SIMON PETROLEUM TECHNOLOGY

WELL: 1/6-5

Print: 11370 AF	Units: [✓ M] F	Top	Bottom	Scale	TD
Length: 17 FT	Initials: TS	155	1860	1:500	1854

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

AF completion - 0.

CONOCO NORWAY INC.

BP/STATOIL

WELL: 1/6-5

COMPOSITE WELL LOG

LOCATION:

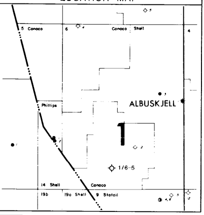
Latitude:	56 32′	21.57″
Longitude:	02 48′	04.77″

ELEVATIONS:

K B Mean Sea Level:	25 m
K B Sea Floor:	95 m
Water Depth:	70 m
Total Depth:	1854m (DRILLER) 1854m (SCHLUMBERGER)

Country:	NORWAY
Area:	NORTH SEA
Licence:	PL 144
Field:	WILDCAT
Date Spudded:	20th JULY 1990
T D Date:	17th AUGUST 1990
Date Completed:	2nd SEPTEMBER 1990
Completion Status:	PLUGGED AND ABANDONED AS A DRY HOLE.

LOCATION MAP


5 Conoco
6
Conoco
Shell
4
Phillips
ALBUSKJELL
1
1/6-5
14 Shell
Conoco
19b
19a Shell
9 Statoil

CONOCO GEOLOGISTS

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MUDLOG SERVICE

EXPLORATION LOGGING NORTH SEA LTD.

DRILLING CONTRACTORS & RIG

STENA – DYVI STENA

ELECTROPHYSICAL LOGS

TYPE:	RUN No	INTERVAL
DIL/SLS/LDL/GR/SP/AMS	1A	156.0 – 598.5
LSS/GR	2A	588.0 – 1055.0
LDL/GR/CAL	2B	588.0 – 1055.0
DIL/LSS/GR/SP/LDL/AMS	3A	1126.0 – 1509.0
CST	3B	tool failure
FOUR ARM CALIPER	3C	tool hung up
DIL/GR/SP/AMS	4A	1521.0 – 1854.0
BHC/GR	4B	1521.0 – 1854.0
LDL/CNL/NGT	4C	1521.0 – 1854.0
DLL/MSFL/GR	4D	1521.0 – 1854.0
RFT	4E	1722.0 – 1740.0
FMS	4F	1521.0 – 1854.0
VSP	4G	1135.0 – 1854.0
CST	4H	1550.0 – 1745.0

PLUG No	TYPE	INTERVAL & PURPOSE
1	3.6 mtons Class G	1740 – 1643m Abandonment
2	5.3 mtons Class G	1475 – 1343m Abandonment
3	11.0 mtons Class G	340 – 134m Abandonment

MUD TYPE	INTERVAL
SEAWATER AND HI-VIS PILL	SEABED–600m
KCL POLYMER WBS/200	600m–TD

BIT SIZE	INTERVAL
17 1/2″ 36″ HO	SEABED – 156m
17 1/2″ 26″ HO	156m – 600m
12 1/4″ 22″ UR	600m – 1132m
12 1/4″ 14 3/4″	1132m – 1530m
8 1/2″	1530m – 1854m

CASING

SIZE	SHOE	TYPE & CEMENT
30″	156m	461.3 kg/m, X-52 Lead 49.84 mtons Class G + additives Tail Class G + additives
20″	588m	197.9 kg/m, X-56 Lead 112 mtons Class G + additives Tail 47 mtons Class G + additives
16″	1126m	110.4 kg/m, N-80 Lead 44.5 mtons Class G + additives Tail 38.6 mtons Class G + additives
9 5/8″	1521m	69.9 kg/m, N-80 Tail 63 mtons Class G + additives
7″	1843m	47.5 kg/m, C-95 Gasblock 23.16 mtons Clas + additives

