SIMON PETROLEUM TECHNOLOGY WELL: 6507/3-1

Print: 10938AH Units: [✓ M] F

Length: 13 FT Initials: TS

Top	Bottom	Scale	TD
3142	4763	1:500	4757

DIGITAL WIRELINE LOGS PACKAGE
1995

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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

Completion( ) AH.

STATOIL

PARTNERS TOTAL/NORSK HYDRO/SAGA

6507/3-1A WILDCAT

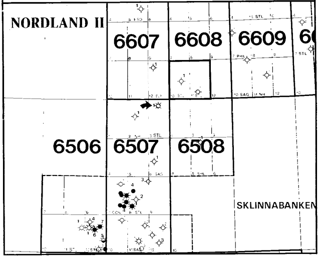
WELL PROSPECT STRUCTURE

COMPLETION LOG

Scale 1:500

AREA: NORDLAND II
LICENCE: PL 159
COORDINATES: 65°58′ 29.85″N
07°49′ 31.52″E
K.B.: 23.5m
WATER DEPTH: 369m MSL/392.5mRKB
TOTAL DEPTH: 4757mRKB
DEEPEST FORM. PEN.: ÅRE FM.
SPUD DATE: 12.05.90/22.07.90 FORSIDETRACK
RIG RELEASE DATE: 27.10.90
WELL STATUS: GAS/CONDENSATE FIND
RIG: ROSS RIG
CONTRACTOR: ROSS DRILLING A/S
GEOLOGISTS: ØSTBY,BJERKENES,FURMYR,DODSON,ALM, RASMUSSEN,HOVDEN,SEIM,KRISTENSEN, HELLE.
PREPARED BY: A.SEIM DATE: 05.03.91

LOCATION MAP



CASING DATA: LEAK OFF TESTS:

Casing	Depth	Leak off test
30″ at	453m	
20″ at	881m	1.43 S.G.
16″ at		
13 3/8″ at	1846m	1.78 S.G.
9 5/8″ at	3168m	1.94 S.G.
7″ at	3953m	FIT: 2.05 S.G.

VELOCITY SURVEY:

CONTRACTOR: SCHLUMBERGER
RUN 6B:3120-3945m, 56 LEVELS
6C:3915-4500m,24 LEVELS
WALK AWAY VSP
RUN 6A: 2647.5-3720,40 LEVELS & 5 PROFILS

LOGS RUN CONTRACTOR: SCHLUMBERGER

DIL-LSS-CAL-GR-SP	LDL-CNL-GR-CAL	SHDT-GR	CST	CBL-VDL-GR		
RUN 5E:3172-3962 6F:3953-4397 6G:3953-4397 6H:4338-4506 DIL-LSS-SP-LSL-CNL-GR (TLC):4420-4450	6D:3953-4506	5C:3172-3959 6D:3953-4506	6E:3953-4510	6B:1327-3955 MFC-GR-CCL 8A:390-470 CET-GR-CCL 8A:390-3009		

COMMENTS: -KICK OFF POINT: 3177m

MWD DEPTH INTERVALS(BIT DEPTHS):

20:3177-3204m, kick off

21:3204-3671m

22:3698-3716m, spurious gamma readings, then total loss of signals.

