Well Name : 1AB/06-09-090-14W4

Operator : AER
Well Code : 201606F
Interval : 171.00m - 220.00m
Scale : 1:250
Chart date: 30 January 2017

BIOSTRATIGRAPHY
GROUP & SPECIES ABUNDANCES
G. DOLBY

Alberta Energy Regulator

AGS ALBERTA GEOLOGICAL SURVEY

G.Dolby and Associates
Calgary

Released as part of Appendix 5 in AER/AGS Open File Report 2017-08

Project: 201606
Chart : 1AB/06-09-090-14W4

Text Keys
*1 Absolute abundance (10mm=100 counts)

Depth | Core description | Lithostratigraphy: Formation | Samples in Discipline(s) : Paly: Samples | Barren

DC *1: Dinocysts brackish; Dinocysts freshwater; Dinocysts marine; Vesperopsis Group

Spores And Pollen *1: Bisaccate pollen; Classopollis spp.; Gymnosperms misc.; TCT pollen indet.; Pteridophyte spores misc.; Schizaceous spores

Comments | Palynofacies

Samples in Discipline(s) : Paly: Samples | Barren

ALBO *1: Schizosporis reticulatus; Lecaniella spp.

AC *1: Cyclopsiella spp.

Dinoflagellate Cysts — Absolute abundance (10mm=100 counts): Hurlandsia rugara; Nyktericysta spp.; Dinocysts freshwater; Dinocysts indet.; Palaeoperidinium cretaceum; Apteodinium reticulatum; Apteodinium spp.; Circulodinium brevispinosum; Cribroperidinium spp.; Dinocyst OS3; Ellipsoidictyum imperfectum; Kallosphaeridium spp.; Klokansium polypes; Odontochitina operculata; Oligosphaeridium pulcherrimum; Oligosphaeridium aff. 'michouxii'; Pseudoceratium eisenackii; Vesperopsis "tetracantha"; Chlamydophorella trabeculosa; Dinocyst OS1; Oligosphaeridium complex; Silicisphaera sp. A; Spiniferites ramosus; Apteodinium "delicatum"; Batioladinium jaegeri; Circulodinium deflandrei; Circulodinium araneosum; Downiesphaeridium aciculare; Fromea amphora; Hapsocysta bentae; Leptodinium cancellatum; Leptodinium hyalodermopse; Oligosphaeridium poculum; Sepispinula ancorifera; Tanyosphaeridium salpinx

Spores And Pollen — Absolute abundance (10mm=100 counts): Araucariacites australis; Cerebropollenites mesozoicus; Cingulatheles clavus; Classopollis spp.; Cyathidites spp.; Exesipollenites spp.; Gleicheniidites spp.; Osmundacidites spp.; Retitriletes austroclavatidites; Stereisporites antiquasporites; Tigrisporites scurrandus; Aequitriradites spinulosus; Cicatricosisporites spp.; Concavissimisporites granulosus; Concavissimisporites punctulatus; Concavissimisporites subgranulosus; Cooksonites variabilis; Crybelosporites vectensis; Dictyophyllidites spp.; Foraminisporis asymmetricus; Foraminisporis wonthaggiensis; Ischyosporites punctatus; Laevigatosporites spp.; Microreticulatisporites uniformis; Psilatriletes radiatus; Retitriletes marginatus; Triporoletes reticulatus; Callialasporites dampieri; Concavissimisporites apiverrucatus; Concavissimisporites montuosus; Dictyotriletes granulatus; Kuylisporites lunaris; Pilosisporites trichopapillosus; Sestrosporites pseudoalveolatus; Concavissimisporites tribotrys

Depth

Depth	Formation	Sample	Comments	Palynofacies
182.14	Wabiskaw A (171.3)	182.14	Stg: EP->BM. COOP cysts abnt.	COOP
185.25	Wabiskaw C (184.2)	185.25	Stg: BM. COOP cysts abnt. Physical and biodegradation prominent.	COOP
193.85	Wabiskaw D	193.85	Stg: EP. V. restricted COOP assemblage.	COOP (Restricted)
200.25	Middle McMurray (200.0)	200.25	Stg: EP. V.rare marine cysts. Biodegraded. Arid.	?COOP
202.84	Middle McMurray	202.84	Stg: EP. 12 H.rugara; 8 ?Nyktericysta NIC; 1 Nyktericysta NIC. Semi-arid.	Hr
207.70	?Lower McMurray - ?Pre-McMurray (206.2)	207.70	Stg: EP. 10 H.rugara NIC; 1 Nyktericysta NIC. Abnt sphagnum.	Hr
	Devonian limestones (212.8)			

Depth (220.0)