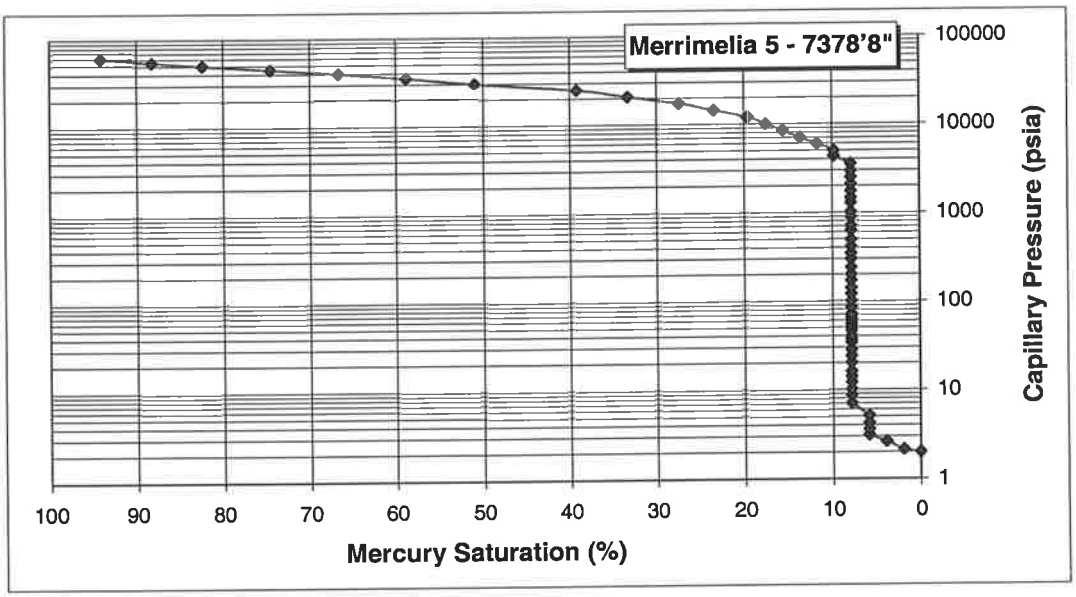
Sample **Merrimelia 5 - 7378'8"**

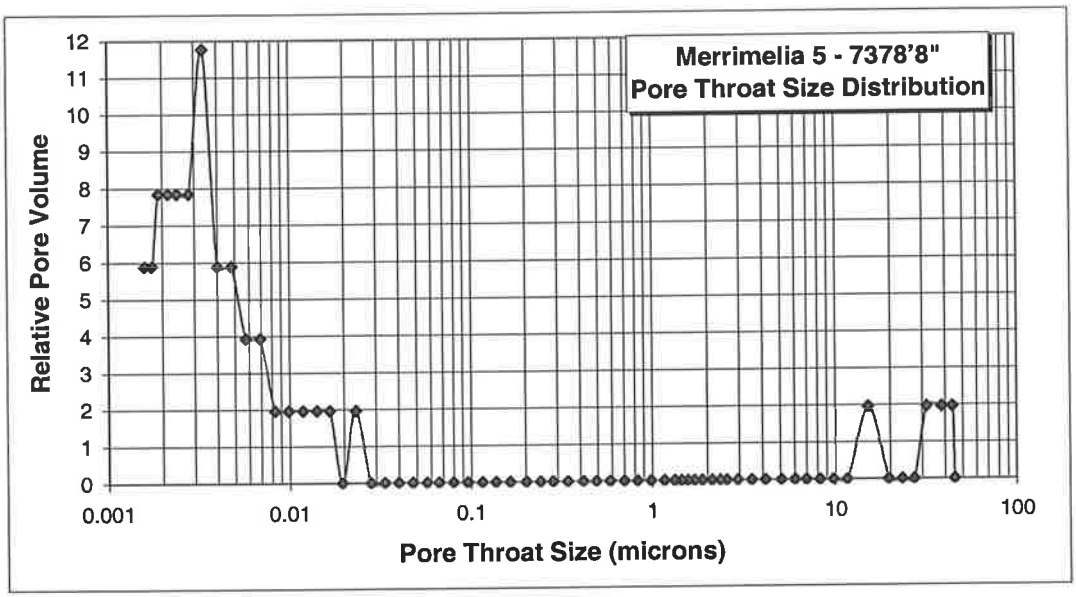
Date

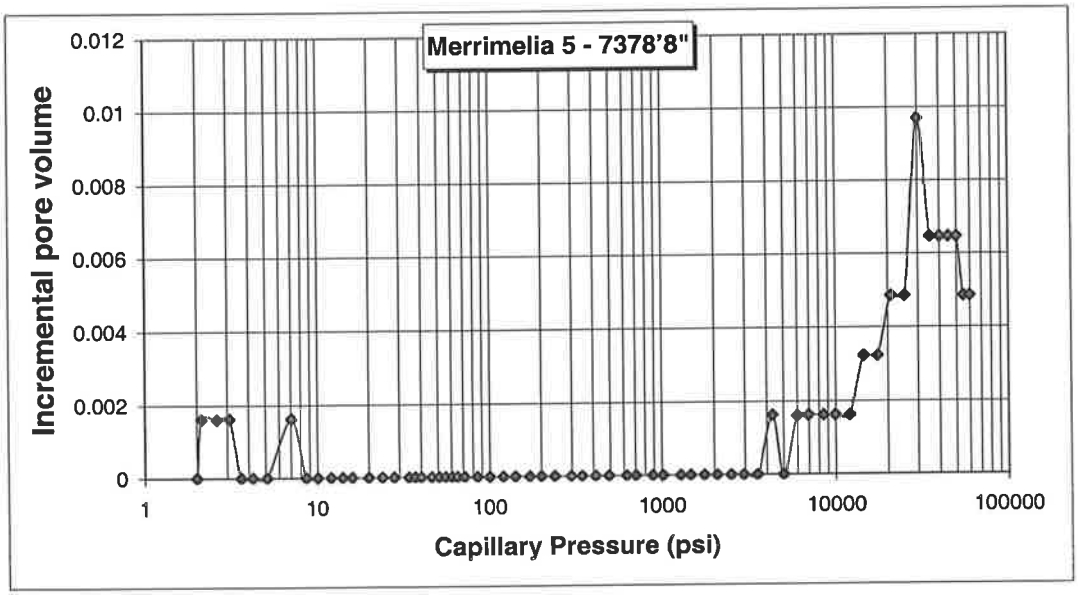
Sample weight	16.167
Pen Weight	62.98
Assembly weight	202.262
Hg Surface Tension	485
Pen Volume	15.1193
Stem Volume	0.392
Hg Density	13.5335
Hg volume	9.097055455
Sample volume	6.022244545
Bulk density	2.684547245
Skeletal volume	5.939793
Skeletal density	2.721812094
Porosity	1.369119095
% Intrusion	21.03359694

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative Pore Volume
2	904318	0	0	0.000000	45.2159	0	0
2.13	876746	0.0001	0.0016167	0.001617	43.8373	1.960784	1.960784
2.62	769974	0.0001	0.0016167	0.003233	38.4987	3.921569	1.960784
3.11	636042	0.0001	0.0016167	0.004850	31.8021	5.882353	1.960784
3.61	541474	0	0	0.004850	27.0737	5.882353	0
4.22	465156	0	0	0.004850	23.2578	5.882353	0
5.11	391291	0	0	0.004850	19.56455	5.882353	0
7.08	304751	0.0001	0.0016167	0.006467	15.23755	7.843137	1.960784
8.58	233202	0	0	0.006467	11.6601	7.843137	0
10.06	195266	0	0	0.006467	9.7633	7.843137	0
12.06	164859	0	0	0.006467	8.24295	7.843137	0
14.05	139361	0	0	0.006467	6.96805	7.843137	0
16.05	120700	0	0	0.006467	6.035	7.843137	0
20.03	101485	0	0	0.006467	5.07425	7.843137	0
24.02	82799	0	0	0.006467	4.13995	7.843137	0
28.01	69931	0	0	0.006467	3.49655	7.843137	0
33.99	58886	0	0	0.006467	2.9443	7.843137	0
36.97	51069	0	0	0.006467	2.55345	7.843137	0
39.98	47080	0	0	0.006467	2.354	7.843137	0
46.07	42247	0	0	0.006467	2.11235	7.843137	0
50.91	37393	0	0	0.006467	1.86965	7.843137	0
55.54	34045	0	0	0.006467	1.70225	7.843137	0
60.48	31235	0	0	0.006467	1.56175	7.843137	0
65.24	28814	0	0	0.006467	1.4407	7.843137	0
71.21	26561	0	0	0.006467	1.32805	7.843137	0
84.85	23358	0	0	0.006467	1.1679	7.843137	0
100.04	19697	0	0	0.006467	0.98485	7.843137	0
119.93	16580	0	0	0.006467	0.829	7.843137	0
140.81	13962	0	0	0.006467	0.6981	7.843137	0
170.68	11721	0	0	0.006467	0.58605	7.843137	0
199.91	9822	0	0	0.006467	0.4911	7.843137	0
239.11	8305	0	0	0.006467	0.41525	7.843137	0
298.18	6815	0	0	0.006467	0.34075	7.843137	0
343.8	5663	0	0	0.006467	0.28315	7.843137	0
411.96	4825	0	0	0.006467	0.24125	7.843137	0
492.72	4031	0	0	0.006467	0.20155	7.843137	0
623.8	3285	0	0	0.006467	0.16425	7.843137	0
703.86	2734	0	0	0.006467	0.1367	7.843137	0
886.7	2305	0	0	0.006467	0.11525	7.843137	0
1014.91	1911	0	0	0.006467	0.09555	7.843137	0
1282.06	1596	0	0	0.006467	0.0798	7.843137	0
1459.83	1325	0	0	0.006467	0.06625	7.843137	0
1749.57	1136	0	0	0.006467	0.0568	7.843137	0

2076.38	952	0	0	0.006467	0.0476	7.843137	0
2504.61	797	0	0	0.006467	0.03985	7.843137	0
2947.51	668	0	0	0.006467	0.0334	7.843137	0
3534.93	563	0	0	0.006467	0.02815	7.843137	0
4325.4	465	0.0001	0.0016167	0.008084	0.02325	9.803922	1.960784
4995.01	390	0	0	0.008084	0.0195	9.803922	0
5972.85	332	0.0001	0.0016167	0.009700	0.0166	11.76471	1.960784
6968.43	281	0.0001	0.0016167	0.011317	0.01405	13.72549	1.960784
8476.9	236	0.0001	0.0016167	0.012934	0.0118	15.68627	1.960784
9968.33	197	0.0001	0.0016167	0.014550	0.00985	17.64706	1.960784
11972.29	166	0.0001	0.0016167	0.016167	0.0083	19.60784	1.960784
14457.88	138	0.0002	0.0032334	0.019400	0.0069	23.52941	3.921569
17371.18	115	0.0002	0.0032334	0.022634	0.00575	27.45098	3.921569
20787.04	96	0.0003	0.0048501	0.027484	0.0048	33.33333	5.882353
24888.29	80	0.0003	0.0048501	0.032334	0.004	39.21569	5.882353
29900.63	67	0.0006	0.0097002	0.042034	0.00335	50.98039	11.76471
34953.1	56	0.0004	0.0064668	0.048501	0.0028	58.82353	7.843137
39990.32	48	0.0004	0.0064668	0.054968	0.0024	66.66667	7.843137
44933.12	43	0.0004	0.0064668	0.061435	0.00215	74.5098	7.843137
49992	38	0.0004	0.0064668	0.067901	0.0019	82.35294	7.843137
54844.67	35	0.0003	0.0048501	0.072752	0.00175	88.23529	5.882353
59768.69	32	0.0003	0.0048501	0.077602	0.0016	94.11765	5.882353
54163.4	32	0.0002	0.0032334	0.080835	0.0016	98.03922	3.921569
49719.87	35	0.0001	0.0016167	0.082452	0.00175	100	1.960784
45103.5	38	0	0	0.082452	0.0019	100	0
39637.77	43	0	0	0.082452	0.00215	100	0
35032.77	49	0	0	0.082452	0.00245	100	0
29895.72	56	0	0	0.082452	0.0028	100	0
19959.58	76	-0.0001	-0.0016167	0.080835	0.0038	98.03922	1.960784
17964.84	96	0	0	0.080835	0.0048	98.03922	0
15065.36	110	-0.0001	-0.0016167	0.079218	0.0055	96.07843	1.960784
12480.36	132	-0.0001	-0.0016167	0.077602	0.0066	94.11765	1.960784
10045.16	162	-0.0001	-0.0016167	0.075985	0.0081	92.15686	1.960784
8534.57	196	-0.0001	-0.0016167	0.074368	0.0098	90.19608	1.960784
7419.37	228	-0.0001	-0.0016167	0.072752	0.0114	88.23529	1.960784
6212.62	267	-0.0001	-0.0016167	0.071135	0.01335	86.27451	1.960784
5109.49	323	-0.0001	-0.0016167	0.069518	0.01615	84.31373	1.960784
4230.24	391	-0.0001	-0.0016167	0.067901	0.01955	82.35294	1.960784
3582.65	466	0	0	0.067901	0.0233	82.35294	0
3004.91	553	-0.0001	-0.0016167	0.066285	0.02765	80.39216	1.960784
2435.51	672	0	0	0.066285	0.0336	80.39216	0
2053.3	812	0	0	0.066285	0.0406	80.39216	0
1600.18	1006	0	0	0.066285	0.0503	80.39216	0
1250.58	1288	0	0	0.066285	0.0644	80.39216	0
994.59	1632	0	0	0.066285	0.0816	80.39216	0
772.24	2080	0	0	0.066285	0.104	80.39216	0
596.55	2687	0	0	0.066285	0.13435	80.39216	0
437.93	3581	0	0	0.066285	0.17905	80.39216	0
368.11	4522	0	0	0.066285	0.2261	80.39216	0
289.03	5585	0	0	0.066285	0.27925	80.39216	0
227.93	7096	0	0	0.066285	0.3548	80.39216	0
177.92	9050	-0.0001	-0.0016167	0.064668	0.4525	78.43137	1.960784
139.27	11576	0	0	0.064668	0.5788	78.43137	0
108.52	14826	0	0	0.064668	0.7413	78.43137	0
84.84	18992	0	0	0.064668	0.9496	78.43137	0
65.64	24436	0	0	0.064668	1.2218	78.43137	0
51.19	31445	0	0	0.064668	1.57225	78.43137	0
40.48	40006	0	0	0.064668	2.0003	78.43137	0
31.41	51128	0	0	0.064668	2.5564	78.43137	0
24.12	66278	0	0	0.064668	3.3139	78.43137	0
19.24	84480	0	0	0.064668	4.224	78.43137	0
14.77	108205	0	0	0.064668	5.41025	78.43137	0


Merrimelia 5 - 7378'8"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 5 - 7378'8"
Pore Throat Size Distribution
Relative Pore Volume
12
11
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 5 - 7378'8"
Incremental pore volume
0.012
0.01
0.008
0.006
0.004
0.002
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

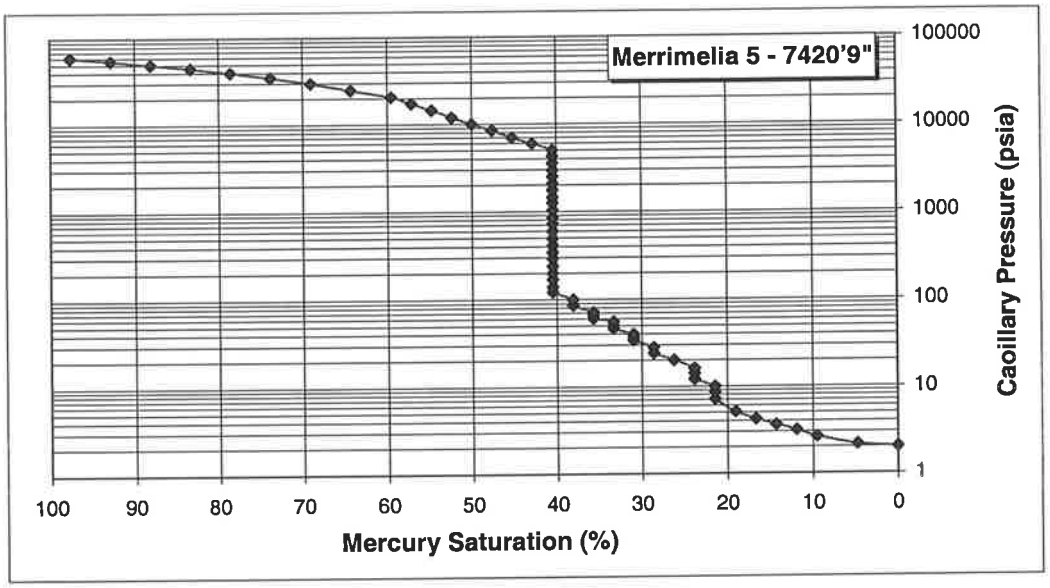
Sample **Merrimelia 5 - 7420'9"**

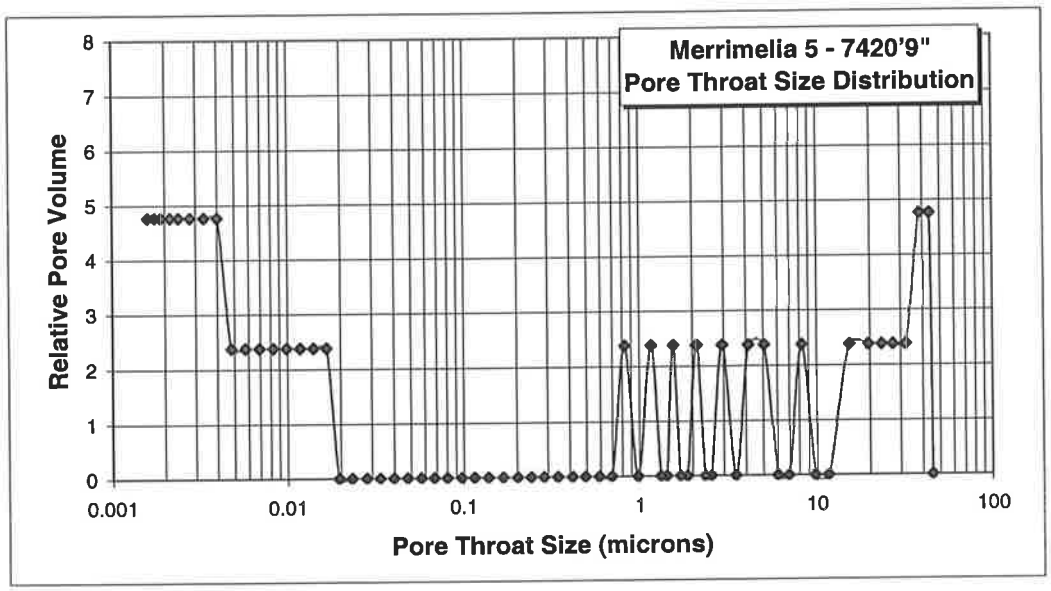
Date

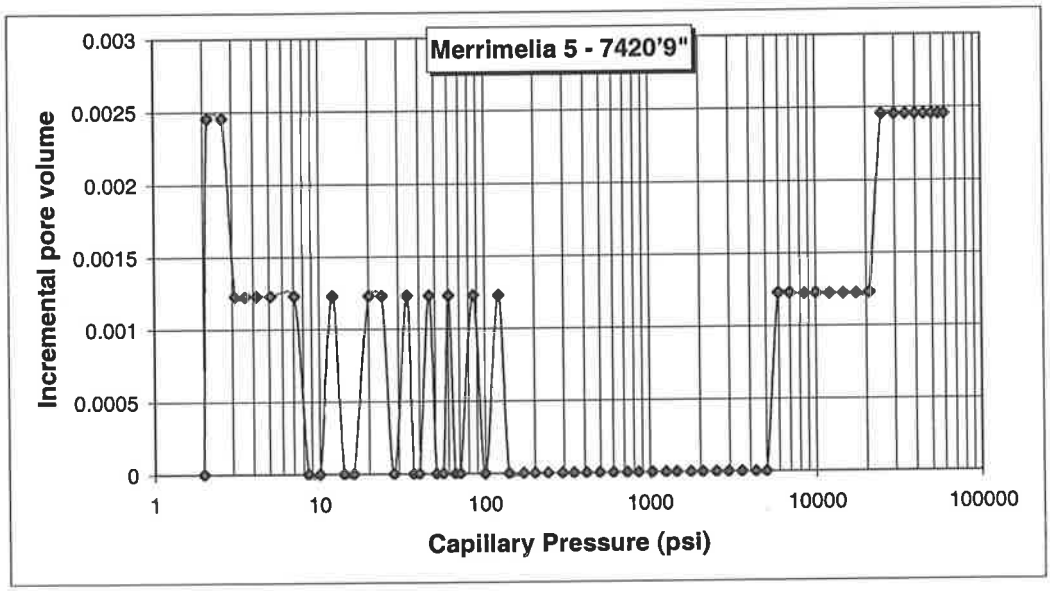
Sample weight	12.287
Pen Weight	62.976
Assembly weight	214.708
Hg Surface Tensi	485
Pen Volume	15.1193
Stem Volume	0.392
Hg Density	13.5335
Hg volume	10.30369
Sample volume	4.815609
Bulk density	2.551494
Skeletal volume	4.764004
Skeletal density	2.579133
Porosity	1.071628
% Intrusion	13.16464

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Pore volume
2	904318	0	0	0.000000	45.2159	0	0
2.14	875232	0.0002	0.0024574	0.002457	43.7616	4.761905	4.761905
2.63	767564	0.0002	0.0024574	0.004915	38.3782	9.52381	4.761905
3.12	634609	0.0001	0.0012287	0.006144	31.73045	11.90476	2.380952
3.61	540616	0.0001	0.0012287	0.007372	27.0308	14.28571	2.380952
4.21	465281	0.0001	0.0012287	0.008601	23.26405	16.66667	2.380952
5.11	391624	0.0001	0.0012287	0.009830	19.5812	19.04762	2.380952
7.1	304282	0.0001	0.0012287	0.011058	15.2141	21.42857	2.380952
8.54	233278	0	0	0.011058	11.6639	21.42857	0
10	196277	0	0	0.011058	9.81385	21.42857	0
12.1	165204	0.0001	0.0012287	0.012287	8.2602	23.80952	2.380952
14.05	139133	0	0	0.012287	6.95665	23.80952	0
16.05	120729	0	0	0.012287	6.03645	23.80952	0
20.04	101492	0.0001	0.0012287	0.013516	5.0746	26.19048	2.380952
24	82807	0.0001	0.0012287	0.014744	4.14035	28.57143	2.380952
27.98	69991	0	0	0.014744	3.49955	28.57143	0
33.97	58939	0.0001	0.0012287	0.015973	2.94695	30.95238	2.380952
36.97	51085	0	0	0.015973	2.55425	30.95238	0
39.95	47098	0	0	0.015973	2.3549	30.95238	0
46.33	42154	0.0001	0.0012287	0.017202	2.1077	33.33333	2.380952
50.54	37410	0	0	0.017202	1.8705	33.33333	0
55.59	34160	0	0	0.017202	1.708	33.33333	0
60.79	31143	0.0001	0.0012287	0.018431	1.55715	35.71429	2.380952
65.8	28618	0	0	0.018431	1.4309	35.71429	0
70.89	26500	0	0	0.018431	1.325	35.71429	0
85.73	23305	0.0001	0.0012287	0.019659	1.16525	38.09524	2.380952
99.59	19629	0	0	0.019659	0.98145	38.09524	0
121.44	16527	0.0001	0.0012287	0.020888	0.82635	40.47619	2.380952
139.45	13932	0	0	0.020888	0.6966	40.47619	0
170.5	11789	0	0	0.020888	0.58945	40.47619	0
199.63	9834	0	0	0.020888	0.4917	40.47619	0
239.95	8299	0	0	0.020888	0.41495	40.47619	0
293.98	6845	0	0	0.020888	0.34225	40.47619	0
344.47	5701	0	0	0.020888	0.28505	40.47619	0
410.65	4827	0	0	0.020888	0.24135	40.47619	0
493.77	4034	0	0	0.020888	0.2017	40.47619	0
599.36	3340	0	0	0.020888	0.167	40.47619	0
728.55	2750	0	0	0.020888	0.1375	40.47619	0
854.04	2300	0	0	0.020888	0.115	40.47619	0
1031.51	1936	0	0	0.020888	0.0968	40.47619	0
1247.47	1602	0	0	0.020888	0.0801	40.47619	0

