

DAILY GEOLOGICAL REPORT

SUBJECT : ORGANIC PETROLOGY OF TILANA-1

1. VITRINITE REFLECTANCE

DEPTH (M)	MEAN MAXIMUM REFLECTANCE(%)	STANDARD DEVIATION	RANGE	NUMBER OF DETERMINATIONS
3870	1.59	0.19	1.3-1.92	24

OVERMATURE

2. BRIEF DESCRIPTION

SILTSTONE. DOM CONTENT 1-2% MAJOR EXINITES ARE LAMALGINITE AND LIPTODETRINITE. EXINITES HAVE NO VISIBLE FLUORESCENCE AND ARE COMMONLY MICRINITISED. THERE CHARACTERISTIC ARE CONSISTENT WITH THIS MATURITY.

PROPORTIONS OF MACERAL GROUPS

VITRINITE	INERTINITE	EXINITE
15	75	10

THE VITRINITE REFLECTANCE OF SAMPLES FROM 3600 METRES AND 3870 METRES MAY HAVE BEEN INFLUENCED BY NEARBY INTRUSIONS. HOWEVER THE TREND OF VITRINITE REFLECTANCE VALUES BETWEEN 2400-3300 METRES DEPTH INDICATES THAT THE BOTTOM OF THE OIL WINDOW (VR=1.2%) SHOULD BE REACHED AT APPROXIMATELY 3900 METRES IN TILANA-1.

PALYNOLOGY OF TILANA - 1

3878 M (SWC) : INDETERMINATE AGE : RARE FOSSIL FRAGMENTS ARE ALL POST-MATURE : PALEO CONTROL BELOW THIS DEPTH WILL PROBABLY BE IMPOSSIBLE UNLESS THE MATURITY DECREASES

REGARDS,
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