Essential Petroleum Resources Limited

Daily Geology Report

Well Name:		East Wing-1	
Report No:	2	For date:	27-Apr-08
Days:	2	Midnight depth:	582
24 hr progress:			252
0600 depth update:			582
06:00 operation & 24 program:		Wiper trip prior to pulling out of hole for casing run	
Highlights and Fm tops:		Top Gellibrand Marl 155 m Top Clifton Fm 521 m, Top Narrawaturk Marl 537 m 3m high.	

Interval Descriptions

From	To	Thickness	ROP m/hr min-max(av)	GAS PPM	Description and shows
330	**521**	**191**	**15 - 45 (32)**	**0 - 1.3 (0.4)**	Marl (100%): very light to light grey at top becoming light to medium olive grey interlaminated lighter and darker lithologies. occasionally speckled w/ pink and greyish orange fossil fragments (forams, gastr., bryoz, echinoid, sponge) trace glauconite as pellets and as void-filling, trace pyrite, soft to frim, blocky, andundant soft sticky washing out at shaker, coarse residue is fossil frags, and clear very angular to moc rounded quartz grains, clear to Fe stained, occasional laminae or nodules more well cemented grading t muddy limestone. Fines toward base of interval.
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
100%					

From	To	Thickness	ROP m/hr min-max(av)	GAS PPM	Description and shows
521	**537**	**16**	**19 - 42 (37)**	**0**	Calcarenite9 (100%): heterogeneous, pink to pale yellow, occ reddish brown, composed of fossil frags, pyritised and ferruginised chamosite nodules, irregular pyrite nodules and abundant fine well rounded pyrite grains, trace heavily Fe stained coarse quartz grains, common branching bryozan limbs w/ pyrite replacement in individual cells. large rounded nodules, water worn chamosite and glauconite pellets, some pyritised and limonitised. Trace glauconitic ironstone.
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
100%					

From	To	Thickness	ROP m/hr min-max(av)	GAS PPM	Description and shows
537	**582**	**45**	**8 - 36 (21)**	**0 - 1.1 (0.6)**	Calcareous silty claystone grading to Marl (100%) medium greyish brown, in part pale greenish and bluish grey w/ dispersed glauconite. firm to friable, trace very coarse pyrite nodules. Up to 20% of claystone is pale greenish to bluish grey, glauconitic or possibly tuffaceous. Trace coarse glauconite grains in claystone matrix. Persistent trace of calcarenite a/a, becoming less pyritic.
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thickness	ROP m/hr min-max(av)	GAS PPM	Description and shows
582		#####			
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

Comments, or other evaluation reports