1443.79	1351	0	0	0.020888	0.06755	40.47619	0
1752.34	1142	0	0	0.020888	0.0571	40.47619	0
2068.43	953	0	0	0.020888	0.04765	40.47619	0
2500.42	799	0	0	0.020888	0.03995	40.47619	0
2957.1	667	0	0	0.020888	0.03335	40.47619	0
3550.96	560	0	0	0.020888	0.028	40.47619	0
4315.12	464	0	0	0.020888	0.0232	40.47619	0
4998.1	391	0	0	0.020888	0.01955	40.47619	0
5982.69	332	0.0001	0.0012287	0.022117	0.0166	42.85714	2.380952
6974.38	281	0.0001	0.0012287	0.023345	0.01405	45.2381	2.380952
8488.89	236	0.0001	0.0012287	0.024574	0.0118	47.61905	2.380952
10006.94	197	0.0001	0.0012287	0.025803	0.00985	50	2.380952
11950.57	166	0.0001	0.0012287	0.027031	0.0083	52.38095	2.380952
14480.91	138	0.0001	0.0012287	0.028260	0.0069	54.7619	2.380952
17363.34	115	0.0001	0.0012287	0.029489	0.00575	57.14286	2.380952
20720.68	96	0.0001	0.0012287	0.030718	0.0048	59.52381	2.380952
24879.47	80	0.0002	0.0024574	0.033175	0.004	64.28571	4.761905
29969.61	67	0.0002	0.0024574	0.035632	0.00335	69.04762	4.761905
34916.02	56	0.0002	0.0024574	0.038090	0.0028	73.80952	4.761905
40065.09	48	0.0002	0.0024574	0.040547	0.0024	78.57143	4.761905
45020.73	43	0.0002	0.0024574	0.043005	0.00215	83.33333	4.761905
49999.43	38	0.0002	0.0024574	0.045462	0.0019	88.09524	4.761905
55062.62	35	0.0002	0.0024574	0.047919	0.00175	92.85714	4.761905
59826.95	32	0.0002	0.0024574	0.050377	0.0016	97.61905	4.761905
54853.14	32	0.0001	0.0012287	0.051605	0.0016	100	2.380952
49911.65	35	0	0	0.051605	0.00175	100	0
44842.39	38	0	0	0.051605	0.0019	100	0
39922.57	43	0	0	0.051605	0.00215	100	0
34938.5	49	0	0	0.051605	0.00245	100	0
30139.01	56	0	0	0.051605	0.0028	100	0
20088.92	75	-0.0001	-0.0012287	0.050377	0.00375	97.61905	2.380952
18026.73	95	0	0	0.050377	0.00475	97.61905	0
15039.93	110	-0.0001	-0.0012287	0.049148	0.0055	95.2381	2.380952
12512.08	132	-0.0001	-0.0012287	0.047919	0.0066	92.85714	2.380952
10042.08	162	-0.0001	-0.0012287	0.046691	0.0081	90.47619	2.380952
8524.38	196	-0.0001	-0.0012287	0.045462	0.0098	88.09524	2.380952
7436.87	228	-0.0001	-0.0012287	0.044233	0.0114	85.71429	2.380952
6218.74	267	-0.0001	-0.0012287	0.043005	0.01335	83.33333	2.380952
5124.85	322	-0.0002	-0.0024574	0.040547	0.0161	78.57143	4.761905
4276.17	388	0	0	0.040547	0.0194	78.57143	0
3568.73	465	0	0	0.040547	0.02325	78.57143	0
2978.21	557	0	0	0.040547	0.02785	78.57143	0
2467.7	670	0	0	0.040547	0.0335	78.57143	0
2075.96	802	0	0	0.040547	0.0401	78.57143	0
1624.22	992	0	0	0.040547	0.0496	78.57143	0
1249.3	1281	0	0	0.040547	0.06405	78.57143	0
979.76	1647	0	0	0.040547	0.08235	78.57143	0
761.87	2110	0	0	0.040547	0.1055	78.57143	0
575.53	2758	0	0	0.040547	0.1379	78.57143	0
474.01	3479	0	0	0.040547	0.17395	78.57143	0
372.7	4334	-0.0001	-0.0012287	0.039318	0.2167	76.19048	2.380952
290.29	5542	0	0	0.039318	0.2771	76.19048	0
228.17	7079	-0.0002	-0.0024574	0.036861	0.35395	71.42857	4.761905
178.06	9042	0	0	0.036861	0.4521	71.42857	0
138.99	11585	-0.0001	-0.0012287	0.035632	0.57925	69.04762	2.380952
108.07	14874	0	0	0.035632	0.7437	69.04762	0
83.98	19135	0	0	0.035632	0.95675	69.04762	0
64.99	24682	-0.0001	-0.0012287	0.034404	1.2341	66.66667	2.380952
51.56	31452	0	0	0.034404	1.5726	66.66667	0
			0	0.034404	0	66.66667	0
			0	0.034404	0	66.66667	0
			0	0.034404	0	66.66667	0
			0	0.034404	0	66.66667	0
			0	0.034404	0	66.66667	0


Merrimelia 5 - 7420'9"
100000
10000
1000
100
10
1
Caoillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 5 - 7420'9"
Pore Throat Size Distribution
Relative Pore Volume
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)

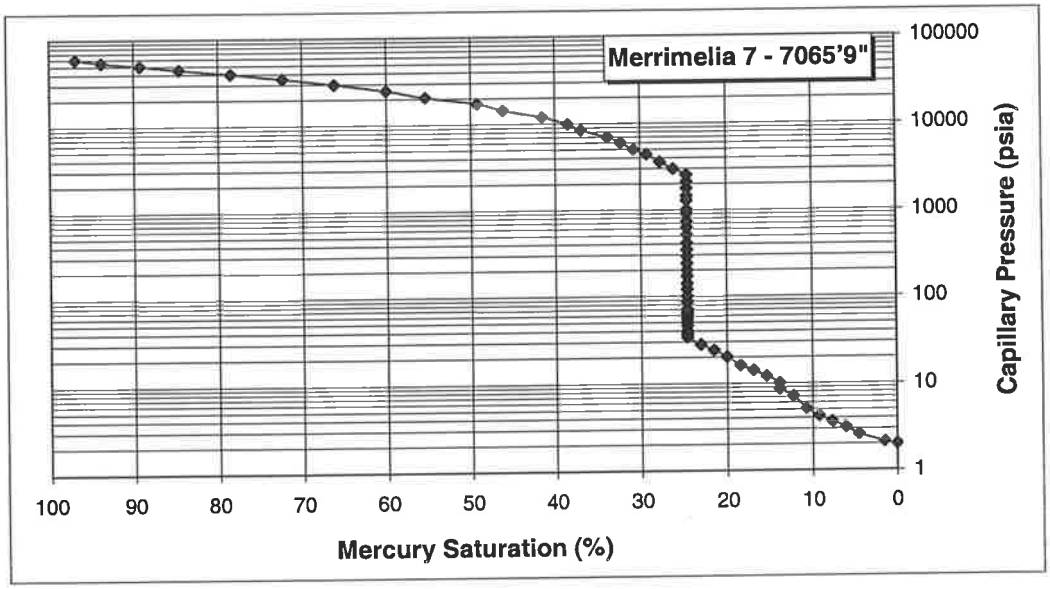

Merrimelia 5 - 7420'9"
Incremental pore volume
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

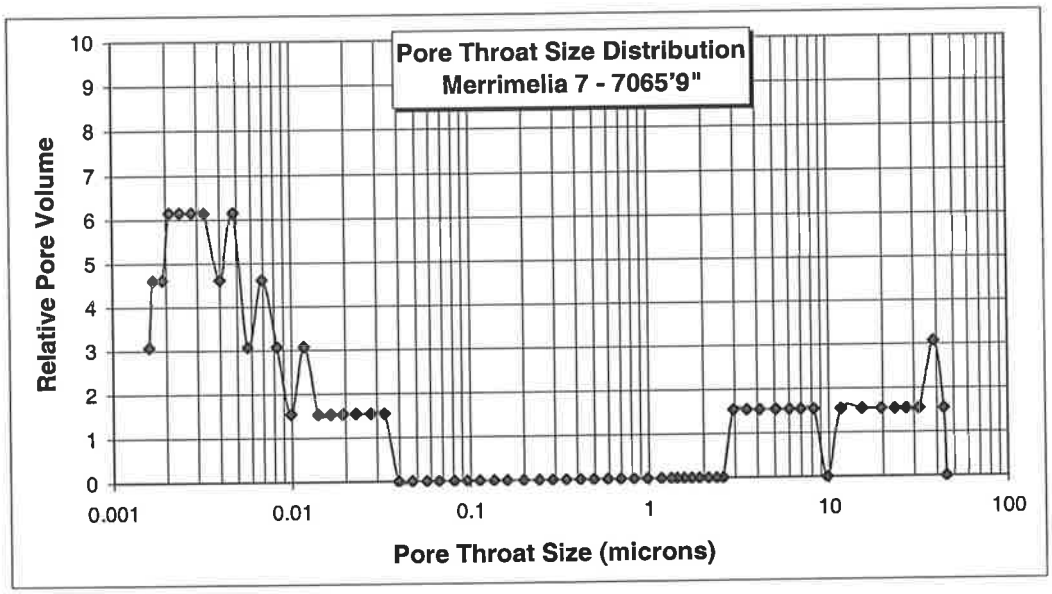
Sample **Merimelia 7 - 7065'9**

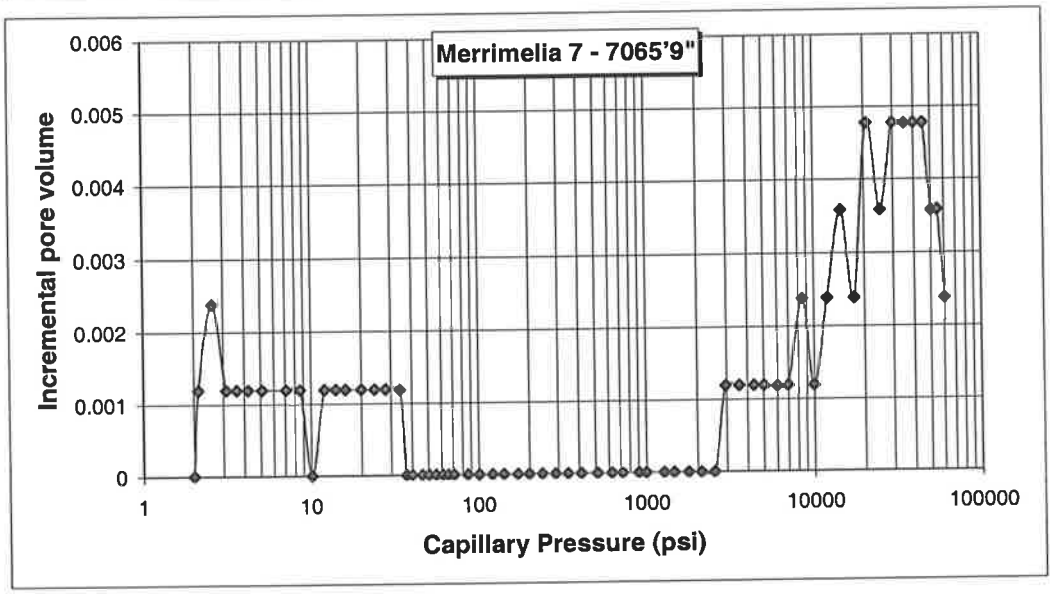
Date	February 3, 2000
Sample Weight	11.9440
Pen. Weight:	63.5450
Assembly Weight:	220.2780
Hg Surface Tension:	485.0000
Pen. Volume:	15.2653
Stem Volume:	0.3920
Hg Density:	13.5335
Hg volume	10.6986
Sample volume	4.5667
Bulk density	2.6154
Skeletal volume	4.4891
Skeletal density	**2.6607**
Porosity	**1.7000**
% Intrusion	19.8051

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.13	0.0011944	0.0011944	43.8835	1.54	50.516	1.54
2.61	0.0023888	0.0035832	38.6265	4.62	41.226	3.08
3.13	0.0011944	0.0047776	31.7972	6.15	34.377	1.54
3.61	0.0011944	0.005972	26.9781	7.69	29.806	1.54
4.21	0.0011944	0.0071664	23.2806	9.23	25.558	1.54
5.11	0.0011944	0.0083608	19.5961	10.77	21.057	1.54
7.09	0.0011944	0.0095552	15.2238	12.31	15.176	1.54
8.6	0.0011944	0.0107496	11.6347	13.85	12.512	1.54
10.07	0	0.0107496	9.7502	13.85	10.685	0.00
12.06	0.0011944	0.011944	8.2407	15.38	8.922	1.54
14.06	0.0011944	0.0131384	6.9641	16.92	7.653	1.54
16.07	0.0011944	0.0143328	6.0299	18.46	6.696	1.54
20.03	0.0011944	0.0155272	5.0719	20.00	5.372	1.54
24.01	0.0011944	0.0167216	4.1406	21.54	4.481	1.54
28.02	0.0011944	0.017916	3.4969	23.08	3.840	1.54
33.97	0.0011944	0.0191104	2.9447	24.62	3.168	1.54
36.98	0	0.0191104	2.5536	24.62	2.910	0.00
39.97	0	0.0191104	2.3539	24.62	2.692	0.00
45.85	0	0.0191104	2.1174	24.62	2.347	0.00
50.41	0	0.0191104	1.8831	24.62	2.134	0.00
55.51	0	0.0191104	1.7114	24.62	1.938	0.00
61.11	0	0.0191104	1.5544	24.62	1.761	0.00
65.92	0	0.0191104	1.4257	24.62	1.632	0.00
70.98	0	0.0191104	1.3229	24.62	1.516	0.00
85.9	0	0.0191104	1.1634	24.62	1.253	0.00
100.54	0	0.0191104	0.9761	24.62	1.070	0.00
120.7	0	0.0191104	0.8244	24.62	0.891	0.00
140.99	0	0.0191104	0.6953	24.62	0.763	0.00
170.4	0	0.0191104	0.5861	24.62	0.631	0.00
199.82	0	0.0191104	0.4916	24.62	0.538	0.00
239.13	0	0.0191104	0.4154	24.62	0.450	0.00
289.22	0	0.0191104	0.3454	24.62	0.372	0.00
342.88	0	0.0191104	0.2882	24.62	0.314	0.00
412.19	0	0.0191104	0.2416	24.62	0.261	0.00
512.3	0	0.0191104	0.198	24.62	0.210	0.00
623.52	0	0.0191104	0.1608	24.62	0.173	0.00

723.03	0	0.0191104	0.1351	24.62	0.149	0.00
901.13	0	0.0191104	0.1127	24.62	0.119	0.00
995.77	0	0.0191104	0.0956	24.62	0.108	0.00
1274.5	0	0.0191104	0.0809	24.62	0.084	0.00
1453.77	0	0.0191104	0.0666	24.62	0.074	0.00
1769.87	0	0.0191104	0.0567	24.62	0.061	0.00
2099.75	0	0.0191104	0.0471	24.62	0.051	0.00
2526.78	0	0.0191104	0.0394	24.62	0.043	0.00
2959.71	0.0011944	0.0203048	0.0332	26.15	0.036	1.54
3570.63	0.0011944	0.0214992	0.0279	27.69	0.030	1.54
4369.67	0.0011944	0.0226936	0.023	29.23	0.025	1.54
5004.46	0.0011944	0.023888	0.0194	30.77	0.022	1.54
5970.94	0.0011944	0.0250824	0.0166	32.31	0.018	1.54
6973.98	0.0011944	0.0262768	0.0141	33.85	0.015	1.54
8489.54	0.0023888	0.0286656	0.0118	36.92	0.013	3.08
9958.97	0.0011944	0.02986	0.0099	38.46	0.011	1.54
11961.5	0.0023888	0.0322488	0.0083	41.54	0.009	3.08
14470.16	0.0035832	0.035832	0.0069	46.15	0.007	4.62
17318.15	0.0023888	0.0382208	0.0057	49.23	0.006	3.08
20718.41	0.0047776	0.0429984	0.0048	55.38	0.005	6.15
24898.83	0.0035832	0.0465816	0.004	60.00	0.004	4.62
29971.2	0.0047776	0.0513592	0.0033	66.15	0.004	6.15
34925.39	0.0047776	0.0561368	0.0028	72.31	0.003	6.15
40036.45	0.0047776	0.0609144	0.0024	78.46	0.003	6.15
45049.57	0.0047776	0.065692	0.0021	84.62	0.002	6.15
50018.67	0.0035832	0.0692752	0.0019	89.23	0.002	4.62
54870.65	0.0035832	0.0728584	0.0017	93.85	0.002	4.62
59780.5	0.0023888	0.0752472	0.0016	96.92	0.002	3.08
54489	0.0023888	0.077636	0.0016	100.00	0.002	3.08
49550	0	0.077636	0.0017	100.00	0.002	0.00
44973.04	0	0.077636	0.0019	100.00	0.002	0.00
39776.71	-0.0011944	0.0764416	0.0021	98.46	0.003	1.54
35108.55	-0.0011944	0.0752472	0.0024	96.92	0.004	1.54
29895.2	-0.0011944	0.0740528	0.0028	95.38	0.005	1.54
20075.48	-0.0035832	0.0704696	0.0038	90.77	0.007	4.62
18069.73	-0.0011944	0.0692752	0.0048	89.23	0.008	1.54
15045.31	-0.0011944	0.0680808	0.0055	87.69	0.009	1.54
12494.03	-0.0011944	0.0668864	0.0066	86.15	0.011	1.54
10030.78	-0.0023888	0.0644976	0.0081	83.08	0.014	3.08
8521.6	-0.0011944	0.0633032	0.0098	81.54	0.016	1.54
7429.11	-0.0011944	0.0621088	0.0114	80.00	0.019	1.54
6215.96	-0.0011944	0.0609144	0.0134	78.46	0.023	1.54
5112.48	-0.0011944	0.05972	0.0161	76.92	0.027	1.54
4257.64	-0.0011944	0.0585256	0.0195	75.38	0.033	1.54
3552.5	-0.0011944	0.0573312	0.0233	73.85	0.040	1.54
2959.44	-0.0011944	0.0561368	0.028	72.31	0.047	1.54
2439.44	-0.0011944	0.0549424	0.0338	70.77	0.058	1.54
2046.19	0	0.0549424	0.0406	70.77	0.069	0.00
1591.51	0	0.0549424	0.0505	70.77	0.088	0.00
1235.58	-0.0011944	0.053748	0.065	69.23	0.114	1.54
967.23	-0.0011944	0.0525536	0.0833	67.69	0.145	1.54
775.09	0	0.0525536	0.1051	67.69	0.181	0.00
605.76	0	0.0525536	0.133	67.69	0.232	0.00
450.32	0	0.0525536	0.1751	67.69	0.312	0.00
369.36	0	0.0525536	0.2228	67.69	0.380	0.00
286.2	0	0.0525536	0.2804	67.69	0.491	0.00
227.95	0	0.0525536	0.3564	67.69	0.616	0.00
177.45	-0.0011944	0.0513592	0.4532	66.15	0.792	1.54
138.95	0	0.0513592	0.5802	66.15	1.011	0.00
108.52	-0.0011944	0.0501648	0.7421	64.62	1.294	1.54
84.71	0	0.0501648	0.9504	64.62	1.658	0.00
66.3	0	0.0501648	1.2157	64.62	2.118	0.00
51.25	0	0.0501648	1.5641	64.62	2.741	0.00
40.2	0	0.0501648	2.0069	64.62	3.494	0.00


Merrimelia 7 - 7065'9"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Pore Throat Size Distribution
Merrimelia 7 - 7065'9"
Relative Pore Volume
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 7 - 7065'9"
Incremental pore volume
0.006
0.005
0.004
0.003
0.002
0.001
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

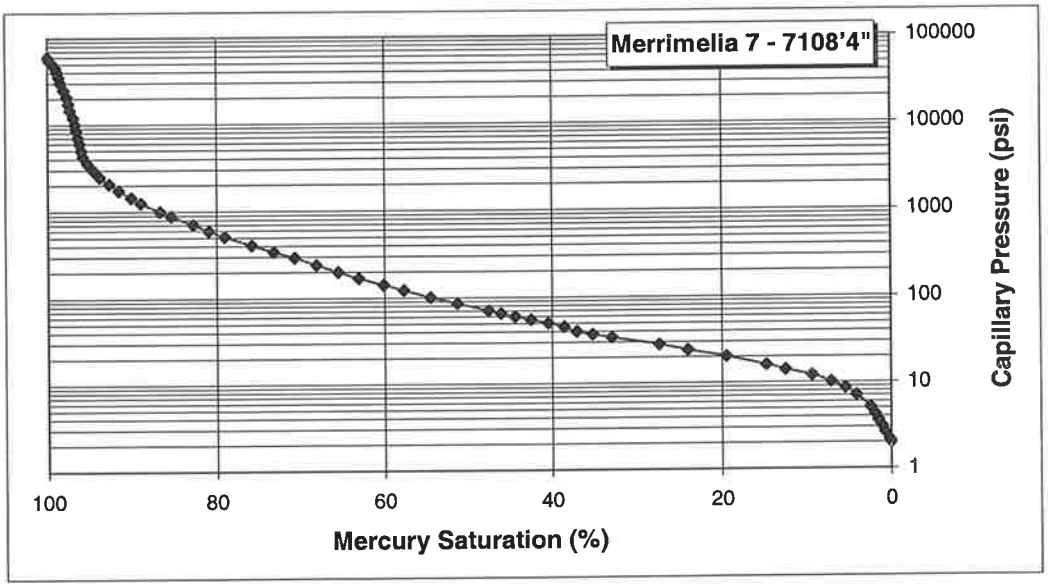
Sample **Merrimelia 7 - 7108'4"**

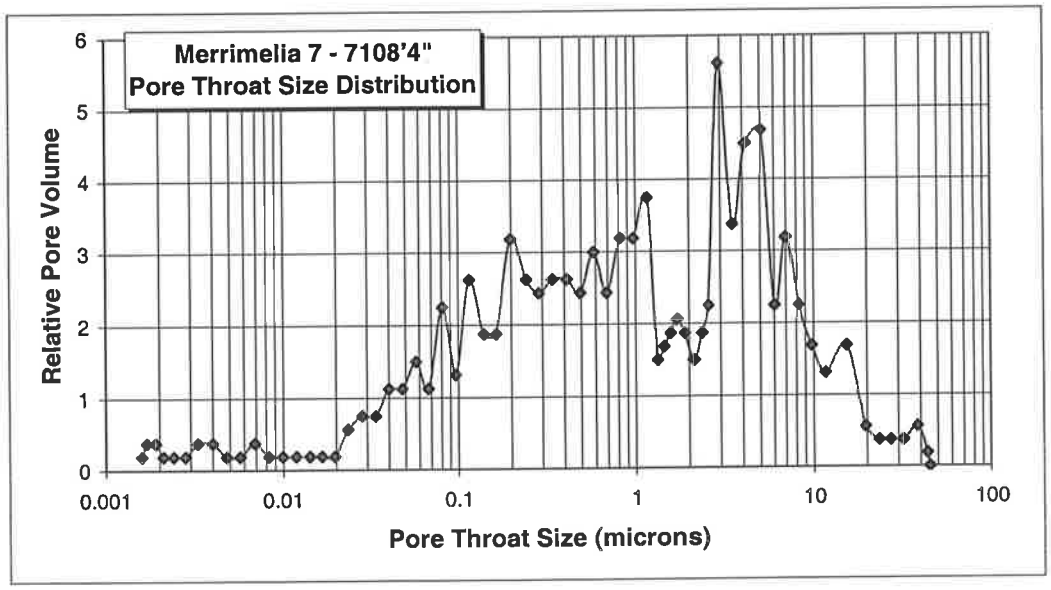
Date

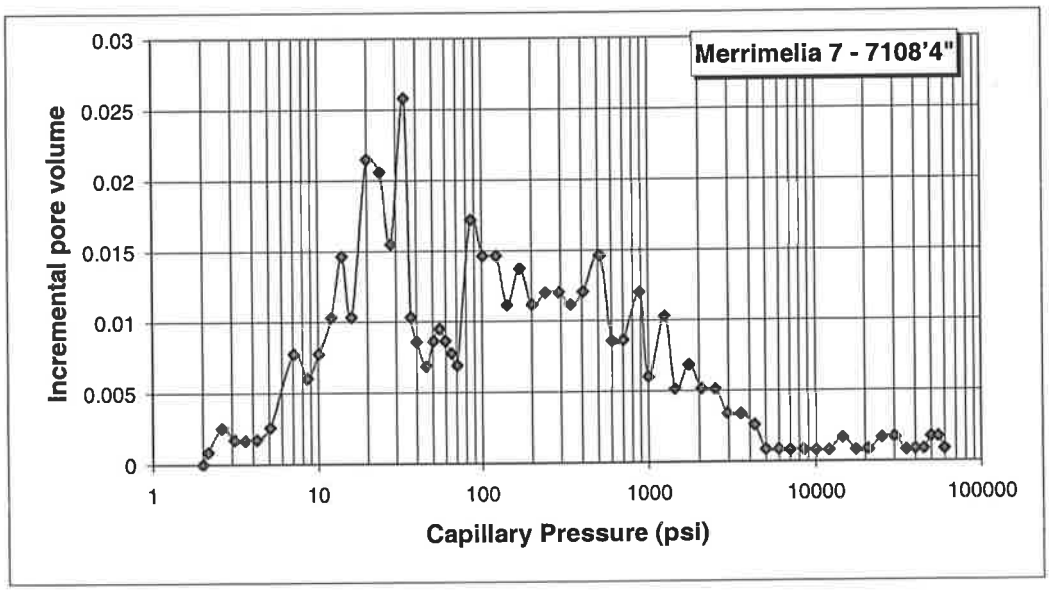
Sample weight	8.6
Pen Weight	61.25
Assembly weight	239.83
Hg Surface Tensior	485
Pen Volume	15.88
Stem Volume	1.131
Hg Density	13.5335
Hg volume	12.5599438
Sample volume	3.32005616
Bulk density	2.59031763
Skeletal volume	2.860816
Skeletal density	3.00613515
Porosity	13.8322962
% Intrusion	40.6047745