THE HOLE WAS NOT LOGGED BELOW 4506m DUE TO HOLE PROBLEMS

LITHOLOGICAL SYMBOLS

CONGLOMERATE
SAND SANDSTONE
SILT SILTSTONE
CLAY CLAYSTONE

SHALE
LIMESTONE
CHALK
DOLOMITE

MARL
TUFF
SALT GEN'L
ANHYDRITE

COAL or LIGNITE
WOOD FRAGS
FOSSILS GEN'L
SHELL FRAGS

FORAMS
BURROWS
PYRITE
GLAUCONITE

MICA
KAOLINITE
CHERT
SIDERITE

◐ STAIN ◐ FLUORESCENCE ◐ CUT FLUOR ☼ GAS SHOWS

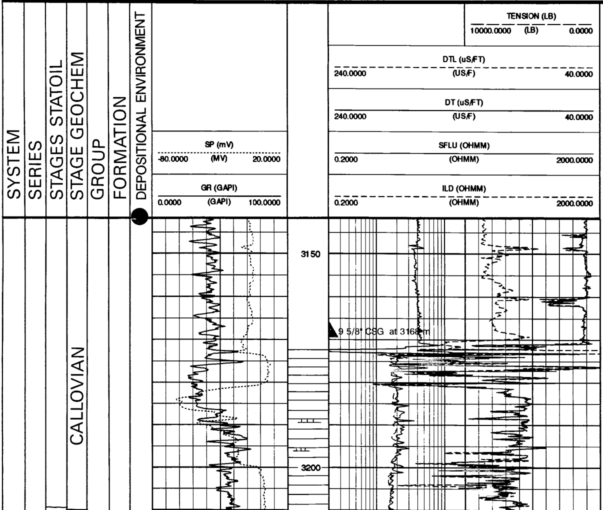
SIDEWALL CORES
○→ REC
●→ REC W/SHOW
→ NO REC

