

1874

compu-max

71 Martinview Road, N.E.
CALGARY, Alberta
T3J 2W2 (403) 280-5857

**COMPOSITE WELL HISTORY
DRILLING TIME
LITHOLOGY LOG**

COMPANY: AEC (West)
WELL: AEC (West) RENAISSANCE P-16
FIELD:

N.E.B. COPY

PROVINCE: NWT

LOCATION: LSD SEC TWP RGE W MERIDIAN

COORDINATES: 7275226.71
ELEVATIONS: GD 86.4 m
KB 90.7 m

532805.10 E
LOG MEASURED FROM KB
4.3 m ABOVE GROUND

WELL TYPE: EXPLORATION
SPUD DATE: 2000-02-25
LICENCE No.:

TOTAL DEPTH:
T.D. DATE:
AFE No.: 5000046

CONTRACTOR: AKITA #14
MUD TYPE:
MUD UP @:
SAMPLES: 2.5 & 5 METER INTERVALS
AEC/REN: 136 to T.D.
NWTB: 136 to T.D.
DSTs:

CORES:

OPEN HOLE LOGS:

SUPERVISION

GEOLOGICAL: Glen MacIntosh

DRILLING: LYNN SANDQUIST

CASING DEPTH

SURFACE: 136.0 m
INTERMEDIATE: m
MAIN: m

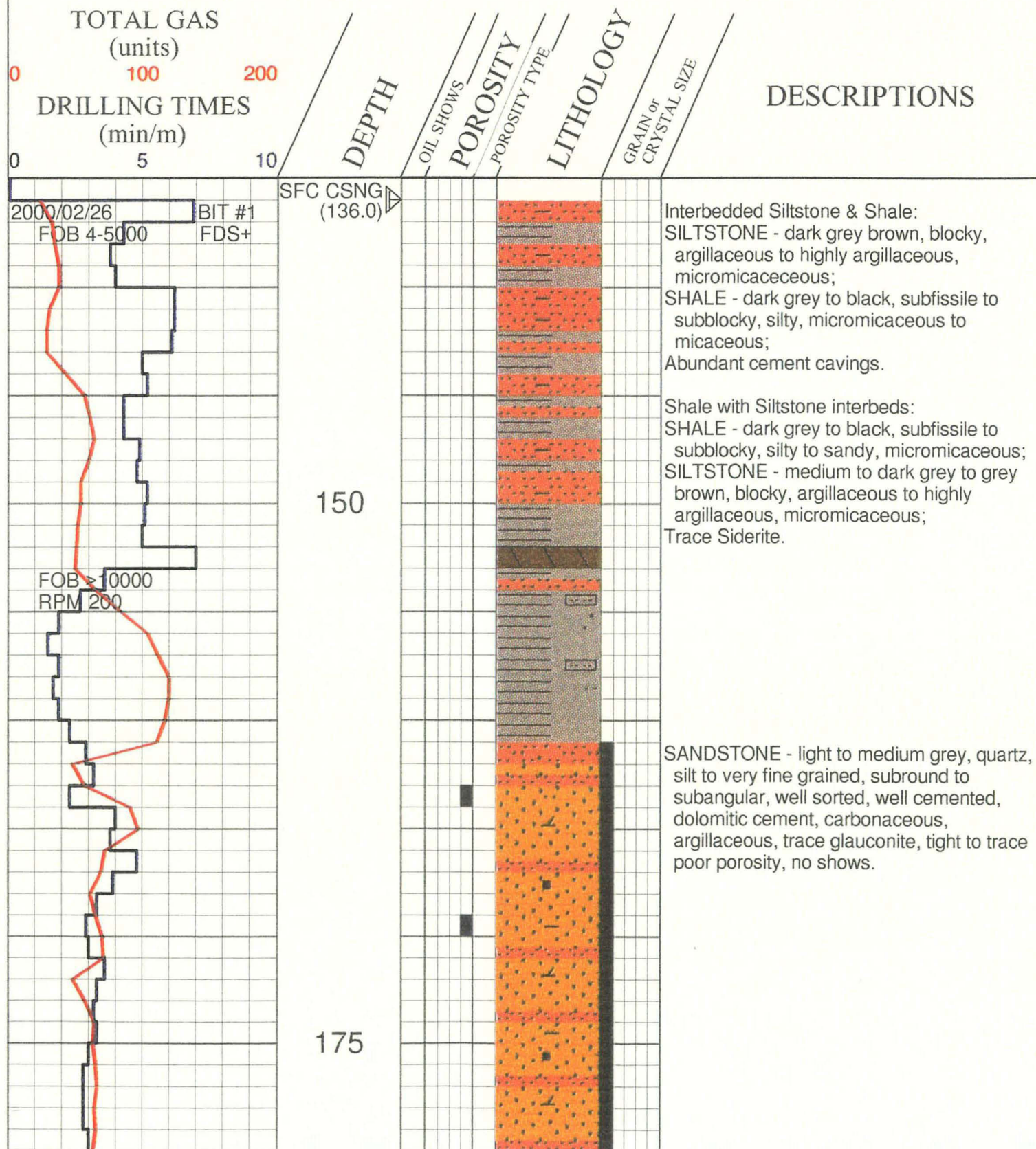
CASING SIZE

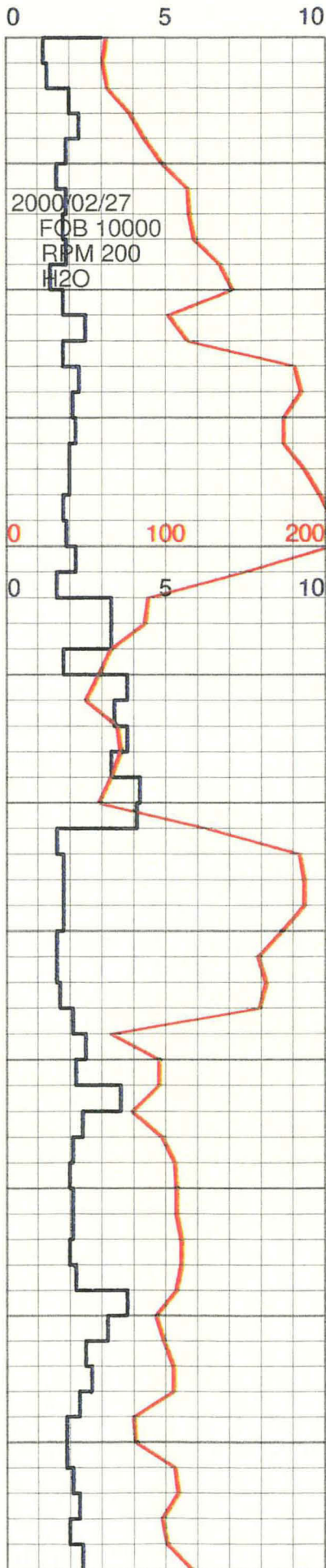
SURFACE: 244.5 mm
INTERMEDIATE: mm
MAIN: mm

