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

COMPOSITE WELL HISTORY
DRILLING TIME
LITHOLOGY LOG

COMPANY: AEC OIL & GAS LTD
WELL: AEC (WEST) RENAISSANCE CARCAJOU O-47
FIELD: EXPLORATORY
PROVINCE: NWT
LOCATION: LSD SEC TWP RGE W MERIDIAN

COORDINATES: 7276663.6 N 516746.48 E
ELEVATIONS: GD 57.2 m LOG MEASURED FROM KB
KB 61.5 m 4.3 m ABOVE GROUND
WELL TYPE: EXPLORATORY TOTAL DEPTH:
SPUD DATE: 2000-03-20 T.D. DATE:
LICENCE No.: 1891 AFE No.: 5000048

CONTRACTOR: AKITA #14
MUD TYPE: GEL CHEM
MUD UP @:
SAMPLES: 5 & 2.5 METER INTERVALS
AEC/REN: 135 TO T.D. METERS
GOV'T: 135 TO T.D. METERS
DSTs: NONE

CORES: NONE

OPEN HOLE LOGS: SCHLUMBERGER

SUPERVISION
GEOLOGICAL: Glen MacIntosh
DRILLING: ALLAN ANGER

CASING DEPTH
SURFACE: 125 m
INTERMEDIATE: m
MAIN: m

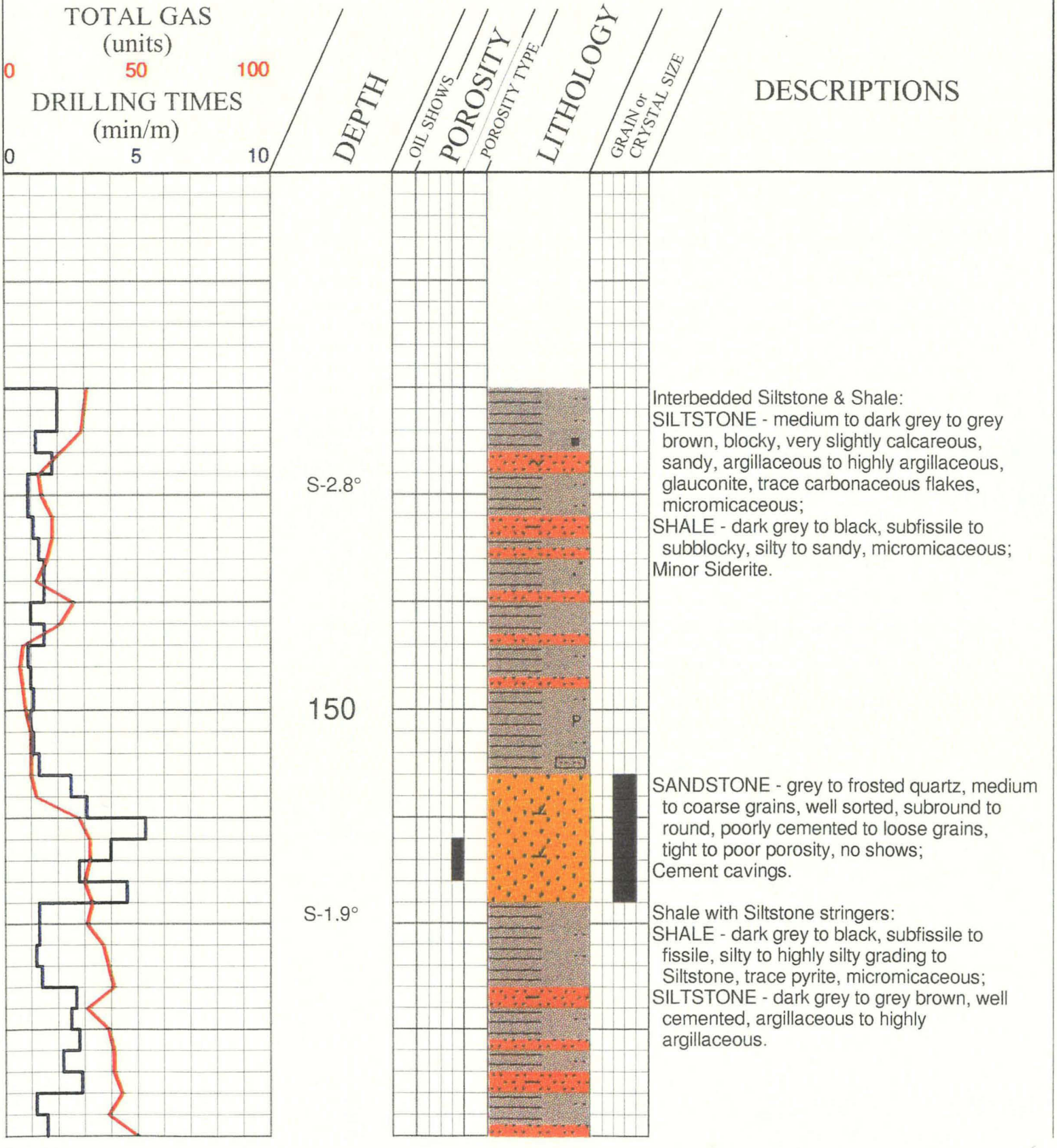
CASING SIZE
SURFACE: 244.5 mm
INTERMEDIATE: 177.8 mm
MAIN: 114.3 mm

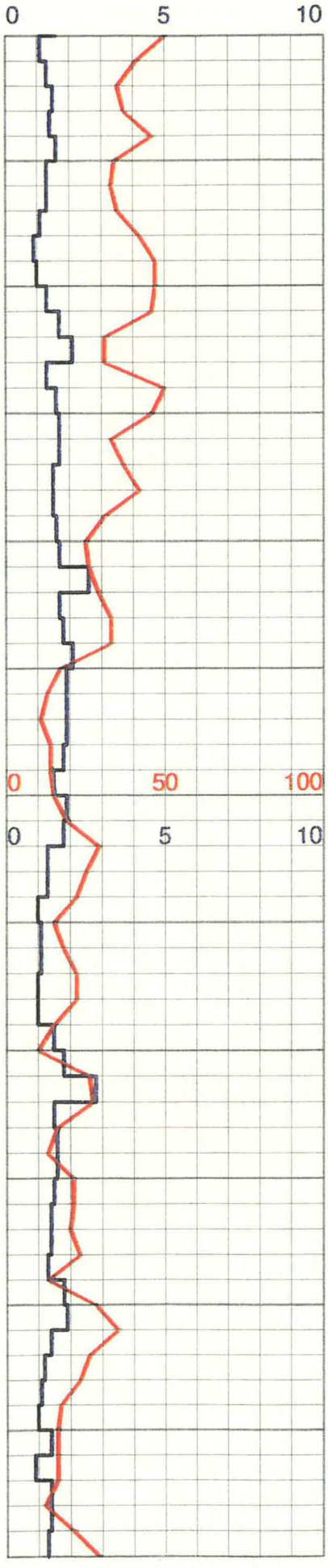
HOLE SIZE
SURFACE: 311 mm
INTERMEDIATE: 222 mm
MAIN: 156 mm