Pressure (psi)	Cumulative Radius (mm)	Cumulative pore volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Relative Pore Volume
2	45.2159	0	0	0	45.2159	0	0
2.15	43.6578	0.0001	0.00086	0.00086	43.6578	0.187266	0.187266
2.62	38.331	0.0003	0.00258	0.00344	38.331	0.749064	0.561798
3.11	31.8139	0.0002	0.00172	0.00516	31.8139	1.123596	0.374532
3.61	27.0543	0.0002	0.00172	0.00688	27.0543	1.498127	0.374532
4.21	23.2731	0.0002	0.00172	0.0086	23.2731	1.872659	0.374532
5.09	19.6266	0.0003	0.00258	0.01118	19.6266	2.434457	0.561798
7.1	15.241	0.0009	0.00774	0.01892	15.241	4.11985	1.685393
8.59	11.6269	0.0007	0.00602	0.02494	11.6269	5.430712	1.310861
10.08	9.7458	0.0009	0.00774	0.03268	9.7458	7.116105	1.685393
12.08	8.227	0.0012	0.01032	0.043	8.227	9.363296	2.247191
14.06	6.9588	0.0017	0.01462	0.05762	6.9588	12.54682	3.183521
16.03	6.0368	0.0012	0.01032	0.06794	6.0368	14.79401	2.247191
20.03	5.0778	0.0025	0.0215	0.08944	5.0778	19.47566	4.681648
24.02	4.1399	0.0024	0.02064	0.11008	4.1399	23.97004	4.494382
28.02	3.496	0.0018	0.01548	0.12556	3.496	27.34082	3.370787
33.99	2.9441	0.003	0.0258	0.15136	2.9441	32.9588	5.617978
36.98	2.553	0.0012	0.01032	0.16168	2.553	35.20599	2.247191
39.97	2.3541	0.001	0.0086	0.17028	2.3541	37.07865	1.872659
45.48	2.1255	0.0008	0.00688	0.17716	2.1255	38.57678	1.498127
50.39	1.8916	0.001	0.0086	0.18576	1.8916	40.44944	1.872659
55.02	1.7191	0.0011	0.00946	0.19522	1.7191	42.50936	2.059925
59.78	1.5782	0.001	0.0086	0.20382	1.5782	44.38202	1.872659
65.12	1.4507	0.0009	0.00774	0.21156	1.4507	46.06742	1.685393
70.59	1.3348	0.0008	0.00688	0.21844	1.3348	47.56554	1.498127
85.89	1.167	0.002	0.0172	0.23564	1.167	51.31086	3.745318
101.04	0.974	0.0017	0.01462	0.25026	0.974	54.49438	3.183521
122.27	0.8173	0.0017	0.01462	0.26488	0.8173	57.6779	3.183521
141.52	0.6893	0.0013	0.01118	0.27606	0.6893	60.11236	2.434457
169.42	0.5864	0.0016	0.01376	0.28982	0.5864	63.10861	2.996255
200.86	0.492	0.0013	0.01118	0.301	0.492	65.54307	2.434457
241.03	0.4127	0.0014	0.01204	0.31304	0.4127	68.16479	2.621723
292.7	0.3421	0.0014	0.01204	0.32508	0.3421	70.78652	2.621723
341.65	0.2868	0.0013	0.01118	0.33626	0.2868	73.22097	2.434457
408.07	0.2431	0.0014	0.01204	0.3483	0.2431	75.8427	2.621723
512.47	0.199	0.0017	0.01462	0.36292	0.199	79.02622	3.183521
599.27	0.1637	0.001	0.0086	0.37152	0.1637	80.89888	1.872659
705.07	0.1396	0.001	0.0086	0.38012	0.1396	82.77154	1.872659
883.3	0.1153	0.0014	0.01204	0.39216	0.1153	85.39326	2.621723
1001.19	0.0964	0.0007	0.00602	0.39818	0.0964	86.70412	1.310861
1253.3	0.0812	0.0012	0.01032	0.4085	0.0812	88.95131	2.247191
1442.42	0.0674	0.0006	0.00516	0.41366	0.0674	90.07491	1.123596
1735.41	0.0574	0.0008	0.00688	0.42054	0.0574	91.57303	1.498127
2073.07	0.0479	0.0006	0.00516	0.4257	0.0479	92.69663	1.123596
2489.03	0.04	0.0006	0.00516	0.43086	0.04	93.82022	1.123596
2946.45	0.0335	0.0004	0.00344	0.4343	0.0335	94.56929	0.749064

3532.92	0.0281	0.0004	0.00344	0.43774	0.0281	95.31835	0.749064
4278.44	0.0234	0.0003	0.00258	0.44032	0.0234	95.88015	0.561798
4996.55	0.0196	0.0001	0.00086	0.44118	0.0196	96.06742	0.187266
5974.05	0.0166	0.0001	0.00086	0.44204	0.0166	96.25468	0.187266
6970.36	0.0141	0.0001	0.00086	0.4429	0.0141	96.44195	0.187266
8473.88	0.0118	0.0001	0.00086	0.44376	0.0118	96.62921	0.187266
9951.84	0.0099	0.0001	0.00086	0.44462	0.0099	96.81648	0.187266
11957.95	0.0083	0.0001	0.00086	0.44548	0.0083	97.00375	0.187266
14428.32	0.0069	0.0002	0.00172	0.4472	0.0069	97.37828	0.374532
17338.82	0.0057	0.0001	0.00086	0.44806	0.0057	97.56554	0.187266
20697.96	0.0048	0.0001	0.00086	0.44892	0.0048	97.75281	0.187266
24917.47	0.004	0.0002	0.00172	0.45064	0.004	98.12734	0.374532
29922.11	0.0033	0.0002	0.00172	0.45236	0.0033	98.50187	0.374532
34852.57	0.0028	0.0001	0.00086	0.45322	0.0028	98.68914	0.187266
39944.52	0.0024	0.0001	0.00086	0.45408	0.0024	98.8764	0.187266
44989.99	0.0021	0.0001	0.00086	0.45494	0.0021	99.06367	0.187266
49917.61	0.0019	0.0002	0.00172	0.45666	0.0019	99.4382	0.374532
54758.97	0.0017	0.0002	0.00172	0.45838	0.0017	99.81273	0.374532
59776.4	0.0016	0.0001	0.00086	0.45924	0.0016	100	0.187266
54737.66	0.0016	0	0	0.45924	0.0016	100	0
49634.69	0.0017	0	0	0.45924	0.0017	100	0
44251.67	0.0019	0	0	0.45924	0.0019	100	0
39953.34	0.0022	0	0	0.45924	0.0022	100	0
34790.04	0.0024	0	0	0.45924	0.0024	100	0
30083.53	0.0028	-0.0001	-0.00086	0.45838	0.0028	99.81273	0.187266
19924.81	0.0038	-0.0002	-0.00172	0.45666	0.0038	99.4382	0.374532
17991.82	0.0048	-0.0001	-0.00086	0.4558	0.0048	99.25094	0.187266
15006.78	0.0055	-0.0001	-0.00086	0.45494	0.0055	99.06367	0.187266
12532.5	0.0066	-0.0001	-0.00086	0.45408	0.0066	98.8764	0.187266
10020.61	0.0081	-0.0003	-0.00258	0.4515	0.0081	98.31461	0.561798
8534.13	0.0098	-0.0001	-0.00086	0.45064	0.0098	98.12734	0.187266
7434.54	0.0114	0	0	0.45064	0.0114	98.12734	0
6230.59	0.0133	-0.0001	-0.00086	0.44978	0.0133	97.94007	0.187266
5120.35	0.0161	-0.0002	-0.00172	0.44806	0.0161	97.56554	0.374532
4249.05	0.0195	-0.0001	-0.00086	0.4472	0.0195	97.37828	0.187266
3616.95	0.0231	-0.0001	-0.00086	0.44634	0.0231	97.19101	0.187266
2979.63	0.0277	-0.0001	-0.00086	0.44548	0.0277	97.00375	0.187266
2474.96	0.0334	-0.0001	-0.00086	0.44462	0.0334	96.81648	0.187266
2064.58	0.0402	-0.0003	-0.00258	0.44204	0.0402	96.25468	0.561798
1600.74	0.0501	-0.0004	-0.00344	0.4386	0.0501	95.50562	0.749064
1238.53	0.0648	-0.0006	-0.00516	0.43344	0.0648	94.38202	1.123596
972.36	0.083	-0.0006	-0.00516	0.42828	0.083	93.25843	1.123596
782.3	0.1043	-0.0007	-0.00602	0.42226	0.1043	91.94757	1.310861
591.45	0.1342	-0.0009	-0.00774	0.41452	0.1342	90.26217	1.685393
461.28	0.1745	-0.001	-0.0086	0.40592	0.1745	88.38951	1.872659
367.75	0.221	-0.001	-0.0086	0.39732	0.221	86.51685	1.872659
288.93	0.2794	-0.001	-0.0086	0.38872	0.2794	84.64419	1.872659
227.96	0.3548	-0.0017	-0.01462	0.3741	0.3548	81.46067	3.183521
178.21	0.4521	-0.0011	-0.00946	0.36464	0.4521	79.40075	2.059925
139.26	0.5784	-0.0012	-0.01032	0.35432	0.5784	77.15356	2.247191
108.6	0.741	-0.0012	-0.01032	0.344	0.741	74.90637	2.247191
84.46	0.9517	-0.0013	-0.01118	0.33282	0.9517	72.47191	2.434457
66.13	1.2191	-0.0012	-0.01032	0.3225	1.2191	70.22472	2.247191
51.79	1.5568	-0.0012	-0.01032	0.31218	1.5568	67.97753	2.247191
39.98	2.0041	-0.0011	-0.00946	0.30272	2.0041	65.9176	2.059925
31.41	2.5706	-0.0011	-0.00946	0.29326	2.5706	63.85768	2.059925
24.47	3.2872	-0.0013	-0.01118	0.28208	3.2872	61.42322	2.434457
14.6	5.4882	-0.0001	-0.00086	0.28122	5.4882	61.23596	0.187266


Merrimelia 7 - 7108'4"
100000
10000
1000
100
10
1
Capillary Pressure (psi)
100
80
60
40
20
0
Mercury Saturation (%)


Merrimelia 7 - 7108'4"
Pore Throat Size Distribution
Relative Pore Volume
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 7 - 7108'4"
Incremental pore volume
0.03
0.025
0.02
0.015
0.01
0.005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

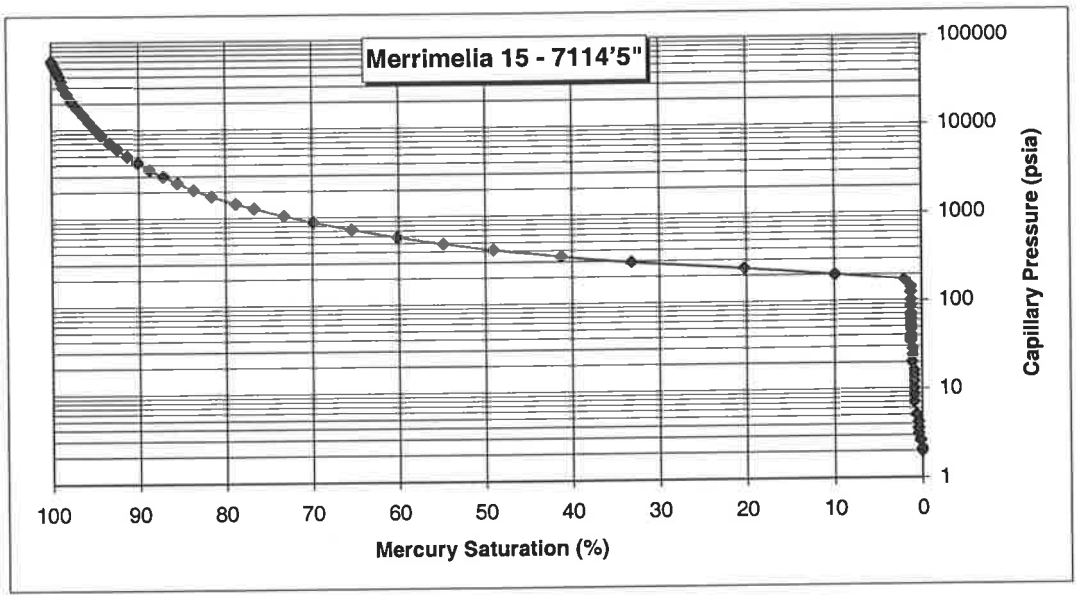
Sample **Merimelia 15 - 7114'5**

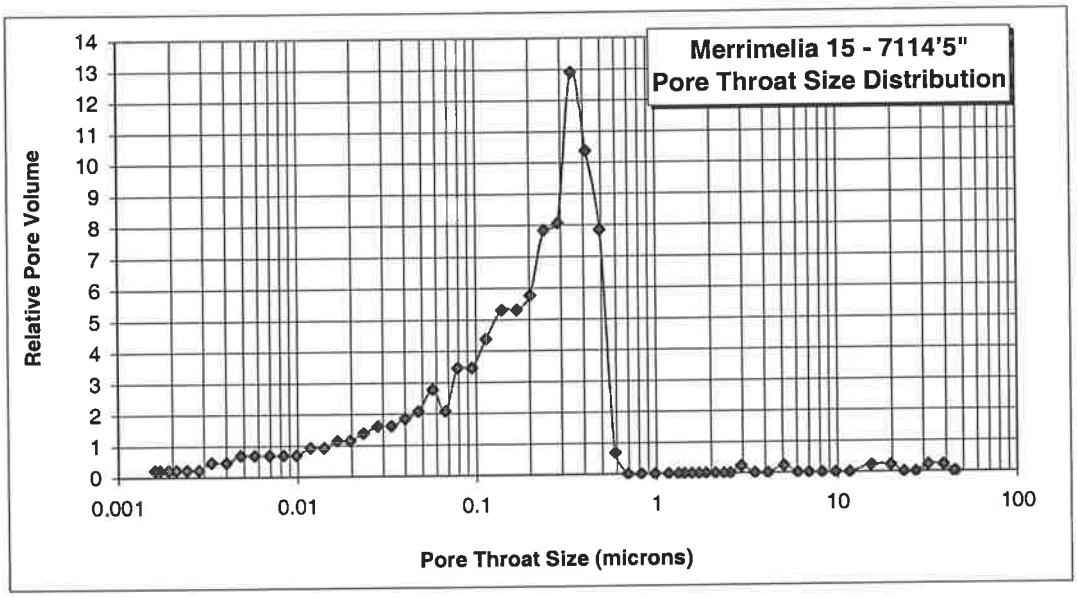
Date February 3, 2000

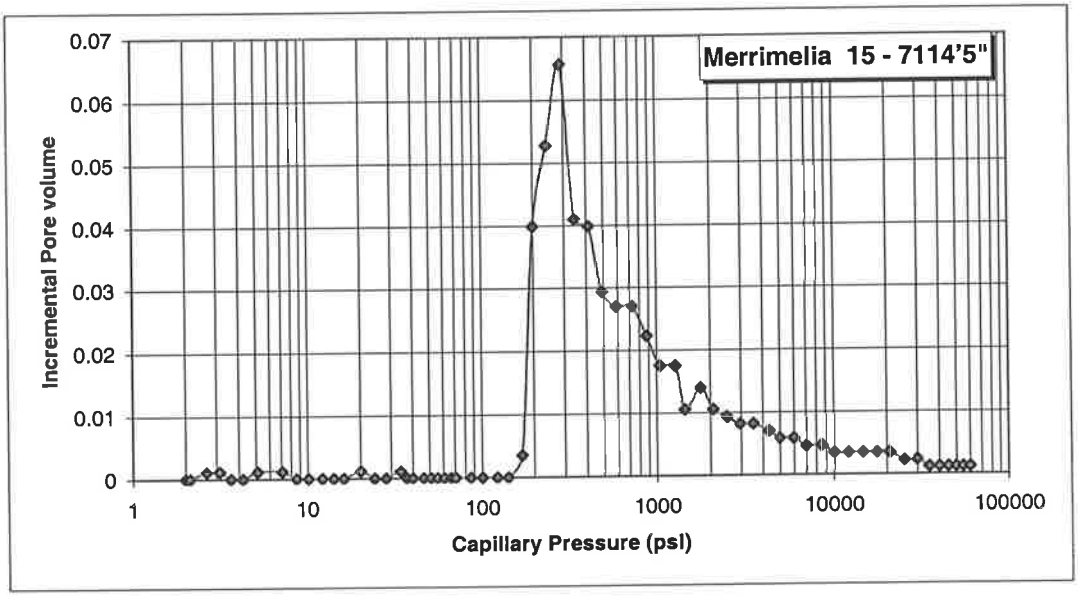
Sample Weight	11.7350
Pen. Weight:	61.1450
Assembly Weight:	221.2180
Hg Surface Tension:	485.0000
Pen. Volume:	15.8800
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	10.9608
Sample volume	4.9192
Bulk density	2.3856
Skeletal volume	4.4099
Skeletal density	**2.6611**
Porosity	**10.3533**
% Intrusion	45.0309

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.11	0	0	44.0018	0.00	50.995	0.00
2.63	0.0011735	0.0011735	38.5632	0.23	40.913	0.23
3.11	0.0011735	0.002347	31.7071	0.46	34.598	0.23
3.61	0	0.002347	27.0468	0.46	29.806	0.00
4.21	0	0.002347	23.2469	0.46	25.558	0.00
5.11	0.0011735	0.0035205	19.5837	0.69	21.057	0.23
7.1	0.0011735	0.004694	15.2122	0.92	15.155	0.23
8.58	0	0.004694	11.6377	0.92	12.541	0.00
10.08	0	0.004694	9.7558	0.92	10.675	0.00
12.08	0	0.004694	8.228	0.92	8.907	0.00
14.05	0	0.004694	6.962	0.92	7.658	0.00
16.05	0	0.004694	6.0354	0.92	6.704	0.00
20.03	0.0011735	0.0058675	5.0739	1.15	5.372	0.23
24.01	0	0.0058675	4.14	1.15	4.481	0.00
27.99	0	0.0058675	3.4985	1.15	3.844	0.00
33.98	0.0011735	0.007041	2.9461	1.38	3.167	0.23
36.97	0	0.007041	2.5538	1.38	2.910	0.00
39.96	0	0.007041	2.3544	1.38	2.693	0.00
46.19	0	0.007041	2.1104	1.38	2.330	0.00
50.91	0	0.007041	1.8672	1.38	2.114	0.00
55.46	0	0.007041	1.7035	1.38	1.940	0.00
60.74	0	0.007041	1.5597	1.38	1.771	0.00
66.52	0	0.007041	1.4241	1.38	1.618	0.00
70.62	0	0.007041	1.32	1.38	1.524	0.00
86.04	0	0.007041	1.1658	1.38	1.251	0.00
100.41	0	0.007041	0.9758	1.38	1.072	0.00
121.74	0	0.007041	0.8217	1.38	0.884	0.00
140.69	0	0.007041	0.6928	1.38	0.765	0.00
169.88	0.0035205	0.0105615	0.5876	2.07	0.633	0.69
199.15	0.039899	0.0504605	0.4932	9.91	0.540	7.83
239.57	0.0528075	0.103268	0.4158	20.28	0.449	10.37
288.64	0.065716	0.168984	0.3454	33.18	0.373	12.90
342.57	0.0410725	0.2100565	0.2886	41.24	0.314	8.06
412.74	0.039899	0.2499555	0.2415	49.08	0.261	7.83
490.7	0.0293375	0.279293	0.2017	54.84	0.219	5.76
588.14	0.0269905	0.3062835	0.169	60.14	0.183	5.30
723.98	0.0269905	0.333274	0.1393	65.44	0.149	5.30

880.07	0.0222965	0.3555705	0.1138	69.82	0.122	4.38
1043.68	0.0176025	0.373173	0.0947	73.27	0.103	3.46
1267.39	0.0176025	0.3907755	0.079	76.73	0.085	3.46
1436.17	0.0105615	0.401337	0.0672	78.80	0.075	2.07
1755.76	0.014082	0.415419	0.0572	81.57	0.061	2.76
2084.77	0.0105615	0.4259805	0.0474	83.64	0.052	2.07
2487.04	0.009388	0.4353685	0.0399	85.48	0.043	1.84
2964.57	0.0082145	0.443583	0.0334	87.10	0.036	1.61
3542.47	0.0082145	0.4517975	0.028	88.71	0.030	1.61
4296.5	0.007041	0.4588385	0.0233	90.09	0.025	1.38
4977.02	0.0058675	0.464706	0.0196	91.24	0.022	1.15
5975.79	0.0058675	0.4705735	0.0167	92.40	0.018	1.15
6966.76	0.004694	0.4752675	0.0141	93.32	0.015	0.92
8513.92	0.004694	0.4799615	0.0118	94.24	0.013	0.92
9967.73	0.0035205	0.483482	0.0098	94.93	0.011	0.69
11968.15	0.0035205	0.4870025	0.0083	95.62	0.009	0.69
14441.71	0.0035205	0.490523	0.0069	96.31	0.007	0.69
17339.77	0.0035205	0.4940435	0.0057	97.00	0.006	0.69
20737.23	0.0035205	0.497564	0.0048	97.70	0.005	0.69
24973.06	0.002347	0.499911	0.004	98.16	0.004	0.46
29933.68	0.002347	0.502258	0.0033	98.62	0.004	0.46
34931.22	0.0011735	0.5034315	0.0028	98.85	0.003	0.23
39948.64	0.0011735	0.504605	0.0024	99.08	0.003	0.23
44951.5	0.0011735	0.5057785	0.0021	99.31	0.002	0.23
49944.44	0.0011735	0.506952	0.0019	99.54	0.002	0.23
54821.66	0.0011735	0.5081255	0.0017	99.77	0.002	0.23
59996.67	0.0011735	0.509299	0.0016	100.00	0.002	0.23
54513.2	0	0.509299	0.0016	100.00	0.002	0.00
49807.76	0	0.509299	0.0017	100.00	0.002	0.00
45069.66	0	0.509299	0.0019	100.00	0.002	0.00
39718.23	0	0.509299	0.0021	100.00	0.003	0.00
34968.78	0	0.509299	0.0024	100.00	0.004	0.00
29878.59	-0.0011735	0.5081255	0.0028	99.77	0.005	0.23
19910.83	-0.0011735	0.506952	0.0038	99.54	0.007	0.23
17973.22	0	0.506952	0.0048	99.54	0.008	0.00
14987.83	-0.0011735	0.5057785	0.0055	99.31	0.009	0.23
12484.45	-0.0011735	0.504605	0.0066	99.08	0.011	0.23
10031.48	-0.0011735	0.5034315	0.0081	98.85	0.014	0.23
8531.87	-0.0011735	0.502258	0.0098	98.62	0.016	0.23
7404.23	-0.0011735	0.5010845	0.0114	98.39	0.019	0.23
6210.23	-0.002347	0.4987375	0.0134	97.93	0.023	0.46
5113.13	-0.002347	0.4963905	0.0161	97.47	0.027	0.46
4261.96	-0.002347	0.4940435	0.0195	97.00	0.033	0.46
3562.86	-0.002347	0.4916965	0.0233	96.54	0.039	0.46
2954.8	-0.002347	0.4893495	0.028	96.08	0.048	0.46
2450.94	-0.0035205	0.485829	0.0338	95.39	0.057	0.69
2106.87	-0.002347	0.483482	0.0399	94.93	0.067	0.46
1589.4	-0.0058675	0.4776145	0.0499	93.78	0.088	1.15
1247.19	-0.0058675	0.471747	0.0647	92.63	0.113	1.15
994.36	-0.0058675	0.4658795	0.0817	91.47	0.141	1.15
763.35	-0.009388	0.4564915	0.1047	89.63	0.184	1.84
595.92	-0.0082145	0.448277	0.1351	88.02	0.236	1.61
442.82	-0.0105615	0.4377155	0.178	85.94	0.317	2.07
372.03	-0.0105615	0.427154	0.2236	83.87	0.378	2.07
289.69	-0.009388	0.417766	0.2776	82.03	0.485	1.84
228.3	-0.0199495	0.3978165	0.3541	78.11	0.615	3.92
178.12	-0.011735	0.3860815	0.4519	75.81	0.789	2.30
138.79	-0.0152555	0.370826	0.5796	72.81	1.012	3.00
108.82	-0.0152555	0.3555705	0.7413	69.82	1.291	3.00
83.77	-0.016429	0.3391415	0.9553	66.59	1.677	3.23
66.16	-0.0176025	0.321539	1.2233	63.13	2.123	3.46
50.69	-0.0152555	0.3062835	1.5756	60.14	2.771	3.00
40.32	-0.011735	0.2945485	2.0134	57.83	3.484	2.30