CORES
CORE NO

DST

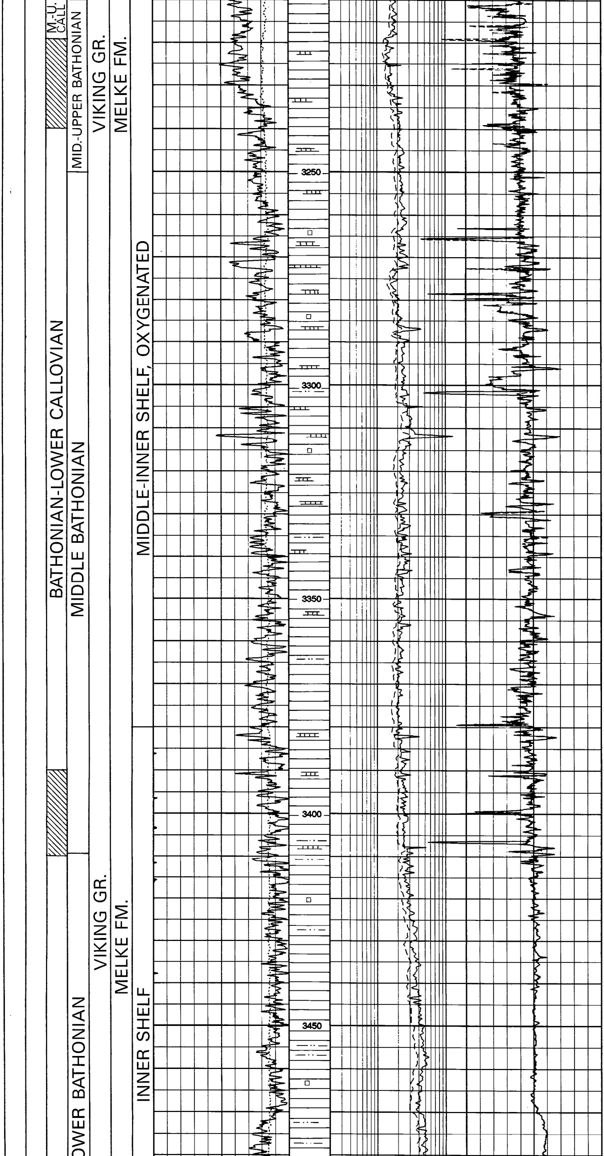
RFT/FMT
◇ UNSUCCESSFUL

CASING SHOE/LINER



CLYST: MED-DK GRY, SFT-FRM, SOL I/P, BLKY, SLTY, MOD CALC

LST: MOD BRN-LT BRN GRY, MOD V HD, OCC ARG, MICROXLN, SL DOL I/P



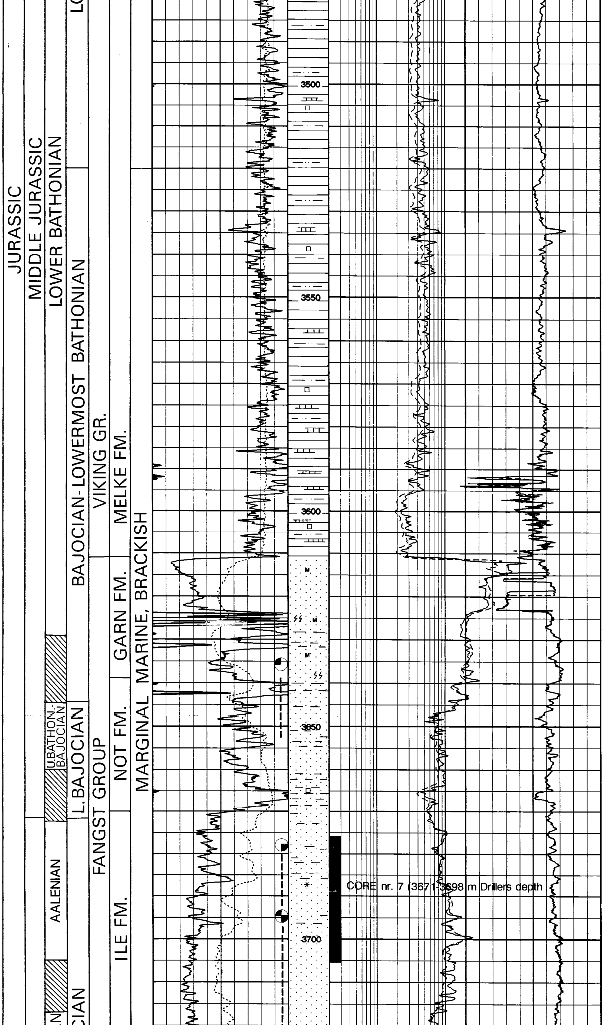
CLYST: PRED DK BRN GRY, SL-MOD SLTY, OCC V SLTY, FRM MOD HD, BLKY-SUBFISS, MICROMICA, OCC SL MICROPYR, NON CALC

LST: PRED LT BRN GRY-BRN GRY, SL DOL-DOL, SL FRI-MOD HD, SL ARG, MASS-BLKY, I/P SUCR, MICROXLN

SLTST: OLV GRY-BRN GRY-DK BRN GRY, FRI-MOD HD, MASS-BLKY, MOD-V ARG, MICROMICA AND MICROPYR, SL-NON CALC, GRDG TO CLYST

SLTST: BEC PRED DSKY YEL BRN, FRI, MASS, MICA-MICROMICA, MICROCARB, I/P V CARB, NON CALC, GRDG TO CLYST

CLYST: PRED A/A



SLTST: BRN BLK, V ARG-EXT ARG, FRI, SUBFISS, V MICROMICA-MICA, V CARB-MICROCARB, ABUN TAN SPKS (K-FELDSP?), OCC SL SDY, NON CALC

3611.0 M(3.217 s)
GARN FM.(- 3587.5 M)

SST: MED GRY-MED BRN GRY, CLR QTZ, FN, FAIR SRTD SUBANG-ANG, HD, MAINLY SIL CMT, PRTLY ARGIL MTX, BIOTURB, MICA I/P, SL CARB I/P, MOD-FAIR VIS POR

SH: DK BRN GRY-BRN BLK, SUBFIS-FISS, HD, V MICA NON CALC, GRDG TO SLTST

SHOWS: NO-DULL YEL WH FLUOR, NO CUT

3639.5 M(3.323 s)
NOT FM.(- 3616.0 M)

SST: DK BRNGRY, CLR-LT BRN QTZ, VFN, FAIR SRTD, SUBANG, HD, SILIC CMT, PRTLY ARG MTX, V MICA, PR VIS POR, CARB I/P, TR PLNT FRAGS