HOLE SIZE

SURFACE: 311.2 mm
INTERMEDIATE: 222 mm
MAIN: 159.4 mm

REMARKS:

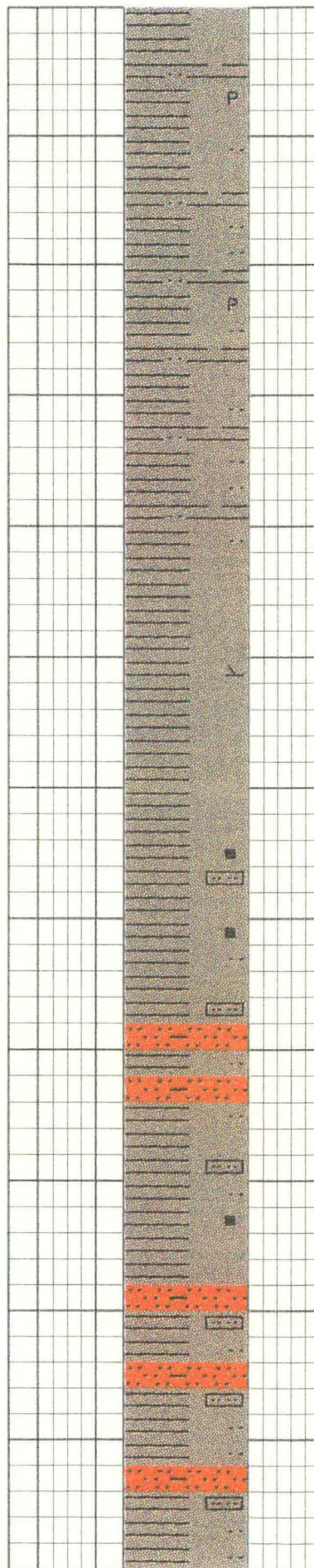




200

225

S-1.0°

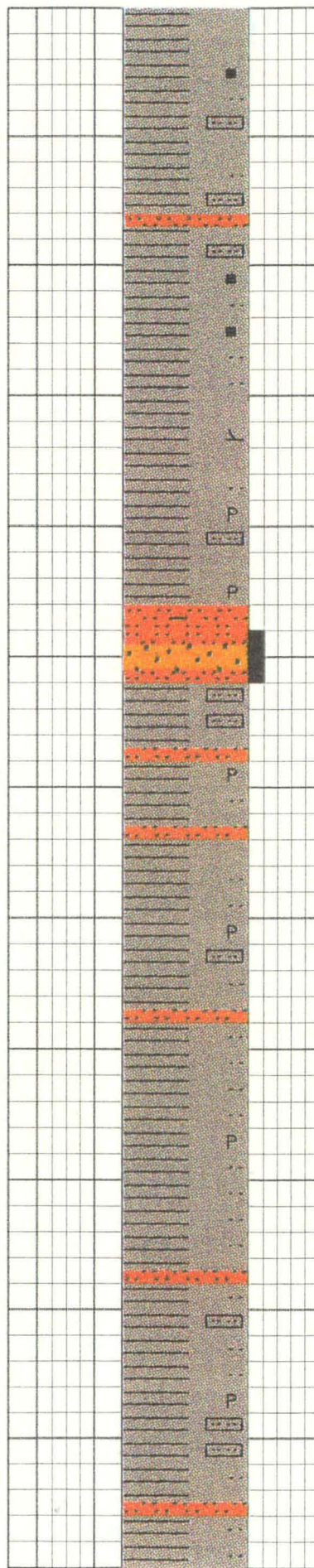
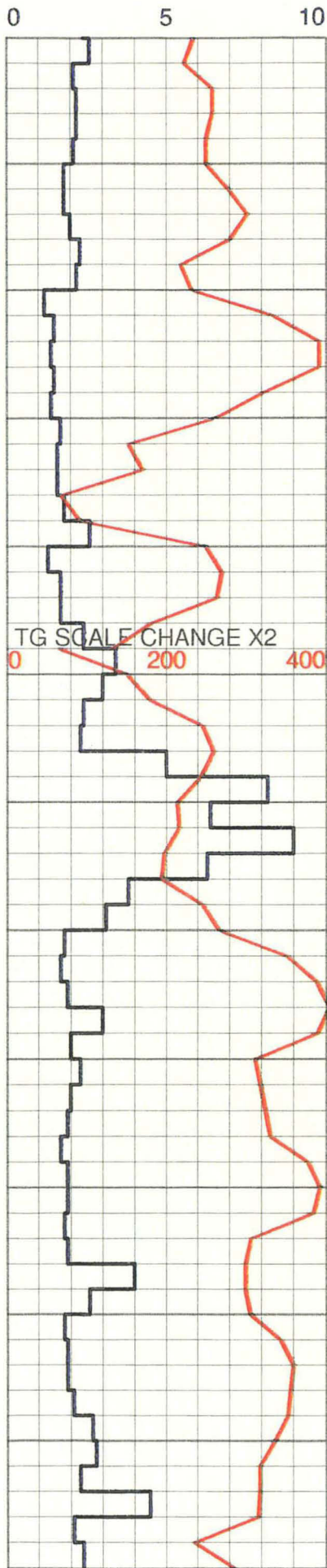


SHALE - dark grey to black, fissile to subfissile, silty, micaceous, trace disseminated pyrite.

SHALE - dark grey, blocky to subblocky, micromicaceous;
Minor Siderite stringers.

Shale with Siltstone interbeds & stringers:
SHALE - dark grey to black, fissile to subfissile, silty grading to argillaceous
Siltstone in part, micromicaceous, trace carbonaceous;
SILTSTONE - dark grey to grey brown, blocky, argillaceous, micromicaceous.

Shale with Siltstone stringers:
SHALE - dark grey to black, fissile to subfissile, silty grading to argillaceous
Siltstone in part, micromicaceous, trace carbonaceous;
Minor Siderite.