Merrimelia 15 - 7114'5"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 15 - 7114'5"
Pore Throat Size Distribution
Relative Pore Volume
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 15 - 7114'5"
Incremental Pore volume
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

Sample **Merrimelia 15 - 7120'1/2"**

Date

Sample weight	1.318
Pen Weight	63.491
Assembly weight	260.475
Hg Surface Tension	485
Pen Volume	15.267
Stem Volume	0.392
Hg Density	13.5335
Hg volume	14.4579
Sample volume	0.809099
Bulk density	1.628972
Skeletal volume	0.702209
Skeletal density	1.876933
Porosity	13.21096
% Intrusion	27.26781

Pressure (psi)	Cumulative Diameter (A)	Cumulative volume	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj	Pore volume
0.57	3175941	0	0	0.000000	158.7971	0	0
2.13	2011751	0.0027	0.0035586	0.003559	100.5876	3.329223	3.329223
2.62	768420	0.0012	0.0015816	0.005140	38.421	4.808878	1.479655
3.14	632371	0.0012	0.0015816	0.006722	31.61855	6.288533	1.479655
3.63	536597	0.0016	0.0021088	0.008831	26.82985	8.261406	1.972873
4.22	463117	0.0021	0.0027678	0.011598	23.15585	10.8508	2.589396
5.12	390776	0.0053	0.0069854	0.018584	19.5388	17.38594	6.535142
7.1	303911	0.0177	0.0233286	0.041912	15.19555	39.21085	21.82491
8.6	232497	0.005	0.00659	0.048502	11.62485	45.37608	6.165228
10.09	194693	0.0029	0.0038222	0.052325	9.73465	48.95191	3.575832
12.07	164510	0.0025	0.003295	0.055620	8.2255	52.03453	3.082614
14.08	139158	0.0019	0.0025042	0.058124	6.9579	54.37731	2.342787
16.05	120560	0.0018	0.0023724	0.060496	6.028	56.59679	2.219482
20.05	101434	0.0026	0.0034268	0.063923	5.0717	59.80271	3.205919
24.03	82735	0.0021	0.0027678	0.066691	4.13675	62.39211	2.589396
28	69925	0.0016	0.0021088	0.068800	3.49625	64.36498	1.972873
33.97	58912	0.0032	0.0042176	0.073017	2.9456	68.31073	3.945746
39.97	49245	0.0038	0.0050084	0.078026	2.46225	72.9963	4.685573
49.94	40734	0.0049	0.0064582	0.084484	2.0367	79.03822	6.041924
60.96	32943	0.0014	0.0018452	0.086329	1.64715	80.76449	1.726264
71.13	27549	0.0006	0.0007908	0.087120	1.37745	81.50432	0.739827
86.39	23181	0.001	0.001318	0.088438	1.15905	82.73736	1.233046
100.57	19459	0.0008	0.0010544	0.089492	0.97295	83.7238	0.986436
120.44	16501	0.0007	0.0009226	0.090415	0.82505	84.58693	0.863132
142.76	13843	0.0004	0.0005272	0.090942	0.69215	85.08015	0.493218
171.43	11610	-0.0002	-0.0002636	0.090678	0.5805	84.83354	-0.24661
200.77	9780	-0.0001	-0.0001318	0.090547	0.489	84.71023	-0.1233
238.93	8289	-0.0002	-0.0002636	0.090283	0.41445	84.46363	-0.24661
289.5	6909	-0.0001	-0.0001318	0.090151	0.34545	84.34032	-0.1233
347.12	5729	-0.0001	-0.0001318	0.090019	0.28645	84.21702	-0.1233
412.99	4795	-0.0002	-0.0002636	0.089756	0.23975	83.97041	-0.24661
511.52	3958	-0.0001	-0.0001318	0.089624	0.1979	83.8471	-0.1233
605.91	3260	-0.0001	-0.0001318	0.089492	0.163	83.7238	-0.1233
746.12	2705	-0.0001	-0.0001318	0.089360	0.13525	83.60049	-0.1233
870.2	2251	-0.0001	-0.0001318	0.089229	0.11255	83.47719	-0.1233
1083.16	1874	0	0	0.089229	0.0937	83.47719	0
1261.51	1552	0	0	0.089229	0.0776	83.47719	0
1453.34	1339	-0.0001	-0.0001318	0.089097	0.06695	83.35388	-0.1233
1783.78	1129	-0.0001	-0.0001318	0.088965	0.05645	83.23058	-0.1233
2096.23	938	0	0	0.088965	0.0469	83.23058	0
2511.74	791	0.0001	0.0001318	0.089097	0.03955	83.35388	0.123305

2966.95	665	0.0001	0.0001318	0.089229	0.03325	83.47719	0.123305
3571.05	558	0.0001	0.0001318	0.089360	0.0279	83.60049	0.123305
4323.63	462	0.0001	0.0001318	0.089492	0.0231	83.7238	0.123305
5102.81	386	0.0002	0.0002636	0.089756	0.0193	83.97041	0.246609
5994.05	328	0.0002	0.0002636	0.090019	0.0164	84.21702	0.246609
6987.51	280	0.0006	0.0007908	0.090810	0.014	84.95684	0.739827
8490.31	236	0.0002	0.0002636	0.091074	0.0118	85.20345	0.246609
9994.17	197	0.0003	0.0003954	0.091469	0.00985	85.57337	0.369914
11966.9	166	0.0007	0.0009226	0.092392	0.0083	86.4365	0.863132
14599.82	138	0.0007	0.0009226	0.093314	0.0069	87.29963	0.863132
17334.6	114	0.0003	0.0003954	0.093710	0.0057	87.66954	0.369914
20751.22	96	0.0007	0.0009226	0.094632	0.0048	88.53268	0.863132
24902.91	80	0.0006	0.0007908	0.095423	0.004	89.2725	0.739827
29881.25	67	0.001	0.001318	0.096741	0.00335	90.50555	1.233046
34944.79	56	0.0006	0.0007908	0.097532	0.0028	91.24538	0.739827
39958.99	49	0.0005	0.000659	0.098191	0.00245	91.8619	0.616523
44848.25	43	0.0007	0.0009226	0.099114	0.00215	92.72503	0.863132
50012.6	38	0.001	0.001318	0.100432	0.0019	93.95808	1.233046
54959.73	35	0.0012	0.0015816	0.102013	0.00175	95.43773	1.479655
59915.73	32	0.0013	0.0017134	0.103727	0.0016	97.04069	1.602959
54412.01	32	0.0015	0.001977	0.105704	0.0016	98.89026	1.849568
49718.98	35	0.0006	0.0007908	0.106494	0.00175	99.63009	0.739827
44921.25	38	0.0003	0.0003954	0.106890	0.0019	100	0.369914
40090.88	43	0	0	0.106890	0.00215	100	0
34839.2	49	-0.0005	-0.000659	0.106231	0.00245	99.38348	0.616523
29796.93	56	-0.0009	-0.0011862	0.105045	0.0028	98.27374	1.109741
19928.95	76	-0.0012	-0.0015816	0.103463	0.0038	96.79408	1.479655
17932.42	96	-0.0003	-0.0003954	0.103068	0.0048	96.42417	0.369914
15009.16	111	-0.001	-0.001318	0.101750	0.00555	95.19112	1.233046
12527.44	132	-0.0014	-0.0018452	0.099904	0.0066	93.46486	1.726264
10038.99	162	-0.0019	-0.0025042	0.097400	0.0081	91.12207	2.342787
8537.25	196	-0.0016	-0.0021088	0.095291	0.0098	89.1492	1.972873
7393.31	228	-0.0019	-0.0025042	0.092787	0.0114	86.80641	2.342787
6201.09	268	-0.0021	-0.0027678	0.090019	0.0134	84.21702	2.589396
5105.77	323	-0.0021	-0.0027678	0.087252	0.01615	81.62762	2.589396
4164.96	394	-0.0015	-0.001977	0.085275	0.0197	79.77805	1.849568
3555.66	471	-0.002	-0.002636	0.082639	0.02355	77.31196	2.466091
2958.36	560	-0.0013	-0.0017134	0.080925	0.028	75.709	1.602959
2496.96	668	-0.0011	-0.0014498	0.079475	0.0334	74.35265	1.35635
2063.82	800	-0.0011	-0.0014498	0.078026	0.04	72.9963	1.35635
1588.38	1008	-0.0016	-0.0021088	0.075917	0.0504	71.02343	1.972873
1244.82	1296	-0.0011	-0.0014498	0.074467	0.0648	69.66708	1.35635
959.33	1669	-0.0015	-0.001977	0.072490	0.08345	67.81751	1.849568
769.17	2118	-0.0009	-0.0011862	0.071304	0.1059	66.70777	1.109741
583.02	2727	-0.0012	-0.0015816	0.069722	0.13635	65.22811	1.479655
455.69	3536	-0.0009	-0.0011862	0.068536	0.1768	64.11837	1.109741
374.09	4402	-0.0005	-0.000659	0.067877	0.2201	63.50185	0.616523
283.49	5607	-0.0006	-0.0007908	0.067086	0.28035	62.76202	0.739827
228.12	7154	0.0006	0.0007908	0.067877	0.3577	63.50185	-0.73983
177.99	9045	0.0036	0.0047448	0.072622	0.45225	67.94081	-4.43896
137.61	11652	0.0027	0.0035586	0.076180	0.5826	71.27004	-3.32922
107.24	15004	0.0017	0.0022406	0.078421	0.7502	73.36621	-2.09618
83.6	19251	0.0013	0.0017134	0.080134	0.96255	74.96917	-1.60296
64.9	24753	0.0012	0.0015816	0.081716	1.23765	76.44883	-1.47965
50.91	31696	0.001	0.001318	0.083034	1.5848	77.68187	-1.23305
39.13	40872	-0.0006	-0.0007908	0.082243	2.0436	76.94205	0.739827
30.9	52378	-0.0011	-0.0014498	0.080793	2.6189	75.5857	1.35635
24.09	66808	-0.0018	-0.0023724	0.078421	3.3404	73.36621	2.219482
19.02	85093	-0.0019	-0.0025042	0.075917	4.25465	71.02343	2.342787
14.12	111608	-0.0024	-0.0031632	0.072754	5.5804	68.06412	2.959309
			0	0.072754	0	68.06412	0
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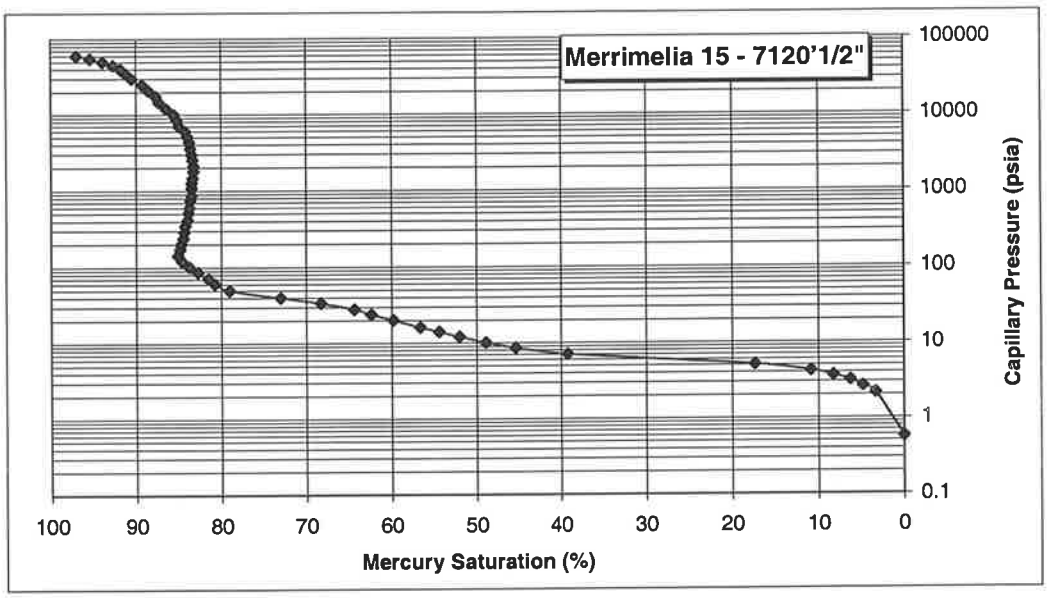
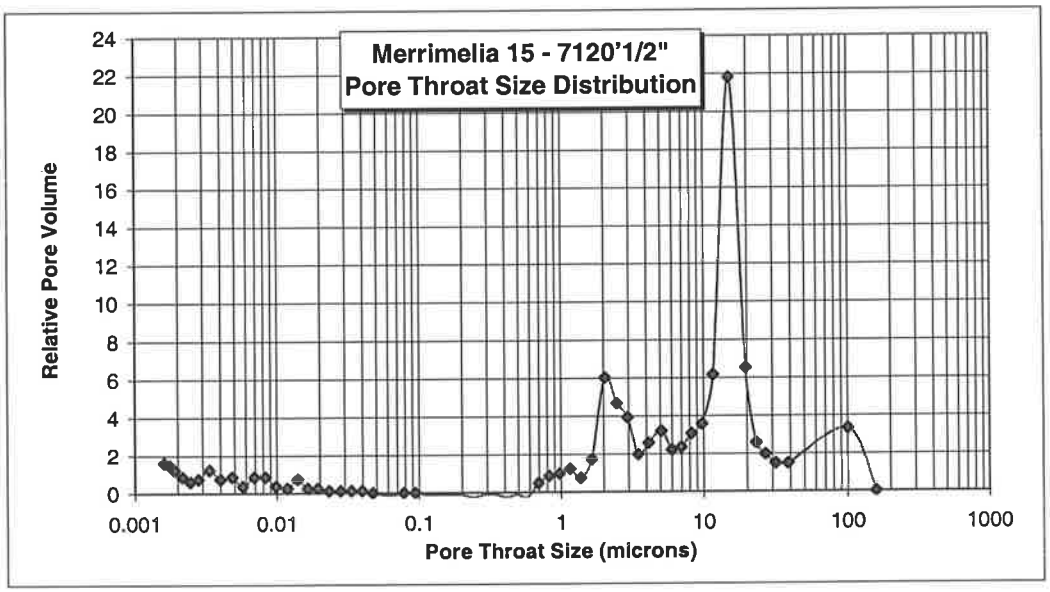
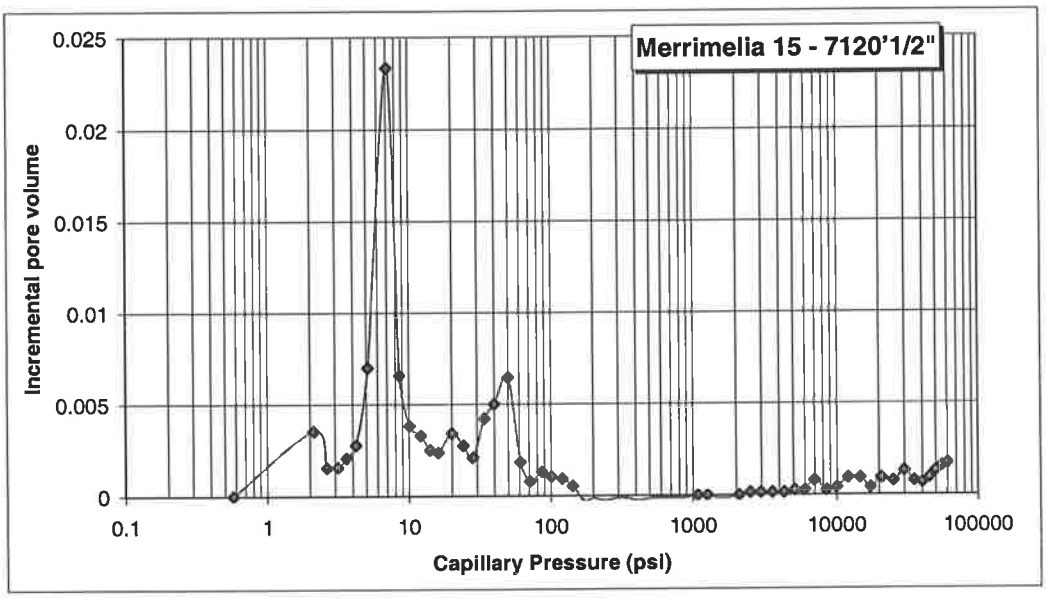

Merrimelia 15 - 7120'1/2"
100000
10000
1000
100
10
1
0.1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 15 - 7120'1/2"
Pore Throat Size Distribution
Relative Pore Volume
24
22
20
18
16
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
1000
Pore Throat Size (microns)

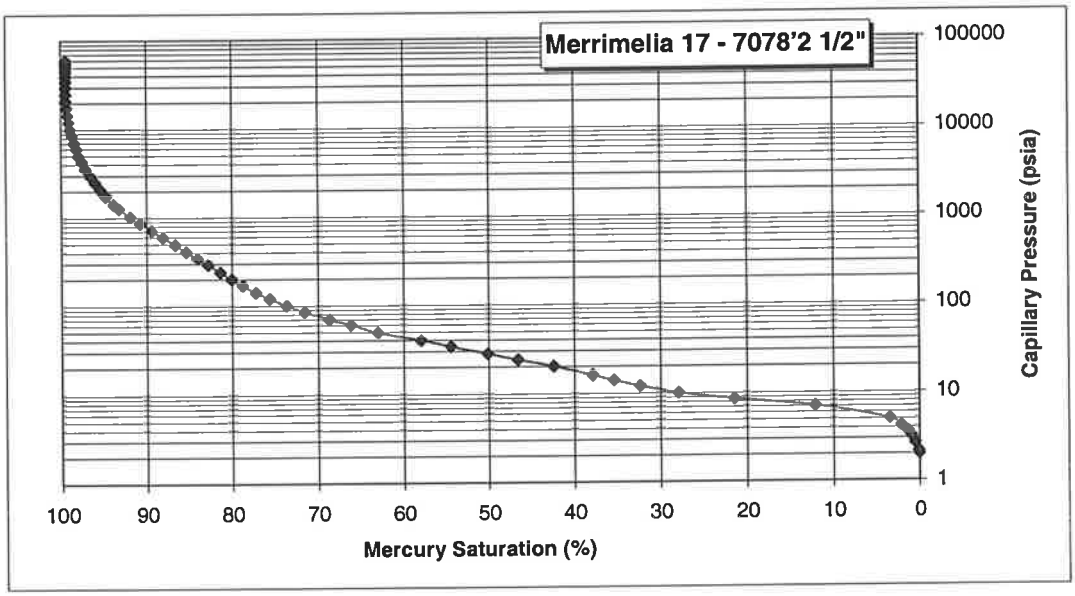

Merrimelia 15 - 7120'1/2"
Incremental pore volume
0.025
0.02
0.015
0.01
0.005
0
0.1
1
10
100
1000
10000
100000
Capillary Pressure (psi)

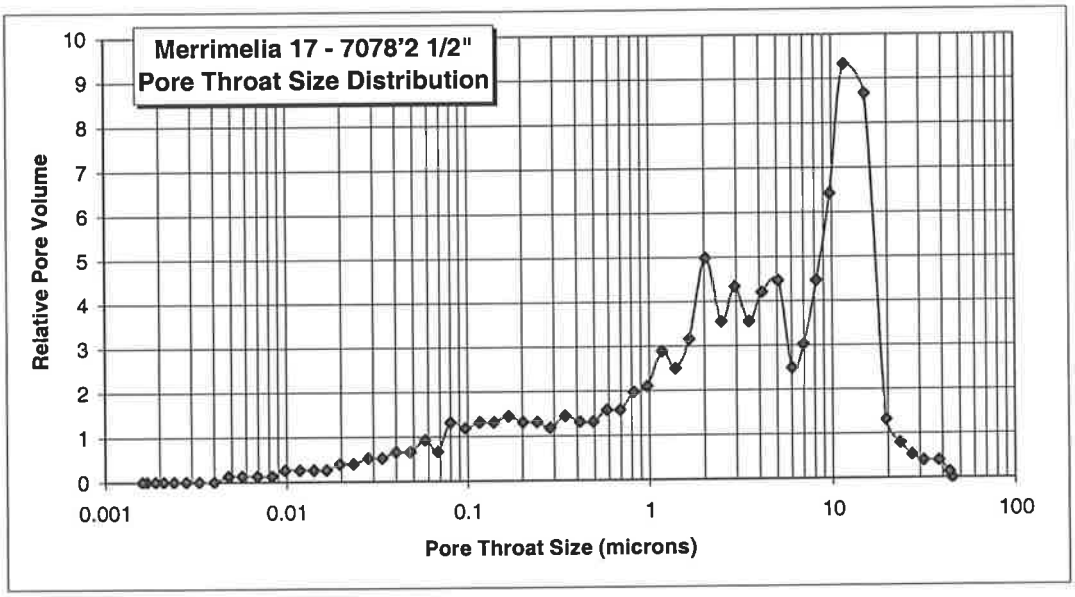
Sample **Merimelia 17 - 7078'2.25**

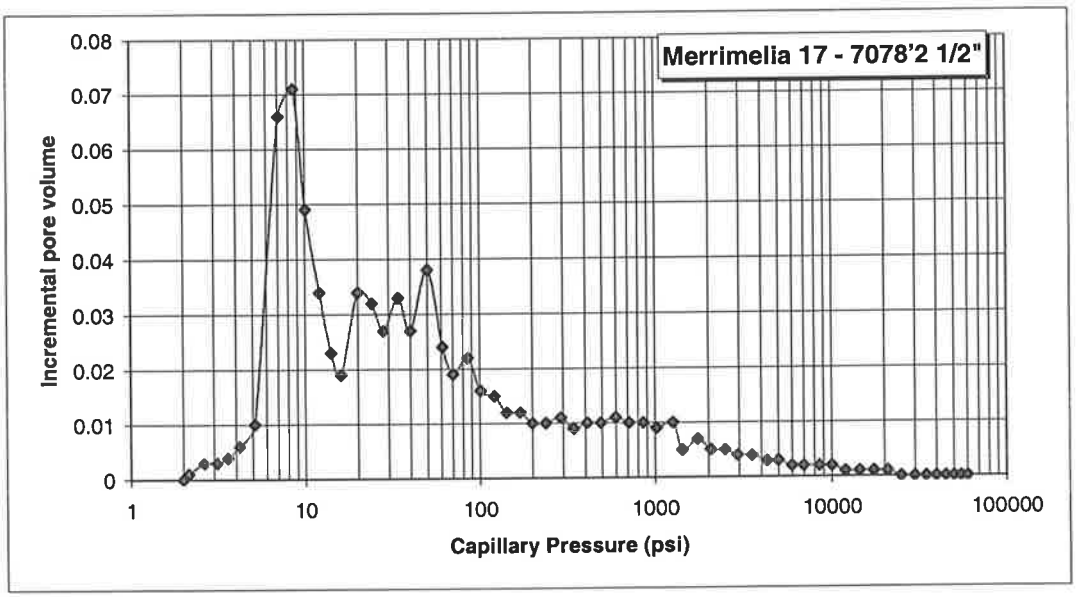
Date	February 3, 2000
Sample Weight	9.9980
Pen. Weight:	61.2110
Assembly Weight:	224.6760
Hg Surface Tension:	485.0000
Pen. Volume:	15.8800
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	11.3398
Sample volume	4.5402
Bulk density	2.2021
Skeletal volume	3.7784
Skeletal density	**2.6461**
Porosity	**16.7800**
% Intrusion	67.3605