SLTST: MED GRY, HD, BLKY, V MICA, CARB I/P, NON CALC, GRDG TO SST AND SHALE
SH: A/ANO SHOWS

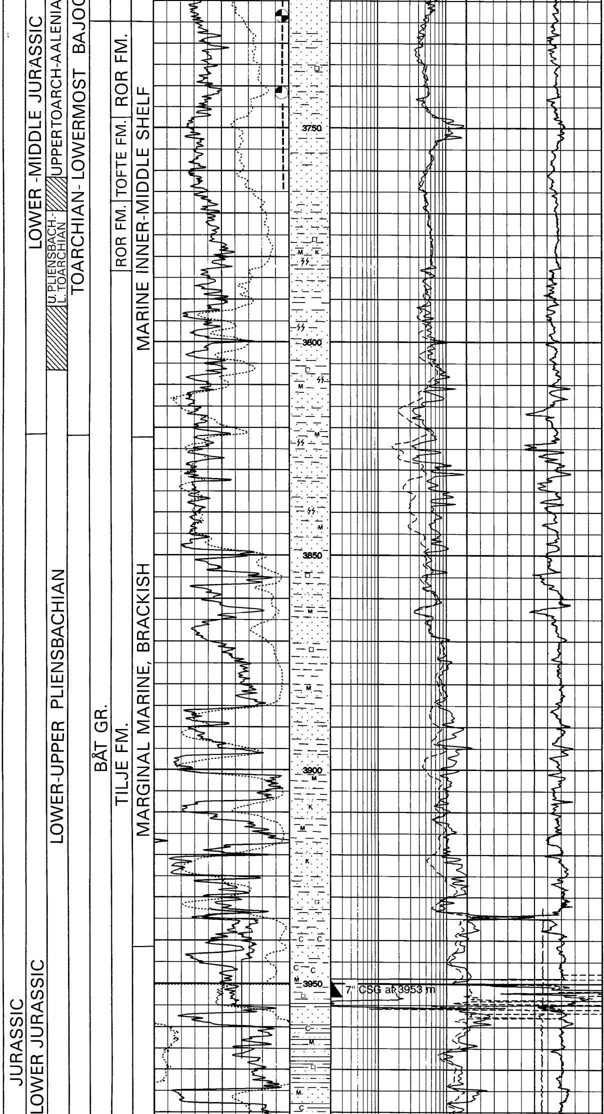
3670.0 M(3.248 s)
ILE FM.(- 3646.5 M)

SST: LT BRN GRY, CLR-LT BRN QTZ, V FN, PRTLY CRS, MOD SRTD, SUBANG, MOD HD, FRI I/P, SIL CMT, ARG I/P, V MICA I/P, SL CARB, PR VIS POR, FAIR I/P

SH: DK GRY-DK BRN GRY, MOD HD, BLKY-SUBFISS, MICROMICA, CARB I/P, NON CALC, V SLTY I/P

SLTST: MED GRY.DK BRN GRY, HD, BLKY, V MICA, CARB. NON CALC, TR PYR

SHOWS: SPOTTY-EVEN YEL WH FLUOR, INST-SLOW CLOUDY-STRM DULL-BR YEL WH CUT, ONLY TR SHOWS BELOW 3740M



3727.0 M(3.248 s)
ROR FM.(- 3703.5 M)

SH: DK GRY-DK BRN GRY, HD, BLKY-FISS, SPLINTRY I/P, MICROMICA, NON CALC, SLTY I/P
SLTST: DK GRY, FRM-MOD HD, BLKY, NON CALC, MICA, TR PYR

