LARIANG, DISCOVERY BASIN

REGIONAL STRATIGRAPHIC CHART

LEGEND : Source Rock Reservoir Seal

M.A.	EPOCH	Mean Sea Level Change (Haq et al., (1987); Harland et al., (1990)) 0 100 200 300	Mean Sea Level Change (Vail et al., (1977; 1978); Haq et al., (1986; 1987)) 1.0 0.5 0	LITHOLOGY	ROCK UNIT	TECTONIC EVENTS
2	QUARTER: HOLOCENE / PLEISTOCENE				WALANAE	
5	TERTIARY – NEOGENE – PLIOCENE: Upper				TACIPI MEMBER	
10	TERTIARY – NEOGENE – PLIOCENE: Lower				ENGREKANG VOLCANIC SERIES	SYN OROGENIC
15	TERTIARY – NEOGENE – MIOCENE: Upper				BUAKAYU	
20	TERTIARY – NEOGENE – MIOCENE: Middle					
25	TERTIARY – NEOGENE – MIOCENE: Lower				MAKALE (TONASA)	POST RIFT
30	TERTIARY – PALAEOGENE – OLIGOCENE: Upper					
35	TERTIARY – PALAEOGENE – OLIGOCENE: Lower					
40	TERTIARY – PALAEOGENE – EOCENE: Upper				TORAJA / BUDUNGBUDUNG: Quartz sandstone, quartz conglomerate, shale with quartz intervense, claystone, limestone, intercalation of coal	SYN RIFT
45	TERTIARY – PALAEOGENE – EOCENE: Middle					
50	TERTIARY – PALAEOGENE – EOCENE: Lower					
55	TERTIARY – PALAEOGENE – PALEOCENE: Upper					
60	TERTIARY – PALAEOGENE – PALEOCENE: Lower					
65	CRETACEOUS: Upper					
70	CRETACEOUS: Upper				LATIMOJONG: Slate, quarzite, phylite, meta-quartz sandstone, meta-siltstone, marble, and locally calcareous	
80	CRETACEOUS: Upper					
90	CRETACEOUS: Upper					
100	CRETACEOUS: Lower					
110	CRETACEOUS: Lower					
120	CRETACEOUS: Lower					
130	CRETACEOUS: Lower					
140	JURASSIC: Upper					PRE RIFT
150	JURASSIC: Upper					
160	JURASSIC: Middle					
170	JURASSIC: Middle					
180	JURASSIC: Middle					
190	JURASSIC: Lower				WANA METAMORPHOSED COMPLEX: Mica schist, amphibolite schist, gneiss and quarzite	
200	JURASSIC: Lower					
210	TRIASSIC: Upper					
220	TRIASSIC: Upper					
230	TRIASSIC: Middle					
240	TRIASSIC: Lower					
250	PERMIAN: Upper					
260	PERMIAN: Upper					
280	PERMIAN: Lower					
300	CARBONIFEROUS: Upper					
320	CARBONIFEROUS: Upper					
340	CARBONIFEROUS: Lower					
360	DEVONIAN: Upper					
380	DEVONIAN: Middle					
400	DEVONIAN: Lower					
420	SILURIAN: Upper					
440	SILURIAN: Lower					
460	ORDOVICIAN: Upper					
480	ORDOVICIAN: Middle					
500	ORDOVICIAN: Lower					
520	CAMBRIAN: Upper					
540	CAMBRIAN: Middle					
560	CAMBRIAN: Lower					
	PRA CAMBRIAN					

PETROLEUM SYSTEM EVENT

ELEMENT			PROCESS			
SOURCE ROCK	RESERVOIR	SEAL	TRAP FORMATION	GEN / MIG / ACCUM	PRESERVATION	CRITICAL MOMENT

REFERENCE(S) :

IBS, 2006; PUSAT SURVEI GEOLOGI, 2015

Sandstone Limestone Slate
Coal Tuff Marble
Shale Igneous Rock Metaporphic Rock