APPENDIX 2

CORE DESCRIPTIONS

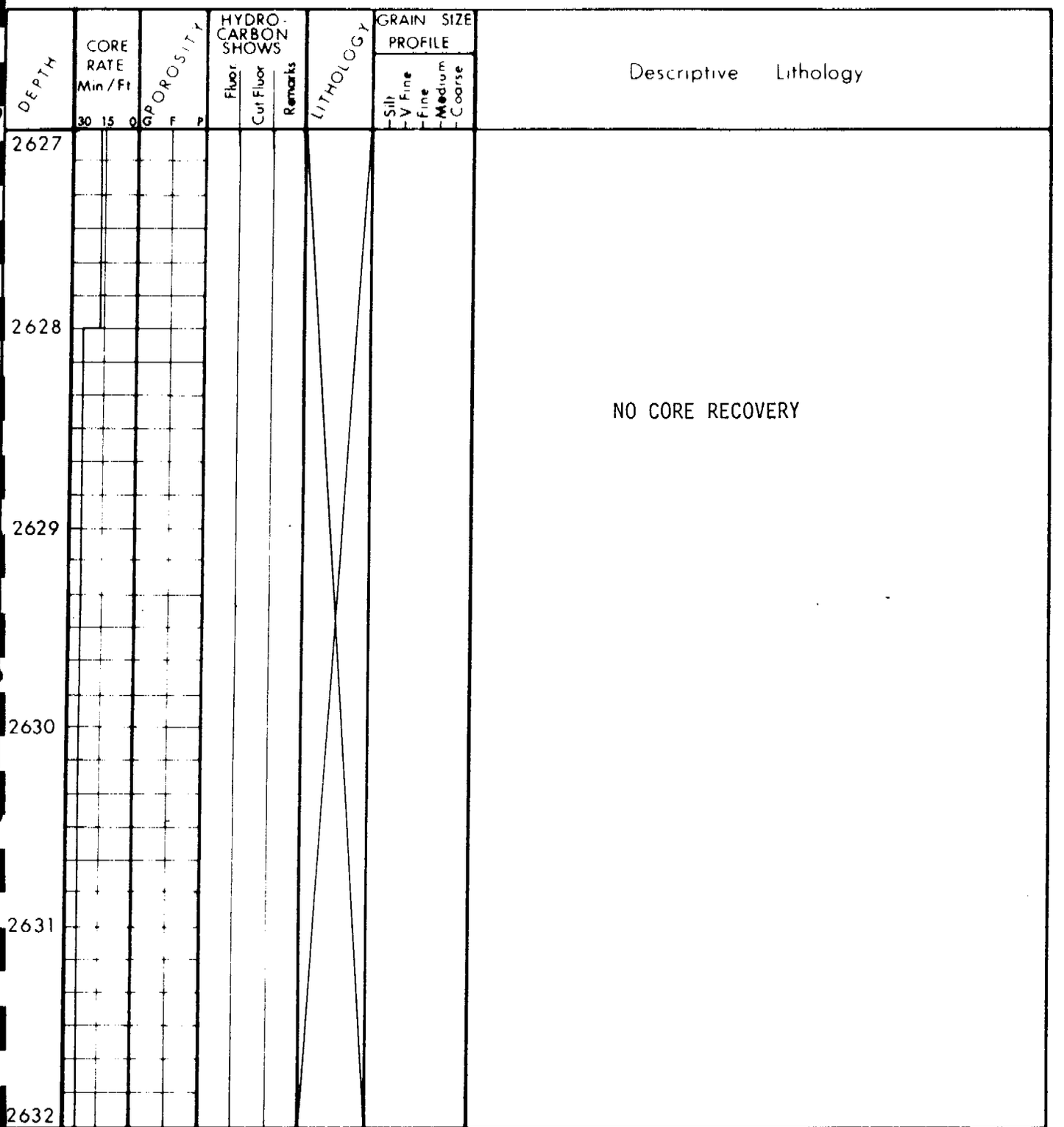
Well East Mereenie No.13

Core No 1 Fm Upper Stokes

CORE DESCRIPTION

Interval Cored 2627 - 2632 Cut 5' Recovered 0' % Rec 0%

Type and Size Core Head EH STAR Acc Desc by M. King Date 18/2/84



Remarks

Core loss thought to be due to core catcher not gripping and holding core when coming out of the hole.