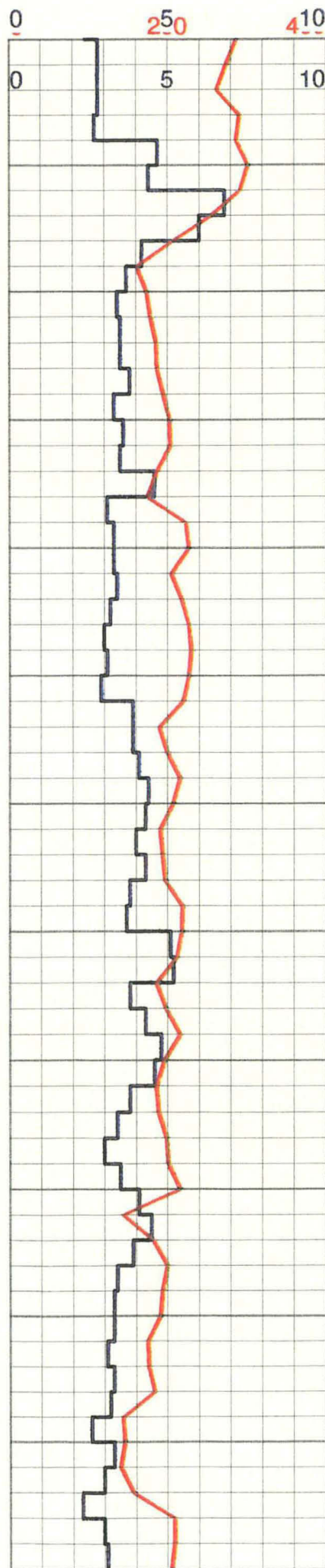


SHALE - dark grey to black, fissile to subfissile, silty grading to argillaceous Siltstone in part, micromicaceous, trace carbonaceous.

SHALE - dark grey, subfissile to blocky, silty, micromicaceous, trace pyrite, carbonaceous in part. Trace Siderite stringers.

Shale with Siltstone interbeds:
 SHALE - dark grey to black, subfissile, blocky, silty, micromicaceous, common disseminated pyrite;
 SILTSTONE - dark grey to grey brown, argillaceous, sandy grading to very fine Sandstone in part, rare glauconite, micromicaceous;
 Abundant cement cavings?.

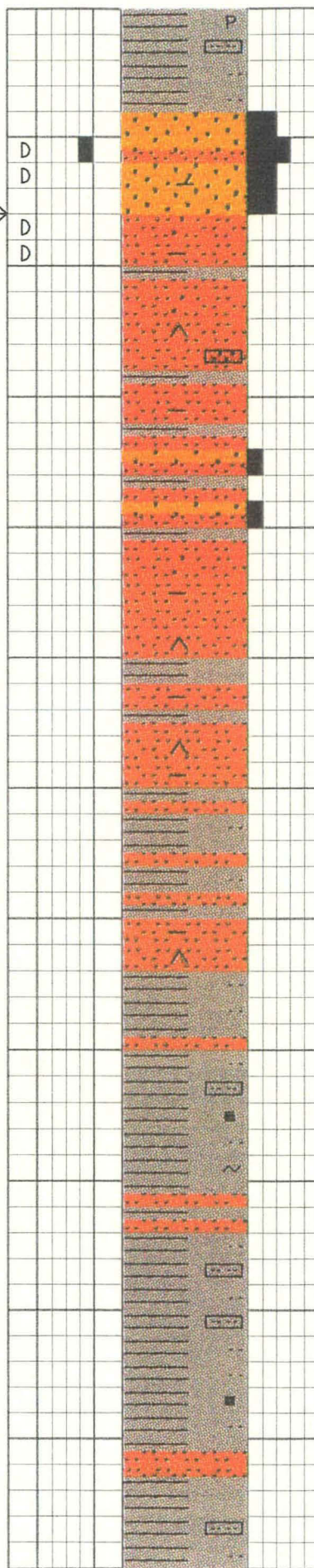
SHALE - dark grey, fissile to subfissile, silty grading to argillaceous Siltstone in part, micromicaceous, minor disseminated pyrite.



IMPERIAL
(308.0)

S-2.0°
325

350



SANDSTONE - light grey to off white, quartz, very fine to minor medium grains, angular to subangular, well sorted, poorly cemented to loose, dolomitic cement, tight to trace poor porosity, no shows.

Siltstone with Shale interbeds & laminae:
SILTSTONE - grey to grey brown, siliceous, sandy grading to very fine Sandstone in part, argillaceous;

SHALE - dark grey, fissile, silty, micromicaceous, trace carbonaceous.

Interbedded Siltstone & Shale:

SILTSTONE - grey to grey brown, siliceous, sandy grading to very fine Sandstone in part, argillaceous;

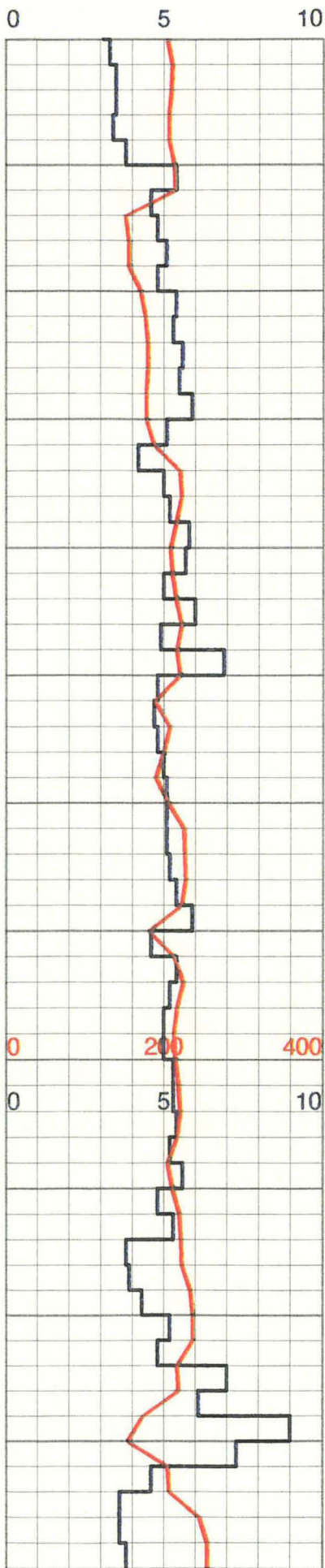
SHALE - dark grey, fissile, silty, micromicaceous, trace carbonaceous.