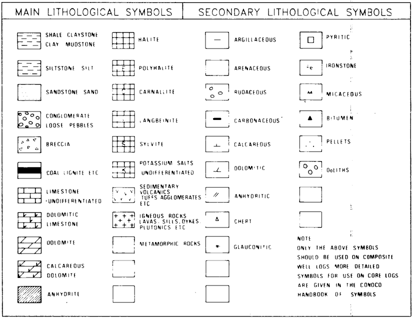
WELLSITE CORE DATA

CORE No	INTERVAL	CUT	REC	REC %
1	1725 – 1742.5	17.5	3.9	22
2	1742.5 – 1751.5	9.0	8.6	94

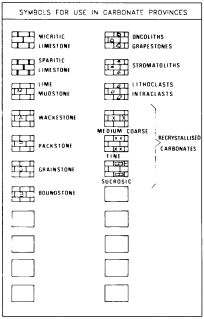
CORE DATA CORRECTED TO GR LOG

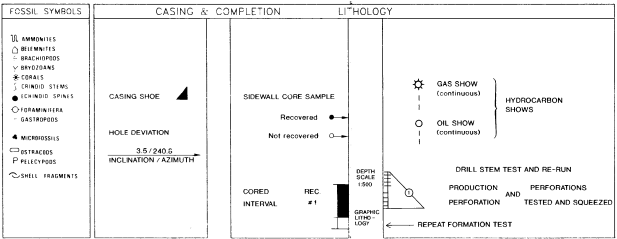
CORE No	INTERVAL	SHIFT	REC	REC %

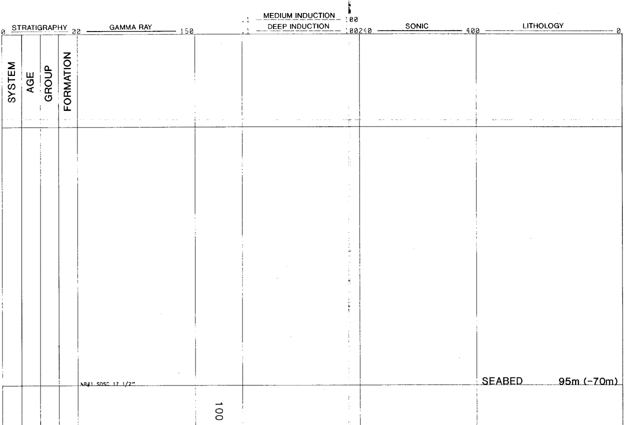
AUTHORS: C.F. GYLLENHAMMAR	APPROVED: A. SKJERVOEY	REMARKS: TELECO MWD GR IS SPLICED IN FROM 1059m TO 1125m. TELECO MWD DPR RESISTIVITY IS SPLICED IN FROM 590m TO 1125m. SONIC LOG DATA HAS BEEN REMOVED WHERE SEVERELY AFFECTED BY CYCLE SKIPPING (TRANSIT TIME VALUES EXCEEDING 204.98 us/ft WERE CLIPPED).
DRAFTED:	DATE: 12th FEBRUARY 1991	

