Well Name : 1AA/05-17-083-06W4

Operator : AER
Well Code : 201606B
Interval : 300.00m - 350.00m PALYNOLOGY
Scale : 1:250 GROUP & SPECIES ABUNDANCES
Chart date: 30 January 2017 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 : AA/05-17-083-06W4

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

Depth | Gamma Log (API) 0–150 | Deep Induction (ohm m/m) 0.2–100 | Lithostratigraphy: Formation | Samples | DC *2 | Spores And Pollen *2 | Comments | Comments | Samples | ALBO *2 | AL *2 | AC *2 | Dinoflagellate Cysts Absolute abundance (10mm=100 counts) | RW | Spores And Pollen *2 Absolute abundance (10mm=100 counts) | Samples

Samples in Discipline(s) : Paly

DC: Dinocysts brackish; Dinocysts freshwater; Dinocysts marine

Spores And Pollen: Bisaccate pollen spp.; Classopollis spp.; Gymnosperms misc.; Inaperturate pollen; Pteridophyte spores misc.; Schizaceous spores

ALBO: Lecaniella spp.; Schizophacus spp.; Tetraporina spp.; Schizosporis spp.

AL: Yeo Oligosphaeridinium OS

AC: Pterospermopsis spp.; Cyclopsiella spp.

Dinoflagellate Cysts: Hurlandsia rugara; Nyktericysta spp.; Dinocysts freshwater; Nyktericysta tripenta; Holmwoodinium spp.; Dinocyst OS2; Apteodinium "delicatum"; Apteodinium reticulatum; Apteodinium spp.; Circulodinium brevispinosum; Cribroperidinium spp.; Dinocyst OS1; Downiesphaeridium spp.; Fromea amphora; Kallosphaeridium spp.; Nyktericysta OS1; Odontochitina operculata; Oligosphaeridium complex; Oligosphaeridium poculum; Oligosphaeridium pulcherrimum; Oligosphaeridium "michouxii"; Subtilisphaera spp.; Chlamydophorella trabeculosa; Circulodinium deflandrei; Cyclonephelium intonsum; Downiesphaeridium aculare; Escharisphaeridia spp.; Florentinia cooksoniae; Gonyaulacysta cretacea/helicoidea; Hapsocysta bentae; Kiokansium polypes; Leptodinium cancellatum; Palaeoperidinium cretaceum; Exochosphaeridium phragmites; Florentinia radiculata; Batioladinium jaegeri; Leptodinium hyalodermopse; Pterodinium verrucosum; Stiphrosphaeridium anthophorum; Coronifera oceanica; Dingodinium alberti/cerviculum; Microdinium spp.

RW: Devonian

Spores And Pollen: Araucariacites australis; Callialasporites turbatus; Cerebropollenites mesozoicus; Cicatricosisporites spp.; Classopollis spp.; Concavissimisporites apiverrucatus; Concavissimisporites granulosus; Concavissimisporites monticuloides; Concavissimisporites punctatus; Concavissimisporites purverulentus; Concavissimisporites subgranulosus; Concavissimisporites tribotrys; Concavissimisporites thoreticulosus; Cyathidites spp.; Exesipollenites spp.; Foraminisporis asymmetricus; Foraminisporis wonthaggiensis; Gleicheniidites spp.; Laevigatosporites spp.; Osmundacidites spp.; Psilatriletes radiatus; Retitriletes austroclavidites; Retitriletes marginatus; Retitriletes reticulumsporites; Stereisporites antiquasporites; Tigrisporites scurrandus; Leptolepidites spp.; Distaltriangulisporites perplexus

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

Depth	Formation	Samples	Comments	Comments	Samples
300m	Clearwater (300.0)				
305m					
310m	Wabiskaw A (306.8)	307.65	Stg: BM. Marine dinocysts abnt.	Cd	307.65
		308.40	Stg: BM. Marine dinocysts abnt., mostly fragmented.	Cd	308.40
	Wabiskaw B (309.2)	309.90	Stg: P->BM. Marine dinocysts abnt.	COOP	309.90
		311.40	Stg: BM. Marine dinocysts abnt., many fragmented.	COOP	311.40
315m	?Wabiskaw C (314.0) / Wabiskaw D	314.50	Stg: EP. Brackish dynocysts abnt.>marine cysts.	COOP + OS	314.50
	*1 (316.75)	316.75	Stg: EP. 3 H.rugara NIC.	Hr	316.75
320m					
325m	Middle McMurray	326.50	Stg: EP. 1 H.rugara NIC, 1 Nyktericysta NIC, 1 brackish cyst NIC. Arid.	Hr	326.50
330m					
335m					
340m		339.40	Stg: F->BM. 4 FW dinocysts; 4 Nyktericysta NIC; 5 FW algae NIC; 5 ?FW algae NIC. Arid.	Hr*	339.40
345m		345.00	Stg: EP. 2 H.rugara NIC; 3 FW dinocysts NIC; 7 Nyktericysta NIC; 2 FW algae NIC; 20 ?FW algae NIC.	Hr	345.00
	Marl (347.4)	346.45	Stg: EP. 2 H.rugara NIC; 7 Nyktericysta NIC; 4 FW algae NIC.	Hr	346.45
	Devonian limestones (365.0)	346.90	Unusual residue. Karst deposit.		346.90
350m					