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.14	0.0009998	0.0009998	43.7008	0.13	50.280	0.13
2.64	0.0029994	0.0039992	38.2501	0.52	40.758	0.39
3.13	0.0029994	0.0069986	31.6094	0.92	34.377	0.39
3.62	0.0039992	0.0109978	26.9375	1.44	29.724	0.52
4.21	0.0059988	0.0169966	23.2183	2.23	25.558	0.79
5.12	0.009998	0.0269946	19.5623	3.54	21.016	1.31
7.1	0.0659868	0.0929814	15.1986	12.20	15.155	8.66
8.59	0.0709858	0.1639672	11.6319	21.52	12.526	9.32
10.09	0.0489902	0.2129574	9.7418	27.95	10.664	6.43
12.09	0.0339932	0.2469506	8.219	32.41	8.900	4.46
14.06	0.0229954	0.269946	6.9564	35.43	7.653	3.02
16.04	0.0189962	0.2889422	6.0357	37.93	6.708	2.49
20.03	0.0339932	0.3229354	5.0763	42.39	5.372	4.46
24.02	0.0319936	0.354929	4.14	46.59	4.480	4.20
28	0.0269946	0.3819236	3.4979	50.13	3.843	3.54
33.98	0.0329934	0.414917	2.9459	54.46	3.167	4.33
39.97	0.0269946	0.4419116	2.4621	58.01	2.692	3.54
49.95	0.0379924	0.479904	2.0365	62.99	2.154	4.99
60.98	0.0239952	0.5038992	1.6467	66.14	1.765	3.15
70.23	0.0189962	0.5228954	1.3853	68.64	1.532	2.49
85.47	0.0219956	0.544891	1.1728	71.52	1.259	2.89
100.86	0.0159968	0.5608878	0.9774	73.62	1.067	2.10
120.57	0.014997	0.5758848	0.8233	75.59	0.892	1.97
141.79	0.0119976	0.5878824	0.6939	77.17	0.759	1.57
169.57	0.0119976	0.59988	0.5855	78.74	0.635	1.57
200.18	0.009998	0.609878	0.4925	80.05	0.538	1.31
239.25	0.009998	0.619876	0.4149	81.36	0.450	1.31
291.49	0.0109978	0.6308738	0.3441	82.81	0.369	1.44
344.19	0.0089982	0.639872	0.2865	83.99	0.313	1.18
411.73	0.009998	0.64987	0.2412	85.30	0.261	1.31
492.27	0.009998	0.659868	0.2017	86.61	0.219	1.31
597.95	0.0109978	0.6708658	0.1675	88.06	0.180	1.44
711.63	0.009998	0.6808638	0.1392	89.37	0.151	1.31
858.62	0.009998	0.6908618	0.1162	90.68	0.125	1.31
1021.44	0.0089982	0.69986	0.0969	91.86	0.105	1.18
1262.29	0.009998	0.709858	0.0801	93.18	0.085	1.31

1422.98	0.004999	0.714857	0.0676	93.83	0.076	0.66
1741.74	0.0069986	0.7218556	0.0577	94.75	0.062	0.92
2065.33	0.004999	0.7268546	0.0479	95.41	0.052	0.66
2494.02	0.004999	0.7318536	0.04	96.06	0.043	0.66
2943.68	0.0039992	0.7358528	0.0335	96.59	0.037	0.52
3538.33	0.0039992	0.739852	0.0281	97.11	0.030	0.52
4300.25	0.0029994	0.7428514	0.0233	97.51	0.025	0.39
4988.35	0.0029994	0.7458508	0.0196	97.90	0.022	0.39
5976.84	0.0019996	0.7478504	0.0166	98.16	0.018	0.26
6969.24	0.0019996	0.74985	0.0141	98.43	0.015	0.26
8508.96	0.0019996	0.7518496	0.0118	98.69	0.013	0.26
9998.27	0.0019996	0.7538492	0.0098	98.95	0.011	0.26
11967.11	0.0009998	0.754849	0.0083	99.08	0.009	0.13
14436.06	0.0009998	0.7558488	0.0069	99.21	0.007	0.13
17348.69	0.0009998	0.7568486	0.0057	99.34	0.006	0.13
20752.9	0.0009998	0.7578484	0.0048	99.48	0.005	0.13
24908.17	0	0.7578484	0.004	99.48	0.004	0.00
29886.2	0	0.7578484	0.0033	99.48	0.004	0.00
34894.04	0	0.7578484	0.0028	99.48	0.003	0.00
39853.96	0	0.7578484	0.0024	99.48	0.003	0.00
44989.58	0	0.7578484	0.0021	99.48	0.002	0.00
50071.96	0	0.7578484	0.0019	99.48	0.002	0.00
54972.97	0	0.7578484	0.0017	99.48	0.002	0.00
59966.61	0	0.7578484	0.0016	99.48	0.002	0.00
54772.41	0.0009998	0.7588482	0.0016	99.61	0.002	0.13
49513.98	0	0.7588482	0.0017	99.61	0.002	0.00
45024.69	0	0.7588482	0.0019	99.61	0.002	0.00
39750.64	0	0.7588482	0.0021	99.61	0.003	0.00
34720.07	0	0.7588482	0.0024	99.61	0.003	0.00
30079.94	0.0009998	0.759848	0.0028	99.74	0.004	0.13
20088.74	0.0009998	0.7608478	0.0038	99.87	0.005	0.13
18011.64	0.0009998	0.7618476	0.0048	100.00	0.006	0.13
15008.49	0	0.7618476	0.0055	100.00	0.009	0.00
12542.02	0	0.7618476	0.0066	100.00	0.011	0.00
10041.84	-0.0019996	0.759848	0.0081	99.74	0.014	0.26
8542.22	0	0.759848	0.0098	99.74	0.016	0.00
7431.63	-0.0009998	0.7588482	0.0114	99.61	0.019	0.13
6217.38	-0.0009998	0.7578484	0.0134	99.48	0.023	0.13
5117.8	-0.0029994	0.754849	0.0161	99.08	0.027	0.39
4261.32	-0.0009998	0.7538492	0.0194	98.95	0.033	0.13
3614.82	-0.0019996	0.7518496	0.0231	98.69	0.039	0.26
2997.66	-0.0009998	0.7508498	0.0276	98.56	0.047	0.13
2495.03	-0.0009998	0.74985	0.0332	98.43	0.056	0.13
2097.82	-0.0019996	0.7478504	0.0397	98.16	0.067	0.26
1626.34	-0.0029994	0.744851	0.0494	97.77	0.086	0.39
1270.55	-0.004999	0.739852	0.0634	97.11	0.111	0.66
981.52	-0.004999	0.734853	0.0817	96.46	0.143	0.66
779.52	-0.0059988	0.7288542	0.1041	95.67	0.180	0.79
602.08	-0.0069986	0.7218556	0.1331	94.75	0.233	0.92
476.55	-0.0079984	0.7138572	0.17	93.70	0.295	1.05
374.15	-0.0089982	0.704859	0.2157	92.52	0.375	1.18
291.74	-0.0119976	0.6928614	0.2758	90.94	0.481	1.57
227.77	-0.0089982	0.6838632	0.3535	89.76	0.617	1.18
178.28	-0.0089982	0.674865	0.4521	88.58	0.788	1.18
138.83	-0.009998	0.664867	0.5793	87.27	1.012	1.31
108.28	-0.009998	0.654869	0.7433	85.96	1.297	1.31
84.08	-0.0109978	0.6438712	0.9553	84.51	1.671	1.44
65.8	-0.014997	0.6288742	1.225	82.55	2.135	1.97
51.36	-0.019996	0.6088782	1.5676	79.92	2.735	2.62
39.92	-0.0359928	0.5728854	2.0131	75.20	3.518	4.72
24.53	-0.0239952	0.5488902	0	72.05	5.726	3.15
18.81	-0.0289942	0.519896	3.3104	68.24	7.467	3.81
14.77	-0.0319936	0.4879024	4.2464	64.04	9.510	4.20


Merrimelia 17 - 7078'2 1/2"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 17 - 7078'2 1/2"
Pore Throat Size Distribution
Relative Pore Volume
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 17 - 7078'2 1/2"
Incremental pore volume
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

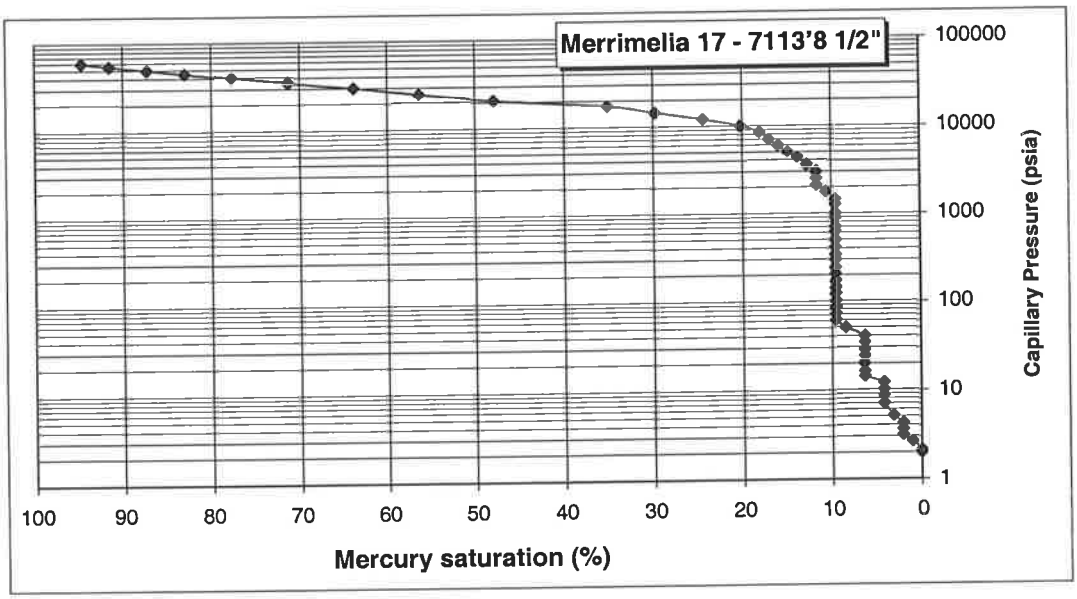
Sample **Merimelia 17 - 7113'8.5**

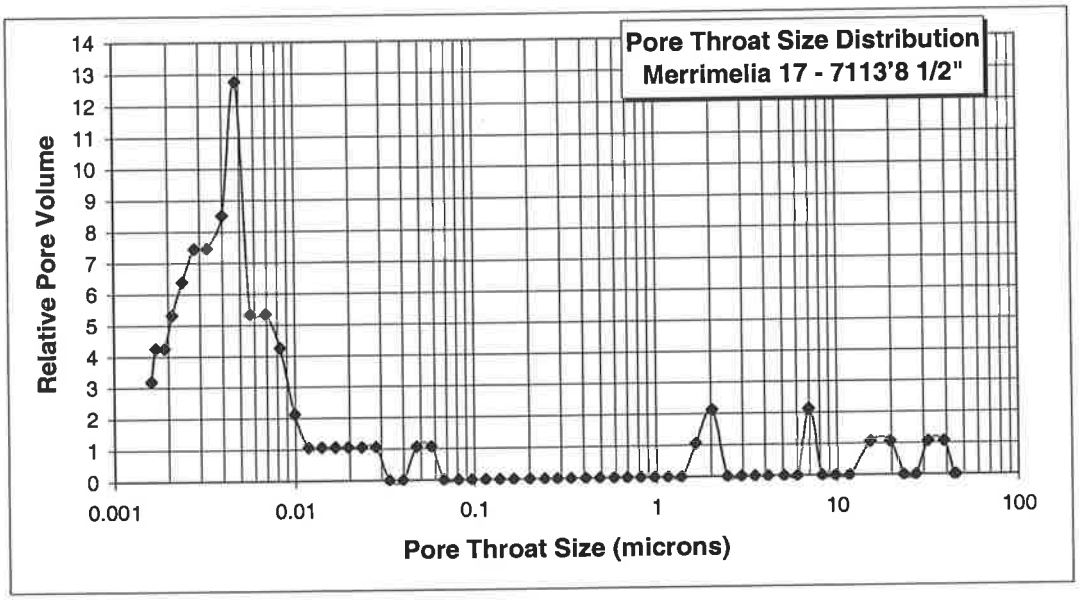
Date February 3, 2000

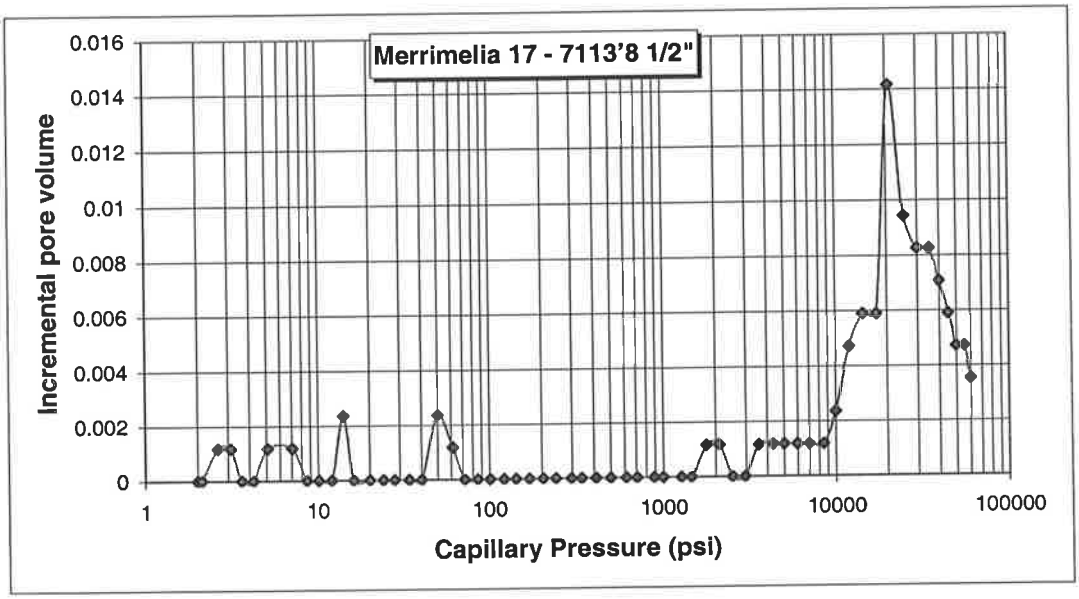
Sample Weight	11.8040
Pen. Weight:	63.6560
Assembly Weight:	221.7800
Hg Surface Tension:	485.0000
Pen. Volume:	15.2670
Stem Volume:	0.3920
Hg Density:	13.5335
Hg volume	10.8117
Sample volume	4.4553
Bulk density	2.6494
Skeletal volume	4.3444
Skeletal density	**2.7171**
Porosity	**2.4905**
% Intrusion	28.3055

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.11	0	0	44.0454	0.00	50.995	0.00
2.62	0.0011804	0.0011804	38.6737	1.06	41.069	1.06
3.1	0.0011804	0.0023608	31.8016	2.13	34.710	1.06
3.6	0	0.0023608	27.1103	2.13	29.889	0.00
4.21	0	0.0023608	23.2975	2.13	25.558	0.00
5.09	0.0011804	0.0035412	19.6326	3.19	21.139	1.06
7.08	0.0011804	0.0047216	15.2671	4.26	15.198	1.06
8.58	0	0.0047216	11.6583	4.26	12.541	0.00
10.08	0	0.0047216	9.758	4.26	10.675	0.00
12	0	0.0047216	8.2551	4.26	8.967	0.00
14.09	0.0023608	0.0070824	6.9768	6.38	7.637	2.13
16.05	0	0.0070824	6.0251	6.38	6.704	0.00
20.03	0	0.0070824	5.074	6.38	5.372	0.00
24.02	0	0.0070824	4.1399	6.38	4.480	0.00
28	0	0.0070824	3.4975	6.38	3.843	0.00
33.98	0	0.0070824	2.9457	6.38	3.167	0.00
39.98	0	0.0070824	2.4616	6.38	2.691	0.00
49.95	0.0023608	0.0094432	2.0361	8.51	2.154	2.13
61.22	0.0011804	0.0106236	1.6438	9.57	1.758	1.06
71.93	0	0.0106236	1.3672	9.57	1.496	0.00
85.42	0	0.0106236	1.1579	9.57	1.260	0.00
100.8	0	0.0106236	0.9779	9.57	1.067	0.00
121.15	0	0.0106236	0.8218	9.57	0.888	0.00
141.55	0	0.0106236	0.6927	9.57	0.760	0.00
169.35	0	0.0106236	0.5864	9.57	0.635	0.00
203.96	0	0.0106236	0.4887	9.57	0.528	0.00
240.81	0	0.0106236	0.4095	9.57	0.447	0.00
296.46	0	0.0106236	0.3403	9.57	0.363	0.00
339.09	0	0.0106236	0.2859	9.57	0.317	0.00
410.73	0	0.0106236	0.2434	9.57	0.262	0.00
499.11	0	0.0106236	0.2007	9.57	0.216	0.00
615.08	0	0.0106236	0.1641	9.57	0.175	0.00
705.71	0	0.0106236	0.1376	9.57	0.152	0.00
889.1	0	0.0106236	0.1149	9.57	0.121	0.00
996.54	0	0.0106236	0.0962	9.57	0.108	0.00
1263.45	0	0.0106236	0.0812	9.57	0.085	0.00
1444.87	0	0.0106236	0.0671	9.57	0.074	0.00
1756.96	0.0011804	0.011804	0.057	10.64	0.061	1.06
2090.11	0.0011804	0.0129844	0.0474	11.70	0.051	1.06
2503.6	0	0.0129844	0.0397	11.70	0.043	0.00
2966.77	0	0.0129844	0.0333	11.70	0.036	0.00

3545.09	0.0011804	0.0141648	0.028	12.77	0.030	1.06
4303.8	0.0011804	0.0153452	0.0233	13.83	0.025	1.06
4999.26	0.0011804	0.0165256	0.0196	14.89	0.022	1.06
5981	0.0011804	0.017706	0.0166	15.96	0.018	1.06
6973.39	0.0011804	0.0188864	0.014	17.02	0.015	1.06
8481.15	0.0011804	0.0200668	0.0118	18.09	0.013	1.06
9999.9	0.0023608	0.0224276	0.0099	20.21	0.011	2.13
11964.78	0.0047216	0.0271492	0.0083	24.47	0.009	4.26
14437.21	0.005902	0.0330512	0.0069	29.79	0.007	5.32
17345.86	0.005902	0.0389532	0.0057	35.11	0.006	5.32
20712.99	0.0141648	0.053118	0.0048	47.87	0.005	12.77
24897.25	0.0094432	0.0625612	0.004	56.38	0.004	8.51
29852.8	0.0082628	0.070824	0.0033	63.83	0.004	7.45
34864.8	0.0082628	0.0790868	0.0028	71.28	0.003	7.45
39841.68	0.0070824	0.0861692	0.0024	77.66	0.003	6.38
44878.55	0.005902	0.0920712	0.0021	82.98	0.002	5.32
49901.59	0.0047216	0.0967928	0.0019	87.23	0.002	4.26
54988.89	0.0047216	0.1015144	0.0017	91.49	0.002	4.26
59787.98	0.0035412	0.1050556	0.0016	94.68	0.002	3.19
54514.58	0.0035412	0.1085968	0.0016	97.87	0.002	3.19
49658.26	0.0011804	0.1097772	0.0017	98.94	0.002	1.06
44735.57	0.0011804	0.1109576	0.0019	100.00	0.002	1.06
39855.85	0	0.1109576	0.0021	100.00	0.003	0.00
34740.79	0	0.1109576	0.0024	100.00	0.003	0.00
30057.72	0	0.1109576	0.0028	100.00	0.004	0.00
20026.08	-0.0023608	0.1085968	0.0038	97.87	0.005	2.13
17980.22	-0.0011804	0.1074164	0.0048	96.81	0.006	1.06
14976.39	-0.0011804	0.106236	0.0055	95.74	0.009	1.06
12532.3	-0.0011804	0.1050556	0.0066	94.68	0.011	1.06
10048.11	-0.0023608	0.1026948	0.0081	92.55	0.014	2.13
8519.79	-0.0023608	0.100334	0.0098	90.43	0.016	2.13
7409.21	-0.0023608	0.0979732	0.0114	88.30	0.019	2.13
6227.3	-0.0023608	0.0956124	0.0134	86.17	0.023	2.13
5103.59	-0.0011804	0.094432	0.0161	85.11	0.028	1.06
4261.71	-0.0011804	0.0932516	0.0195	84.04	0.033	1.06
3597.47	-0.0011804	0.0920712	0.0232	82.98	0.039	1.06
2997.85	-0.0011804	0.0908908	0.0277	81.91	0.047	1.06
2482.49	-0.0011804	0.0897104	0.0333	80.85	0.057	1.06
2085.94	-0.0011804	0.08853	0.0399	79.79	0.067	1.06
1615.31	0	0.08853	0.0497	79.79	0.087	0.00
1250.67	-0.0011804	0.0873496	0.0641	78.72	0.112	1.06
971.07	-0.0011804	0.0861692	0.0827	77.66	0.145	1.06
761.09	-0.0011804	0.0849888	0.106	76.60	0.185	1.06
607.81	0	0.0849888	0.1338	76.60	0.231	0.00
464.58	0	0.0849888	0.1717	76.60	0.302	0.00
373.36	0	0.0849888	0.2184	76.60	0.376	0.00
290.55	-0.0011804	0.0838084	0.2767	75.53	0.483	1.06
228.3	0	0.0838084	0.3537	75.53	0.615	0.00
177.98	0	0.0838084	0.4521	75.53	0.789	0.00
139.12	0	0.0838084	0.5791	75.53	1.010	0.00
108.43	-0.0011804	0.082628	0.742	74.47	1.295	1.06
84.98	0	0.082628	0.9491	74.47	1.653	0.00
65.42	0	0.082628	1.2232	74.47	2.147	0.00
51.19	0	0.082628	1.5743	74.47	2.744	0.00
39.42	-0.0011804	0.0814476	2.0302	73.40	3.563	1.06
31.49	-0.0011804	0.0802672	2.5831	72.34	4.460	1.06
24.7	-0.0011804	0.0790868	3.2669	71.28	5.686	1.06
18.84	-0.0082628	0.070824	4.2648	63.83	7.455	7.45
14.79	-0.005902	0.064922	5.4584	58.51	9.497	5.32
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00
0	0	0.064922	0	58.51	#DIV/0!	0.00


Merrimelia 17 - 7113'8 1/2"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury saturation (%)


Pore Throat Size Distribution
Merrimelia 17 - 7113'8 1/2"
Relative Pore Volume
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 17 - 7113'8 1/2"
Incremental pore volume
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