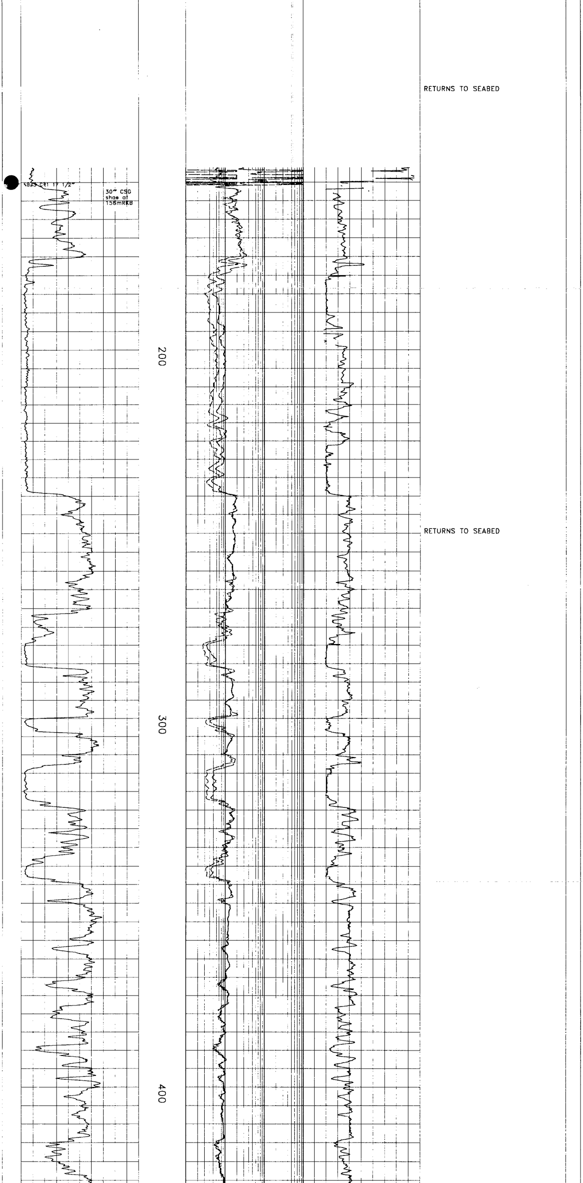

MAIN LITHOLOGICAL SYMBOLS
SECONDARY LITHOLOGICAL SYMBOLS
SHALE CLAYSTONE CLAY MUDSTONE
SILTSTONE SILT
SANDSTONE SAND
CONGLOMERATE LOOSE PEBBLES
BRECCIA
COAL LIGNITE ETC
LIMESTONE UNDIFFERENTIATED
DOLOMITIC LIMESTONE
DOLOMITE
CALCAREOUS DOLOMITE
ANHYDRITE
HALITE
POLYHALITE
CARNALLITE
LANGBEINITE
SYLVITE
POTASSIUM SALTS UNDIFFERENTIATED
SEDIMENTARY VOLCANICS TUFFS AGGLOMERATES ETC
IGNEOUS ROCKS LAVAS, SILLS, DYKES, PLUTONICS ETC
METAMORPHIC ROCKS
ARGILLACEOUS
ARENACEOUS
RUDACEOUS
CARBONACEOUS
CALCAREOUS
DOLOMITIC
ANHYDRITIC
CHERT
GLAUCONITIC
PYRITIC
IRONSTONE
MICACEOUS
BITUMEN
PELLETS
OOLITHS

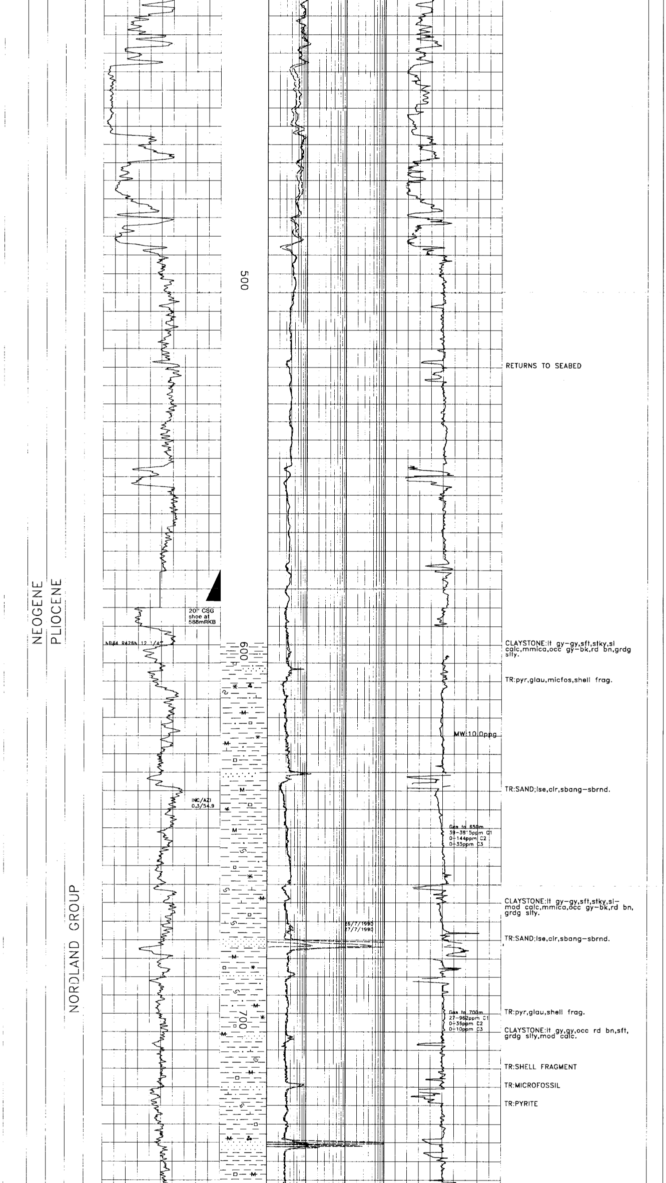
NOTE
ONLY THE ABOVE SYMBOLS SHOULD BE USED ON COMPOSITE WELL LOGS MORE DETAILED SYMBOLS FOR USE ON CORE LOGS ARE GIVEN IN THE CONOCO HANDBOOK OF SYMBOLS