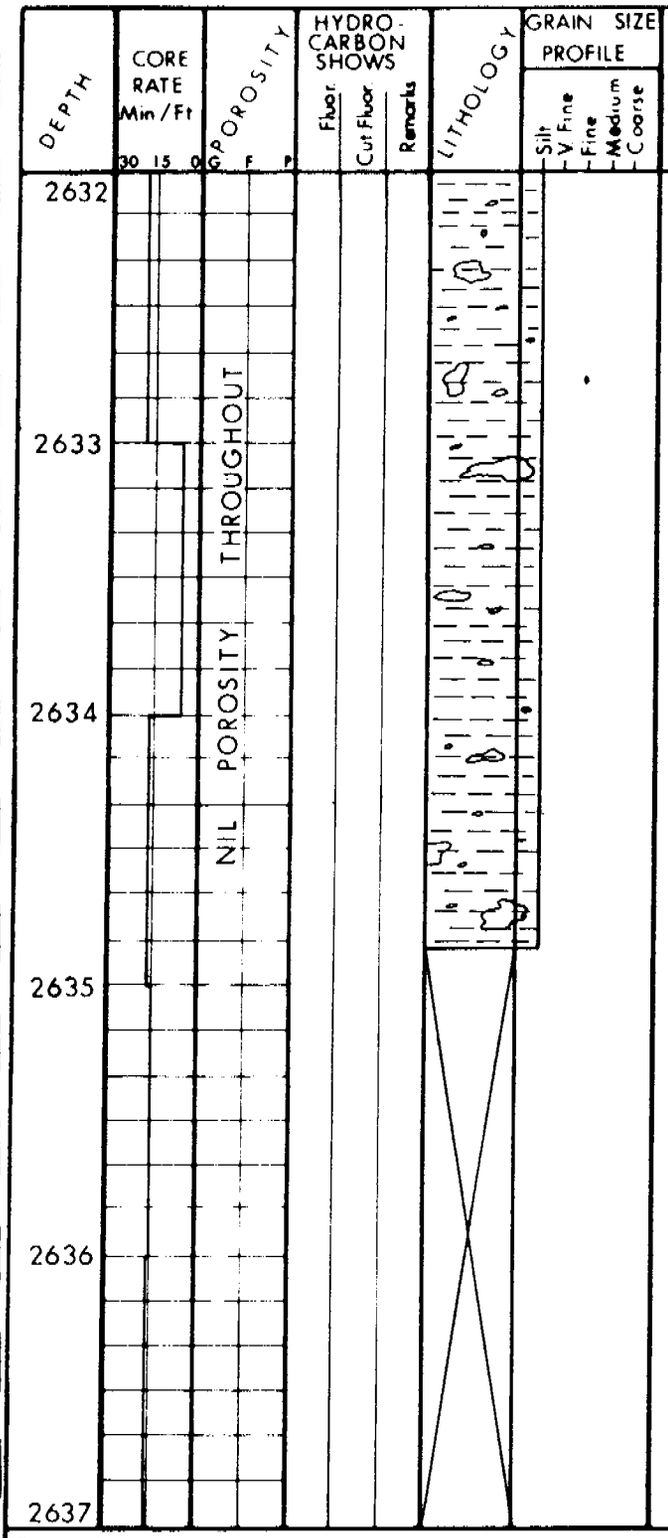
OILMIN N.L

CORE DESCRIPTION

Well East Mereenie No. 13
Core No 2 Fm Upper Stokes

Interval Cored 2632 - 2637' Cut 5' Recovered 2' 10" % Rec 57%

Type and Size Core Head EH STAR Acc. Desc by M. King Date 18/2/84



Descriptive Lithology

SILTSTONE; red brown and minor grey green, grey green occurs as ovate areas of irregular size mottling.
Generally massive, finely micaceous and ferruginous.
Rare small scattered lenses of gypsum occur throughout.
Core parts at an angle of 10° to the core axis; thought to correspond to bedding plane.

