SIMON PETROLEUM TECHNOLOGY WELL: 1/6-7

Print: 15869 AC	Units: (M) F	Top	Bottom	Scale	TD
Length: 38 FT	Initials: JAT.	90	5000	1/500	5001

DIGITAL WIRELINE LOGS PACKAGE
1995
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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

U1-724 AC

3

1 5 JAN. 1993
[illegible]
OLJEDIREKTORATET

CONOCO

BP/STATOIL

WELL: 1/6-7

COMPOSITE WELL LOG

LOCATION:

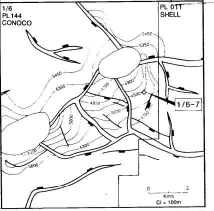
Latitude:	56° 33′	20.01″N
Longitude:	02° 54′	11.18″E

ELEVATIONS:

K B Mean Sea Level:	22.0 m
K B Sea Floor:	91.8 m
Water Depth:	69.8 m
Total Depth:	4995.1m (DRILLER) 5001.2m (ATLAS)

Country:	NORWAY
Area:	CENTRAL GRABEN
Licence:	PL 144
Field:	WILDCAT
Date Spudded:	16th MARCH 1992
T D Date:	29th JUNE 1992
Date Completed:	13th JULY 1992
Completion Status:	PLUGGED AND ABANDONED AS A DRY HOLE.

LOCATION MAP



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MUDLOG SERVICE

EXLOG

DRILLING CONTRACTORS & RIG

SMEDVIG A/S

ELECTROPHYSICAL LOGS

TYPE:	RUN No	INTERVAL
ACL/ZDL/GR	1A	90.0 – 1001.2
DIFL/AC/ZDL/CN/GR	2A	1000.5 – 3273.0
DIP/GR	2B	1600.0 – 3274.0
DAC/GR	2C	1000.5 – 3270.0
SWC	2D	1000.5 – 3265.0
VSP	3A	1010.0 – 4340.0
DLL/MLL/AC/GR	3B	420.0 – 1100.0
DLL/MLL/GR	3C	3262.0 – 4361.0
DIFL/ZDL/CN/SP/GR	3D	3262.0 – 4358.8
DIP/GR	3E	3262.0 – 4360.0
DAC/GR	3F	3262.0 – 4307.0
SWC	3G	3280.0 – 4318.0
CASING CALIPER	3H	0.0 – 4025.0
SBT	3I	2683.0 – 3460.0
DIFL/AC/GR/SP	4A	4350.3 – 4965.0
ZDL/CN/GR	4B	4350.3 – 4970.5
DLL/MLL/GR	4C	4350.3 – 4968.0
DIP/GR	4D	4350.3 – 4969.8
DAC/GR	4E	4263.0 – 4965.0
FMT	4F	INCOMPLETE RUN
DIFL/AC/GR	4G	4930.0 – 5000.7
VSP	4H	4250.0 – 5000.0
ZDL/CN/GR	4I	4820.0 – 5000.0
DIP/GR	4J	4650.0 – 5001.0
FMT	4K	4663.0 – 4950.0
SWC	4L	4365.0 – 4995.0
SWC	4M	4465.0 – 4988.0

PLUG No	TYPE	INTERVAL & PURPOSE
1	16.6 mtons Class G + add @ 2.16 SG	4995 – 4824m Abandonment
2	35.6 mtons Class G + add @ 2.16 SG	4552 – 4289m Abandonment
3	13.4 mtons Class G + add @ 2.16 SG	4242 – 4192m Abandonment
4	7.4 mtons Class G + add @ 1.94	3252 – 3152m Abandonment
5	27.2 mtons Class G + add @ 1.90 SG	903 – 735m Abandonment
6	114.6 mtons Class G + add @ 1.90 SG	465 – 92m Abandonment

MUD TYPE	INTERVAL
SEAWATER AND HI-VIS PILLS	SEABED–1007m
KCL POLYMER,WBS/200	1007–3273m
ANCOTHERM	3273–TD

BIT SIZE	INTERVAL
36″	SEABED – 165m
9 7/8″	
26″ HO	165m – 1007m
17 1/2″	1007m – 3273m
12 1/4″	3273m – 4358m
8 1/2″	4358m – TD

CASING

SIZE	SHOE	TYPE & CEMENT
30″	165.0m	462.3 kg/m, X-52 Lead 44.5 mtons Class G + additives
20″	1000.6m	97.9 kg/m, X-56 Lead 157 mtons Class G + additives Tail 60 mtons Class G + additives
13 3/8″	3261.0m	107.3 kg/m, Q-125 Lead 123 mtons Class G + additives Tail 81 mtons Class G + additives
9 7/8″	4346.8m	93.6 kg/m, N-110SS Tail 86.1 mtons Class G + add