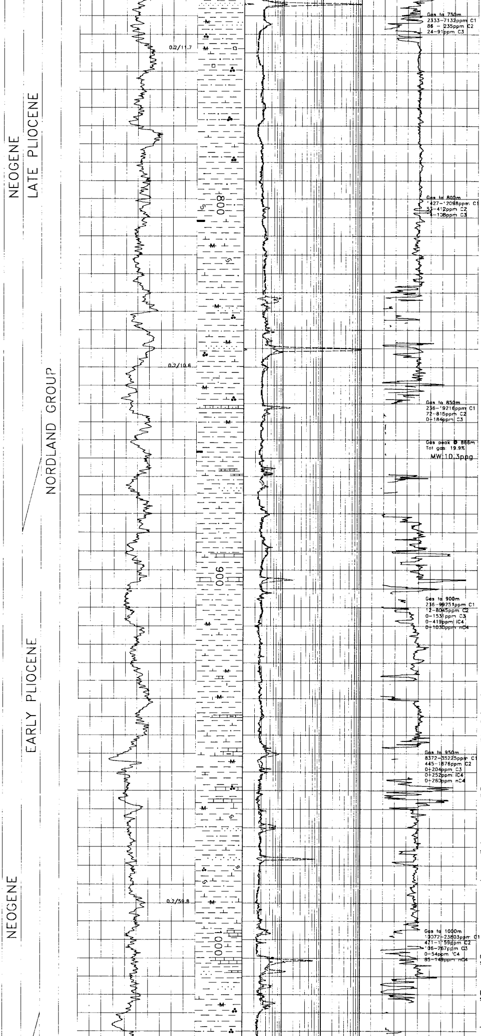

SYMBOLS FOR USE IN CARBONATE PROVINCES
MICRITIC LIMESTONE
SPARITIC LIMESTONE
LIME MUDSTONE
WACKESTONE
PACKSTONE
GRAINSTONE
BOUNDSTONE
ONCOLITHS GRAPESTONES
STROMATOLITHS
LITHOCLASTS INTRACLASTS
MEDIUM COARSE
FINE
SUCROSIC
RECRYSTALLISED CARBONATES


FOSSIL SYMBOLS
AMMONITES
BELEMNITES
BRACHIOPODS
BRYOZOANS
CORALS
CRINOID STEMS
ECHINOID SPINES
FORAMINIFERA
GASTROPODS
MICROFOSSILS
OSTRACODS
PELECYPODS
SHELL FRAGMENTS
CASING & COMPLETION
LITHOLOGY
CASING SHOE
HOLE DEVIATION
3.5 / 240.6
INCLINATION / AZIMUTH
SIDEWALL CORE SAMPLE
Recovered
Not recovered
CORED INTERVAL
REC. #1
DEPTH SCALE 1:500
GRAPHIC LITHO-LOGY
GAS SHOW (continuous)
OIL SHOW (continuous)
HYDROCARBON SHOWS
DRILL STEM TEST AND RE-RUN
PRODUCTION PERFORATION
AND
PERFORATIONS TESTED AND SQUEEZED
REPEAT FORMATION TEST









CLAYSTONE:m gy,occ pal gy gn,sft, stky,v slty,sndy,clr qtz,m f sd, sbrnd,n-sl calc,tr;pyr,mica.

TR:SILTSTONE:rd bn,sft,v arg, sl calc.

TR:MICROFOSSILS

CLAYSTONE:m gy,sft,stky,slty,sl sndy,mod calc, tr;lig.

TR:MICROFOSSILS

CLAYSTONE:m gy,lt gy gn,sft,stky, slty,sl sdy,mod calc, tr;lig, tr;mica.

TR:SHELL FRAGMENTS

CLAYSTONE:a/a,becoming more slty & dk gy.

TR:MICROFOSSILS

TR:CLAYSTONE:rb bn,sft,frm,v slty, v calc.

