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COMMENTS
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1. VITRINITE REFLECTANCE

DEPTH (M)	MEAN MAXIMUM REFLECTANCE(%)	STANDARD DEVIATION	RANGE	NUMBER OF DETERMINATIONS
2997-3006	0.83+	0.08	0.70-1.11	28

+POSSIBLY SLIGHTLY INFLUENCED BY CAVINGS

2. BRIEF DESCRIPTION

2.1 LITHOLOGIES
2997-3006 CHIEFLY SANDSTONE, 10-15% SHALE AND SILTSTONE, L5% COAL.

2.2 PROPORTIONS OF MACERAL GROUPS

		VITRINITE	INERTINITE	EXINITE
2997-3006	SHALE SILTSTONE	10	75	15
	COAL	80	L5	15

2.3 EXINITE MACERALS (IN ORDER OF ABUNDANCE)
2997-3006: SPORINITE, OIL, PHYTOPLANKTON, LAMALGINITE, CUTINITE, RESINITE, TELAGINITE, SUBERINITE, BITUMEN.

3. COMMENTS

1 OIL OCCURS IN THE SILTSTONE AND SANDSTONE FRAGMENTS INTERSTITIAL TO THE QUARTZ GRAINS.

2. FLUORESCENCE COLOURS OF THIS OIL RANGE FROM INTENSE GREEN TO INTENSE ORANGE AND INDICATES THAT THIS OIL IS HEAVIER THAN THE OIL HIGHER IN THE SEQUENCE. THIS OBSERVATION IS SUBSTANTIATED BY THE PRESENCE OF BITUMEN.

4. PALYNOLOGY OF TILANA - 1

3138-47 M : 3201-10 M : LOWER L. BALMEI ZONE WITH MINOR M. DIVERSUS ZONE CAVING INCLUDING DINOFLAGELLATES : PALEOCENE : PROBABLY NON-MARINE : MATURE
3246-55, 3291-3300 M : LOWER L. BALMEI ZONE : NON-MARINE : PEAK MATURE

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