Remarks

Core cut in an attempt to determine formation dip.

OILMIN N.L

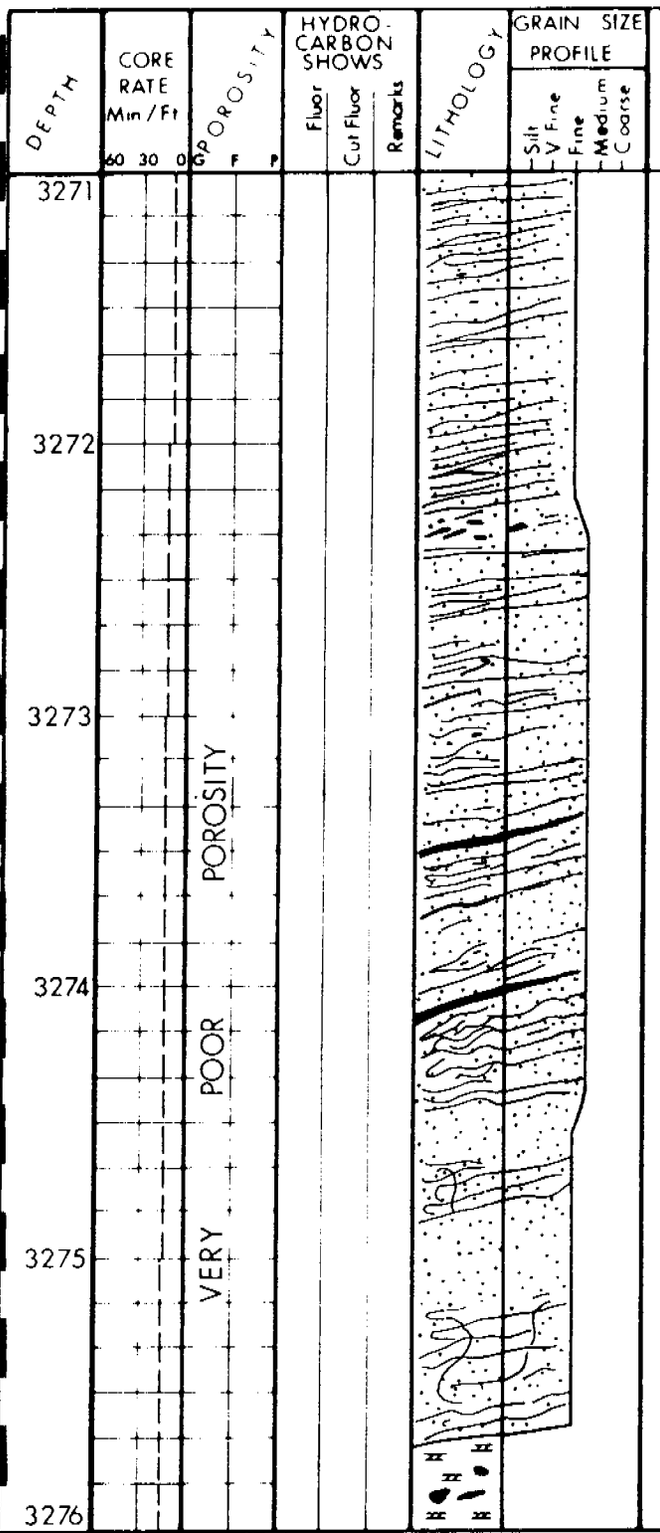
CORE DESCRIPTION

Well East Mereenie No. 13

Core No. 3 Frm U.Stairway

Interval Cored 3271 - 3286' Cut 15' Recovered 15' % Rec 100

Type and Size Core Head CHRIS C-23 Desc by M. KING Date 23/2/84



Descriptive Lithology

SANDSTONE; quartzose, white to grey, very fine to fine grained, occasionally medium, angular to subrounded, moderately sorted, minor dark lithics, calcareous/dolomitic cement, minor dark grey banding.
SHALE; dark grey to black, soft, fissile, carboncaceous, grades to silt in places.
@ 3271'10", 6°/70°T
SANDSTONE interlayered thinly by SHALE throughout, core tends to split along SHALEY beds.
SANDSTONE; white, light to dark grey, very fine to medium, occasionally coarse, subangular to subrounded, siliceous/dolomitic cement.
SHALE; dark grey to black, A/A, weakly dolomitic.

@ 3273'4", 6°/90°T