CLAYSTONE:m gy-m gn gy,sft-frm, sl stky,slty,sl calc,tr:lig.

CLAYSTONE:gy-gn gy,sft,occ frm, mod-v calc,mmica,slty.

TR:PYRITE

TR:CLAYSTONE:yl-bn,bn,v slty, grdg arg sst.

LIMESTONE:wh-lt gy,lt bn-dk bn gy, sft,occ frm & blky,mod-v arg.

CLAYSTONE:gy-gy bn,dk gy,sft-frm, mmica,v calc,grdg sltst.

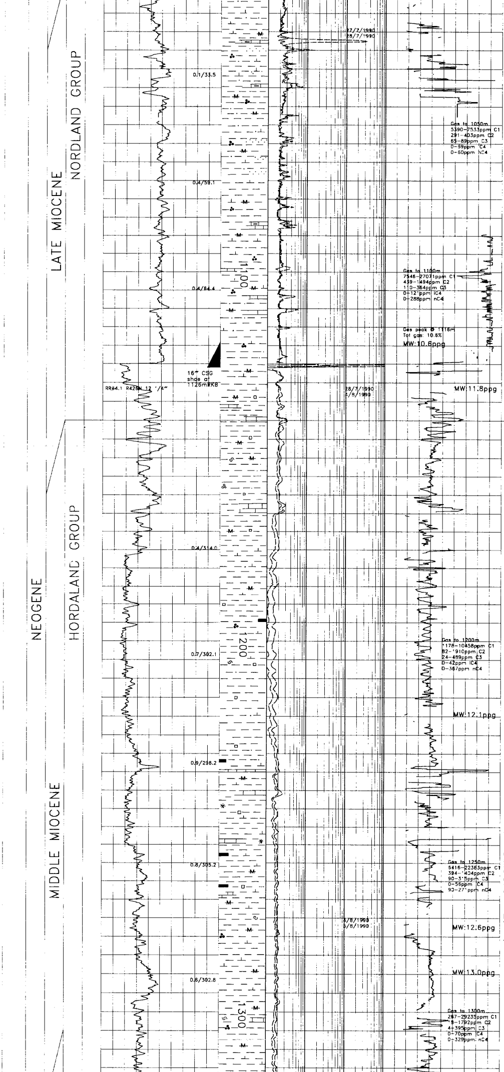
TR:LIMESTONE:lt bn,lt gy-dk gy bn, sft,occ frm,blky ip,arg.

TR:SHELL FRAGMENTS

CLAYSTONE:gy-gy bn,dk gy,gn gy, sft-frm,v calc,mmica,grdg sltst.

LIMESTONE:lt bn,lt gy-dk gy bn, sft,occ frm,arg.

TR:MICROFOSSILS



CLAYSTONE:gy-dk gy,gy bn,gn gy, frm,occ sft,v calc,grdg sltsf, mmica.

TR:LIMESTONE:off wh,lt gy,yl bn-dk bn,frm,arg,blky ip, flky ip.

TR:MICROFOSSILS

CLAYSTONE:gy-dk gy,gy bn,frm, occ sft,v calc,grdg slty,mmica.

TR:LIMESTONE:lt gy,bf,frm-hd.

HORDALAND GP. 1140m (-1115m)

CLAYSTONE:lt-m gy,pl gn gy,frm, occ sft,sbfis ip,slty,mmica, n-sl calc,tr:pyr,micfos, shell frag.

LIMESTONE:off wh,lt gy,frm, chky,xln ip.

CLAYSTONE:gy bn,bn,lt gy, occ lt gn gy,frm blky,occ stky, n-sl calc,mmica,carb,tr:pyr, tr:micfos & shell frag.

LIMESTONE:off wh,lt bn,frm,chky.