Shale with Siltstone stringers:

SHALE - dark grey, fissile to subfissile, platy in part, silty to highly silty, minor carbonaceous material, rare trace glauconite, micromicaceous;

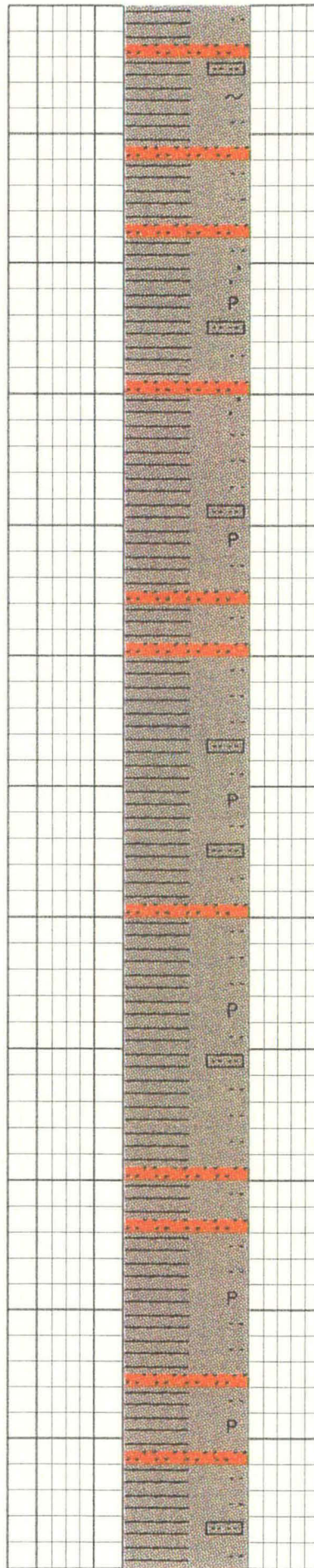
SILTSTONE - grey to grey brown, siliceous, sandy, argillaceous;

Minor Siderite stringers.



S-2.5°
375

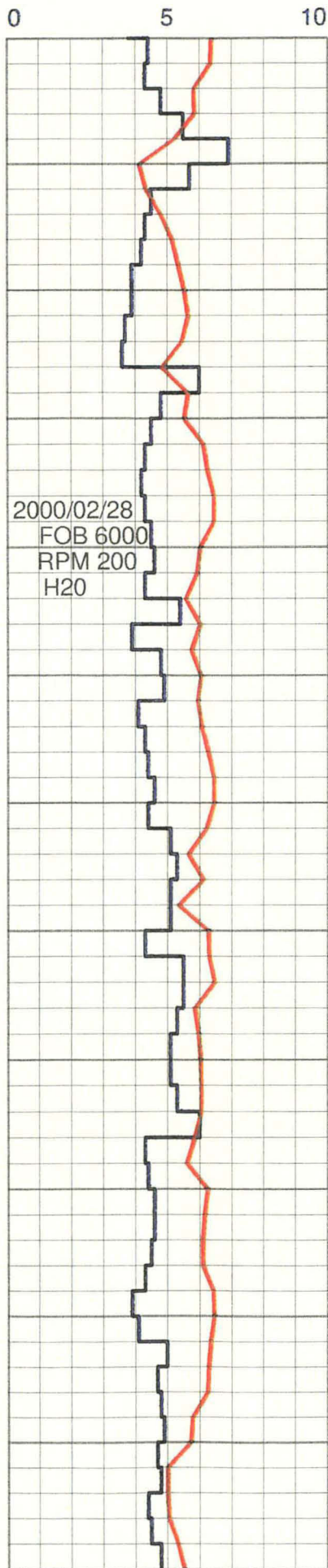
400



Shale with minor Siltstone stringers:
SHALE - dark grey, fissile to subfissile, platy, firm, silty to sandy, trace glauconite, minor disseminated pyrite, micromicaceous.

SHALE - dark grey, fissile to subfissile, platy, firm, silty grading to argillaceous Siltstone in part, trace disseminated pyrite, micromicaceous.

SHALE - dark grey, fissile to subfissile, platy, firm, silty grading to argillaceous Siltstone in part, trace disseminated pyrite, micromicaceous.



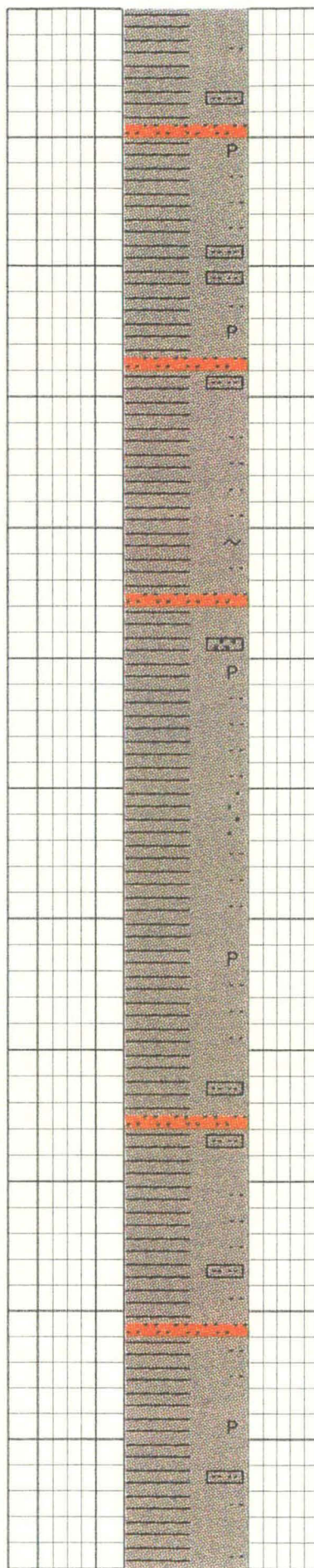
S-2.5°

425

450

S-3.0°

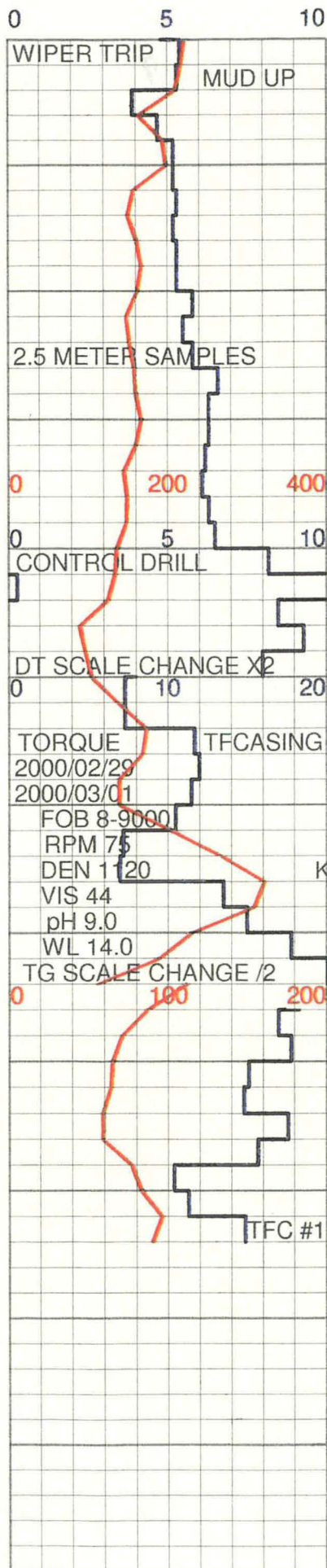
475



Shale with minor Siltstone stringers:
SHALE - dark grey, fissile to subfissile, platy, firm, silty grading to argillaceous Siltstone in part, rare glauconite, trace disseminated pyrite, micromicaceous;
Trace Siderite.