SANDSTONE; white to light and dark grey, very fine to medium and minor coarse. Dolomitic cement, interlayered by thin beds of black carbonaceous SHALE grading in places of SILTSTONE.

SANDSTONE; quartzose, light greenish grey, minor bands of darker layering, very fine to fine, occasional medium grains, moderate sorting, @ 3275' 4", 5°/90°T.

DOLOMITE; off white to dirty grey green, saccharoidal texture, hard, minor gypsum, possible black phosphate nodules.

Remarks

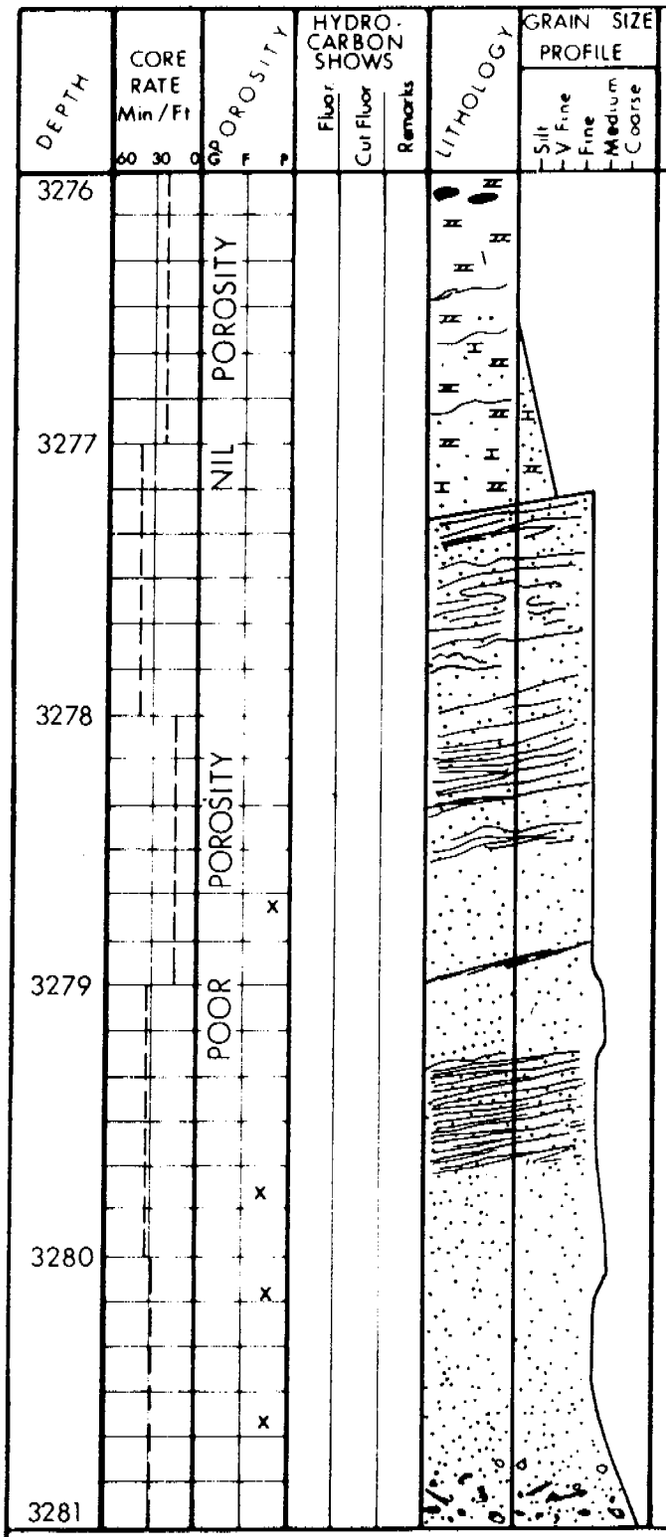
Core used to determine formation dip. Dip measurements were made by finding maximum angle of dip on shaley bands along the core axis. Dip angle and azimuth are quoted thus; 5°/90°T. Core breaks were matched and dip directions measured in relation to a yellow reference line along the length of the core. Attempts to define the actual insitu core orientation using drill cone pattern at top of core proved unsuccessful.