REMARKS:

CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240





175

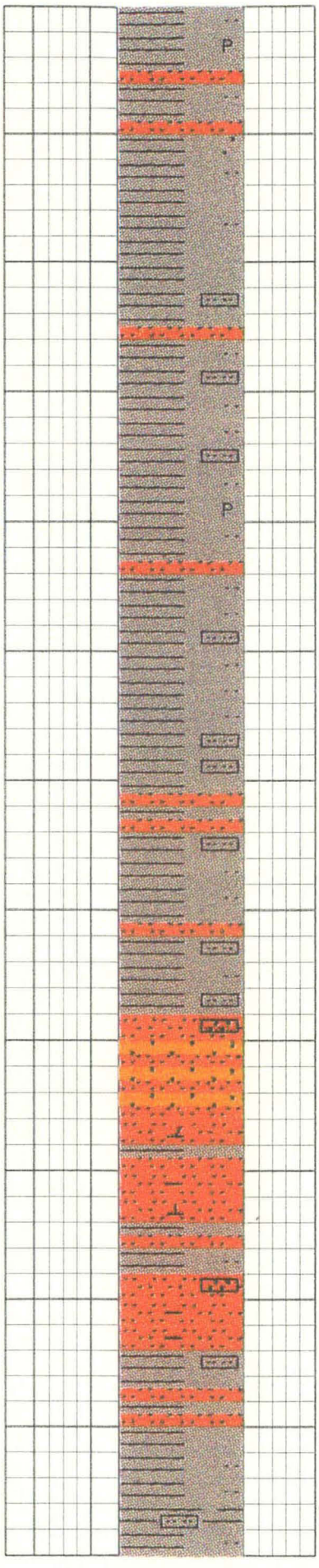
S-1.2°

200

S-1.5°

225

S-1.6°

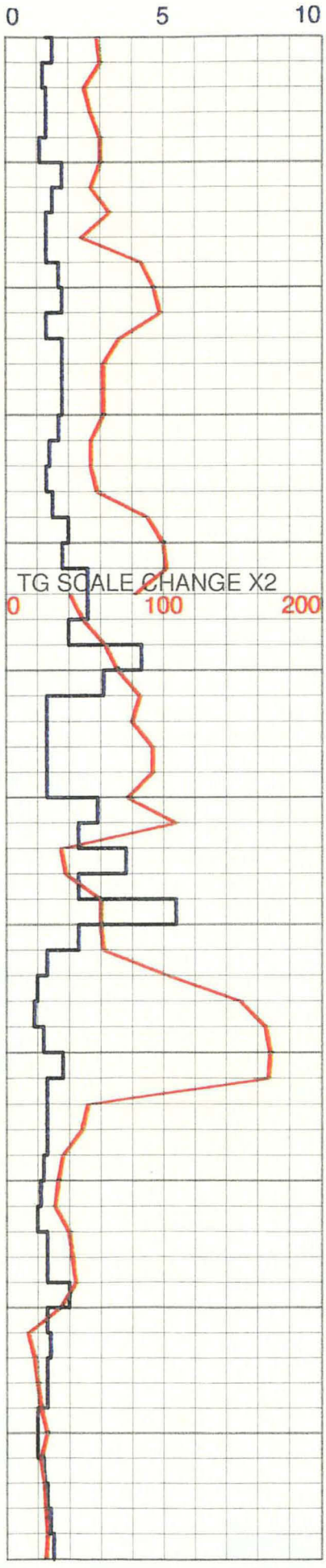


Shale with Siltstone stringers:
SHALE - dark grey to black, subfissile to fissile, silty to highly silty grading to Siltstone, trace pyrite, micromicaceous;

Shale with Siltstone stringers:
SHALE - dark grey to black, fissile to subfissile, silty to sandy grading to agillaceous Siltstone, micromicaceous.

Interbedded Siltstone & Shale:
SILTSTONE - medium to dark grey, silt to very fine Sandstone, well cemented, calcareous to dolomitic cement, argillaceous, tight;
SHALE - dark grey to black, fissile to subfissile, silty to sandy grading to agillaceous Siltstone, micromicaceous.

SHALE - dark grey to black, fissile to subfissile, platy, silty, micromicaceous, slightly carbonaceous, trace pyrite;
Minor Siderite stringers.