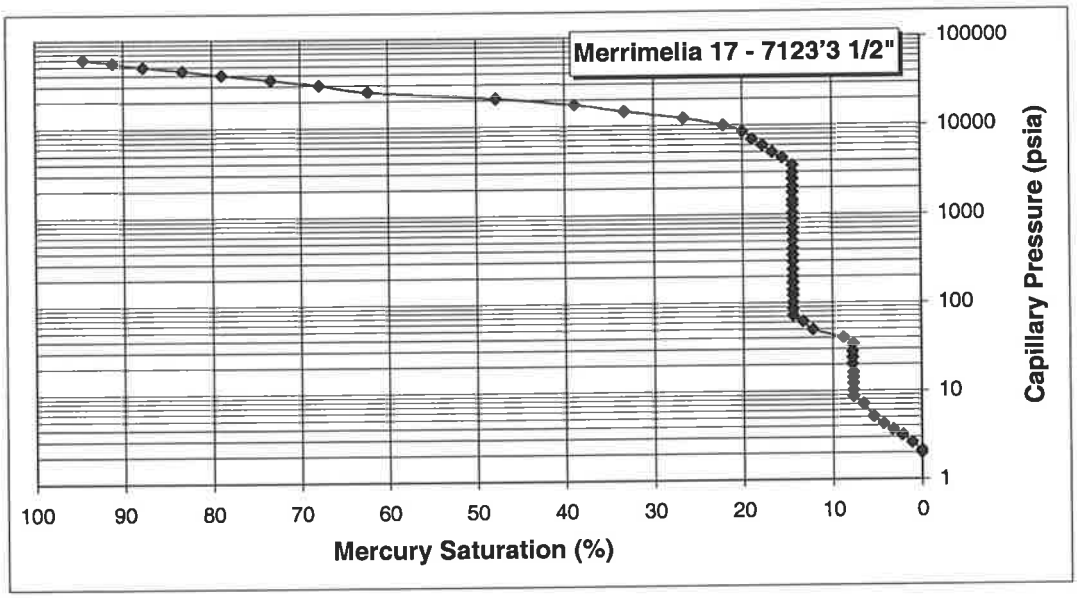
Sample **Merimelia 17 7123'3.5**

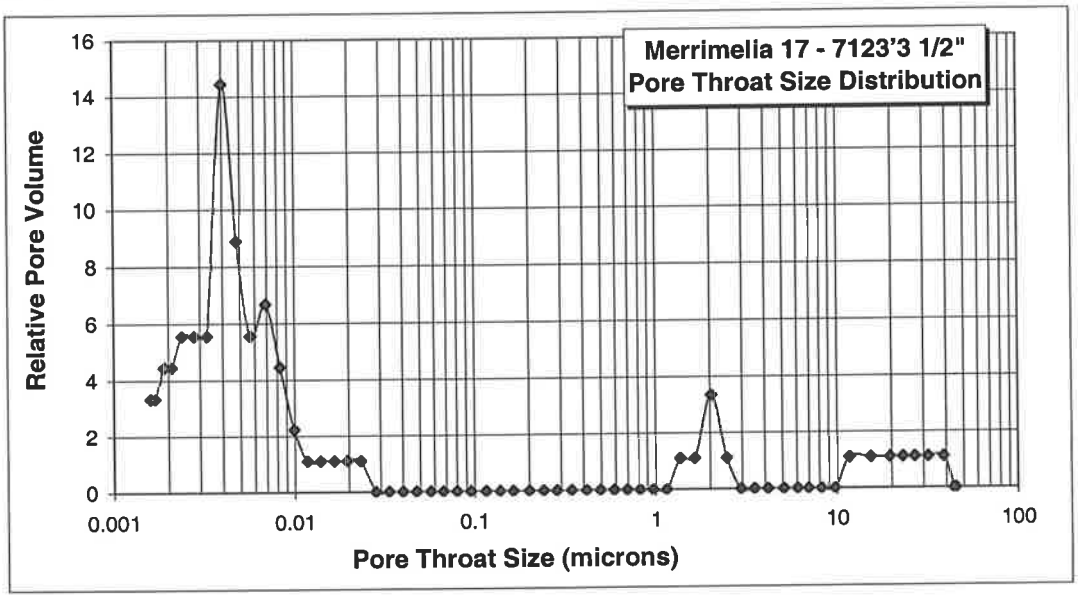
Date February 3, 2000

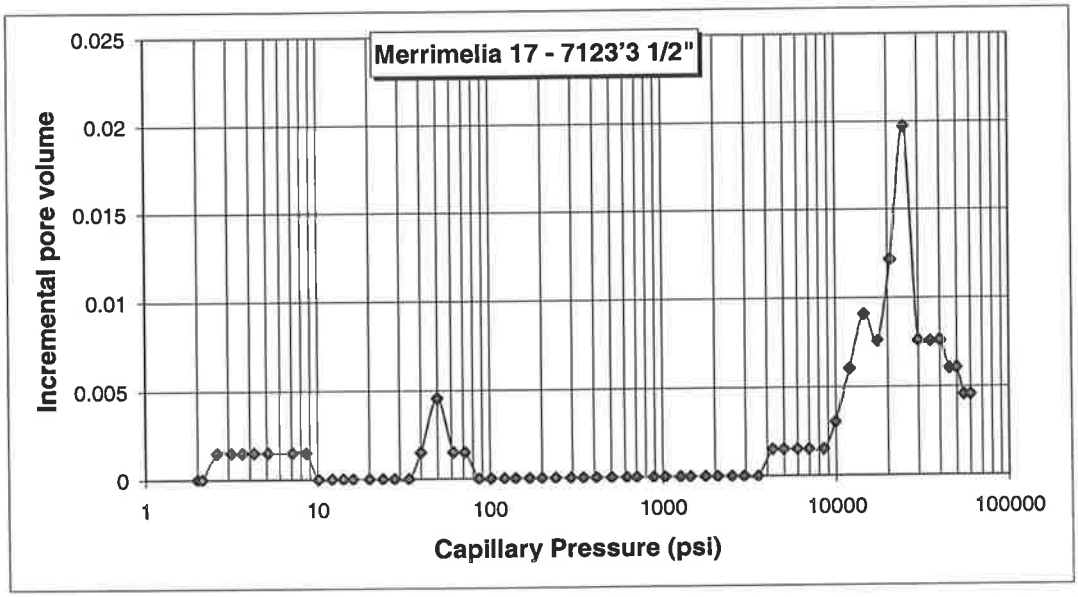
Sample Weight	15.1950
Pen. Weight:	63.1180
Assembly Weight:	205.2580
Hg Surface Tension:	485.0000
Pen. Volume:	15.1260
Stem Volume:	0.3920
Hg Density:	13.5335
Hg volume	9.3801
Sample volume	5.7459
Bulk density	2.6445
Skeletal volume	5.6092
Skeletal density	**2.7089**
Porosity	**2.3800**
% Intrusion	34.8865

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.12	0	0	43.9821	0.00	50.755	0.00
2.61	0.0015195	0.0015195	38.6719	1.11	41.226	1.11
3.14	0.0015195	0.003039	31.7029	2.22	34.268	1.11
3.64	0.0015195	0.0045585	26.8437	3.33	29.560	1.11
4.23	0.0015195	0.006078	23.1252	4.44	25.437	1.11
5.12	0.0015195	0.0075975	19.5236	5.56	21.016	1.11
7.11	0.0015195	0.009117	15.1983	6.67	15.134	1.11
8.61	0.0015195	0.0106365	11.616	7.78	12.497	1.11
10.09	0	0.0106365	9.7364	7.78	10.664	0.00
12.1	0	0.0106365	8.2198	7.78	8.893	0.00
14.07	0	0.0106365	6.9515	7.78	7.647	0.00
16.06	0	0.0106365	6.0292	7.78	6.700	0.00
20.03	0	0.0106365	5.0728	7.78	5.372	0.00
24.02	0	0.0106365	4.1392	7.78	4.480	0.00
27.99	0	0.0106365	3.4975	7.78	3.844	0.00
33.98	0	0.0106365	2.9462	7.78	3.167	0.00
39.98	0.0015195	0.012156	2.4618	8.89	2.691	1.11
49.95	0.0045585	0.0167145	2.0362	12.22	2.154	3.33
61.51	0.0015195	0.018234	1.6403	13.33	1.749	1.11
71.63	0.0015195	0.0197535	1.3663	14.44	1.502	1.11
86.4	0	0.0197535	1.1546	14.44	1.245	0.00
101.14	0	0.0197535	0.9704	14.44	1.064	0.00
121.58	0	0.0197535	0.819	14.44	0.885	0.00
140.87	0	0.0197535	0.6929	14.44	0.764	0.00
169.48	0	0.0197535	0.5878	14.44	0.635	0.00
199.83	0	0.0197535	0.4931	14.44	0.538	0.00
239.6	0	0.0197535	0.415	14.44	0.449	0.00
293.92	0	0.0197535	0.3426	14.44	0.366	0.00
346.98	0	0.0197535	0.2842	14.44	0.310	0.00
412.27	0	0.0197535	0.24	14.44	0.261	0.00
501.41	0	0.0197535	0.1999	14.44	0.215	0.00
614.68	0	0.0197535	0.1637	14.44	0.175	0.00
705.05	0	0.0197535	0.1377	14.44	0.153	0.00
884.03	0	0.0197535	0.1153	14.44	0.122	0.00
1030.94	0	0.0197535	0.095	14.44	0.104	0.00
1262.87	0	0.0197535	0.0797	14.44	0.085	0.00

1439.35	0	0.0197535	0.0672	14.44	0.075	0.00
1764.05	0	0.0197535	0.057	14.44	0.061	0.00
2065.82	0	0.0197535	0.0475	14.44	0.052	0.00
2500.42	0	0.0197535	0.04	14.44	0.043	0.00
2943.57	0	0.0197535	0.0334	14.44	0.037	0.00
3531.37	0	0.0197535	0.0282	14.44	0.030	0.00
4305.42	0.0015195	0.021273	0.0233	15.56	0.025	1.11
4983.52	0.0015195	0.0227925	0.0196	16.67	0.022	1.11
5986.56	0.0015195	0.024312	0.0166	17.78	0.018	1.11
6974.34	0.0015195	0.0258315	0.014	18.89	0.015	1.11
8468.95	0.0015195	0.027351	0.0118	20.00	0.013	1.11
9956.82	0.003039	0.03039	0.0099	22.22	0.011	2.22
11961.08	0.006078	0.036468	0.0083	26.67	0.009	4.44
14444.12	0.009117	0.045585	0.0069	33.33	0.007	6.67
17370.14	0.0075975	0.0531825	0.0057	38.89	0.006	5.56
20721.69	0.012156	0.0653385	0.0048	47.78	0.005	8.89
24893.41	0.0197535	0.085092	0.004	62.22	0.004	14.44
29858.2	0.0075975	0.0926895	0.0033	67.78	0.004	5.56
34944.38	0.0075975	0.100287	0.0028	73.33	0.003	5.56
39949.64	0.0075975	0.1078845	0.0024	78.89	0.003	5.56
44869.02	0.006078	0.1139625	0.0021	83.33	0.002	4.44
49899.15	0.006078	0.1200405	0.0019	87.78	0.002	4.44
54945.26	0.0045585	0.124599	0.0017	91.11	0.002	3.33
59987.12	0.0045585	0.1291575	0.0016	94.44	0.002	3.33
54564.28	0.0045585	0.133716	0.0016	97.78	0.002	3.33
49556.74	0.0015195	0.1352355	0.0017	98.89	0.002	1.11
44845.6	0.0015195	0.136755	0.0019	100.00	0.002	1.11
39891.33	0	0.136755	0.0021	100.00	0.003	0.00
35117.73	0	0.136755	0.0024	100.00	0.003	0.00
30042.81	0	0.136755	0.0028	100.00	0.004	0.00
20004.08	-0.0015195	0.1352355	0.0038	98.89	0.005	-1.11
18015.36	0	0.1352355	0.0048	98.89	0.006	0.00
15024.31	-0.0015195	0.133716	0.0055	97.78	0.009	-1.11
12512.07	-0.0015195	0.1321965	0.0066	96.67	0.011	1.11
10026.46	-0.0015195	0.130677	0.0081	95.56	0.014	1.11
8529.36	-0.0015195	0.1291575	0.0098	94.44	0.016	1.11
7427.3	-0.0015195	0.127638	0.0114	93.33	0.019	1.11
6214.15	-0.0015195	0.1261185	0.0134	92.22	0.023	1.11
5109.97	-0.0015195	0.124599	0.0161	91.11	0.027	1.11
4267.19	-0.0015195	0.1230795	0.0194	90.00	0.033	1.11
3589.8	-0.0015195	0.12156	0.0232	88.89	0.039	1.11
2987.1	-0.0015195	0.1200405	0.0277	87.78	0.047	1.11
2477.69	-0.0015195	0.118521	0.0334	86.67	0.057	1.11
2080.98	0	0.118521	0.04	86.67	0.067	0.00
1605.47	-0.0015195	0.1170015	0.0499	85.56	0.087	1.11
1273.17	0	0.1170015	0.0637	85.56	0.110	0.00
991.58	0	0.1170015	0.0811	85.56	0.142	0.00
760.38	-0.0015195	0.115482	0.1051	84.44	0.185	1.11
599.66	0	0.115482	0.1349	84.44	0.234	0.00
455.61	0	0.115482	0.1746	84.44	0.308	0.00
370.91	0	0.115482	0.2211	84.44	0.379	0.00
291.13	-0.003039	0.112443	0.2772	82.22	0.482	2.22
227.47	0	0.112443	0.3541	82.22	0.617	0.00
177.18	-0.0015195	0.1109235	0.454	81.11	0.793	1.11
138.86	0	0.1109235	0.5808	81.11	1.011	0.00
108.49	0	0.1109235	0.7424	81.11	1.295	0.00
83.43	-0.0015195	0.109404	0.9588	80.00	1.684	1.11
65.5	0	0.109404	1.2323	80.00	2.144	0.00
51.3	0	0.109404	1.5717	80.00	2.738	0.00
40.29	0	0.109404	2.0036	80.00	3.486	0.00
24.48	0	0.109404	2.6033	80.00	5.738	0.00
18.9	-0.0015195	0.1078845	3.3282	78.89	7.432	1.11
14.81	0	0.1078845	4.2389	78.89	9.484	0.00


Merrimelia 17 - 7123'3 1/2"
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 17 - 7123'3 1/2"
Pore Throat Size Distribution
Relative Pore Volume
16
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 17 - 7123'3 1/2"
Incremental pore volume
0.025
0.02
0.015
0.01
0.005
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

Sample **Merimelia 29 - 7100'**

Date February 3, 2000

Sample Weight	10.0120
Pen. Weight:	61.5570
Assembly Weight:	224.3060
Hg Surface Tension:	485.0000
Pen. Volume:	15.9210
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	11.2858
Sample volume	4.6352
Bulk density	2.1600
Skeletal volume	3.8712
Skeletal density	**2.5863**
Porosity	**16.4809**
% Intrusion	67.5434

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
2	0	0	45.2159	0.00	53.800	0.00
2.12	0.0010012	0.0010012	43.9306	0.13	50.755	0.13
2.62	0.0030036	0.0040048	38.5861	0.52	41.069	0.39
3.12	0.0030036	0.0070084	31.7347	0.92	34.487	0.39
3.61	0.0030036	0.010012	26.9816	1.31	29.806	0.39
4.21	0.005006	0.015018	23.2529	1.97	25.558	0.66
5.11	0.010012	0.02503	19.5982	3.28	21.057	1.31
7.1	0.080096	0.105126	15.2254	13.76	15.155	10.48
8.59	0.130156	0.235282	11.6317	30.80	12.526	17.04
10.09	0.0640768	0.2993588	9.7452	39.19	10.664	8.39
12.09	0.0530636	0.3524224	8.224	46.13	8.900	6.95
14.06	0.0320384	0.3844608	6.9566	50.33	7.653	4.19
16.05	0.0230276	0.4074884	6.0322	53.34	6.704	3.01
20.03	0.0330396	0.440528	5.0738	57.67	5.372	4.33
24.03	0.0270324	0.4675604	4.1393	61.21	4.478	3.54
28	0.0240288	0.4915892	3.4965	64.35	3.843	3.15
34	0.0320384	0.5236276	2.9445	68.55	3.165	4.19
39.96	0.0260312	0.5496588	2.4613	71.95	2.693	3.41
49.96	0.035042	0.5847008	2.0366	76.54	2.154	4.59
60.08	0.0210252	0.605726	1.6577	79.29	1.791	2.75
70.3	0.0170204	0.6227464	1.3958	81.52	1.531	2.23
85.74	0.0170204	0.6397668	1.1706	83.75	1.255	2.23
100.77	0.0140168	0.6537836	0.9761	85.58	1.068	1.83
119.68	0.0140168	0.6678004	0.8265	87.42	0.899	1.83
140.15	0.0120144	0.6798148	0.7004	88.99	0.768	1.57
169.78	0.0140168	0.6938316	0.589	90.83	0.634	1.83
199.45	0.0120144	0.705846	0.493	92.40	0.539	1.57
240.53	0.0130156	0.7188616	0.4147	94.10	0.447	1.70
293.01	0.0130156	0.7318772	0.3423	95.81	0.367	1.70
343.39	0.010012	0.7418892	0.286	97.12	0.313	1.31
408.01	0.010012	0.7519012	0.2425	98.43	0.264	1.31
500.18	0.0040048	0.755906	0.2012	98.95	0.215	0.52
618.56	0	0.755906	0.1635	98.95	0.174	0.00
708.12	0	0.755906	0.137	98.95	0.152	0.00
876.38	0	0.755906	0.1154	98.95	0.123	0.00
1043.17	0	0.755906	0.0949	98.95	0.103	0.00
1263.58	0	0.755906	0.0791	98.95	0.085	0.00
1432.92	0	0.755906	0.0673	98.95	0.075	0.00
1758.77	0	0.755906	0.0573	98.95	0.061	0.00
2083.32	0	0.755906	0.0474	98.95	0.052	0.00
2513.71	0	0.755906	0.0397	98.95	0.043	0.00
2956.96	0	0.755906	0.0333	98.95	0.036	0.00

3567.25	0	0.755906	0.028	98.95	0.030	0.00
4291.53	0	0.755906	0.0232	98.95	0.025	0.00
4992.89	0	0.755906	0.0196	98.95	0.022	0.00
5972.16	0.0010012	0.7569072	0.0166	99.08	0.018	0.13
6969.18	0	0.7569072	0.0141	99.08	0.015	0.00
8482.29	0.0010012	0.7579084	0.0118	99.21	0.013	0.13
9990.06	0	0.7579084	0.0099	99.21	0.011	0.00
11946.48	0.0010012	0.7589096	0.0083	99.34	0.009	0.13
14433.18	0.0010012	0.7599108	0.0069	99.48	0.007	0.13
17418.21	0.0010012	0.760912	0.0057	99.61	0.006	0.13
20762.79	0.0010012	0.7619132	0.0048	99.74	0.005	0.13
24889.31	0	0.7619132	0.004	99.74	0.004	0.00
29916.67	0.0010012	0.7629144	0.0033	99.87	0.004	0.13
34915.98	0.0010012	0.7639156	0.0028	100.00	0.003	0.13
39968.19	0	0.7639156	0.0024	100.00	0.003	0.00
44954.37	0	0.7639156	0.0021	100.00	0.002	0.00
50052.72	0	0.7639156	0.0019	100.00	0.002	0.00
55002	0	0.7639156	0.0017	100.00	0.002	0.00
59886.32	0	0.7639156	0.0016	100.00	0.002	0.00
54720.87	0	0.7639156	0.0016	100.00	0.002	0.00
49799.27	0	0.7639156	0.0017	100.00	0.002	0.00
44443.94	-0.0010012	0.7629144	0.0019	99.87	0.002	0.13
39849.95	0	0.7629144	0.0022	99.87	0.003	0.00
34779.99	0	0.7629144	0.0024	99.87	0.003	0.00
30029.84	0	0.7629144	0.0028	99.87	0.004	0.00
20010.26	-0.0010012	0.7619132	0.0038	99.74	0.005	0.13
17947.35	0	0.7619132	0.0048	99.74	0.006	0.00
15065.6	0	0.7619132	0.0055	99.74	0.009	0.00
12496.91	0	0.7619132	0.0066	99.74	0.011	0.00
10029.02	0	0.7619132	0.0081	99.74	0.014	0.00
8526.22	-0.0010012	0.760912	0.0098	99.61	0.016	0.13
7418.46	0	0.760912	0.0114	99.61	0.019	0.00
6217.71	-0.0010012	0.7599108	0.0134	99.48	0.023	0.13
5119.18	-0.0010012	0.7589096	0.0161	99.34	0.027	0.13
4230.51	-0.0010012	0.7579084	0.0195	99.21	0.033	0.13
3593.26	-0.0010012	0.7569072	0.0233	99.08	0.039	0.13
2983.6	0	0.7569072	0.0277	99.08	0.047	0.00
2455.2	0	0.7569072	0.0336	99.08	0.057	0.00
2087.44	0	0.7569072	0.0401	99.08	0.067	0.00
1602.16	-0.0010012	0.755906	0.0499	98.95	0.088	0.13
1247.5	0	0.755906	0.0645	98.95	0.113	0.00
975	-0.0010012	0.7549048	0.0826	98.82	0.144	0.13
770.98	0	0.7549048	0.105	98.82	0.182	0.00
603.43	0	0.7549048	0.1336	98.82	0.233	0.00
477.22	0	0.7549048	0.1697	98.82	0.294	0.00
371.73	-0.0010012	0.7539036	0.2164	98.69	0.378	0.13
291.76	0	0.7539036	0.2766	98.69	0.481	0.00
228.13	-0.0020024	0.7519012	0.3532	98.43	0.616	0.26
178.15	-0.0090108	0.7428904	0.452	97.25	0.788	1.18
138.81	-0.0130156	0.7298748	0.5796	95.54	1.012	1.70
107.44	-0.0170204	0.7128544	0.7466	93.32	1.307	2.23
84.75	-0.015018	0.6978364	0.9544	91.35	1.657	1.97
65.97	-0.0170204	0.680816	1.2189	89.12	2.129	2.23
51.62	-0.0180216	0.6627944	1.5613	86.76	2.721	2.36
39.89	-0.020024	0.6427704	2.0094	84.14	3.521	2.62
30.82	-0.0220264	0.620744	2.6007	81.26	4.557	2.88
24.53	-0.0240288	0.5967152	3.3104	78.11	5.726	3.15
18.81	-0.0290348	0.5676804	4.2464	74.31	7.467	3.80
14.77	-0.0320384	0.535642	5.4637	70.12	9.510	4.19
0	0	0.535642	0	70.12	#DIV/0!	0.00
0	0	0.535642	0	70.12	#DIV/0!	0.00
0	0	0.535642	0	70.12	#DIV/0!	0.00
0	0	0.535642	0	70.12	#DIV/0!	0.00
0	0	0.535642	0	70.12	#DIV/0!	0.00
0	0	0.535642	0	70.12	#DIV/0!	0.00
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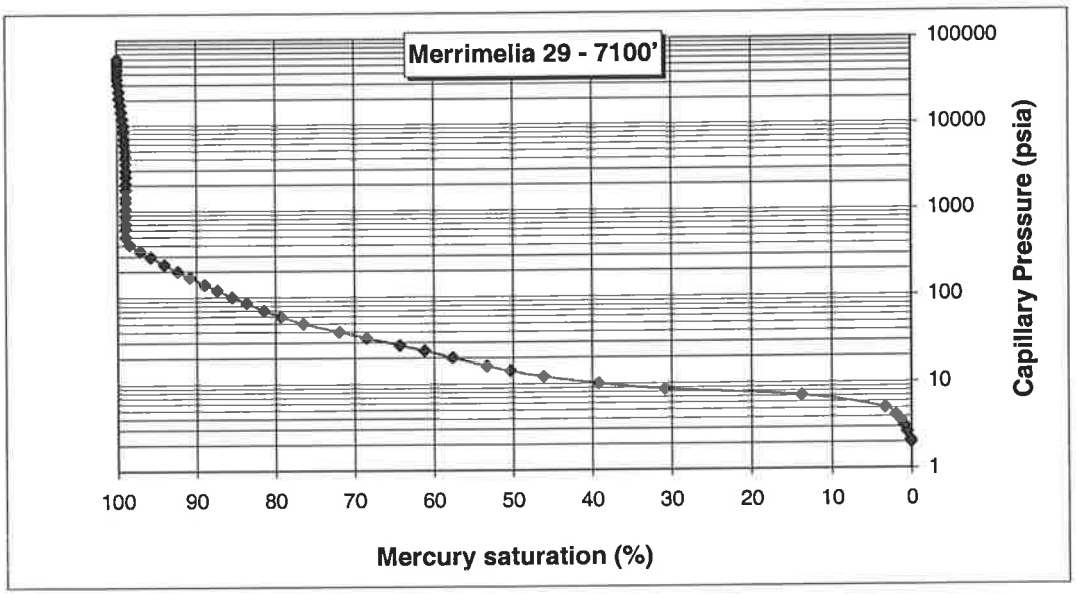
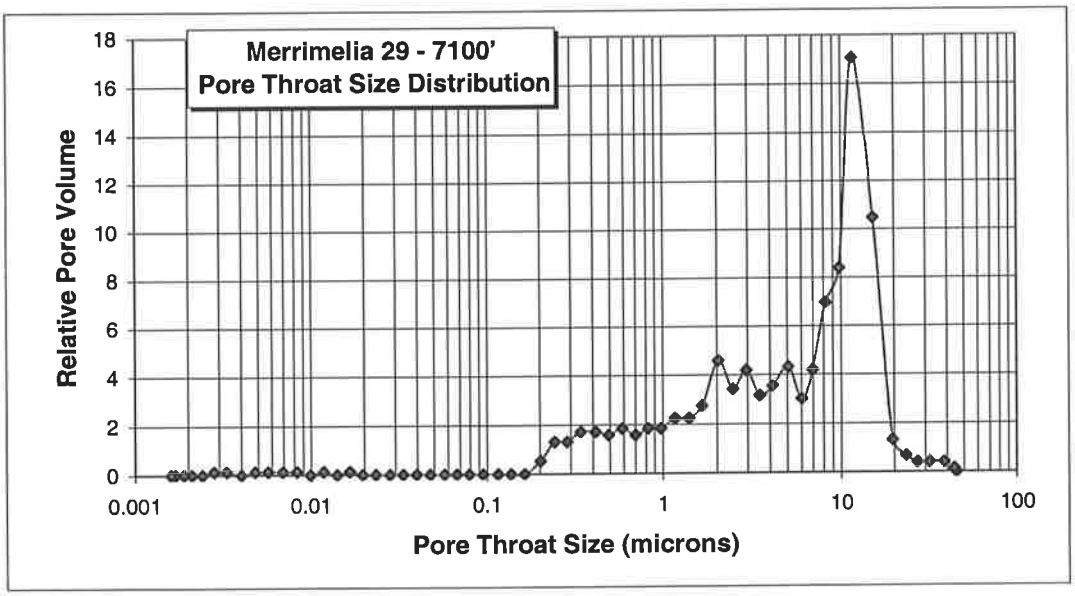
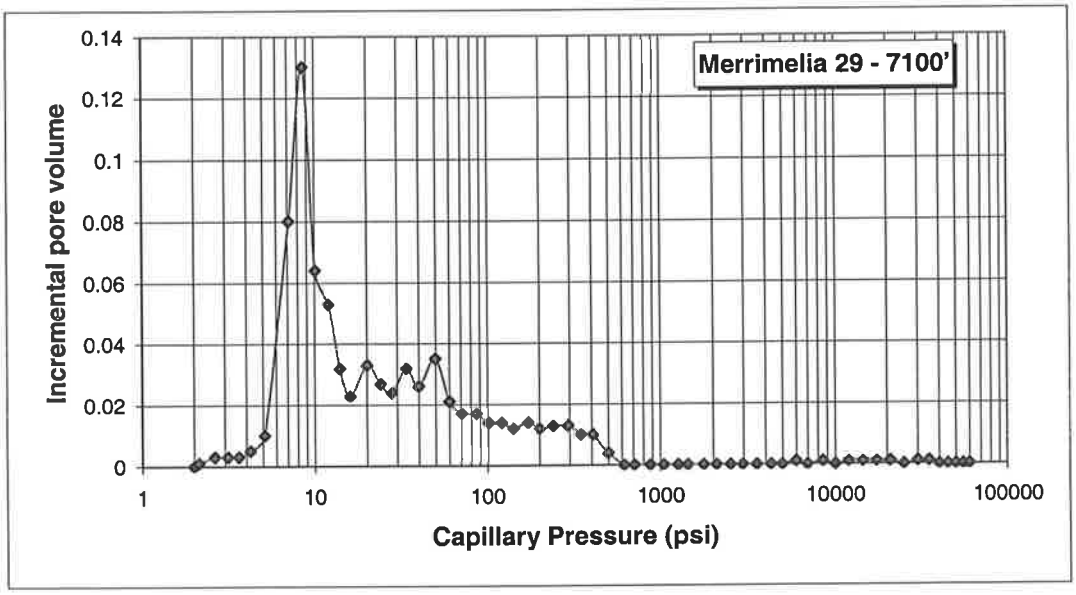