OILMIN N.L
CORE DESCRIPTION

Well East Mereenie No. 13
Core No 3 Fm U. Stairway

Interval Cored 3271 - 3286' Cut 15' Recovered 15' % Rec 100

Type and Size Core Head CHRIS C-23 Desc by M. KING Date 23/2/84



Descriptive Lithology

Dolomite becoming more sandy and calcareous.

SANDSTONE off white, light to dark grey, very fine to medium grained, occasionally coarse, subangular to subrounded, moderate to poorly sorted, interlayered thinly by black SHALE, sometimes silty and sandy.
SHALE black, fissile, soft to firm, carbonaceous
@ 3277'10", 4°, 95°T
SANDSTONE quartzose, white to light grey, fine with occasional medium grains, angular to sub-rounded, moderate sorting, siliceous cement, minor dark lithics.
@ 3278'2", 5°/110°T

SANDSTONE quartzose, A/A, becoming darker grey and slightly coarser, interlayered by thin beds of black SHALE.

@ 3279', 9°/95°T

CALCAREOUS SANDSTONE dirty light green grey, fine to coarse grained, angular to subangular, poorly sorted, minor dark lithics. Becoming more poorly sorted - graded bedding, fragments up to pebble size include black shale, sandy black shale and grey green siltstone. Also very coarse rounded grains of clear quartz.
Dark fragments range from angular to subrounded.