WELLSITE CORE DATA

CORE No	INTERVAL	CUT	REC	REC %
1	3295.0 – 3313.9	18.9	18.9	100
2	4754.0 – 4773.0	19.0	18.0	94.7
3	4773.0 – 4800.6	28.0	27.6	98.5

CORE DATA CORRECTED TO GR LOG

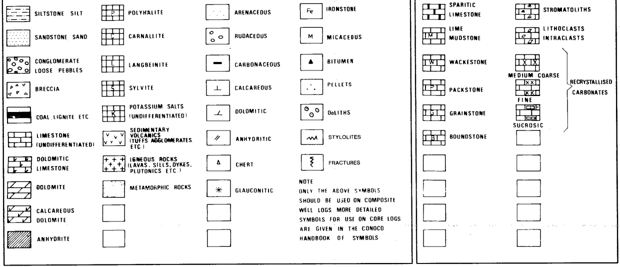
CORE No	INTERVAL	SHIFT	REC	REC %
1	3296.2 – 3315.2	+1.2	19.0	100
2	4760.5 – 4778.5	+6.5	18.0	94.7
3	4778.5 – 4806.5	+5.5	28.0	100

AUTHORS: T. VEUM	APPROVED: B. BAKKEN
DRAFTED: K.H. NIELSEN	DATE:

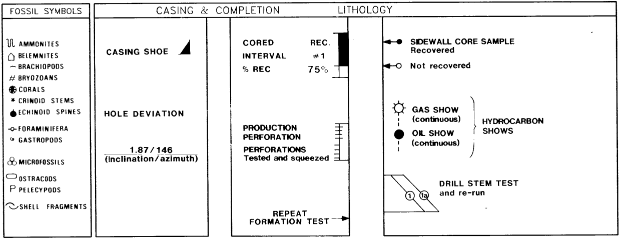
REMARKS: SONIC IN INTERVAL 3262 – 4358M FROM DAC

MAIN LITHOLOGICAL SYMBOLS		SECONDARY LITHOLOGICAL SYMBOLS	
▤	SHALE, CLAYSTONE CLAY MUDSTONE	⊟	ARGILLACEOUS
▦	HALITE	▣	PYRITIC

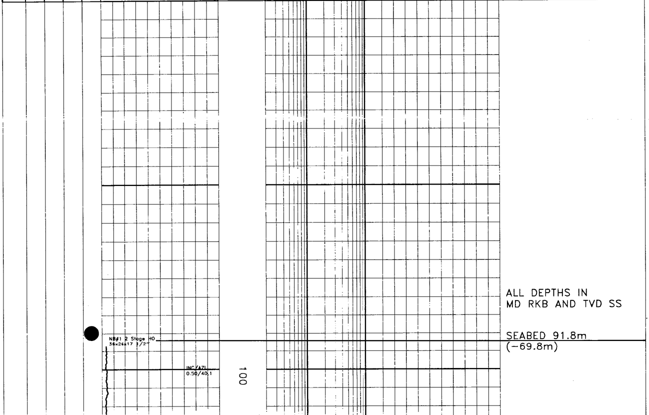
SYMBOLS FOR USE IN CARBONATE PROVINCES	
▦ MICRITIC LIMESTONE	▦ ONCOLITHS GRAPESTONES