SHOWS: DULL YEL WH-BR YEL WH FLUOR, SLOW-FST STRM YEL WH CUT

3747.0 M(3.287 s)
TOFTE FM.(- 3723.5 M)

SST: LT GRY, CLR QTZ, PRED V FN-FN, ALSO MED-CRS, FAIR-PR SRTD, SUBANG-SUBRND, SIL CMT, FRI, GLAU I/P, PR VIS POR

3767.0 M(3.297 s)
ROR FM.(- 3743.5 M)

SH: A/A

SHOWS: PARTLY A/A, ALSO PINPOINT-SPOTTY BR WH FLUOR, INST-SLOW STRM BR BL WH CUT DOWN TO ABOUT 3791M

3783.0 M(3.307 s)
TILJE FM.(- 3759.5 M)

SST: LT-MED BRN GRY, CLR QTZ, VFN-FN, OCC W V CRS GRNS, MOD SRTD, SUBANG, SUBRND WHEN CRS, FAIR SIL CMT, HD, NO-PR VIS POR, MICA I/P, PYR I/P, BIOTURB I/P

SH: A/A

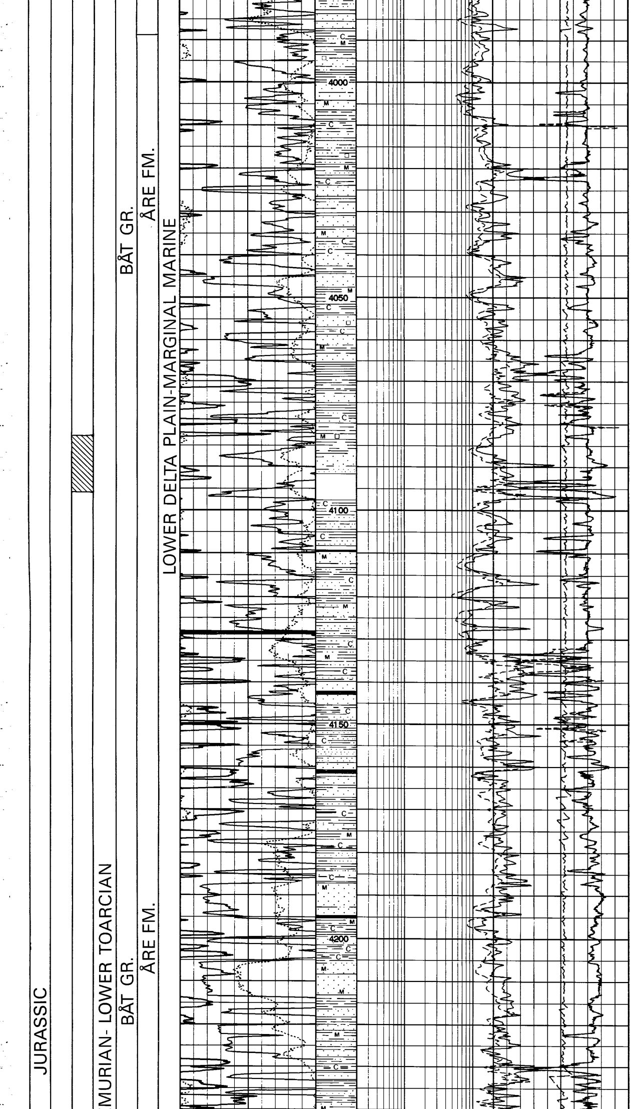
SST: LT BRN GRY, CLR-TRNSL QTZ, PREDOM FN-MED, PRTLY MED-CRS AND V CRS, MOD SRT, SUBANG-SUBRND, FAIR SILIC CMT, MOD HD, PR VIS POR, OCC, SL ARG, CARB OR GLAU

