TALAMONTI

ALTIDONA N° 1

COORDINATES LAT.	43° 07' 43.5"
LONG.	1° 20' 45.5"
GROUND ELEVATION	186 mts.
ROTARY TABLE HEIGHT	3,40 mts.
K.D.B. ELEVATION	189,40 mts.
TYPE OF RIG	Bethlehem 58
CONTRACTOR	Delta Overseas Drilling Co.
DATE SPUDDED	August - 12 - 1966
DATE COMPLETED	Sept. - 14 - 1966
DAYS ON LOCATION	
TOTAL DEPTH	1948,50 mts.
FINAL STATUS	Plugged and abandoned
CASING	13 3/8 inch to 185 mts.
D.S.T.	None
GAS OR OIL SHOW	1262, 1236, 1218 mts.

ALD/175

GEOLOGIST	Q. Bagnasco
PALEONTOLOGIST	" "
LOG PREPARED BY	" "
SCALE	1:1000.000
DATE	

LEGEND

- Gravel
- Marly shale
- Marl
- Silstone - fine sandstone

- GAS SHOW
- OIL SHOW
- ASPHALT SHOW

INDEX MAP

CARTA D'ITALIA - SHEET 266 - II - SE - SCALE 1:25.000

NOTE

DEPTH (METERS, FEET) | BITS and CASING | DRILLING TIME (5 minutes) | CALCIMETRY (10%) | SHOWS | CORES | DIPS | POROSITY | PERMEABILITY | LITHOLOGY: S.P. (MILLIVOLTS) | LOG | RESISTIVITY (OHMS m/m) | DESCRIPTION | PALEONTOLOGY: FORMATION | FOSSILS | ENVIRONMENT | AGE | WEIGHT ON BIT (4000 20000 lbs 40000) R.P.M. (20 60 100 RPM 140 180) HOLE DEV.

DESCRIPTION

Gravel, represented by rounded calcareous elements white to light cream w/some chert brown to pink. From 21 mt. to 36 mt. some intervals of marly shale soft, yellowish.

36 mts (+153,40)

Marly shale, olive grey, very soft plastic, fossiliferous. Frequent traces of carbonaceous material from 54 mt. to 60 mt.

(+39,40)

Marly shale as above w/rare traces of pyrite.

Increase in pyrite. Very light traces of gas (-1?)

(-150,60)

348

Marly shale grey, plastic, very slightly silty. Traces of pyrite. Rare to frequent in the lower part, quartz granules.

540 (-350,60) Silty marly shale, grey, plastic w/rare traces of silty marl. Some fine sand stringers

608

Marly shale, grey, very soft, plastic, very slightly silty.

784

(-660,60) Marly shale as above with thin intercalations of quartzitic silt, grey (thickness rate: less 1 mt.) unconsolidated. Traces of pyrite.

950

Rare traces of gypsum.

1000 (810,60) Plastic marly shale, grey, soft, intercalated w/calcareous shale green grey, medium hard, compact, sl. silty and with quartzitic siltstone poorly cemented, lt. grey. Increase in pyrite, lignite, and carbonaceous material. Traces of sandstone fine grained lt. grey.

Traces of gypsum from 1092 to 1104

1120 Plastic marly shale as above with increase in calcareous shaly beds, olive grey, compact. Frequent traces of sandstone, grey, finely grained, poorly cemented. Ranging to siltstone. Traces pyrite and lignite.

1165 Plastic shale and calcareous shale as above w/strong increase in fine to medium sandstone-siltstone levels. Frequent carbonaceous material and pyrite.

1262, 1265, 1269 At 1262-Sandstone, medium to pudding. Gas kick 35% after trip. Rare traces of oil stained brown to dark brown. Pelecypods fragments. At 1269 - Core N. 1 from 1265 to 1269 recovery 50% of calcareous shale (marl), very slightly silty, finely micaceous, olive grey, massive, compact to fissile, barren of fossils. No show. Very questionable dip 70°-75°.

1282 Sandstone fine to very fine, poorly consolidated and quartzitic silt layers interbedded w/ calcareous shale (marl), silty in part-olive grey, compact, medium hard, micaceous and plastic shale. Some calcareous fine gravel stringers.

1337

Prevalent calcareous shale (marl) olive grey to lt. grey, medium hard, compact to fissile micaceous interbedded with plastic shale, sandstone, fine-siltstone micaceous, poorly consolidated and thin, layers of sandstone medium grained ranging to calcareous, cherty, fine gravel. Very light col. cut. Constant traces of pyrite and carbonaceous material.

1505 Mostly plastic shale grey, with less marl, intercalated with very fine sand to silt stringers.

1551 Prevalent silt-sandstone fine to medium, micaceous, poorly consolidated, intercalated with calcareous shale, compact, hard, fissile, freq. silty. Grey to olive grey. 2nd with plastic shale, soft layers. Sparce limestone fragments, whitash, traces of pyrite, freq. lignite horizons.

From 1659 to 1668 interval with freq. limestone pebbles, secondary gypsum, sandstone medium in grains.

Frequent carbonaceous material with varicolored "chicken feed" gravel.

Frequent lignite levels.

1839, 1849 Plastic shale with silt. Traces of quartz granules and chert fragments. From 1845 increase in gravel with fine to coarse elements. Frequent Pelecypods remains.

Marl, dark grey, compact, hard. Interbedded w/silt. Some plastic shale intervals.

1905 Prevalent sand, fine to very fine quartzitic, micaceous, w/some marl layers. Some traces of ls. chert chicken gravel. Plastic shales are present.