Merrimelia 29 - 7100'
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury saturation (%)


Merrimelia 29 - 7100'
Pore Throat Size Distribution
Relative Pore Volume
18
16
14
12
10
8
6
4
2
0
0.001
0.01
0.1
1
10
100
Pore Throat Size (microns)


Merrimelia 29 - 7100'
Incremental pore volume
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
1
10
100
1000
10000
100000
Capillary Pressure (psi)

Sample **Merimelia 29 - 7104'**

Date February 3, 2000

Sample Weight	12.8280
Pen. Weight:	61.1390
Assembly Weight:	217.0980
Hg Surface Tension:	485.0000
Pen. Volume:	15.8800
Stem Volume:	1.1310
Hg Density:	13.5335
Hg volume	10.5761
Sample volume	5.3039
Bulk density	2.4186
Skeletal volume	4.7344
Skeletal density	**2.7095**
Porosity	**10.7385**
% Intrusion	50.3593

Pressure (psia)	Incremental pore volume	Cumulative pore volume	Pore Throat Size	% Hg Inj		Pore volume
0.58	0	0	156.1297	0.00	185.517	0.00
2.12	0.0153936	0.0153936	99.4014	2.70	50.755	2.70
2.61	0.0012828	0.0166764	38.6811	2.93	41.226	0.23
3.14	0.0012828	0.0179592	31.766	3.15	34.268	0.23
3.62	0.0012828	0.019242	26.9175	3.38	29.724	0.23
4.22	0.0012828	0.0205248	23.2034	3.60	25.498	0.23
5.1	0.0012828	0.0218076	19.5691	3.83	21.098	0.23
7.11	0.0025656	0.0243732	15.2182	4.28	15.134	0.45
8.6	0.0012828	0.025656	11.6132	4.50	12.512	0.23
10.06	0.0012828	0.0269388	9.75	4.73	10.696	0.23
12.08	0.0012828	0.0282216	8.2348	4.95	8.907	0.23
14.05	0.0012828	0.0295044	6.9599	5.18	7.658	0.23
16.03	0.0012828	0.0307872	6.0384	5.41	6.712	0.23
20.04	0.0012828	0.03207	5.076	5.63	5.369	0.23
24.02	0.0012828	0.0333528	4.1385	5.86	4.480	0.23
28.01	0.0012828	0.0346356	3.4967	6.08	3.841	0.23
33.99	0.0012828	0.0359184	2.9443	6.31	3.166	0.23
39.97	0.0012828	0.0372012	2.4614	6.53	2.692	0.23
49.96	0.0051312	0.0423324	2.0363	7.43	2.154	0.90
61.11	0.0012828	0.0436152	1.645	7.66	1.761	0.23
70.5	0.0012828	0.044898	1.3812	7.88	1.526	0.23
85.71	0.0025656	0.0474636	1.1689	8.33	1.255	0.45
100.9	0.0025656	0.0500292	0.9757	8.78	1.066	0.45
121.06	0.0038484	0.0538776	0.8216	9.46	0.889	0.68
140.28	0.0076968	0.0615744	0.6958	10.81	0.767	1.35
170.47	0.0372012	0.0987756	0.5876	17.34	0.631	6.53
199.39	0.0679884	0.166764	0.492	29.28	0.540	11.94
241.05	0.0500292	0.2167932	0.4143	38.06	0.446	8.78
290.17	0.0346356	0.2514288	0.3434	44.14	0.371	6.08
339.89	0.025656	0.2770848	0.2889	48.65	0.317	4.50
411.65	0.0282216	0.3053064	0.2429	53.60	0.261	4.95
489.16	0.0243732	0.3296796	0.2023	57.88	0.220	4.28
596.3	0.025656	0.3553356	0.1683	62.39	0.180	4.50
710.97	0.0205248	0.3758604	0.1394	65.99	0.151	3.60
890.98	0.0243732	0.4002336	0.1143	70.27	0.121	4.28
1007.77	0.0115452	0.4117788	0.0956	72.30	0.107	2.03
1256.32	0.0205248	0.4323036	0.0809	75.90	0.086	3.60
1437.78	0.0115452	0.4438488	0.0674	77.93	0.075	2.03
1749.55	0.0153936	0.4592424	0.0573	80.63	0.062	2.70
2054.18	0.0115452	0.4707876	0.0479	82.66	0.052	2.03
2470.94	0.012828	0.4836156	0.0403	84.91	0.044	2.25
2941.54	0.0102624	0.493878	0.0337	86.71	0.037	1.80

3551.39	0.0102624	0.5041404	0.0281	88.51	0.030	1.80
4277.75	0.0089796	0.51312	0.0233	90.09	0.025	1.58
4990.79	0.0076968	0.5208168	0.0196	91.44	0.022	1.35
5979.62	0.0076968	0.5285136	0.0166	92.79	0.018	1.35
6978.74	0.0051312	0.5336448	0.014	93.69	0.015	0.90
8467.69	0.006414	0.5400588	0.0118	94.82	0.013	1.13
9958.05	0.0051312	0.54519	0.0099	95.72	0.011	0.90
11951.01	0.0051312	0.5503212	0.0083	96.62	0.009	0.90
14452.25	0.0051312	0.5554524	0.0069	97.52	0.007	0.90
17374.79	0.0038484	0.5593008	0.0057	98.20	0.006	0.68
20708.37	0.0025656	0.5618664	0.0048	98.65	0.005	0.45
24881.37	0.0025656	0.564432	0.004	99.10	0.004	0.45
29857.61	0.0025656	0.5669976	0.0033	99.55	0.004	0.45
34952.4	0.0012828	0.5682804	0.0028	99.77	0.003	0.23
40008.51	0.0012828	0.5695632	0.0024	100.00	0.003	0.23
44827.16	0	0.5695632	0.0021	100.00	0.002	0.00
49837.13	0	0.5695632	0.0019	100.00	0.002	0.00
54862.37	0	0.5695632	0.0017	100.00	0.002	0.00
59921.32	0	0.5695632	0.0016	100.00	0.002	0.00
54787.11	0	0.5695632	0.0016	100.00	0.002	0.00
49556.71	0	0.5695632	0.0017	100.00	0.002	0.00
44806.89	0	0.5695632	0.0019	100.00	0.002	0.00
40030.82	0	0.5695632	0.0021	100.00	0.003	0.00
34783.04	-0.0012828	0.5682804	0.0024	99.77	0.003	0.23
30113.45	0	0.5682804	0.0028	99.77	0.004	0.00
20000.52	-0.0012828	0.5669976	0.0038	99.55	0.005	0.23
17999.02	0	0.5669976	0.0048	99.55	0.006	0.00
15059.77	-0.0012828	0.5657148	0.0055	99.32	0.009	0.23
12475.47	-0.0012828	0.564432	0.0066	99.10	0.011	0.23
10024.98	-0.0025656	0.5618664	0.0081	98.65	0.014	0.45
8529.29	-0.0038484	0.558018	0.0098	97.97	0.016	0.68
7431.11	-0.0012828	0.5567352	0.0114	97.75	0.019	0.23
6199.85	-0.0038484	0.5528868	0.0134	97.07	0.023	0.68
5115.88	-0.0025656	0.5503212	0.0161	96.62	0.027	0.45
4252.77	-0.0038484	0.5464728	0.0195	95.95	0.033	0.68
3567.56	-0.0038484	0.5426244	0.0233	95.27	0.039	0.68
2973.79	-0.0038484	0.538776	0.0279	94.59	0.047	0.68
2465.32	-0.0038484	0.5349276	0.0335	93.92	0.057	0.68
2077.38	-0.0051312	0.5297964	0.0401	93.02	0.068	0.90
1609.91	-0.0076968	0.5220996	0.0499	91.67	0.087	1.35
1248.91	-0.0089796	0.51312	0.0643	90.09	0.112	1.58
1001.85	-0.0076968	0.5054232	0.0813	88.74	0.140	1.35
776.39	-0.0102624	0.4951608	0.1034	86.94	0.181	1.80
604.32	-0.0115452	0.4836156	0.1331	84.91	0.232	2.03
467.18	-0.012828	0.4707876	0.1716	82.66	0.301	2.25
372.34	-0.0115452	0.4592424	0.2182	80.63	0.377	2.03
290.27	-0.0141108	0.4451316	0.2772	78.15	0.484	2.48
227.39	-0.0179592	0.4271724	0.3546	75.00	0.618	3.15
177.75	-0.0141108	0.4130616	0.4532	72.52	0.790	2.48
139.06	-0.0166764	0.3963852	0.5795	69.59	1.010	2.93
107.43	-0.0179592	0.378426	0.746	66.44	1.307	3.15
84.61	-0.0153936	0.3630324	0.9553	63.74	1.660	2.70
65.34	-0.0166764	0.346356	1.2265	60.81	2.150	2.93
51.59	-0.0153936	0.3309624	1.5686	58.11	2.723	2.70
40.2	-0.0141108	0.3168516	2.0012	55.63	3.494	2.48
31.05	-0.0141108	0.3027408	2.581	53.15	4.524	2.48
24.25	-0.0102624	0.2924784	3.3207	51.35	5.792	1.80
18.84	-0.0089796	0.2834988	4.2648	49.77	7.455	1.58
14.79	-0.006414	0.2770848	5.4584	48.65	9.497	1.13
0	0	0.2770848	0	48.65	#DIV/0!	0.00
0	0	0.2770848	0	48.65	#DIV/0!	0.00
0	0	0.2770848	0	48.65	#DIV/0!	0.00
0	0	0.2770848	0	48.65	#DIV/0!	0.00
0	0	0.2770848	0	48.65	#DIV/0!	0.00
0	0	0.2770848	0	48.65	#DIV/0!	0.00
0	0	0.2770848	0	48.65	#DIV/0!	0.00
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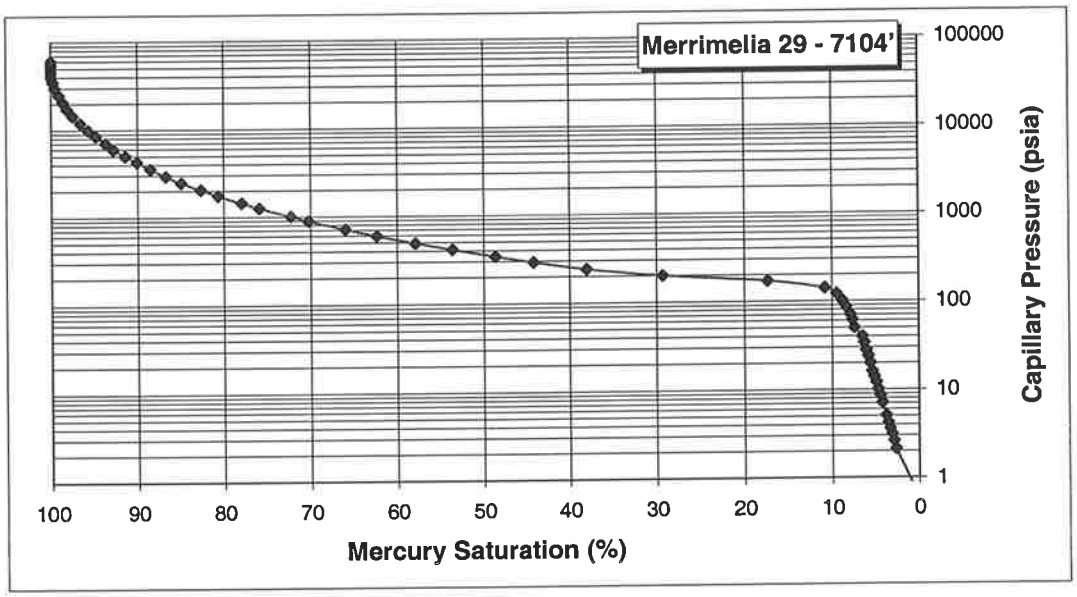
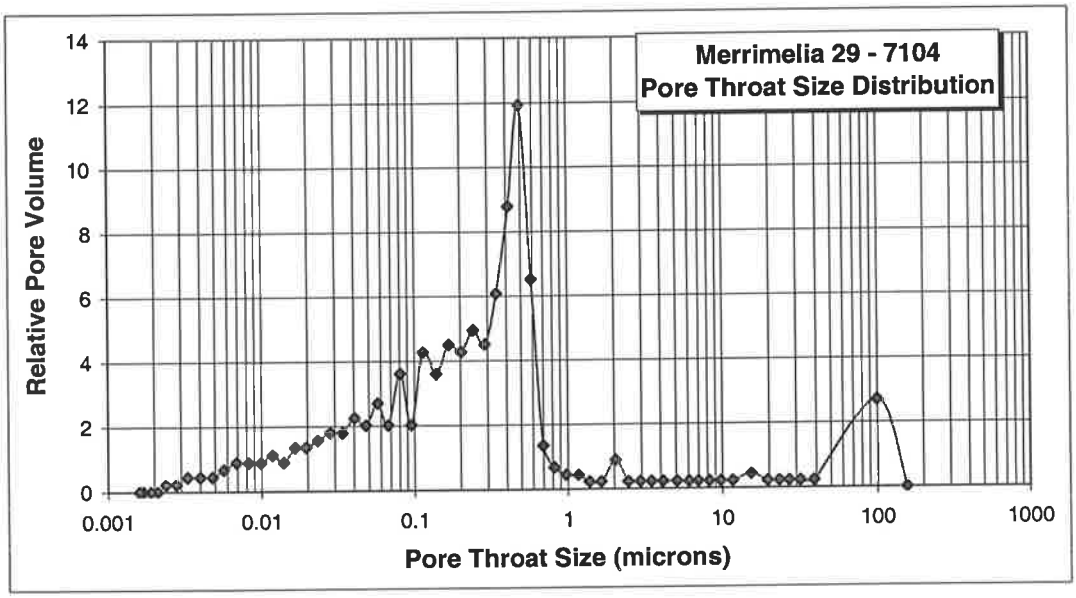
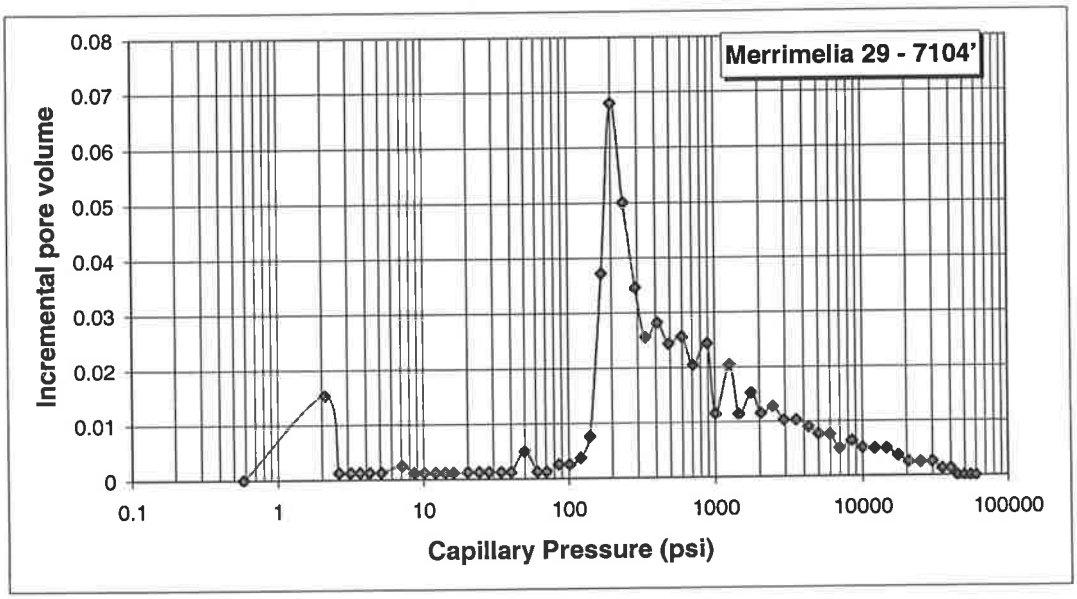

Merrimelia 29 - 7104'
100000
10000
1000
100
10
1
Capillary Pressure (psia)
100
90
80
70
60
50
40
30
20
10
0
Mercury Saturation (%)


Merrimelia 29 - 7104
Pore Throat Size Distribution
14
12
10
8
6
4
2
0
Relative Pore Volume
0.001
0.01
0.1
1
10
100
1000
Pore Throat Size (microns)


Merrimelia 29 - 7104'
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Incremental pore volume
0.1
1
10
100
1000
10000
100000
Capillary Pressure (psi)

APPENDIX 4.1

GRAIN SIZE DESCRIPTION AND STATISTICS (PHI)

DEPOSITIONAL FACIES	WELL	DEPTH (ft)	STATISTICAL PARAMETERS		
GRAVELS (RF-1)	Beanbush 1	8735'2"			pebble
					poorly sorted
	Telopea 2	8188'			pebble
					poorly sorted
	Telopea 2	8189'			pebble
					poorly sorted
FLUVIAL	Telopea 2	8174'	Average	1.54	medium sand
CHANNEL SANDS (RF-2)			St Dev	0.71	moderately sorted
			Skewness	0.05	symmetrical
			Kurtosis	0.58	very platykurtic (very flatter)
	Merrimelia 29	7100'	Average	2.34	fine sand
			St Dev	0.73	moderately sorted
			Skewness	-0.30	negatively skewed
			Kurtosis	-0.02	very platykurtic (very flatter)
CHUTE SANDS (RF-3)	Merrimelia 15	7120'1/2"	Average	2.30	fine sand
			St Dev	0.53	moderately well sorted
			Skewness	-0.63	more then very negatively skewed
			Kurtosis	1.05	mesokurtic (normal)
	Merrimelia 17	7078'21/2"	Average	1.92	medium sand
			St Dev	0.65	moderately well sorted
			Skewness	0.30	positively skewed
			Kurtosis	-0.06	very platykurtic (very flatter)
CREVASSE	Merrimelia 7	7108'4"	Average	1.47	medium sand
SPLAY SAND (RF-4)			St Dev	0.68	moderately well sorted
			Skewness	-0.33	more then very negatively skewed
			Kurtosis	0.91	mesokurtic (normal)
	Beanbush 1	8716'	Average	2.30	fine sand
	Merrimelia 17	7105'	Average	2.15	fine sand
			St Dev	0.58	moderately well sorted
			Skewness	-0.26	negatively skewed
			Kurtosis	-0.18	very platykurtic (very flatter)
	Merrimelia 29	7136'	Average	1.98	medium sand
			St Dev	0.73	moderately sorted
			Skewness	0.41	more then very positively skewed
			Kurtosis	-0.20	very platykurtic (very flatter)
FINE SAND	Merrimelia 3	7542'6"	Average	2.77	fine sand
FROM THE TOP OF			St Dev	0.53	moderately well sorted
POINTBARS (RF-5)			Skewness	0.19	positevely skwed
			Kurtosis	-0.42	very platykurtic (very flatter)
	Merrimelia 7	7065'11"	Average	2.24	fine sand
			St Dev	0.58	moderately well sorted
			Skewness	0.10	symmetrical to positively skewed
			Kurtosis	-0.48	very platykurtic (very flatter)
	Merrimnelia 29	7104'	Average	2.43	fine sand
			St Dev	0.58	moderately well sorted
			Skewness	0.01	symmetrical
			Kurtosis	-0.06	very platykurtic (very flatter)
DIAGENETICALLY	Telopea 2	8186'3"	Average	2.33	fine sand
MODIFIED			St Dev	0.67	moderately well sorted
SANDSTONES (SF-1)			Skewness	-0.57	more then very negatively skewed

			Kurtosis	0.82	platykurtic (flatter)
	Merrimelia 15	7114'5"	Average	3.02	very fine sand
LACUSTRINE MUDSTONES (SF–2)	Beanbush 1	8723'3"	Average	2.31	fine sand
	Merrimelia 5	7420'9"			clay and silt
PALAEOSOLS (SF-3)	Merrimelia 17	7148'4"	Average	3.30	very fine sand
	Merrimelia 17	7113'	Average	3.48	very fine sand
	Merrimelia 3	7321'6"			clay
FLOODPLAIN MUDSTONES (SF-4)	Beanbush 1	8740'10"			clay and silt
	Merrimelia 3	7743'			clay and silt