Remarks

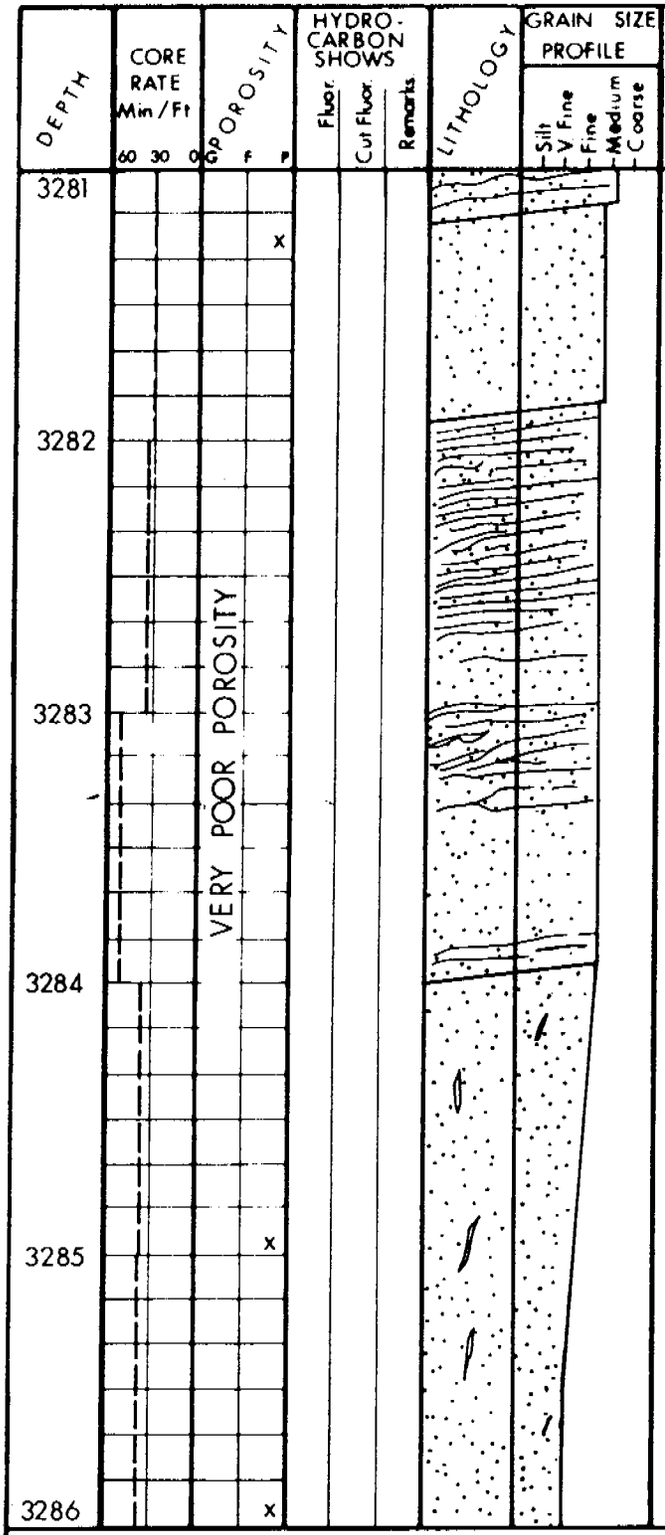
OILMIN N.L

CORE DESCRIPTION

Well East Mereenie No. 13
Core No 3 Fm U.Stairway

Interval Cored 3271 - 3286' Cut 15' Recovered 15' % Rec 100

Type and Size Core Head CHRIS C-23 Desc by M. KING Date 23/2/84



Descriptive Lithology

Matrix consists of fine sand with a calcareous/ siliceous cement, off white to light green grey. From 3281'2" - CALCAREOUS SANDSTONE homogeneous dirty light green grey, fine to coarse, angular to subangular, poorly sorted, minor coarse dark lithics, carbonate cement.

CALCAREOUS SANDSTONE; A/A, interlayered thinly by black SHALE.
SHALE; black, fissile, carbonaceous, silty to sandy in part.
@ 3281'10", 9°/75°T
@ 3282'3", 8°/110°T
@ 3282'8", 8°/100°T
@ 3283'1", 6°/100°T
@ 3283'7", 6°/100°T

CALCAREOUS SANDSTONE; dirty light brown grey, fine to coarse grained, subangular to well rounded, poorly sorted, becoming more dolomitic, minor thin interlayering by black SHALE.

SANDSTONE; homogeneous, off white to light brown grey, fine to coarse grained, quartzose, angular to subrounded, poorly sorted, dolomitic cement. Minor gypsum, small number of worm burrows present.
Mottled appearance.

SANDSTONE; off white to light green grey, mottled fine to medium grained, occasional well rounded coarse, moderate to poorly sorted, siliceous/weak dolomitic cement. Minor worm burrows.

SANDSTONE; quartzose, off white to light grey, very fine to fine grained, angular to subangular, well sorted, siliceous cement.

END CORE RUN 3

Remarks