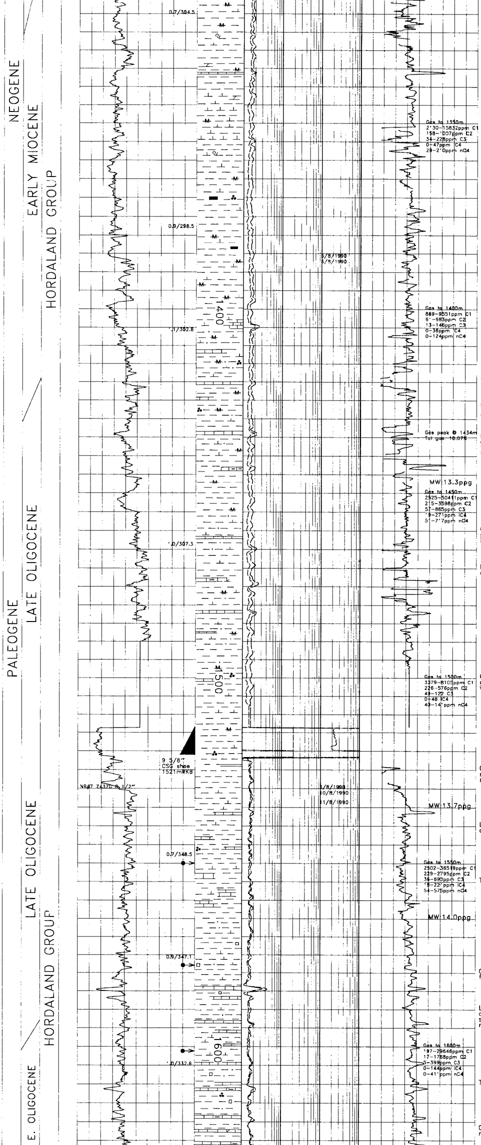
CLAYSTONE:gy-dk gy,occ dk bn,frm, occ sft,amor,blky,mod calc,carb.

CLAYSTONE:lt-m gy,dk gy,bn gy, pl gn gy w/glau,frm,occ sft, blky,slty ip,n-sl calc,mmica, occ carb specs,grdg arg ls.

CLAYSTONE:lt-m gy,v lt gn gy,dk gy, frm,occ sft,blky ip,occ sbfis, occ slty,mmica,n-sl calc, carb ip.

LIMESTONE:dk gy,hd,arg w/calc vn, wh,orng bn,xln.

TR:MICROFOSSILS & SHELL FRAGMENTS



LIMESTONE:off wh,lt bn,frm,chky,
hd ip,brit,xln,grdg dol.

CLAYSTONE:lt-m gy,occ dk gy,
occ bn gy,frm,occ sbfis,mmica,
mod-v calc,grdg to arg ls ip.

CLAYSTONE:bn gy,bn,occ lt-m gy,
frm,occ sft,mmica,carb specs,
n-sl calc,mod-v calc ip.

CLAYSTONE:lt-m gy,frm,blky,mmica,
slty,n-sl calc,carb,occ dk bn,
bn gy,sft-frm.

CLAYSTONE:pred m-dk bn,bn gy,
sft-frm,mmica,slty,n-mod calc,
also pl gn gy,sft-frm,slty ip,
sl-mod calc.

LIMESTONE:off wh,crm,sft-frm,
stky,chky,mod-v arg.

TR:MICROFOSSILS

LIMESTONE:off wh,crm,bf,sft-frm,
occ blky,chky,arg,shows;bl wh
fluor,slow streaming bl wh cut,
bri wh crush cut,yl wh resd.

CLAYSTONE:lt m dk gy,bn gy,dk bn,
sft,occ frm,blky,sbfis,mmica,slty
ip,n-sl calc.

LIMESTONE:off wh,bf,sft,chky,arg,
also m gy,hd,xln,blky,occ dol.

CLAYSTONE:m-dk gy,occ gn gy,bn
gy,sft-frm,occ blky,sl mmica,n-
v sl calc.

CLAYSTONE:lt-m gy,sft-frm,n calc,
n-sl mmica,occ dk bn,gy bn,sft-frm,
mmica,occ slty.

LIMESTONE:bf,lt bn,hd,blky,
arg,mict,micxln,occ dol.