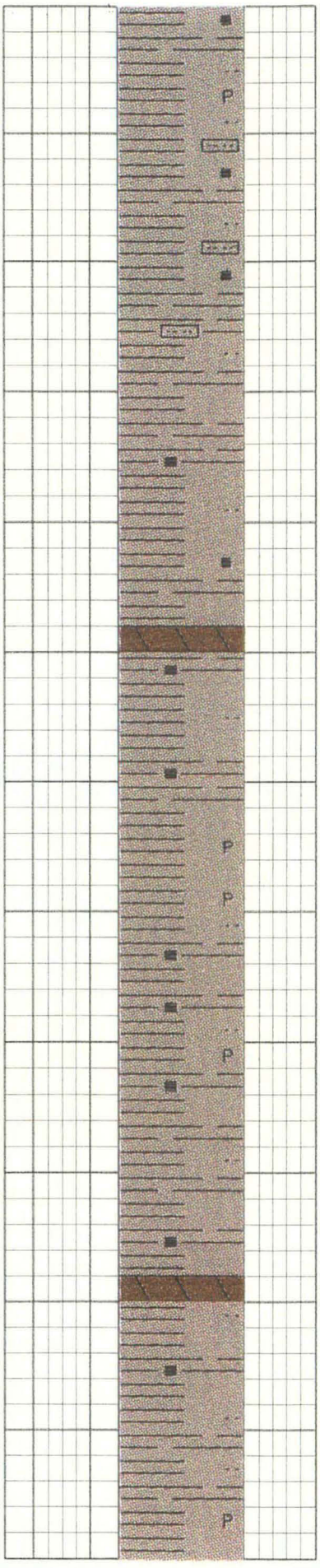
S-1.7°

250

S-0.6°

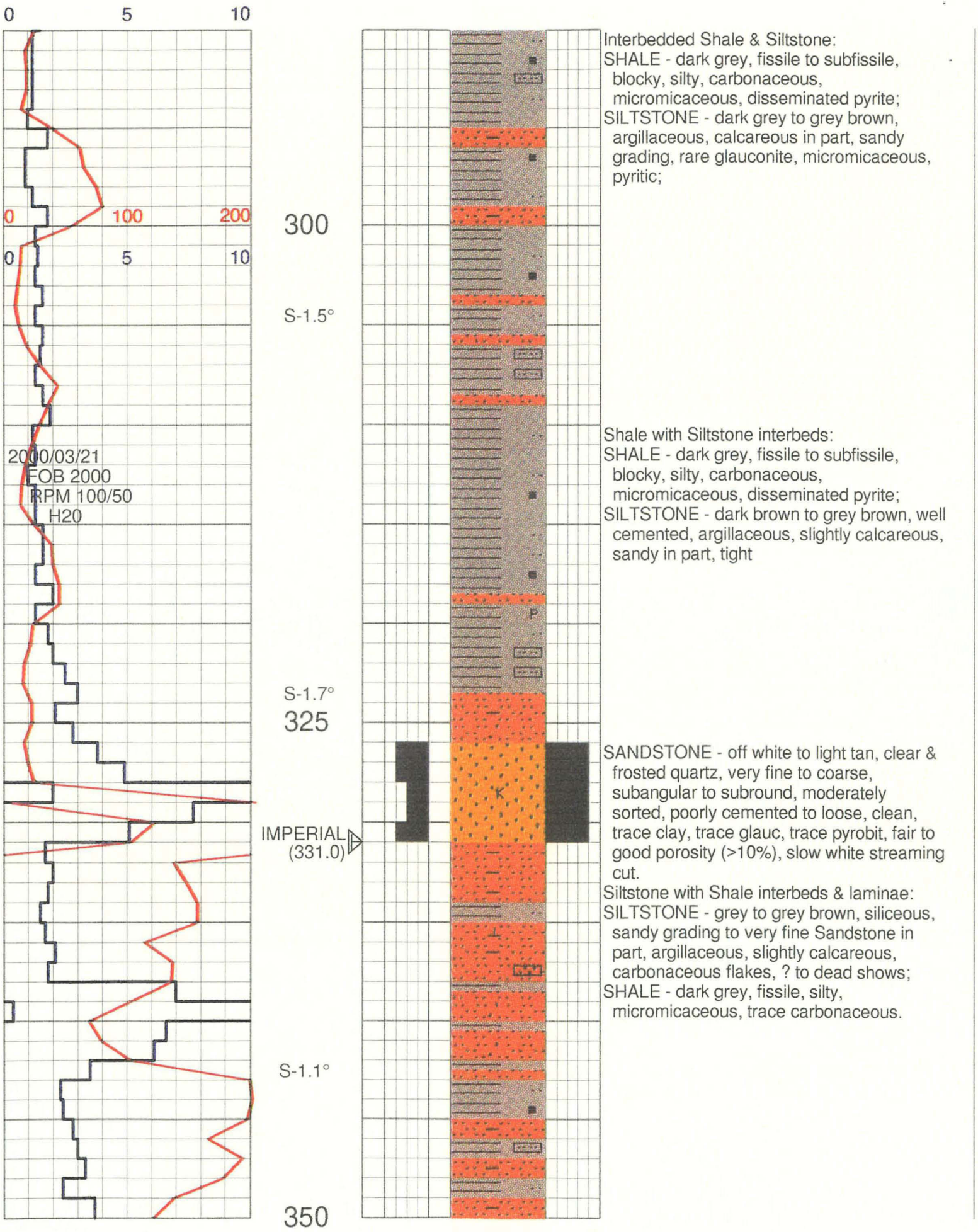
275

S-1.0°



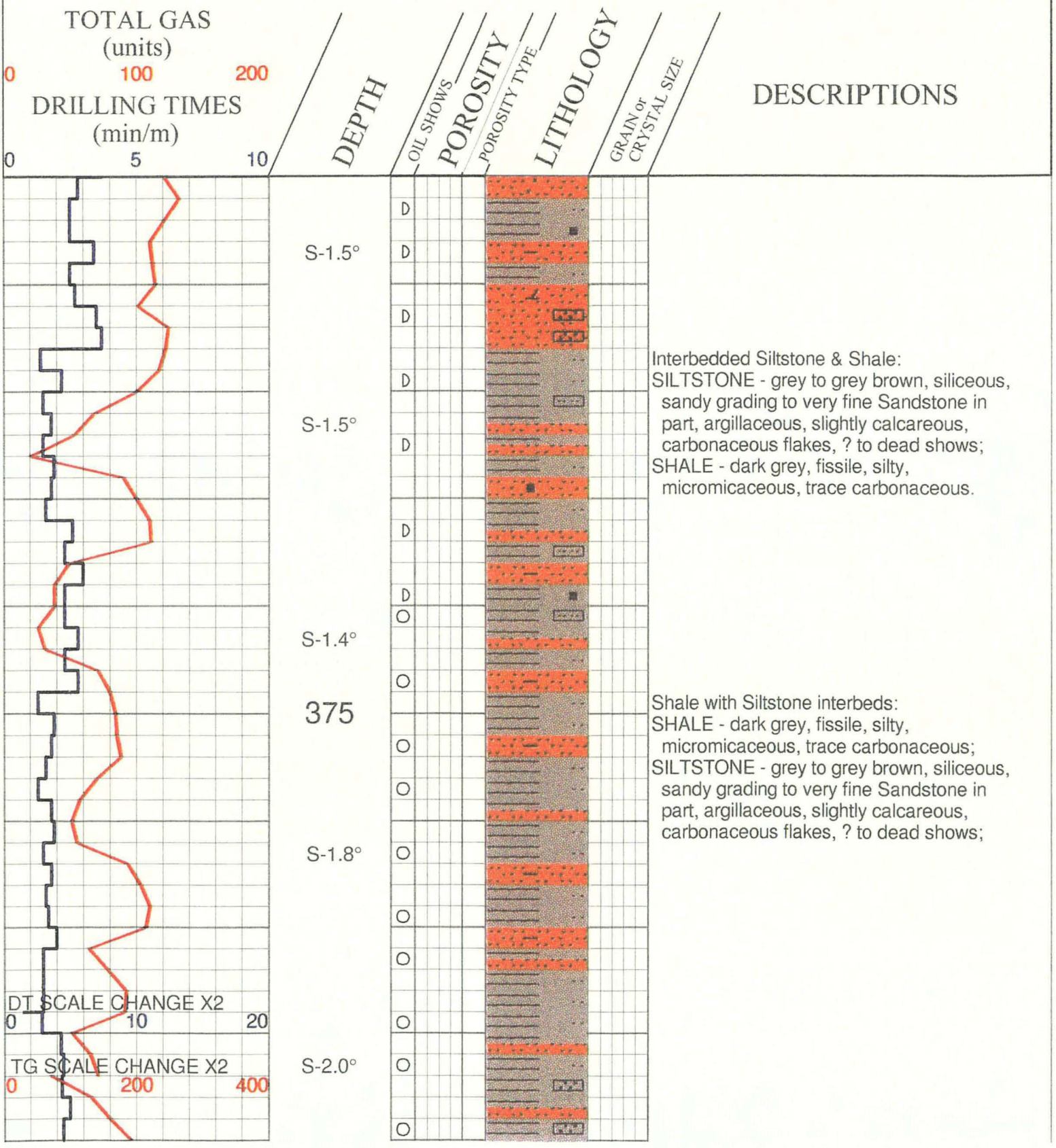
SHALE - dark grey to black, fissile to subfissile, platy, slightly silty in part, micromicaceous, minor pyrite, carbonaceous, firm;
Minor Siderite.

