

IX	FORMATION TOPS/Zones					REMARKS
	Tops		Gross Interval (ft)	Net Pay (ft).		
	M.D.	Sub-sea		Gas	Oil	
Gellibrand Marl	340	-240	2200'		4918-4924(6')	
Jan Juc	2540	-2440	960'	5990-5996(6)		
Demons Bluff	3500	-3400	585'	6585-6592(7)		
				7453-7464(6)		
Eastern View (top of Boonah sand-marine)	4085	-3985	455'	7690-7698(8)		
(top of non- marine)	4540	-4440	5305'			

X GEOLOGIC ANALYSIS (Pre Drilling prognosis Vs actual results)

Objective: To test the uppermost Eocene sandstone of the Eastern View on an anticlinal closure of Oligocene and Miocene age. Deeper sandstones within the Eastern View were considered secondary objectives.

Predicted Tops

Age

Miocene
Oligocene
Eocene
Eocene/Upper Paleocene
Lower Paleocene

Formation

Gellibrand Marl
Jan Juc
Demons Bluff
Eastern View (top of sand)
L. balmei zone

- 230
-2450
-3500
-4050
-7200

Actual Tops

(subsea depths)

-240
-2440
-3400
-3985
(Upper and Lower
Paleocene not
encountered)

The anticlinal closure was encountered as predicted, however the uppermost Eastern View (Boonah) sandstone contained salt water. If the overlying Demons Bluff shale is assumed to be capable of forming a "seal" then it would appear that structural growth necessary to trap hydrocarbons in the uppermost Eastern View sands occurred too late.

Significant hydrocarbon accumulations were encountered in the well and are listed under Section IX above. The first oil recovered in the Bass Basin occurred in a thin (6') sand in the interval 4918-4924' and had a C.G. of 21°. This accumulation was located in a predominantly sandy section of the N. asperus zone and may be stratigraphic in nature. Four other sandstones deeper in the Eocene section are interpreted to contain gas-condensate. These accumulations may be the result of either stratigraphic or structural entrapment.

Below a depth of -6450' subsea the Eocene section becomes extremely shaley and below -9200' subsea the section was entirely shale to total depth. An igneous intrusive was penetrated in the interval -7920-8168' subsea.

Porosities of the Eastern View sandstones appear good and in the 20% range by log analyses. Permeability data is limited because of the lithology of cored intervals.

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