SHALE - dark grey, fissile to subfissile, firm, silty to sandy, trace disseminated pyrite, micromicaceous.

SHALE - dark grey to black, fissile, platy, firm, silty to highly silty, minor disseminated pyrite, micromicaceous;
Minor Siderite & Siltstone stringers.

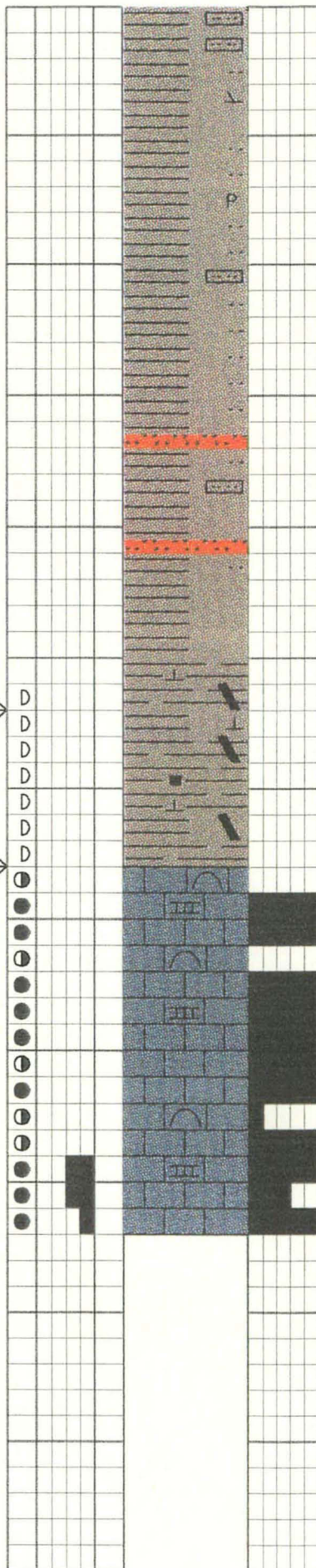


S-2.0°
500

CANOL (507.0)

KEE SCARP (513.0)

525



SHALE - dark grey to black, fissile, platy, firm, silty, minor disseminated pyrite, micromicaceous; Minor Siderite & Siltstone stringers.

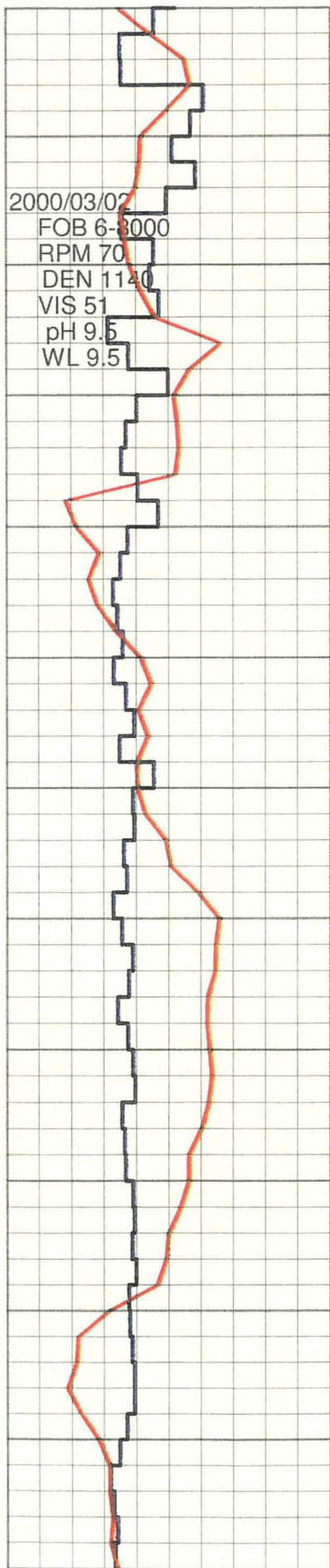
SHALE - dark grey to black, subblocky to blocky, minor disseminated pyrite, slightly silty, calcareous, slightly bituminous.

SHALE - dark grey to black to deep brown, fissile to subfissile, blocky, carbonaceous, bituminous, calcareous in part.

LIMESTONE - white to dark brown, fine to coarse calcirudite, stromatoporoid biomicrite, floatstone to rudstone, coral biomicrite matrix, slightly argillaceous, spotty to even oil staining, slow white cut, tight to trace poor chalky porosity.

LIMESTONE - as above, even oil staining, slow white cut, poor to fair (3-10%) chalky porosity,