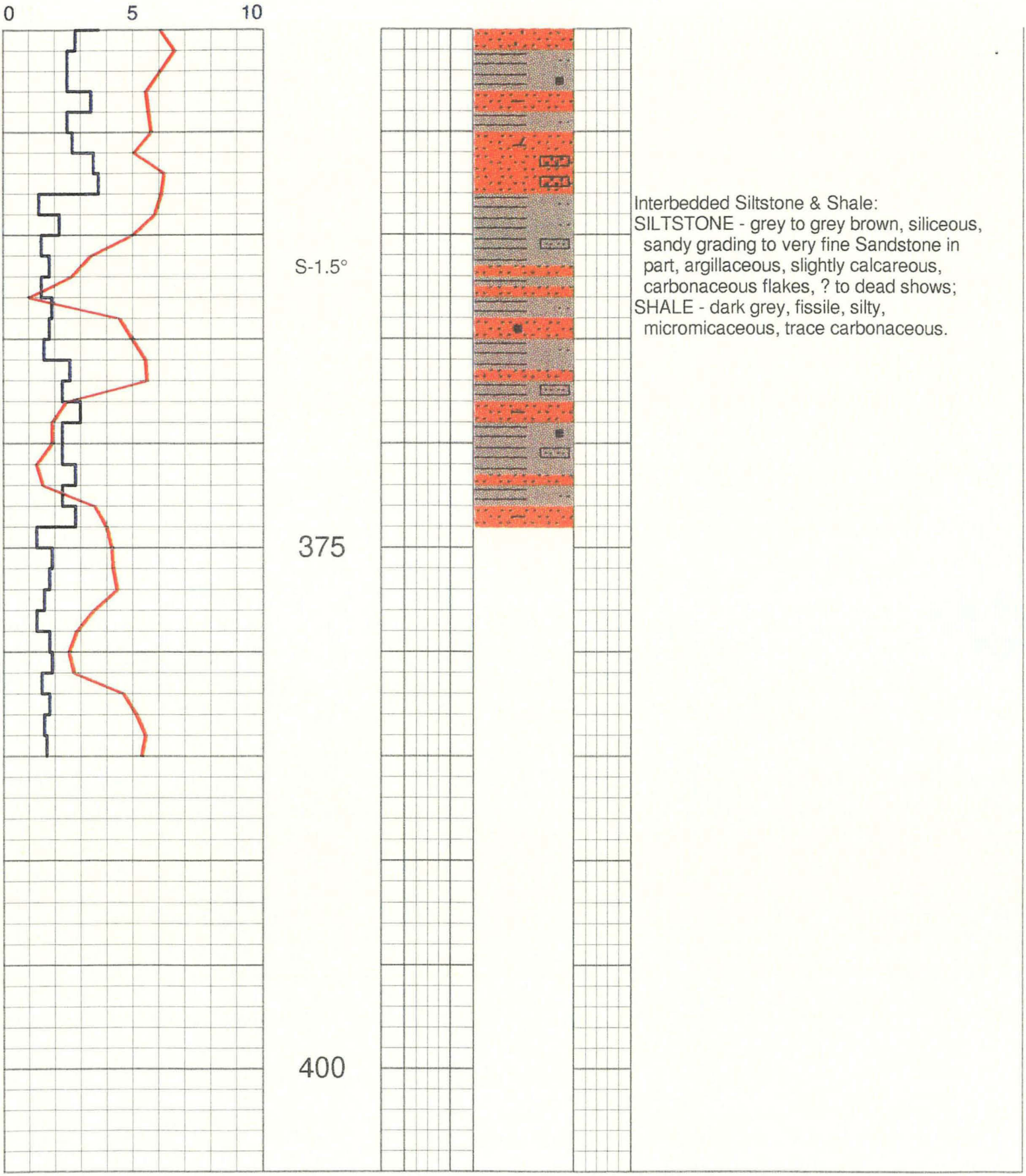
SHALE - dark grey to black, fissile to subfissile, platy, slightly silty in part, micromicaceous, minor pyrite, carbonaceous, firm;
Minor Siderite.


0
5
10
0
100
200
0
5
10
300
S-1.5°
2000/03/21
FOB 2000
RPM 100/50
H20
S-1.7°
325
IMPERIAL
(331.0)
S-1.1°
350
P
K
Interbedded Shale & Siltstone:
SHALE - dark grey, fissile to subfissile, blocky, silty, carbonaceous, micromicaceous, disseminated pyrite;
SILTSTONE - dark grey to grey brown, argillaceous, calcareous in part, sandy grading, rare glauconite, micromicaceous, pyritic;
Shale with Siltstone interbeds:
SHALE - dark grey, fissile to subfissile, blocky, silty, carbonaceous, micromicaceous, disseminated pyrite;
SILTSTONE - dark brown to grey brown, well cemented, argillaceous, slightly calcareous, sandy in part, tight
SANDSTONE - off white to light tan, clear & frosted quartz, very fine to coarse, subangular to subround, moderately sorted, poorly cemented to loose, clean, trace clay, trace glauc, trace pyrobit, fair to good porosity (>10%), slow white streaming cut.
Siltstone with Shale interbeds & laminae:
SILTSTONE - grey to grey brown, siliceous, sandy grading to very fine Sandstone in part, argillaceous, slightly calcareous, carbonaceous flakes, ? to dead shows;
SHALE - dark grey, fissile, silty, micromicaceous, trace carbonaceous.