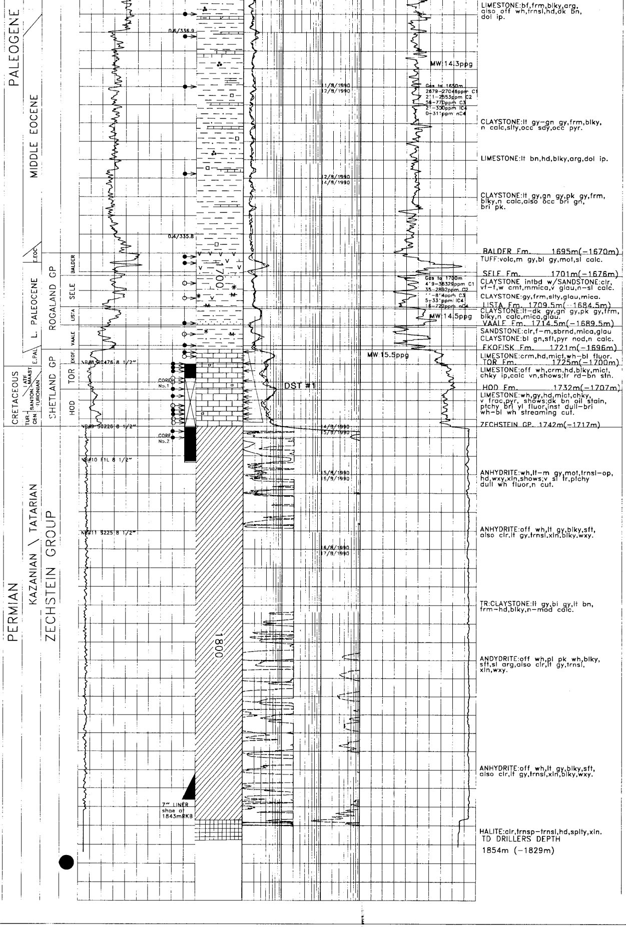
TR:MICROFOSSILS

CLAYSTONE:lt gy-gn gy,occ lt bn,
frm,n-sl calc,pyr,slty.

LIMESTONE:lt bn,frm-hd,blky,arg,
dol ip,also off wh,trnsl,hd,xln.
shows:bl wh fluor,
m strmg bl wh cut.

TR:FOSSILS

CLAYSTONE:lt gy-gn gy,frm,blky,
n calc,occ slty,pyr ip.



LIMESTONE:bf,frm,blky,arg, also off wh,trnsl,hd,dk bn, dol ip.

CLAYSTONE:lt gy-gn gy,frm,blky, n calc,slty,occ sdy,occ pyr.

LIMESTONE:lt bn,hd,blky,arg,dol ip.

CLAYSTONE:lt gy,gn gy,pk gy,frm, blky,n calc,also occ bri gn, bri pk.

BALDER Fm. 1695m(-1670m)

TUFF:volc,m gy,bl gy,mot,sl calc.

SELE Fm. 1701m(-1676m)

CLAYSTONE intbd w/SANDSTONE:clr, vf-f,w cmt,mmica,v glau,n-sl calc.

CLAYSTONE:gy,frm,slty,glau,mica.

LISTA Fm. 1709.5m(-1684.5m)

CLAYSTONE:lt-dk gy,gn gy,pk gy,frm, blky,n calc,mica,glau.

VAALE Fm. 1714.5m(-1689.5m)

SANDSTONE:clr,f-m,sbrnd,mica,glau

CLAYSTONE:bl gn,sft,pyr nod,n calc.

EKOFISK Fm. 1721m(-1696m)

LIMESTONE:crm,hd,mict,wh-bl fluor.

TOR Fm. 1725m(-1700m)

LIMESTONE:off wh,crm,hd,blky,mict, chky ip,calc vn,shows;tr rd-bn stn.

HOD Fm. 1732m(-1707m)

LIMESTONE:wh,gy,hd,mict,chky, v frac,pyr, shows;dk bn oil stain, ptchy bri yl fluor,inst dull-bri wh-bl wh streaming cut.

ZECHSTEIN GP. 1742m(-1717m)

ANHYDRITE:wh,lt-m gy,mot,trnsl-op, hd,wxy,xln,shows;v sl tr,ptchy dull wh fluor,n cut.

ANHYDRITE:off wh,lt gy,blky,sft, also clr,lt gy,trnsl,xln,blky,wxy.

TR:CLAYSTONE:lt gy,bl gy,lt bn, frm-hd,blky,n-mod calc.

ANDYDRITE:off wh,pl pk wh,blky, sft,sl arg,also clr,lt gy,trnsl, xln,wxy.

ANHYDRITE:off wh,lt gy,blky,sft, also clr,lt gy,trnsl,xln,blky,wxy.

HALITE:clr,trnsp-trnsl,hd,splty,xln.

TD DRILLERS DEPTH

1854m (-1829m)