DEPARTMENT OF MINES AND ENERGY
SOUTH AUSTRALIA

Rept. Bk. No. 80/108

PALYNOLOGY OF SELECTED SAMPLES FROM THE POLDA BASIN

By

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SEPTEMBER, 1980.

Biostrat. 6/80
D.M.E. No. 125/77

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Request submitted by G. Springbett, Electricity Trust of South Australia.

RESULTS

SADME S 4998

Location: Borehole P59, Kimba (1:250 000), 551269.7 mE, 6287472.1 mN

Depth: 116-118 m

Type of Sample: Sludge

Palynology: Common Tertiary and rare Jurassic palynomorphs recorded

SADME S 4999

Location: Borehole P107, Kimba (1:250 000) 551003.7 mE, 62880059 mN

Depth: 92-94 m

Type of Sample: Sludge

Palynology: Rare palynomorphs of Early Tertiary age observed.

SADME S 5000

Location: Borehole P114, Kimba (1:250 000) 547075.9 mE, 6289049.7 mN

Depth: 190 m

Type of Sample: Sludge

Palynology: Abundant Early Tertiary palynomorphs similar to those in S 4999 recognised.

SADME S 5001

Location: Borehole P125, Kimba (1:250 000)
555000.9 mE, 6284041.0 mN

Depth: 36 m

Type of Sample: Sludge

Palynology: Common Tertiary spores present.

SADME S 5002

Location: Borehole P108, Kimba (1:250 000)
551000.1 mE, 6288453.0 mN

Depth: 110 m

Type of Sample: Sludge

Palynology: Rare Recent spores, presumably contamination; Abundant Tertiary palynomorphs.

COMMENTS

Caution should be used with the palynological interpretation provided here as all samples were sludges and thus liable to contamination from above the sampled interval. An additional complicating factor that needs to be appreciated is that the base of the Early Tertiary in the Polda Basin is known to contain reworked Jurassic palynomorphs.

As a consequence of the many difficulties encountered with the sludge samples, I have discussed and confirmed all results contained herein with W.K. Harris (Western Mining Corporation).

DJC:AF

Dr. Barry J. Cooper