SH: A/A, PRTLY W/WH SPKS, V SLTY

TR KAOL: WH, FRM-MOD HD, BLKY-FLKY

SST: CLR QTZ, FN-CRS, MOD-PR SRTD, SUBANG, PREDOM LSE, ALSO FAIR SIL CMT, MOD HD, PR-FAIR VIS POR

SH: PA BRN-MED BRN GRY-DK GRY, MOD HD, BLKY-SUBFISS, OCC V SLTY, OCC W/WH SPKS, MICROMICA, OCC V CARB, NON CALC
GD TR OF COAL FROM 3940M: BLK, SHINY, MOD HD, BRIT, TR PYR

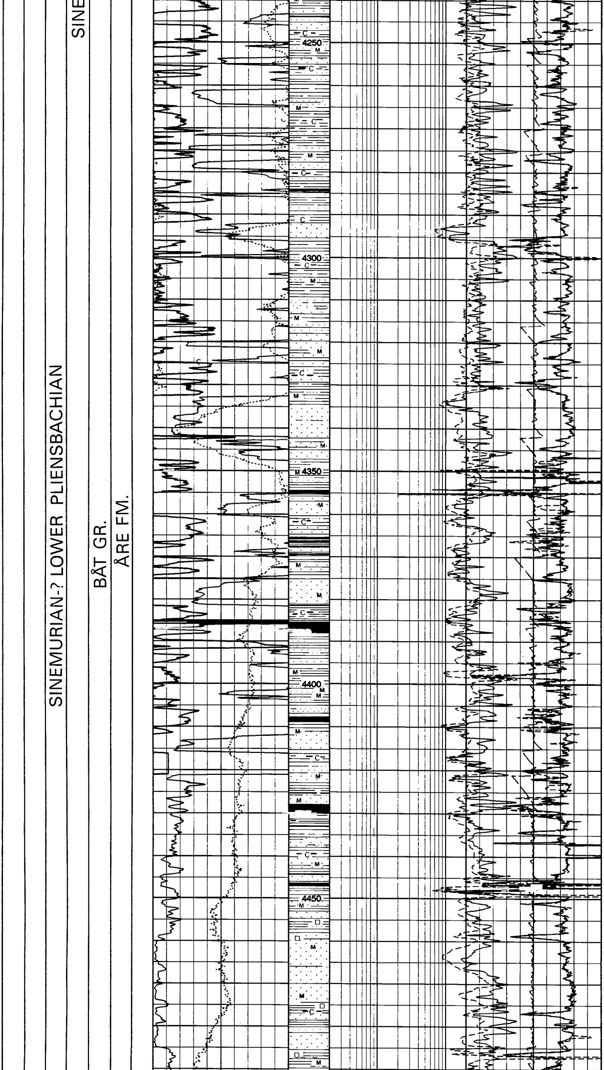


3988.0 M(3.407 s)
ÅRE FM.(- 3964.5 M)

SST: LT GRY-LT OLV GRY, TRNSL QTZ, PREDOM VFN-FN, OCC MED-CRS, SUBANG-SUBRND, W SIL CMT AND HD, WHEN VFN-FN, MOD SIL CMT AND MOD HD WHEN MED-CRS, NO VIS POR, MICA, SLTY AND SL CARB, OCC MED-DK GRY, V SLTY-ARG AND V CARB, TR WH FSPR
SLTST: BRN GRY, OLV GRY, BRN BLK, OCC GRDG TO VFN SST, OCC GRDG TO SLTY CLYST, FRM-MOD HD, BLKY-SUBF MICROMIC, MOD CARB-V CARB, I/P MICROPYR, NON CALC
CLYST: BRN BLK, SL SLTY, BLKY-SUBFISS, FRM-MOD HD, MICROMIC, MICROCARB, NON CALC
COAL: BLK, SHNY, MOD HD, BRIT, ARG I/P, MICROPYR I/P
LST: YEL BRN, PA BRN, HD, ANG-BLKY