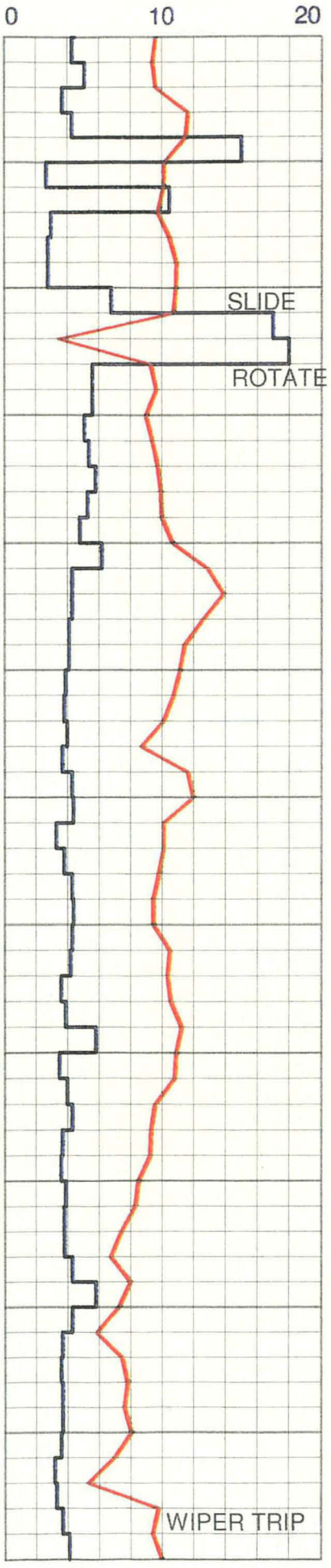
CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240





Interbedded Siltstone & Shale:
SILTSTONE - grey to grey brown, siliceous, sandy grading to very fine Sandstone in part, argillaceous, slightly calcareous, carbonaceous flakes, ? to dead shows;
SHALE - dark grey, fissile, silty, micromicaceous, trace carbonaceous.