0 20 40

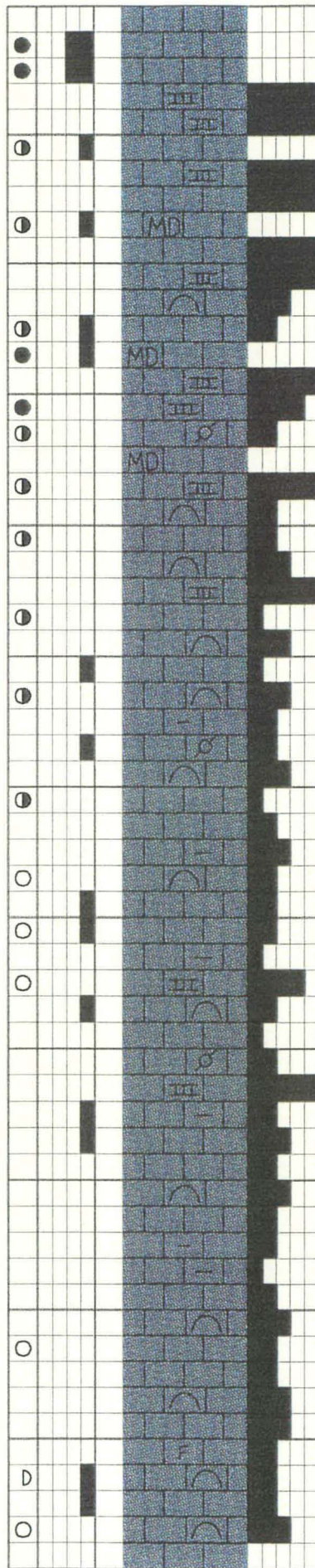


550

S-2.0°

575

600

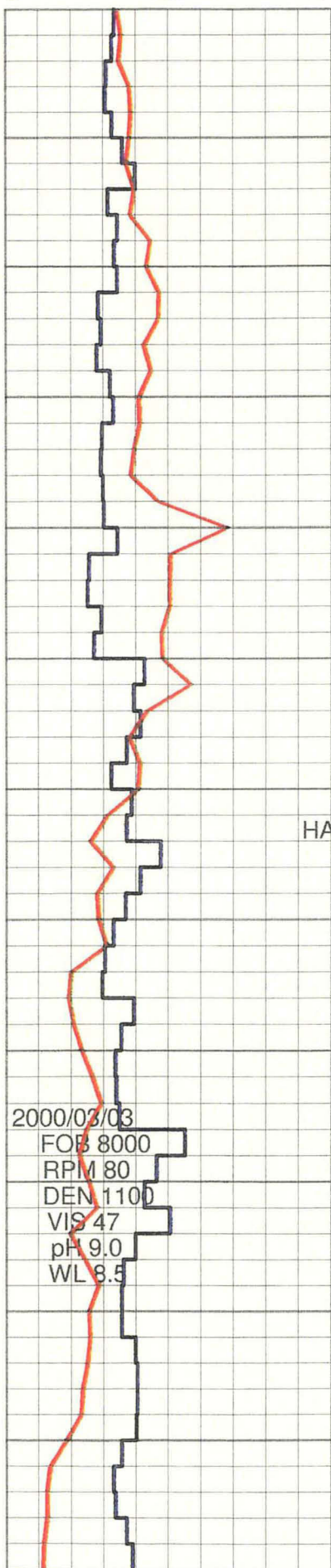


oil stain 547.5 (melt oil) ✓
 512 ✓ 530 ✓

oil stain (air bubble)

SHALE - medium to dark grey, silty in part,
 bentonitic, very slightly calcareous, soft.

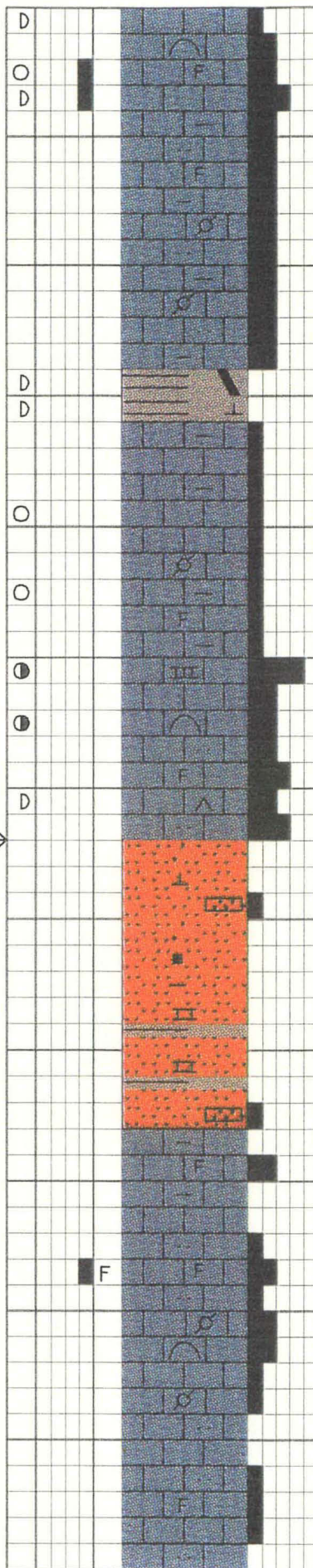
0 20 40



625

HARE INDIAN
 (637.0)

650



Shale with Siltstone interbeds:
 SHALE - medium to dark grey, soft, bentonitic;
 SILTSTONE - medium to dark greyish brown, argillaceous, poorly cemented, rare fine to coarse sand grains.

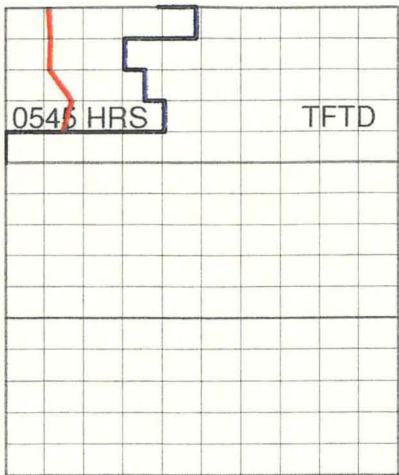
Blue clay

Siltstone with Shale interbeds:
 Siltstone - medium to dark grey brown, silt grading to very fine Sandstone in part, poorly cemented, argillaceous;
 SHALE - medium to dark grey, silty, soft, trace carbonaceous.

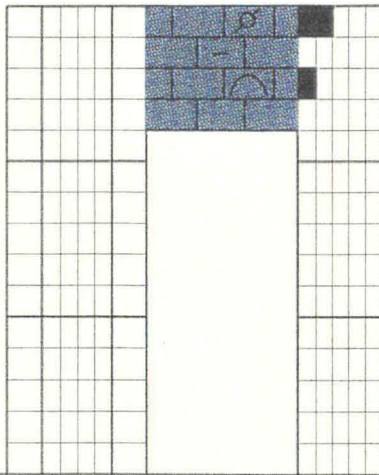
SANDSTONE - clear quartz to light brown, minor chert, very fine to fine grained, rare coarse frags, subround to angular, well sorted, unconsolidated, argillaceous, trace pyrite, poor(3%)porosity.

SANDSTONE - as above, silty grading to Siltstone, argillaceous, poor porosity; Shale laminae.

0 20 40



675



Predominantly cement cavings, poor returns over shaker.