SHOWS: DULL ORNG BRN FLUOR, OCC BR ORNG-GOLD FLUOR, NO CUT
SLTST GIVES WK MLKY WH CUT FLUOR AND PR-FAIR MLKY-BL WH RES

SLTST: BRN GRY, PL BRN, BRN BLK, GEN V CARB AND COALY OCC GRDG TO ARG-SLTY COAL, FRM-MOD HD, BLKY, V MICROPYR, SL MICROPYR, NON CALC, OCC SNDY GRDG TO SLTY SST
SST: YEL GRY, TRNSL QTZ, FN CRS, MOD SRTD, SUBANG-SUBRND, FRI-MOD HD, MOD SIL CMT PR VIS POR, MICA, ALSO LSE QTZ, ALSO OLV GRY, VFN-FN, MOD HD-HD, W SIL CMT, NO VIS POR, MICA, CARB
CLYST: BRN BLK, V CARB-COALY GRDG TO ARG COAL, BLKY-SUBFISS, OCC FLKY, FRM-MOD HD, NON CALC, IO/P MICROPYR
COAL: BLK, BRN BLK, SHNY, FRI-MOD HD, BRIT, BLKY-FLKY, OCC STRIATED, GEN MICROPYR, I/P ARG AND SLTY, OCC GRDG TO CARB SLTST



SLTST: BRN GRY, SL SDY, I/P ARG GRDG SLTY CLYST, BLKY, FRI-FRM, V MIC, I/P V CARB W CARB LAM AND INCLS, NON CALC

SST: LT YEL GRY, TRNSL, OCC FRSTD QTZ, PRED FN, OCC MED, ANG-SUBANG, MOD-W SRTD, SL FRI-MOD HD, MIC, PR-FAIR VIS POR

COAL: BRN BLK-BLK, I/P ARG, SHNY, SUBFISS-CONC FRAC, PRED MOD HD, MICROPYR

CLYST: BRN GRY-BRN BLK, SL SLTY, BLKY-SUBFISS, MOD HD-HD, ABUN CARB LAM AND INCLS, NON CALC

SST: LT GRY, TRNSL, OCC FRSTD QTZ, FN-CRS, PR-MOD SRTD, ANG-SUBANG, SLI FRI-MOD HD, I/P LSE DUE TO BIT ACTION, W SILIC CMTD SL MIC, V PR VIS POR