400
S-2.1°

S-2.0°

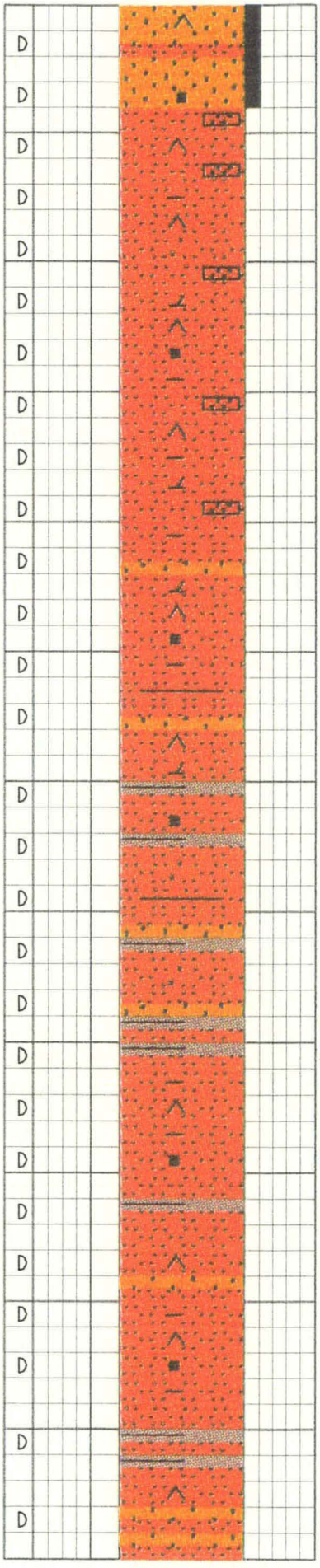
S-1.9°

425

S-2.1°

S-2.4°

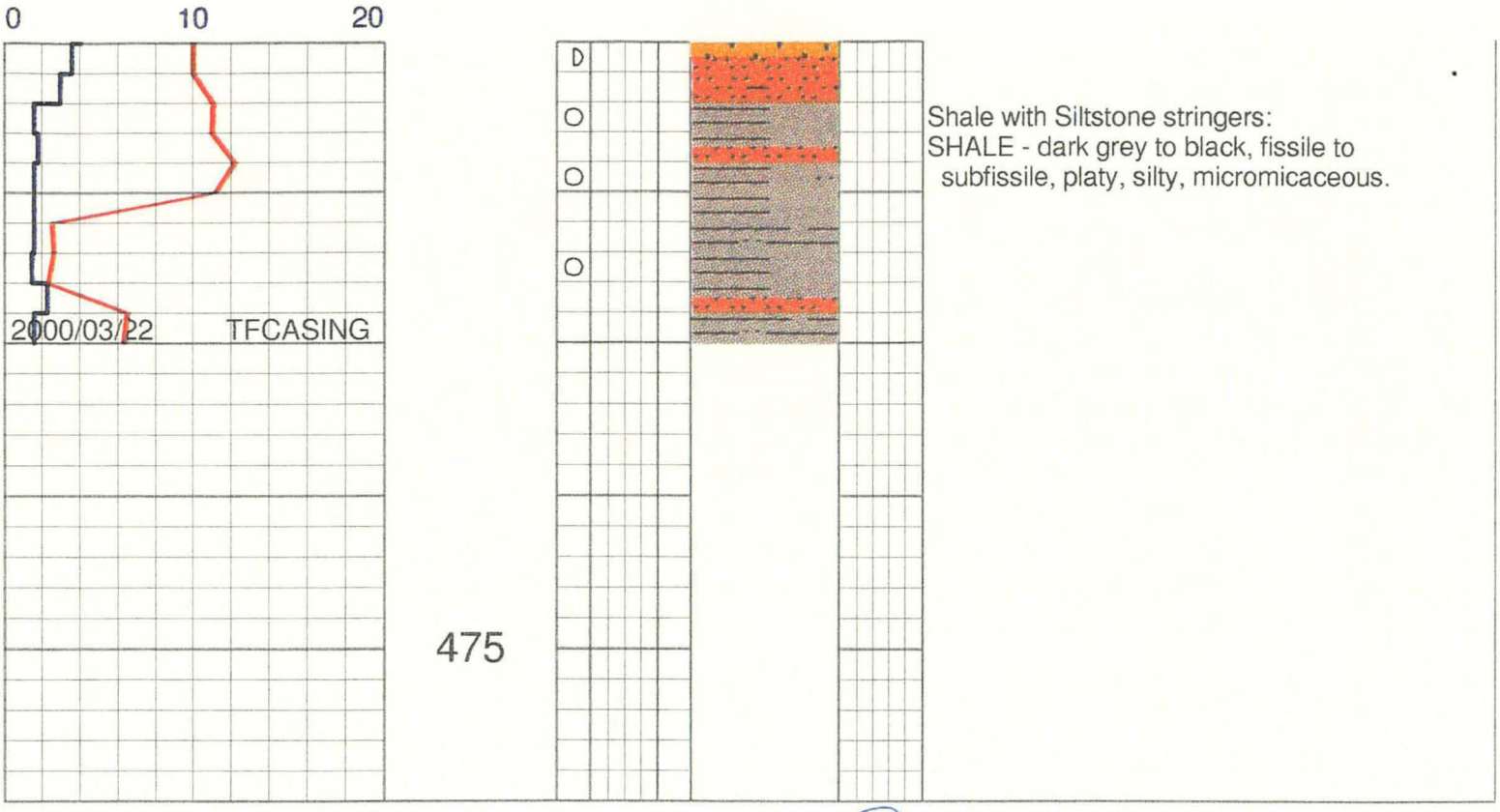
450
S-2.5°



Sandstone grading to Siltstone:
SANDSTONE - medium brown grey, silt to very fine grained, subangular, well sorted, well cemented, silica cement, slightly dolomitic, argillaceous, carbonaceous flakes, tight, fast white cut;
SILTSTONE - medium brown grey, well cemented, silica cement , dolomitic, sandy grading to Sandstone, argillaceous, carbonaceous flakes, tight, fast white cut.

Siltstone with Sandstone stringers & Shale laminae:
SILTSTONE - medium brown grey, well cemented, silica cement , dolomitic, sandy grading to Sandstone, argillaceous, carbonaceous flakes, tight, fast white cut.

SILTSTONE - medium brown grey, well cemented, silica cement , dolomitic, sandy grading to Sandstone, argillaceous, carbonaceous flakes, tight, fast white cut;
Minor Shale laminae.



Drilled out @ 9AM March 22
used AM

4PM March 22/2000

Proj (471m) @ 469m Dhi top

at 512m (4PM)

