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DAILY GEOLOGICAL REPORT 450550

DRILLED INTERVAL (TO 0600HRS): 3726.1 - 3741.5M (12225-12276FT)
SAMPLED INTERVAL (TO 0600HRS): 3720 - 3737.5M (12204-12262FT)
CORRELATION/FORMATION TOPS: WITHIN PALEOCENE OF EVCM.

SHOW SUMMARY

NO SHOWS

LITHOLOGY SUMMARY

3720 - 3737.5M (12204-12262FT)

CLAYSTONE
CLST: BRN GY - OL GY, OCC LT OL GY, DARKER VARIETY IS V CARB AS STREAKS AND FLAKES, FIRM AND SUBFIS, LIGHTER VARIETY IS TR CARB, BECOMING SILTY TR GRADING TO SLTST IN PT.

NOTE: CLST IS V DISPERSIVE AND IS POORLY REPRESENTED IN SPLS.

GAS SUMMARY

BACKGROUND GAS: 5 UNITS (0.10%)
COMPOSITION C1 = 249, C2 = 47, C3 = 9
MAXIMUM GAS: DEPTH 3732M (12244FT), 11 UNITS (0.22%)
COMPOSITION C1 = 1155, C2 = 300, C3 = 63, IC4 AND NC4 = TRACE
TRIP GAS: DEPTH 3737.5M (12262FT), 13 UNITS (26%)
COMPOSITION C1 = 1628, C2 = 162, C3 = 76, IC4 = TR, NC4 = TR
CONNECTION GAS: 14 UNITS AT 3722M, 0 UNITS AT 3731M.

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3693M (12116FT), 12.5 M/HR (41.0 FT/HR)
MINIMUM ROP: DEPTH 3733.5M (12249FT), 1.0 M/HR (3.3FT/HR)
AVERAGE ROP: 1.7 M/HR (5.6 FT/HR), (3726-3737.5M)

PRESSURE PARAMETERS

DXC, RANGE: 0.81 - 1.25
TEMP OUT: 33 DEG C TEMP IN: 27 DEG C AFTER TRIP
MUD WT. IN: 15.0 PPG MUD WT. OUT: 15.0 PPG ECD: 15.5 PPG
EST PORE PRESSURE: 14-15 PPG EMW EST FRACTURE PRESSURE: 20 PPG EMW

COMMENTS

BIT CHANGE AT 3737.5M / 12262 FT.

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