CORE STUDY No. 1

FORMATION: KEE SCARP

CORE: START 527.6 m

END 536.6 m

CUT 9.0 m

RECOVERED 9.0 m

SIZE 156 mm

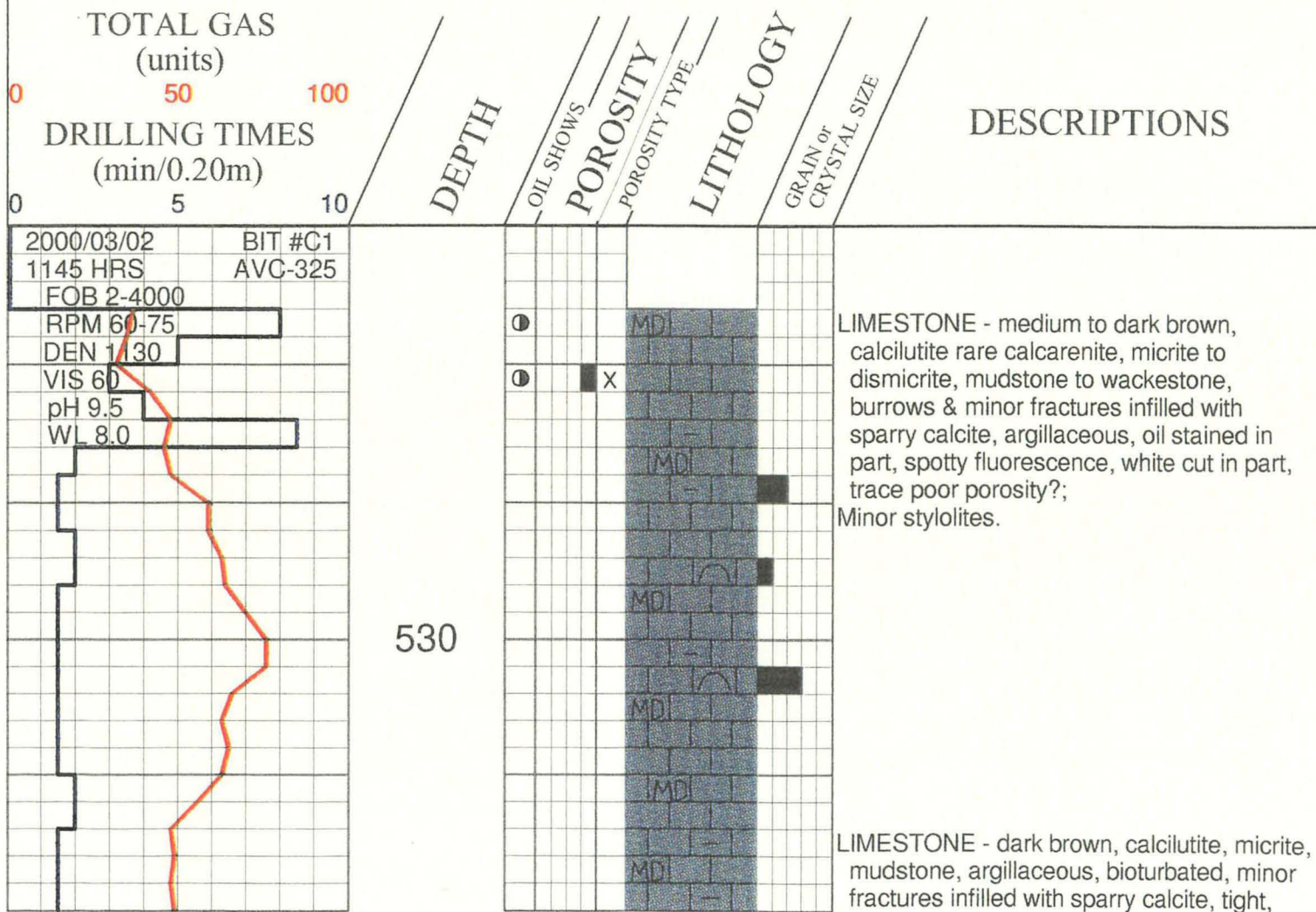
CORING TIME 1.75

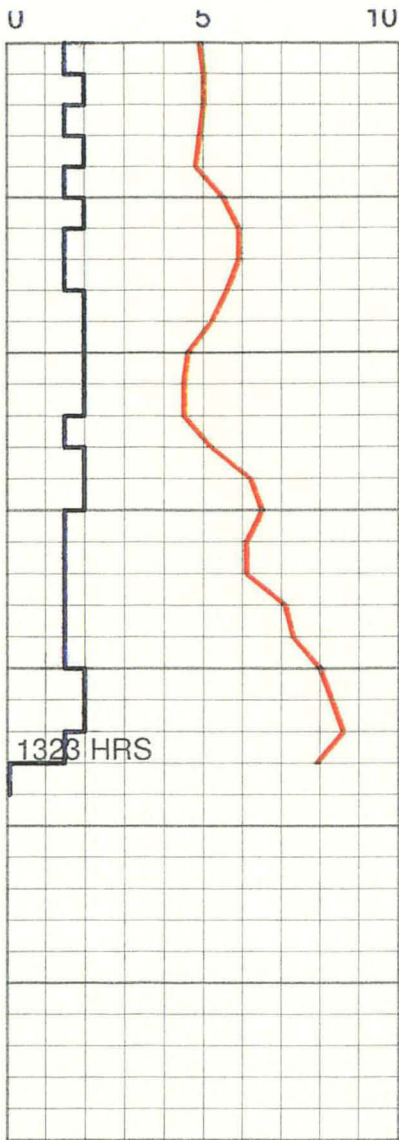
COMPANY: BAKER HUGHES

CORE HAND: RICHARD ROONEY

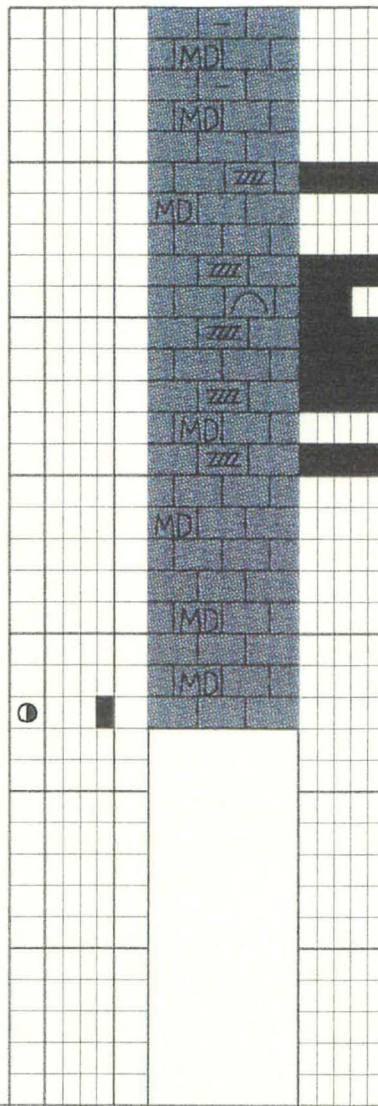
REMARKS: 7 BOXES OF CORE SENT TO CALGARY VIA AIR