drilling 6-8m/hr

Dhi 712m → est 740 Dhi

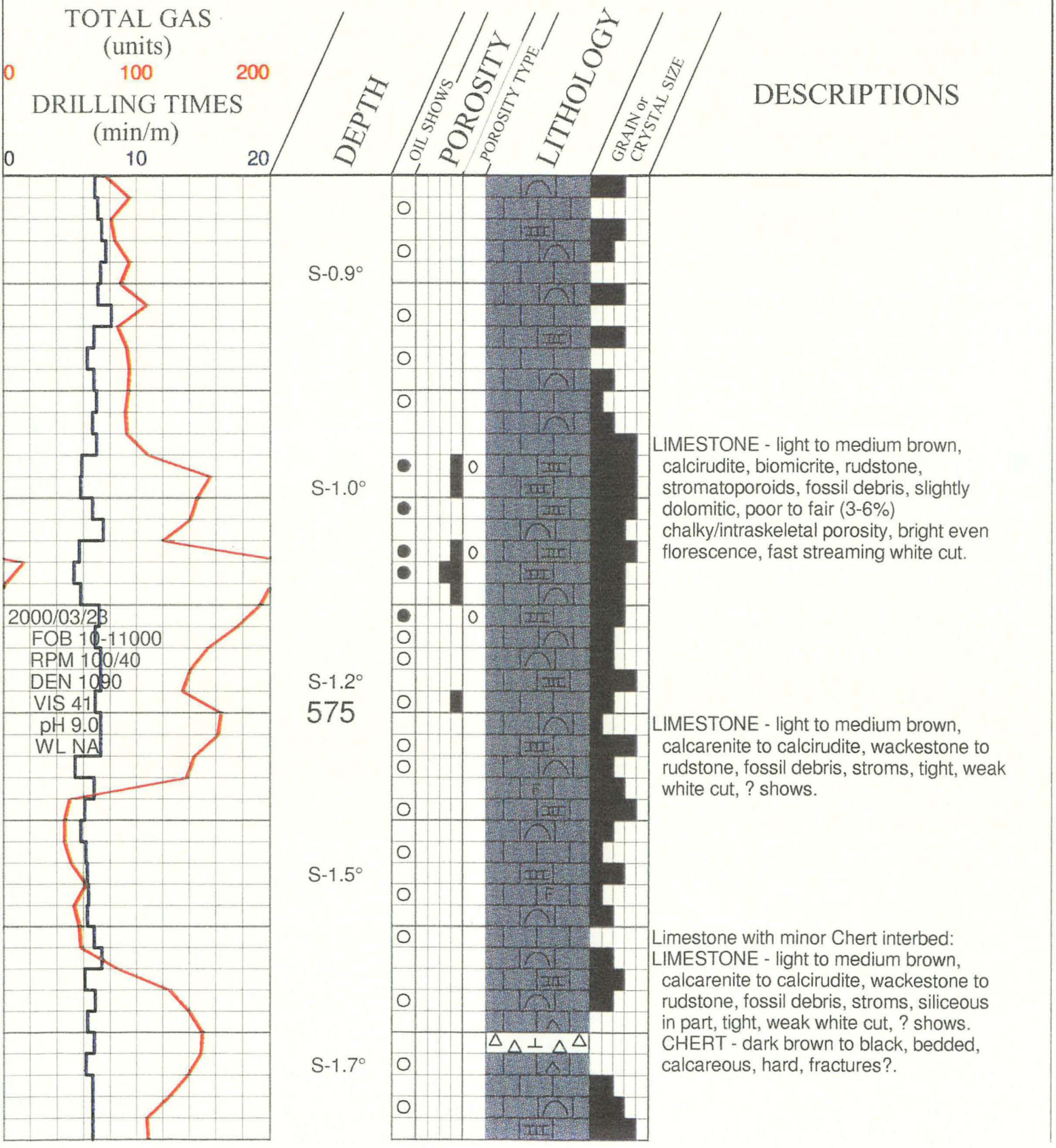
→ est 740m TD

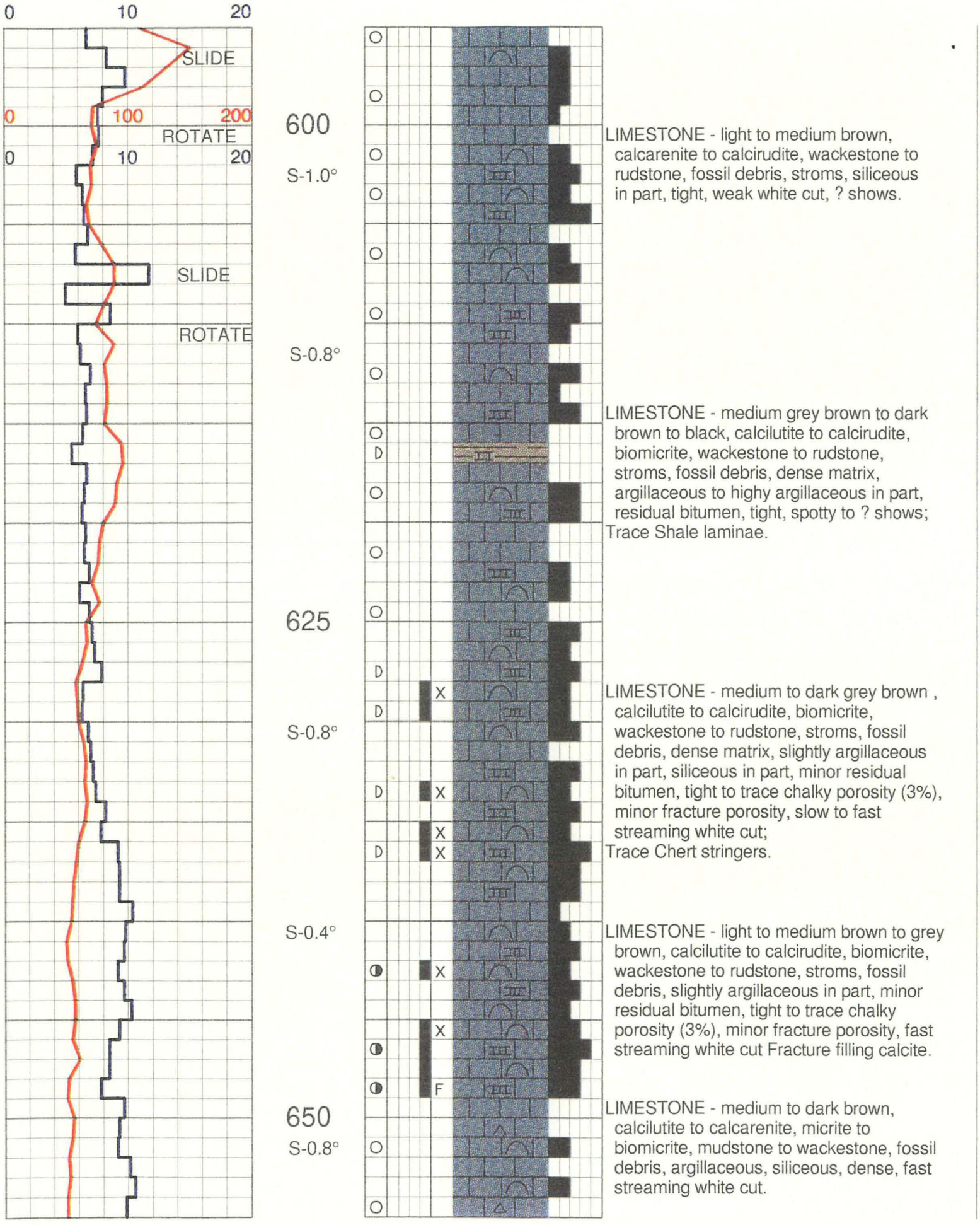
loop

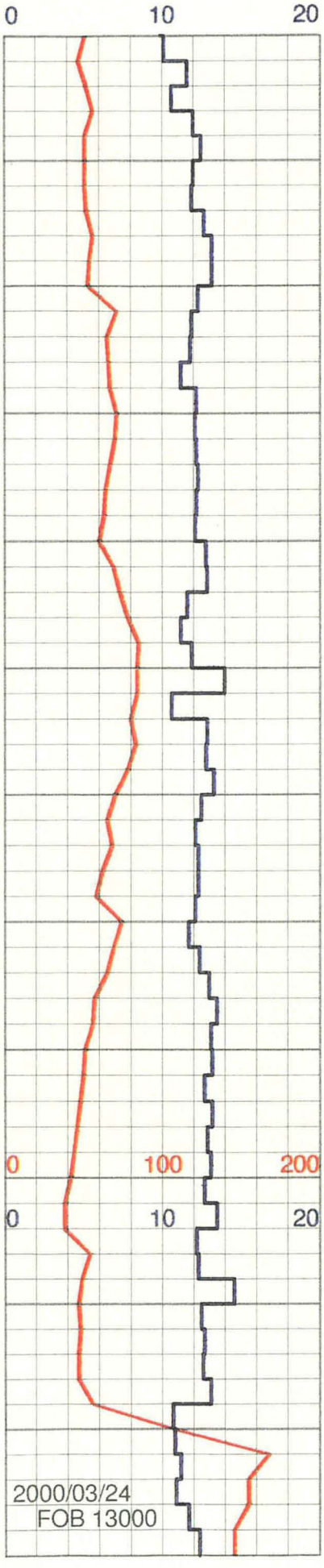
2
24
6
144
512
656 TR
144 4
800
noon Friday
~~Saturday~~
6 PM Friday March 24

CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240




0
10
20
SLIDE
0
100
200
ROTATE
0
10
20
SLIDE
ROTATE
600
S-1.0°
S-0.8°
625
S-0.8°
S-0.4°
650
S-0.8°
LIMESTONE - light to medium brown, calcarenite to calcirudite, wackestone to rudstone, fossil debris, stroms, siliceous in part, tight, weak white cut, ? shows.
LIMESTONE - medium grey brown to dark brown to black, calcilutite to calcirudite, biomicrite, wackestone to rudstone, stroms, fossil debris, dense matrix, argillaceous to highy argillaceous in part, residual bitumen, tight, spotty to ? shows; Trace Shale laminae.
LIMESTONE - medium to dark grey brown , calcilutite to calcirudite, biomicrite, wackestone to rudstone, stroms, fossil debris, dense matrix, slightly argillaceous in part, siliceous in part, minor residual bitumen, tight to trace chalky porosity (3%), minor fracture porosity, slow to fast streaming white cut; Trace Chert stringers.
LIMESTONE - light to medium brown to grey brown, calcilutite to calcirudite, biomicrite, wackestone to rudstone, stroms, fossil debris, slightly argillaceous in part, minor residual bitumen, tight to trace chalky porosity (3%), minor fracture porosity, fast streaming white cut Fracture filling calcite.
LIMESTONE - medium to dark brown, calcilutite to calcarenite, micrite to biomicrite, mudstone to wackestone, fossil debris, argillaceous, siliceous, dense, fast streaming white cut.