APPENDIX 4.2

PROPORTION OF FRAMEWORK GRAIN COMPONENTS, POROSITY AND CEMENT OF ROCK COMPOSITION

DEPOSITIONAL ENVIRONMENT	WELL	DEPTH	PETROGRAPHIC CLASSIFICATION	MATRIX			CEMENT							POROSITY				
								quartz						total	primary	secondary		micro
				total matrix	clay+silt	clay	total	overgrowth	kaolin	illite	siderite	chlorite	pyrite	porosity		dissolution	fracture	porosity
SF-1: DIAGENETICALLY-	Telopea 2	8186'3"	sublitharenite	0			19	7	9	3	Tr	Tr		10	3			7
MODIFIED SANDSTONE	Merrimelia 15	7114'5"	lithic wacke	15		15	13	4	6	3				6	2			4
SF-2 LACUSTRINE MUDSTONES	Beanbush 1	8723'3"	sublithic wacke	10		20	3	Tr	3	Tr		Tr		2			Tr	2
	Merrimelia 5	7420'9"	clayey siltstone (72.5 silt)	25		25		Tr			Tr							
			silty claystone (32.6% silt	62		62					Tr							
SF-3: PALAEOSOLS	Merrimelia 17	7113'	sublithic wacke	40		40	10	Tr			10						Tr	
	Merrimelia 17	7148'4"	sublithic wacke	37		37	15	Tr			15						Tr	
	Merrimelia 3	7321'6"	claystone (18.8% silt)	65		65	14				14			5			5	
SF-4: FLOODPLAIN	Beanbush 1	8740'10"	silty claystone (35% silt)+	55		55		Tr										
MUDSTONES			clayey siltstone (61% silt)	35		35		Tr										
	Merrimelia 3	7743'	silty claystone (34.5% silt	57		57	5				5							
RF-1: GRAVELS FROM THE	Beanbush 1	8735'2"	pebble gravel	4	4		11	7	4	Tr				17	11	3	Tr	3
BASE OF FLUVIAL CHANNELS	Telopea 2	8188'	pebble gravel	8	8		16	10	6					12	6	3	Tr	3
	Telopea 2	8189'	pebble gravel	6	6		13	8	5	Tr	Tr			10	6	2		2
RF-2: FLUVIAL CHANNEL	Telopea 2	8174'	sublitharenite	0			16	10	6		Tr			18	10	4		4
SANDS	Merrimelia 29	7100'	litharenite	2	2		14	7	7		Tr			20	10	5		5
RF-3: CHUTE SANDS	Merrimelia 15	7120'½"	litharenite	0			16	5	5	2	4	Tr		17.2	12.2	2		3
	Merrimelia 17	7078'2½"	litharenite	0			13.4	5	5.4	3	Tr			19.6	12	5		2.6
RF-4: CREVASSE SPLAY	Merrimelia 7	7108'4"	litharenite	0			32.3	4	3.3	Tr	25	Tr	Tr	6.2	4.2			2
SANDS	Merrimelia 29	7136'	litharenite	3	3		14	6	5	1	2			13	7	2		4
	Merrimelia 17	7105'	litharenite	3	3		14	6	5	1	2	Tr		18	10	3		5
	Beanbush 1	8716'	sublithic wacke	11		11	8	1	7					3				3
RF-5: FINE-GRAINED SAND	Merrimelia 7	7065'11"	litharenite	0			53	3	5	Tr	45			7	3			4
FROM TOP OF POINT BARS	Merrimelia 3	7542'6"	litharenite	3		3	20	3	10	2	5			8				8
	Merrimelia 29	7104'	lithic wacke	17		17	16.4	3	8.4	3	2	Tr		9.6	3			6.6

WELL	DEPTH	PETROGRAPHIC		QUARTZ			ROCK FRAGMENTS						MINOR COMPONENTS					
		CLASSIFICATION	% of Quartz				total			mud	silt+	chert+	total minor	heavy		organic	fossil	
			(Q-R-F)	total quartz	monocristaline	policristaline	lithics	chert	silt	chips	mud chips	mud chips	comp	minerals	mica	matter	fragments	glauconite
Telopea 2	8186'3"	sublitharenite	94.3	66	40	26	4	4					1	Tr (zircon, tourmaline)	Tr (mu)	1		
Merrimelia 15	7114'5"	lithic wacke	84.6	55	45	10	10					10	1	Tr (zircon, tourmaline)	Tr (mu)	1		
Beanbush 1	8723'3"	sublithic wacke	89	65	40	25	5	5					15	Tr (zircon, tourmaline)	14 (mu)		1	
Merrimelia 5	7420'9"	clayey siltstone (72.5 silt)+		54	20	34	12	10		2			9	Tr (zircon, tourmaline)	2 (mu)	7		
		silty claystone (32.6% silt)		23	10	13	7	7					8	Tr (zircon, tourmaline)	3 (mu)	5		
Merrimelia 17	7113'	sublithic wacke	88.8	40	25	15	5	5					5	Tr (zircon)	3 (mu)	2	Tr	Tr
Merrimelia 17	7148'4"	sublithic wacke	88.8	40	25	15	5	5					3	Tr (zircon, tourmaline)	2 (mu)	1		Tr
Merrimelia 3	7321'6"	claystone (18.8% silt)		15	10	5	0						1		Tr (mu)	1		
Beanbush 1	8740'10"	silty claystone (35% silt)+		20	10	10	10	10					15	Tr (zircon, tourmaline)	5 (mu)	10		
		clayey siltstone (61% silt)		45	25	20	10	10					10	Tr (zircon, tourmaline)	5 (mu)	5		
Merrimelia 3	7743'	silty claystone (34.5% silt)		25	15	10	5	5					8	Tr (zircon, tourmaline)	3 (mu)	5		
Beanbush 1	8735'2"	pebble gravel	95.5	65	35	30	3	3						Tr (zircon, sphene)	Tr (mu, bi)			
Telopea 2	8188'	pebble gravel	94	60	40	20	4	2		2				Tr (zircon, sphene)		Tr		
Telopea 2	8189'	pebble gravel	85.7	60	40	20	10	10					1	Tr (zircon, tourmaline)	Tr	1		
Telopea 2	8174'	sublitharenite	90.9	60	50	10	6	4		2				Tr (zircon, sphene, tourm)		Tr		
Merrimelia 29	7100'	litharenite	67	43	30	13	21	18			3			Tr (zircon, sphene, tourm)	Tr (mu)	Tr		
Merrimelia 15	7120'½"	litharenite	71.85	48	30	18	18.8	15			3.8			Tr (zircon)	Tr (mu, bi)	Tr		
Merrimelia 17	7078'2½"	litharenite	62.7	42	35	7	25	20			5			Tr (zircon, sphene, tourm)	Tr (mu)	Tr		
Merrimelia 7	7108'4"	litharenite	59.3	36.5	25	11.5	25	15			10				Tr (mu, bi)			
Merrimelia 29	7136'	litharenite	71.4	50	30	20	20	13		7				Tr (zircon, sphene)	Tr (mu)	Tr		
Merrimelia 17	7105'	litharenite	70.3	45	30	15	19	11		8			1	Tr (sphene, tourmaline)	Tr (mu)	1		
Beanbush 1	8716'	sublithic wacke	93.1	67	50	17	5	5					6	Tr (zircon)	5 (mu)		1	
Merrimelia 7	7065'11"	litharenite	75	30	15	15	10					10		Tr (zircon)	Tr (mu, bi)	Tr		
Merrimelia 3	7542'6"	litharenite	68.18	45	35	10	21					21	3	Tr (zircon, tourmaline)	1 (mu)	2		
Merrimelia 29	7104'	lithic wacke	54.5	30	25	5	25					25	2	Tr (zircon, tourmaline)	Tr (mu)	2		

APPENDIX 4.3

MINERALOGICAL COMPOSITION FROM XRD DATA

WELL NO	DEPTH (feet)	NETT AREA OF PEAKS (from XRD traces)					
		Illite	Kaolinite	Quartz	Siderite	Kaolinite/Illite	Kaolinite+Illite/ Quartz
Telopea 2	8186'3"	1898	6620	9746	606	3.488	0.874
Merrimelia 15	7114'5"	5950	10906	11797	525	1.833	1.429
Merrimelia 7	7065'9"	13408	6543	2318	1380	0.488	8.607
Merrimelia 5	7420'9"	5338	4545	7314	577	0.851	1.351
Beanbush 1	8723'3"	96	4632	9974	0	48.250	0.474
Telopea 2	8186'2"	835	3269	13425	0	3.915	0.306
Telopea 2	8221'6"	2353	7971	3355	23451	3.388	3.077
Merrimelia 7	7018'	9359	6245	4660	3350	0.667	3.348
Merrimelia 17	7113'8½"	3116	5549	10762	5619	1.781	0.805
Merrimelia 3	7621'	4434	5455	9188	4283	1.230	1.076
Merrimelia 5	7378'8"	4095	4506	7190	9754	1.100	1.196
Merrimelia 29	7124'2"	5085	6275	7330	10618	1.234	1.550
Merrimelia 29	7128'4½"	6153	10480	8553	852	1.703	1.945
Merrimelia 29	7130'	14155	12787	6102	5237	0.903	4.415
Merrimelia 29	7148'8½"	6857	5125	6199	7529	0.747	1.933
Merrimelia 17	7148'	5754	5376	9560	6573	0.934	1.164
Beanbush 1	8740'10"	4114	13709	5786	381	3.332	3.080
Merrimelia 17	7123'3½"	9378	6595	6050	884	0.703	2.640
Merrimelia 3	7495'	10731	9487	4319	1042	0.884	4.681
Merrimelia 3	7743'	3126	4231	6947	1831	1.353	1.059
Merrimelia 3	7320'6"	7423	7201	5652	655	0.970	2.587
Telopea 2	8195'	2005	5983	10893	4259	2.984	0.733
Merrimelia 17	7100'	5429	4846	8874	959	0.893	1.158
Merrimelia 17	7138'	10890	6025	5876	4393	0.553	2.879
Beanbush 1	8735'2"	133	983	12761	0	7.391	0.087
Telopea 2	8188'	438	4542	18562	0	10.370	0.268
Telopea 2	8189'	265	1264	16378	0	4.770	0.093
Telopea 2	8174'	290	1680	15602	425	5.793	0.126
Merrimelia 29	7100'	2082	5564	12145	976	2.672	0.630
Merrimelia 29	7080-7090'	2345	3496	13063	3991	1.491	0.447
Merrimelia 17	7156'	3424	9644	11953	876	2.817	1.093
Merrimelia 17	7158'	2429	4209	13301	1574	1.733	0.499
Merrimelia 15	7120'½"	995	4628	13416	3905	4.651	0.419
Merrimelia 17	7078'2½"	2412	5861	13199	728	2.430	0.627
Merrimelia 7	7108'4"	511	2233	8954	24545	4.370	0.306
Merrimelia17	7094'	9037	7855	9532	1238	0.869	1.772
Merrimelia17	7116'	1510	3200	14003	2960	2.119	0.336
Merrimelia17	7129'	960	2864	14625	13275	2.983	0.261
Merrimelia 29	7136	670	2811	16153	1614	4.196	0.216
Merrimelia 17	7105'	3040	6787	14319	701	2.233	0.686
Merrimelia 17	7060-7070'	976	1780	9940	4293	1.824	0.277
Merrimelia 17	7070-7080'	581	4670	4578	838	8.038	1.147
Beanbush 1	8716'	641	6520	9417	0	10.172	0.760
Merrimelia 7	7065'11"	668	2604	8567	24662	3.898	0.382
Merrimelia 3	7542'6"	5336	7628	11709	3148	1.430	1.107
Merrimelia 29	7104'	15901	8184	7302	948	0.515	3.298
Merrimelia 29	7070-7080'	1953	3090	12564	3232	1.582	0.401

APPENDIX 5.1

PERMEABILITY CALCULATION

DEPOSITIONAL ENVIRONMENT	WELL	DEPTH (feet)	Horizontal core permeability mD	Swanson permeability K air mD	Swanson permeability K brine mD	Winland permeability mD	Pittman permeability mD
SF-1: DIAGENETICALLY-	Merrimelia 15	7114'5"		4.06	1.76	0.27	0.40
MODIFIED SANDSTONES	Telopea 2	8186'3"		8.10	4.00	0.33	0.40
	Telopea 2	8170'5"		2.26	0.88	0.09	0.15
SF-2 LACUSTRINE MUDSTONES	Beanbush 1	8723'3"	0.025	0.0119	0.0018	0.00018	0.00114
	Merrimelia 7	7065'9"				0.00008	0.00095
	Merrimelia 5	7420'9"				0.15577	0.97910
	Telopea 2	8186'2"					
SF-3: PALAEOSOLS	Merrimelia 3	7621'				0.00004	
	Merrimelia 5	7378'8"				0.00001	0.00005
	Merrimelia 17	7113'8.5"				0.00003	0.00016
SF-4: FLOODPLAIN MUDSTONES	Beanbush 1	8741'	0.014			0.00011	0.00085
	Telopea 2	8195'	0.047				
	Merrimelia 17	7123'3.5"				0.00004	0.00017
	Merrimelia 3	7495'				0.00010	0.00117
RF-1: GRAVELS FROM THE BASE	Beanbush 1	8735'2"	1880	5,824.65	9760.09	220.05	184.20
OF FLUVIAL CHANNELS	Telopea 2	8188'	66	756.20	867.33	37.52	45.26
RF-2: FLUVIAL CHANNEL SANDS	Telopea 2	8174'	1360	8,131.99	14497.46	546.50	325.43
	Merrimelia 29	7100'	787	1,933.50	2639.96	197.59	151.53
RF-3: CHUTE SANDS	Merrimelia 15	7120'½"	766	2,819.80	4129.54	268.47	174.63
	Merrimelia 17	7078'21/4"	126	501.10	532.46	99.90	114.00
RF-4: CREVASSE SPLAY SANDS	Merrimelia 7	7108'4"	7.5	286.22	274.09	12.54	18.19
	Beanbush 1	8716'	2.2	3.03	1.25	0.00305	0.01242
RF-5: FINE-GRAINED SANDS	Merrimelia 29	7104'	0.37	6.09	2.85	0.46	0.65
FROM TOP OF POINT BARS	Merrimelia 3	7542'6"		8.25	4.09	0.36	0.50

APPENDIX 6.1

SUBSURFACE OIL DENSITY

Well	Formation	Residual oil gravity (API ^{0}) at 60^0 F	Solution gas-oil ratio (SCF/ STB)	surface density (g/cm^3) at 60^0 F	subsurface density (g/cm^3)
Merrimelia 8		49.3	45	0.78	0.775
Merrimelia 11	Hutton	52	257	0.77	0.737
Merrimelia 14	Tirrawarra	50.1	217	0.779	0.747
		46.9	451	0.793	0.725
		50.8	296	0.776	0.737
		50.4	236	0.778	0.747
Merrimelia 33	Poolowanna	40.6	37	0.82	0.82
AVERAGE					**0.755**

APPENDIX 6.2

AVERAGE GAS MOLECULAR WEIGHT

Well	Gas	molecular volume (%)	molecular volume	molecular weight (g / mole)	molecular volume x molecular weight
Beanbush 1	oxigen + argon	< 0.01	< 0.0001		
DST 3	nitrogen	0.36	0.00	28.01	0.10
	carbon dioxide	32.50	0.33	44.01	14.30
	methane	55.20	0.55	16.04	8.86
	ethane	8.40	0.08	30.07	2.53
	propane	2.20	0.02	44.10	0.97
	I - butane	0.26	0.00	58.12	0.15
	N - butane	0.50	0.01	58.12	0.29
	I - pentane	0.11	0.00	72.15	0.08
	N - pentane	0.15	0.00	72.15	0.11
	hexane	0.13	0.00	86.18	0.11
	heptanes	0.10	0.00	100.20	0.10
	octanes and higher	0.09	0.00	114.23	0.10
	Average molecular weight				**27.70**
Beanbush 1	oxigen + argon	<0.01	<0.0001		
DST 3	nitrogen	0.38	0.00	28.01	0.11
	carbon dioxide	32.60	0.33	44.01	14.35
	methane	54.70	0.55	16.04	8.77
	ethane	8.70	0.09	30.07	2.62
	propane	2.20	0.02	44.10	0.97
	I - butane	0.25	0.00	58.12	0.15
	N - butane	0.50	0.01	58.12	0.29
	I - pentane	0.13	0.00	72.15	0.09
	N - pentane	0.17	0.00	72.15	0.12
	hexane	0.13	0.00	86.18	0.11
	heptanes	0.15	0.00	100.20	0.15
	octanes and higher	0.09	0.00	114.23	0.10
	Average molecular weight				**27.83**
Merrimelia 7	oxigen + argon	<0.01	<0.0001		
DST 6	nitrogen	0.34	0.00	28.01	0.10
	carbon dioxide	14.80	0.15	44.01	6.51
	methane	64.25	0.64	16.04	10.31
	ethane	10.55	0.11	30.07	3.17
	propane	5.55	0.06	44.10	2.45
	I - butane	0.73	0.01	58.12	0.42
	N - butane	1.55	0.02	58.12	0.90
	I - pentane	0.47	0.00	72.15	0.34
	N - pentane	0.54	0.01	72.15	0.39
	hexane	0.46	0.00	86.18	0.40
	heptanes	0.45	0.00	100.20	0.45
	octanes and higher	0.31	0.00	114.23	0.35
	Average molecular weight				**25.79**
DST 5	oxigen + argon	<0.01	<0.0001		
	nitrogen	0.30	0.00	28.01	0.08
	carbon dioxide	15.15	0.15	44.01	6.67
	methane	68.10	0.68	16.04	10.92
	ethane	9.45	0.09	30.07	2.84
	propane	4.20	0.04	44.10	1.85
	I - butane	0.50	0.01	58.12	0.29
	N - butane	1.05	0.01	58.12	0.61
	I - pentane	0.29	0.00	72.15	0.21
	N - pentane	0.33	0.00	72.15	0.24
	hexane	0.27	0.00	86.18	0.23
	heptanes	0.18	0.00	100.20	0.18
	octanes and higher	0.18	0.00	114.23	0.21
	Average molecular weight				**24.34**
Merrimelia 15	oxigen + argon	<0.01	<0.0001		

DST 5	nitrogen	0.79	0.01	28.01	0.22
	carbon dioxide	7.05	0.07	44.01	3.10
	methane	70.25	0.70	16.04	11.27
	ethane	10.30	0.10	30.07	3.10
	propane	5.60	0.06	44.10	2.47
	I - butane	0.99	0.01	58.12	0.58
	N - butane	2.05	0.02	58.12	1.19
	I - pentane	0.68	0.01	72.15	0.49
	N - pentane	0.74	0.01	72.15	0.53
	hexane	0.58	0.01	86.18	0.50
	heptanes	0.36	0.00	100.20	0.36
	octanes and higher	0.16	0.00	114.23	0.18
	Average molecular weight				**23.99**
Merrimelia17	oxigen + argon	< 0.01	< 0.0001		
DST 4	nitrogen	0.58	0.01	28.01	0.16
	carbon dioxide	13.55	0.14	44.01	5.96
	methane	76.60	0.77	16.04	12.29
	ethane	6.15	0.06	30.07	1.85
	propane	1.95	0.02	44.10	0.86
	I - butane	0.27	0.00	58.12	0.16
	N - butane	0.50	0.01	58.12	0.29
	I - pentane	0.13	0.00	72.15	0.09
	N - pentane	0.15	0.00	72.15	0.11
	hexane	0.08	0.00	86.18	0.07
	heptanes	0.04	0.00	100.20	0.04
	octanes and higher	0.02	0.00	114.23	0.02
	Average molecular weight				**21.90**
Merrimelia 29	oxigen + argon	<0.01	0.00		
DST 1	nitrogen	0.36	0.00	28.01	0.10
	carbon dioxide	9.22	0.09	44.01	4.06
	methane	66.43	0.66	16.04	10.66
	ethane	5.70	0.06	30.07	1.71
	propane	2.15	0.02	44.10	0.95
	I - butane	0.55	0.01	58.12	0.32
	N - butane	1.27	0.01	58.12	0.74
	I - pentane	0.55	0.01	72.15	0.40
	N - pentane	0.81	0.01	72.15	0.58
	hexane	1.14	0.01	86.18	0.98
	heptanes	1.76	0.02	100.20	1.76
	octanes and higher	10.06	0.10	114.23	11.49
	Average molecular weight				**33.75**

APPENDIX 6.3

CALCULATION OF SUBSURFACE BRINE AND GAS DENSITIES

Well	Depth (feet)	Studied wells	Analyses Drill Stem Tests	Logger Depth (feet)	Reservoir Temperature (DegF)	Reservoir Pressure (psia)	Salinity (Total dissolved fluids) (mg/l)	Subsurface BrineDensity (nomograph)	Hydrocarbon API at 60 deg F	Average Molecular Weight (g/mol)	Subsurface Gas Density (nomograph)
		Beanbush 1	DST 1	6576-6682							
		Beanbush 1	DST 2	10490-10617	256						
Beanbush 1	8716'	Beanbush 1	DST 3	10811-10881	290	5522					
Beanbush 1	8735'2"	Beanbush 1	DST 4	11460-11530	310					27.7	0.275
					250					27.8	0.275
		Deramooko 1	DST 1	8308-8378	252	3649.8	3050	0.958			
			DST 2	8350-8395	237		4125	0.96			
		Interpolation of pressure data from:									
		Beanbush 1	DST 3	10811-10881							
		Deramooko 1	DST 1	8308-8378							
						3900					
		Interpolation of temperature data from:									
		Beanbush 1	depth vs temperature		250						
		Beanbush field (Average)						0.96			0.275
Telopea 2	8171' 71/2"										
Telopea 2	8174'										
Telopea 2	8188'										
		Telopea 1	DST 1	8149-8181	266				47.3		
			MDT	8170		3595					
		Telopea 2	DST 1	8692-8790			8264		45		
		Telopea field (Average)						0.954			
Merrimelia 3	7542'6"	Merrimelia 3	DST 3	7839-7865			6653				
		Merrimelia 2	DST 2	7249-7337	220		5683				
			DST 3	7336-7359	220				35		
			DST 4	8704-8442	260						
Merrimelia 7	7065'11"	Merrimelia 7	DST 4	6973-7041			7025				
	7108'4"		DST 5	7049-7100	235	3140			38.4	24.3	0.21
			DST 6	7105-7127	236	3230			30.8	25.8	0.21
								0.965			0.21
Merrimelia 15	7120'½"	Merrimelia 15	DST 5	7115-7132	210				27.2	24	0.19
			RFT	7137		3156					
				7129			1822	0.965			
			DST 4	7191-7310	210	3282					
Merrimelia 17	7078'2½"	Merrimelia 17	DST 4	7041-7066(L)	236	3125			57.4	22	0.17
Merrimelia 29	7100'	Merrimelia 29	DST 1	7102-7116(L)	219	3157	4581	0.975	40.3	33.75	0.33
Merrimelia 29	7104'										

APPENDIX 7.1

NAPPAMERRI GROUP TOPS (PEPS DATABASE)

	WELL	TOP		BASE	
		(m)	(ft)	(m)	(ft)
1	Merrimelia 1	2,226.87	7,306.00	2,369.82	7,775.00
2	Merrimelia 2	2,172.31	7,127.00	2,332.33	7,652.00
3	Merrimelia 3	2,171.40	7,124.00	2,374.09	7,789.00
4	Merrimelia 4	2,175.66	7,138.00	2,309.16	7,576.00
5	Merrimelia 5	2,140.92	7,024.00	2,267.71	7,440.00
6	Merrimelia 6	2,095.20	6,874.00	2,183.59	7,164.00
7	Merrimelia 7	2,118.66	6,951.00	2,244.24	7,363.00
8	Merrimelia 8	2,112.26	6,930.00	2,180.23	7,153.00
9	Merrimelia 9	2,121.41	6,960.00	2,218.33	7,278.00
10	Merrimelia 10	2,111.04	6,926.00	2,179.02	7,149.00
11	Merrimelia 11	2,094.59	6,872.00	2,177.80	7,145.00
12	Merrimelia 12	2,122.93	6,965.00	2,194.56	7,200.00
13	Merrimelia 13	2,129.64	6,987.00	2,254.91	7,398.00
14	Merrimelia 14	2,128.11	6,982.00	2,247.29	7,373.00
15	Merrimelia 15	2,118.97	6,952.00	2,197.91	7,211.00
16	Merrimelia 16	2,104.03	6,903.00	2,118.36	6,950.00
17	Merrimelia 17	2,127.20	6,979.00	2,251.86	7,388.00
18	Merrimelia 18	2,193.95	7,198.00	2,342.69	7,686.00
19	Merrimelia 20	2,139.09	7,018.00	2,271.37	7,452.00
20	Merrimelia 22	2,184.50	7,167.00	2,328.67	7,640.00
21	Merrimelia 23	2,142.74	7,030.00	2,200.66	7,220.00
22	Merrimelia 25	2,143.66	7,033.00	2,275.94	7,467.00
23	Merrimelia 29	2,117.75	6,948.00	2,204.31	7,232.00
24	Merrimelia 29	2,157.98	7,080.00	2,322.88	7,621.00
25	Merrimelia 30	2,111.04	6,926.00	2,195.78	7,204.00
26	Merrimelia 31	2,097.63	6,882.00	2,159.81	7,086.00
27	Merrimelia 32	2,090.93	6,860.00	2,171.09	7,123.00