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

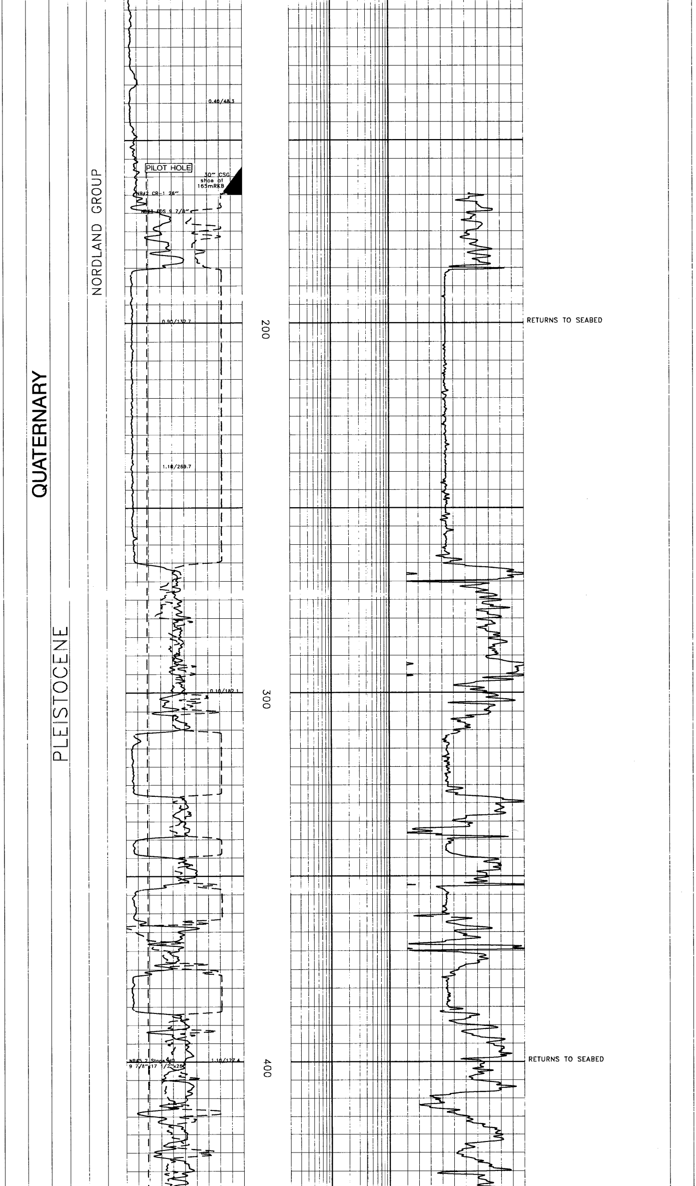


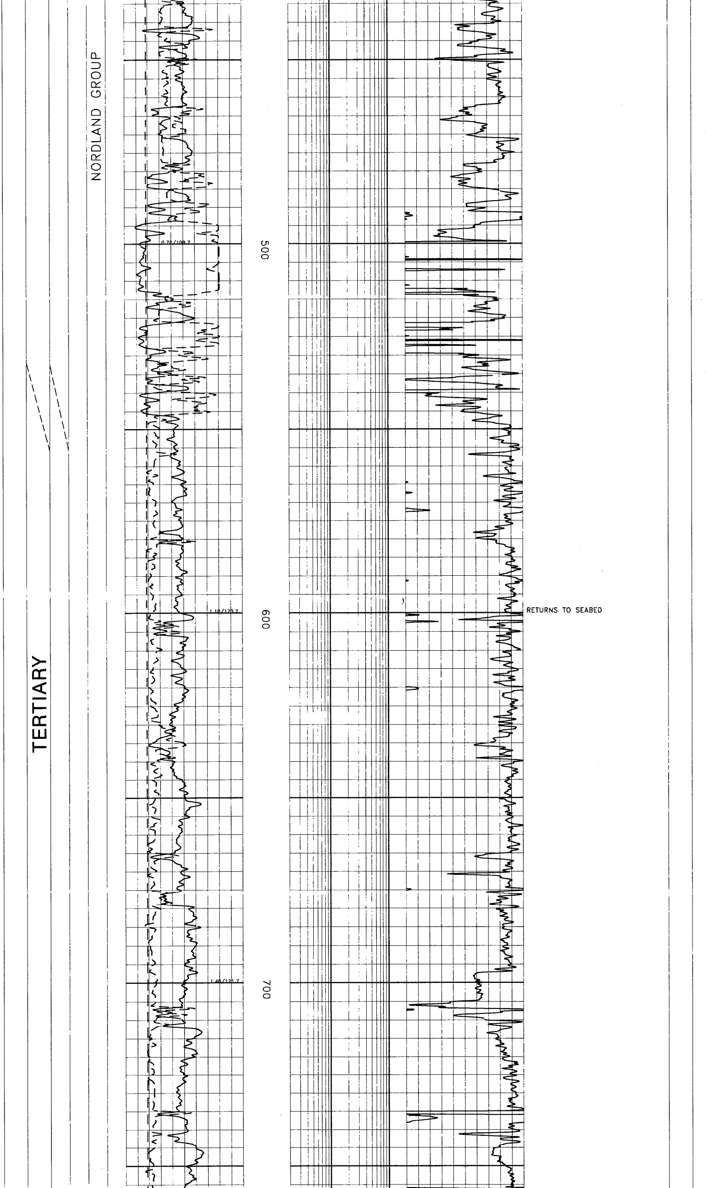
SYSTEM	SERIE	STAGE	GROUP	FORMATION	GAMMA RAY LOG A.P.I. UNITS	DEPTH SCALE 1 : 500	RESISTIVITY LOG	INTERVAL TRANSIT TIME	CUTTINGS LITHOLOGY AND REMARKS
					0 – 150		RFOC ohmm 0.2 – 20	Δt	
					150 – 300		RILM ohmm 0.2 – 20	μ sec / ft 140 – 40	
					CALIPER (inch) 6 – 26	GRAPHIC LITHO-LOGY	RILD 0.2 – 20	240 – 140	
					BIT SIZE (inch) 6 – 26		BACKUP x 100		