SCALE 1:48





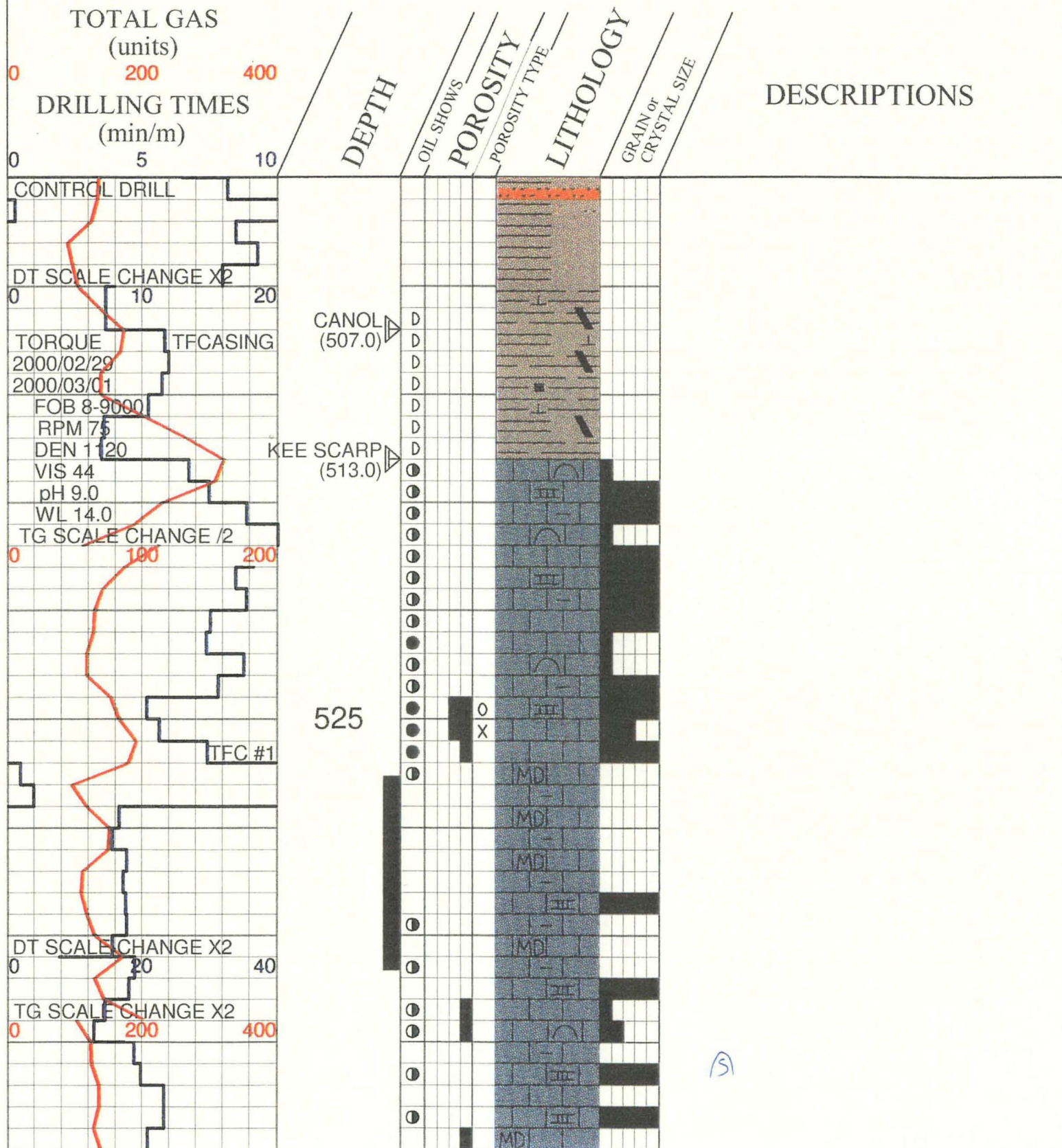
535



no shows.

LIMESTONE - medium to dark brown, calcilutite to calcirudite, micrite to biomicrite with interbeds of biomicrudite, mudstone to wackestone, rudstone, argillaceous in part, biturbated in part with sparry calcite infill, tight to trace poor porosity, trace spotty shows, white cut.

SCALE 1:240



ROCK TYPE

	CONGLOMERATE
	SANDSTONE
	SILTSTONE
	SHALE, grey
	SHALE, black
	SHALE, coloured
	CHERT
	LIMESTONE
	DOLOMITE

	ANHYDRITE
	COAL
	CLAYSTONE, grey
	CLAYSTONE, col
	MARLSTONE, calc
	MARLSTONE, dol
	SALT
	SIDERITE, LIMONITE
	BRECCIA

	IGNEOUS, basic
	IGNEOUS, acidic
	CANNOT INTERPRET
	NO SAMPLE
	CEMENT
	TUFF
	ULTRABASIC

ACCESSORIES

	SANDY
	SILTY
	FELDSPAR
	SILICEOUS
	CHERTY, light
	CHERTY, dark
	ARGILLACEOUS
	CARBONACEOUS
	BITUMENOUS
	CALCAREOUS
	LIMESTONE strg
	DOLOMITIC
	DOLOMITE strg
	ANHYDRITIC
	ANHYDRITE strg
	PHOSPHATE pel
	FERRUGINOUS

	GLAUCONITIC
	BENTONITIC
	PYRITIC
	KAOLINITIC
	BIOCLASTIC
	OOLITES
	PELLETS
	INTRACLASTS
	FOSSILS
	CRINOID
	PELECYPOD
	BRACHIOPOD
	OSTRACOD
	CORAL
	STROMATOPOROID
	AMPHIPORA
	FISH REMAINS

	PLANT REMAINS
	BRECCIA frag
	SANDSTONE strg
	SILTSTONE strg
	SHALE lam
	TUFFACEOUS
	Heavy, dark Minerals
	FORAMINIFERA/Rad
	ANTIGORITE
	BRUCITE
	BRONZITE
	CHROMITE
	CHRYSTILE
	DUNITE
	TALC
	SERPENTINE

OIL SHOWS

●	EVEN STAINING, FLUORESCES
◐	SPOTTY STAIN, FLUORESCES
○	QUESTIONABLE, NO FLUORESCENCE,
D	DEAD, ASPHALTIC

POROSITY TYPES

X	INTERCRYSTALLINE, INTERGRANULAR
φ	INTEROOLITIC, INTEPELLETOID,
V	VUGGY,
P	PINPOINT,
∕	MOLDIC
○	ORGANIC
F	FRACTURE
e	EARTHY
□	FENESTRAL

DUNHAM CLASSES

PK	PACKSTONE
WK	WACKESTONE
MD	MUDSTONE
BD	BOUNDSTONE
GR	GRAINSTONE