1945, 1948,50 At 1945, Core No. 2 Rec. 2.60 (801). Marl dark grey. 1948,50 mt. T.D. medium hard, compact to fissile, micaceous, ranging to the bottom to marl grey sl. silty, more compact, less fissile w/lignite verletes. Pyrite nodules.

PALEONTOLOGY

FORMATION

QUATERNARY RECENT

ANOMALINA BALTICA ZONE

GLOBOROTALIA CRASSULA ZONE

GLOBOROTALIA PUNCTICULATA ZONE

723 mts

GLOBOROTALIA PUNCTICULATA AND GLOBOROTALIA HIRSUTA ZONE

BARREN INTERVAL

GLOBOROTALIA HIRSUTA ZONE

GLOBOROTALIA PUNCTICULATA ZONE

FOSSILS

Benthonic Microfn. represented by freq. Bulimina marginata, freq. Rotalia peccari, freq. Martinottiella communis, rare Anomalina baltica, Miliolidae, rare and small planktonic forms as Orbulina universa globigerinae

? — ? — ? — ?

Prevalent small planktonic forms. Globigerinoides elongatus, Gl. gomitulus, Globorotalia crassula, Gl. inflata, Globigerinae var. species, Orbulina universa, Scarce benthonic pyritized in pt. or mg as. Ulvigerina proboscidea, U. peregrina, Martinottilla communus, Siphorina reticulata, Eponides umbonatus, Arenaceous forms, Astracods

? — ? — ? — ?

In general scarce microfaunas represented by dwarfed prevalent planktonic forms as small Globigerinae, Globorotalia puncticulata, Globigerinoides gomitulus, Orbulina suturalis very rare, Siphina reticulata, Eponides umbonatus, var. steilatus, Nodosaria longiscata r., Marginulina costata r., Cassidulina larvigata var. carinata r., Martinottiella communis. Some Miliolidae and Aranaceous forms.

Frequent microfaunas prevailingly small, dwarf planktonic forms pyritized in part. Globigerinae var. species, Globorotalia puncticulata freq., Globorotalia scitula, Globorotalia hirsuta, rare. Orbulina universa, also some benthonic forms as: Siphonina reticulata, Siphonina planoconvexa, Robulus sp., Eponides, Cibicides italicus, Arenaceous forms Cibicides italicus, Smooth Ostracods

Dwarf pyritized gastropods.

Barren sequence. Some Globorotalia puncticulata, Globorotalia hirsuta probably caving.

Small microfaunas prevalent planktonic with freq. (1572-1578) Globorotalia hirsuta. Globigerinoides elongatus. Sphaeroidinella seminulina rare.

Freq. Globorotalis puncticulata and rare Gl. hirsuta at 1850.

1872 probably reverse faulting. The sandy interbeds are barren.

In the core, freq. dwarf microfaunas prev. planktonic Globorotalia puncticulata, Globigerinoides trilobus, Orbulina universa, Siphonina reticulata, Cibicides italicus

ENVIRONMENT

LITTORAL

SUB LITTORAL TO UPPER NERITIC WITH EUXENIC CONDITIONS TO THE BOTTOM

Upper neritic with littoral episods

AGE

RECENT

QUATERNARY PLEISTOCENE

? — ? — ?

MIDDLE-UPPER PLIOCENE

? — ? — ?

LOWER PLIOCENE

LOWER PLIOCENE

Lower Pliocene

WEIGHT ON BIT / R.P.M. / HOLE DEV.

Plugged from 0 to 10 mt. w/20 sacks of cement.

From 40 mt. Weight on bit 6000 lb. RPM 100-120

at 50 mt. Tocto 1/2°

at 100 mt. Tocto 1/4°

at 150 mt. Tocto 0°15'

Plugged from 160 to 220 mt. w/80 sacks of cement

From 186 mt. Weight on bit 9000 lb. RPM 100-120

at 200 mt. Tocto 0°40'

at 250 mt. Tocto 0°, 30'

at 300 mt. Tocto 0°,

at 350 mt. Tocto 0°, 50"

at 400 mt. Tocto 0°, 20'

At 450 mt. Tocto

at 505 mt. Tocto 0°, 20'

at 550 mt. Tocto 0° 15'

at 620 mt. Tocto 0° 20'

From 637 mt. weight on bit 12,000 lbs.

Plugged from 680 mt. with 100 sacks of cement.

At 696 mt. Tocto 0° 20'

at 800 mt. Tocto 0° 30'

at 870 mt. Tocto 1° 30'. From 870 mt. weight on bit 7000 lb

at 927 mt. Tocto 1° 30'

at 953 mt. Tocto 1° 15'. From 953 mt. weight on bit 10,000 lbs.

at 1015 mt. Tocto 1°

at 1100 mt. Tocto 1°

at 1200 mt. Tocto 1° From 1200 mt. weight on bit 13,000 lbs.

at 1260 mt. Tocto 1° Lost circulation 10 m³ mud at 1262

at 1300 mt. Tocto 1° 15'. From 1300 mt. weight on bit 15,000 lbs.

at 1380 mt. Tocto 1° 30'

at 1477 mt. Tocto 1° 15'. From 1477 mt. weight on bit 20,000 lbs.

at 1555 mt. Tocto 2° 45'. 16,000 lbs. RPM 120-140

at 1605 mt. Tocto 3° 10'

at 1676 mt. Tocto 3° 18,000 lbs.

at 1790 mt. Tocto 3° 15'

at 1943 mt. Tocto 2, 50'