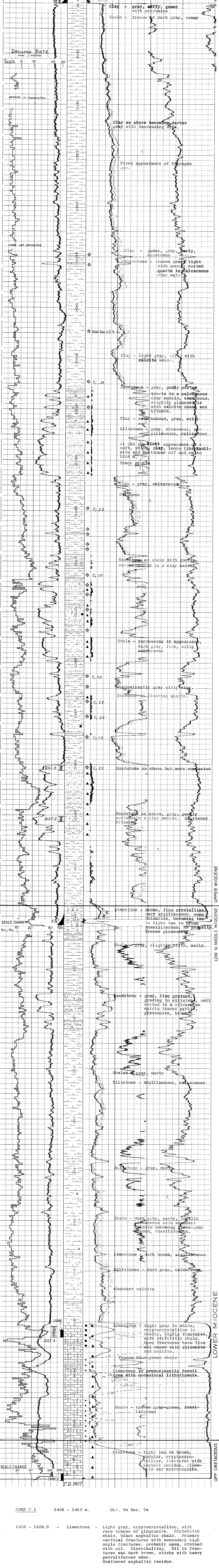


GULF ITALIA CO. COMPOSITE LOG

WELL: LIRI 1x 500' / o
 GULF INTEREST: 50% / o
 LOCATION: 41° 32' 57" N - 10° 03' 31" E from M. Mario
 ELEVATIONS: 140.3 m. KB 136 m. SEA FLOOR
 TOTAL DEPTH: 1607 m. DRILLER: SOHNUM
 MOVE ON DATE: Oct. 5, 1970
 SPUD DATE: 1500 hrs. Oct. 14, 1970
 COMPLETION DATE: 1200 hrs. Nov. 20, 1970
 RIG RELEASE DATE: 1200 hrs. Nov. 20, 1970
 PLATFORM NAME:
 CONTRACTOR & RIG: Pergemine - National 80 B
 CASINGS: 13 7/8" @ 149.50 m. 9 7/8" @ 1058 m.
 ROCK BITS USED: 14
 CONVENTIONAL CORES: Two
 SIDEWALL CORES: None ATTEMPTED RECOVERED
 SCHLUMBERGER SURVEYS: Ind. Es., GR-BHC-Sonic-Lab,
 Formation Density, Cement Bond Log - Caller Log,
 Continuous Dipmeter
 GEOLOGISTS: C. E. Little
 STATUS: P & A
 SCALE: 1/1000

LOG SYMBOLS

DST N° 2	CEMENT PLUG	GAS SHOW	G GLAUCONITE	C CHALKY
CORE	PERFORATIONS	OIL SHOW	▲ PYRITE	— SILTY
CASING	SQUEEZED PERFORATIONS	● TRACE OIL	▲ MICROFOSSILS	▲ GYPSIFEROUS
SIDE WALL CORE		▲ ASPHALT	○ MACROFOSSILS	▲ CALCAREOUS
		→ FORMATION TEST	○ OOLITIC	○ FELDSPAR
			— AROLLICEOUS	
SAND	SILTSTONE	COAL OR LIGNITE		
SANDSTONE	LIMESTONE	SALT		
CONGLOMER	DOLOMITE	ANHYDRITE or GYPSUM		
SHALE	MARLS	IGNEOUS ROCK		



CORE N. 1	1458 - 1465 m.	Cut, 7m Rec. 7m
1458 - 1458.6	Limestone	Light gray, cryptocrystalline, with rare traces of glauconite. Styolitic shale, black asphaltic shale. Primary vertical fractures with secondary high angle fractures, probably open, stained with oil. Microfracturing. Oil in fractures was dark brown, sticky with heavy petroliferous odor. Scattered asphaltic residue.
1458 - 1461	Limestone	As above but with a closed, calcite filled major fracture system with stylolitic shale. Micro-fractures with oil stain as above. Lithothamnium.
1461 - 1465	Limestone	As above with numerous open fractures. Primary vertical fractures with secondary high angle fractures. Dips appear to be 10° - 20° but as above, they are unpredictable, probably very localized due to differential compaction. Styolitic shales and asphaltic residue. Oil stains as above.
CORE N. 2	1600 - 1607 m.	Cut 7m Rec. 7m
1600 - 1602	Limestone	Dark brown to tan, slightly nodular, cryptocrystalline, fractured with asphalt or glauconite in vertical fractures with stylolitic shale and microfossils. At 1602 limestone becomes more nodular with brown nodules in a lighter brown limestone with a black mineral bordering the nodular material. Differential compaction of shales around nodules. Calcite in fractures.
1602 - 1607	Limestone	As above becoming more nodular and much more fractured and scattered calcite filled vugs. Glauconite in vertical fractures. Scattered microfossils, possible Ostracods and Mollusca.

DRILL STEM TEST N.1 - 1454-1465m.
 Tool open 2hr. 6min., immediate fair to good blow to surface. Flowed 60 barrels of fresh water at a rate of 30 bbls/hr. through 1/2-inch choke.
 I.H. 2446 psi
 First I.F. 299 psi
 First F.P. 290 psi
 First S.I.P. 2104 psi
 Final I.F. 455 psi
 Final F.P. 2066 psi
 F.I. 2104 psi (2 hours)
 F.H. 2446 psi

DRILL STEM TEST N.2 - 952-957m.
 Tool open for 1 hr. 15 min., weak blow to surface, dying in 20 min. Recovered 240 feet (3.07 bbls.) of drilling mud. After the test, broke formation down with mud at 600 psi.
 I.H. 1436 psi
 First I.F. 128 psi
 First F.P. 128 psi
 First S.I.P. 256 psi
 Final I.F. 128 psi
 Final F.P. 128 psi
 F.I. 412.5 psi
 F.H. 1436 psi

DRILL STEM TEST N.3 - 902-907m.
 Tool open for 1 hr. 04 mins., weak blow dying in 23 mins. Recovered 3/4 barrel of drilling mud. After test broke formation down with mud at 1000 psi.

UPPER MIOCENE - MORONE FM.
 LOWER MIOCENE - FROSINONE FM.
 UPPER CRETACEOUS - MORONE FM.