S-0.9°

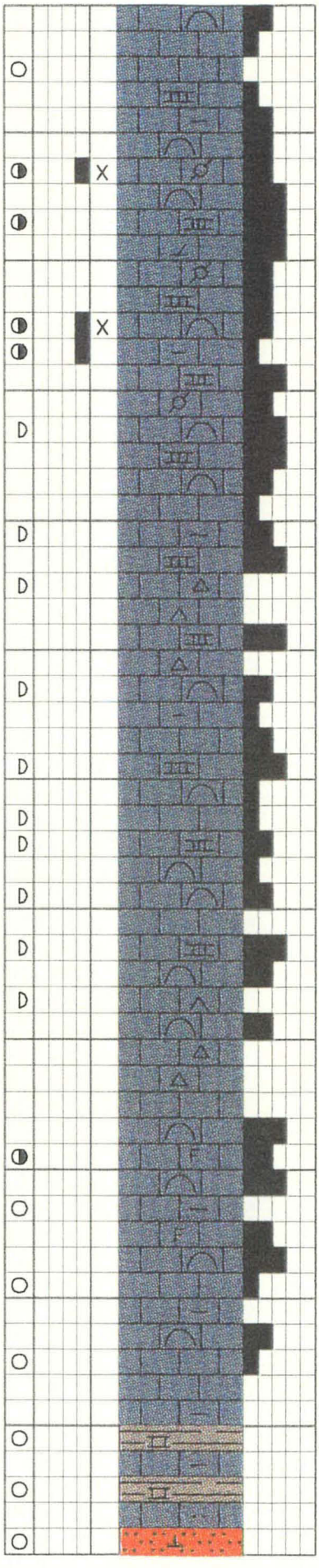
S-0.9°

675

S-1.1°

S-1.1°

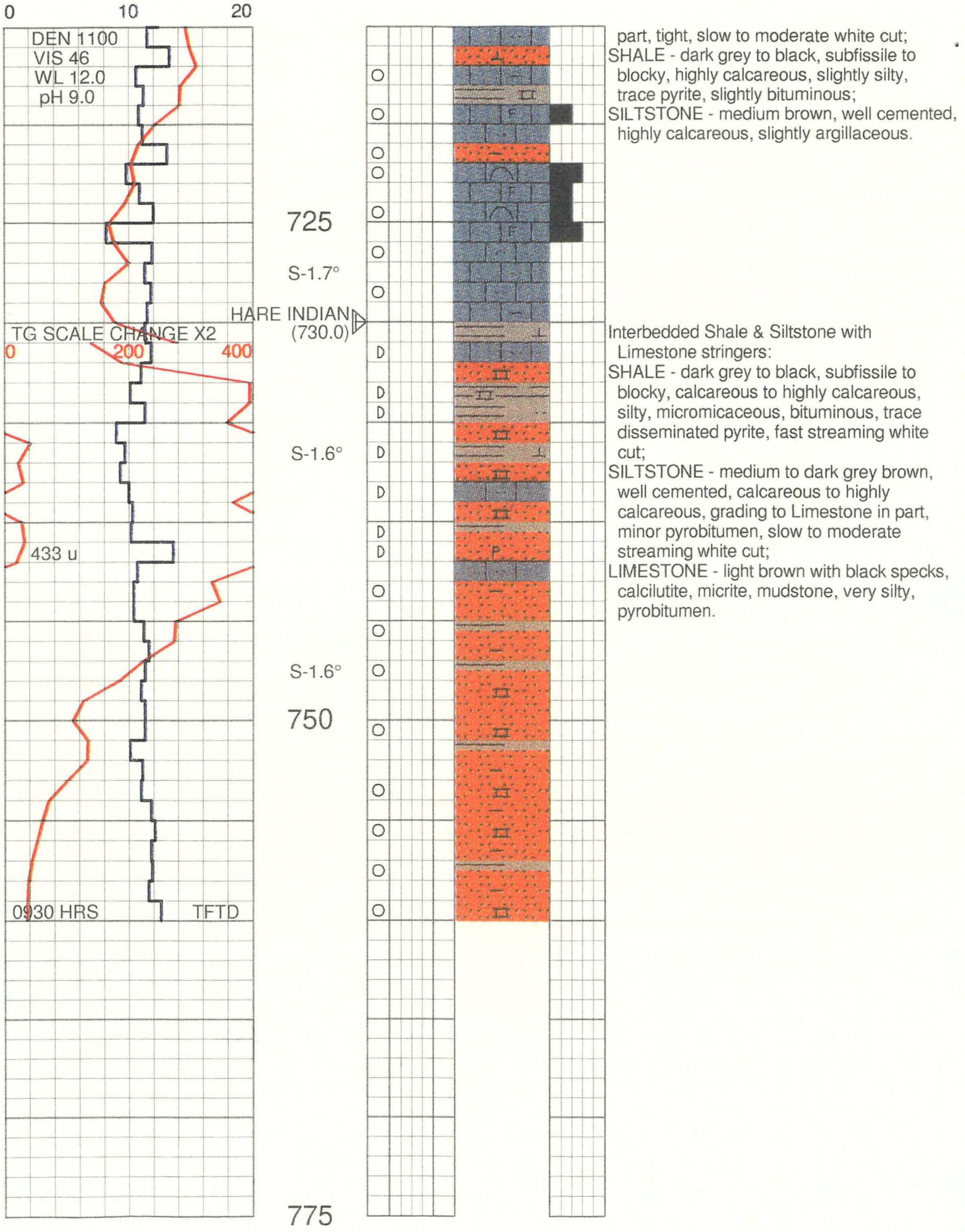
700



LIMESTONE - light to medium brown to grey brown, calcarenite to calcirudite, biopelmicrite, wackestone to rudstone, fossil debris, pellets, stroms, argillaceous in part, slightly dolomitic, minor bitumen residue, tight to trace poor (<3%) porosity, spotty to ? shows;
Minor Shale laminae.

LIMESTONE - light to medium brown (allochems) to dark brown (matrix), micrite to biomicrite, mudstone to rudstone, stroms, fossil debris, argillaceous to highly argillaceous in part, siliceous to Cherty in part, tight, trace poor chalky porosity, moderate to fast streaming white cut.
Minor Chert stringers;
Minor Shale laminae.

Interbedded Limestone, Shale & Siltstone:
LIMESTONE - light brown grey to dark brown, calcilutite to calcarenite, micrite to biomicrite, mudstone to wackestone, fossil debris, argillaceous to highly argillaceous grading to Shale, silty grading to Siltstone in



part, tight, slow to moderate white cut;
SHALE - dark grey to black, subfissile to blocky, highly calcareous, slightly silty, trace pyrite, slightly bituminous;
SILTSTONE - medium brown, well cemented, highly calcareous, slightly argillaceous.

Interbedded Shale & Siltstone with Limestone stringers:
SHALE - dark grey to black, subfissile to blocky, calcareous to highly calcareous, silty, micromicaceous, bituminous, trace disseminated pyrite, fast streaming white cut;
SILTSTONE - medium to dark grey brown, well cemented, calcareous to highly calcareous, grading to Limestone in part, minor pyrobitumen, slow to moderate streaming white cut;
LIMESTONE - light brown with black specks, calcilutite, micrite, mudstone, very silty, pyrobitumen.