An examination and interpretation of megafossil fragments and microfossils from cuttings of the Chevron U.S.A. Kavearak Point 32-25 well

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KAVEARAK PT. 32-25
Section 25 T 13N-R 10E

INTRODUCTION

Composite 90' samples from 500-7,970' were analyzed.

RESULTS

Depth	
500'-1,760'	Age: Indeterminate.
	Paleoenvironment: Possibly transitional, but not conclusive.
	Remarks: This interval is barren of microfossils.
1,760'-2,210'	Age: Indeterminate.
	Paleoenvironment: Transition to possibly inner neritic.
	Remarks: Bathysiphon spp. is the only microfossil seen in this interval.
2,210'-4,190'	Age: Indetermine.
	Paleoenvironment: Probably transitional.
	Remarks: This interval contains abundant peat and plant fragments. It is barren of microfossil.
4,190'-5,990'	Age: Late Cretaceous.
	Paleoenvironment: Possibly inner to middle neritic.
	Remarks: The faunal assemblage consists of Haplophragmoides rota, H. spp., Bathysiphon brosgei, Verneuilinoides bearpawenses, V. fischeri, Bathysiphon brosgei, Eoeponidella strombodes, E. linki, Trochammina albertensis, Haplophragmoides, rota, Gavelinella awunensis, and Globulina topagorukensis.
	It is of interest that the abundance of specimens and species diversity is greatly reduced in the interval 5,360'-5,990'. Coal fragments are observed in sample 5,360'-5,450' and pryrite in samples 5,720' to 5,990'.

5,990'-6,320'

Age: Campanian/Turonian.

Paleoenvironment: Probably bathyal.

Remarks: The faunal assemblage consists of radiolarians and rare to common Inoceramus prisms. The Inoceramus prisms are probably transported down slope.

6,320'-6,410'

Age: Inderterminate

Paleoenvironment: Indeterminate

Remarks: Abundant Inoceramus prisms are seen in this interval.

6,410'-6,560'

Age: Possibly late Early Cretaceous.

Paleoenvironment: Possibly inner neritic to bathyal.

Remarks: The faunal assemblage consists of Lithocampe spp. and abundant fish remains.

6,560'-6,920'

Age: Probably Aptian/Barremian.

Paleoenvironment: Possibly inner to middle neritic.

Remarks: The faunal assemblage consists of Gaudryina tailleuri, Saccammina spp., Globulina topagorukensis, Eggerella spp., Ammobaculites coprolithiformis, Discorbis turbo, Haplophragmoides spp.

6,920'-7,490'

Age: Early Cretaceous.

Paleoenvironment: Marine, probably shelf.

Remarks: The faunal assemblage consists of Glomospira 3131, Haplogphragmoides topagorukensis, H. spp., H. inflatigrandis, Vaginulina texilis, Globulina topagorukensis, Reopha spp., and Trochammina sablei. This assemblage requires further study.

7,490'-7,640'

Age: Valanginian.

Paleoenvironment: Possibly inner to outer neritic.

Remarks: The faunal assemblage consists of Gaudryina milleri, Lenticulina muensteri, Saracenaria spp Ammobaculites spp., and Haplopragmoides inflatigrandis.

7,640'-70'

Age: Possibly Late Jurassic.

Paleoenvironment: Marine.

Remarks: Time has not permitted a detailed analysis of the remainder of this well.

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