SLTST: PRED A/A

CLYST: BRN BLK, NON-MOD SLTY, BLKY-SUBFISS, MOD HD, OCC HD, I/P V CARB GRDG ARG COAL, SL MICROMIC, NON CALC

COAL: PRED BLK, OVV BRN BLK AND ARG, SHNY, CONC FRAC, MOD HD, SL MICRO PYR

SST: PR SRTD, ELSE A/A

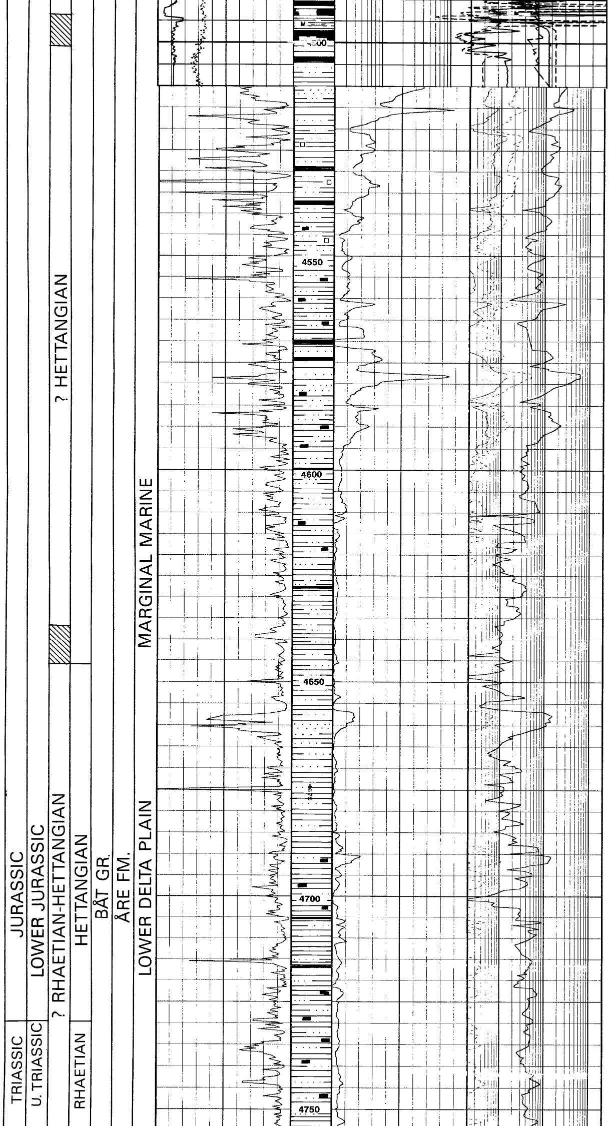
SLTST: A/A

CLYST: BRN BLK, NON-MOD SLTY, BLKY, MOD HD-HD, I/P V CARB GRDG ARG COAL, SL MICROMIC, NON CALC

COAL: BEC PRED V ARG, BRN BLK, SUBFISS-CONC FRAC, MOD HD, GRDG TO V CARB CLYST

SST: A/A

SLTST: DK BRN GRY-BRN GRY, OCC BRN BLK, I/P MTTL, FREQ V SDY GRDG SLTY SST, ARG GRDG CLYST, FRI-MOD HD, BLKY-SUBFISS, MIC-V MIC, CARB-V CARB I/P, W/ ABUN CARB LAM AND CLAST, NON CALC



SST: LT GRY, TRNSL QTZ, FROSTED I/P, PRED FN-MED, PR SRTD, ANG SUBANG, SL FRI-MOD HD, I/P LSE DUE TO BIT ACTION, W SIL CMTD, SL MIC, V PR VIS POR
SLTST: DK BRN GRY-BRN GRY, OCC BRN BLK, I/P MTTLD, FREQ V SDY GRDG SLTY SST, ARG GRDG CLYST, FRI-MOD HD, BLKY-SUBFISS, MIC-V MIC, CARB-V CARB I/P, W/ ABUN CARB LAM AND CLAST, NON CALC
CLYST: BRN BLK, NON-MOD SLTY, BLKY, MOD HD-HD, I/P V CARB GRDG ARG COAL, SL MICROMIC, NON CALC, PYR
COAL: PRED V ARG, BRN BLK, SUB FISS-CONC FRAC, MOD HD, GRDG TO CARB CLYST, PYR

CLYST: LT-MED BRN GRY, DK GRY-BLK, MOD HD, SLTY I/P, I/P GROG TO ARG COAL, SL MICROMIC, NON CALC

SST: CLR-WH, OCC LT BRN, FROST GB I/P, FN-MED,PR SRT SUBANG, FRI-MOD HD, SILIC CMTD, SL MIL,V PR VIS POR

COAL: BRN BLK, PRED V ARG, SUBFISS, MOD HD, GRDG T

SLTST: LT-MED BRN GRY, DK BRN GRY, MOD HD-HD, BLKY, SILIC, MIC, CARB I/P, U ON CALC

CLYST: A/A

SST: A/A

SLTST: A/A

TR COAL AN PYR

CLYST: MED-DK GRY, OCC LT GRY AND BRNSH GRY, FRM-BLKY, SLTY, I/P GROG TO SLTST, SL MIC, NON CALC

TR SST: CLR-WH QTZ, F-MED, SUBANG-SUBRND, FRI-MOD SILIC CMT, FRSTD, PR POR

TR COAL: BLK, BRT, SHNY, MOD HD-HD

CLYST: MOSTLY LT- MED GRY, OCC T BRNSH GRY ELSE A/A

SST: A/A

COAL: A/A