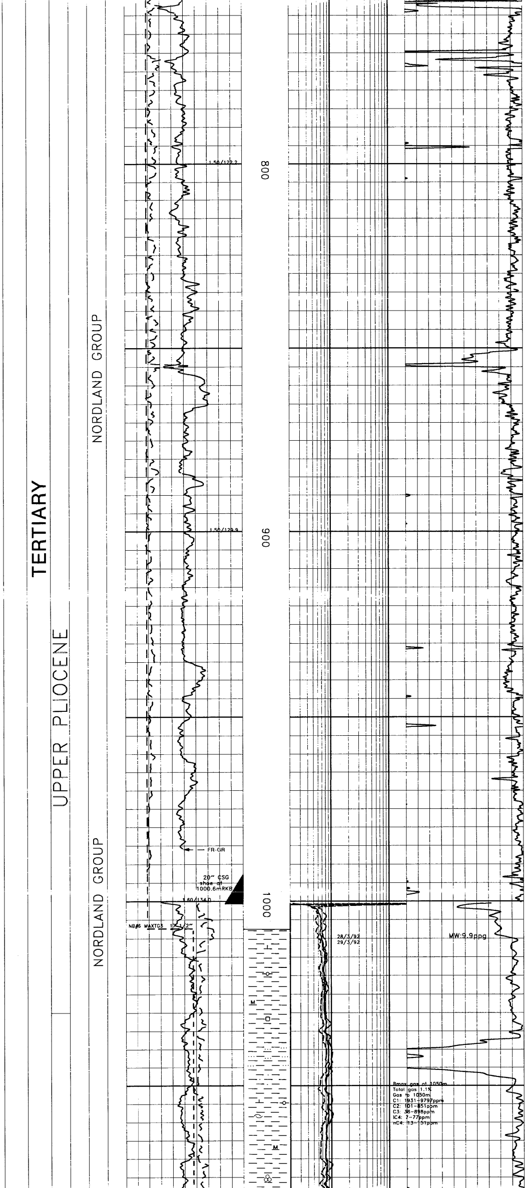


ALL DEPTHS IN
MD RKB AND TVD SS

SEABED 91.8m
(−69.8m)







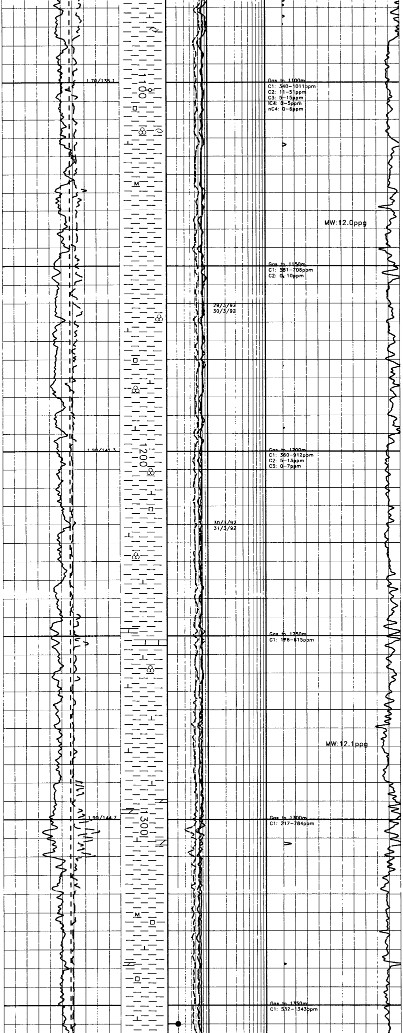
RETURNS TO SEABED

CLAYSTONE:dk gy--dk gngy,sft,mod calc,plas,sol,occ tr lam, occ mic-mica,sl-mod slty,sdy, vf i/p,tr pyr nods,tr shell frags,tr Forams

Bmax gas at 1050m
Total gas 1.1%
Gas to 1050m
C1: 1931-9797ppm
C2: 101-851ppm
C3: 38-898ppm
IC4: 7-77ppm
nC4: 13-151ppm

UPPER MIOCENE-LOWER PLIOCENE

NORDLAND GROUP



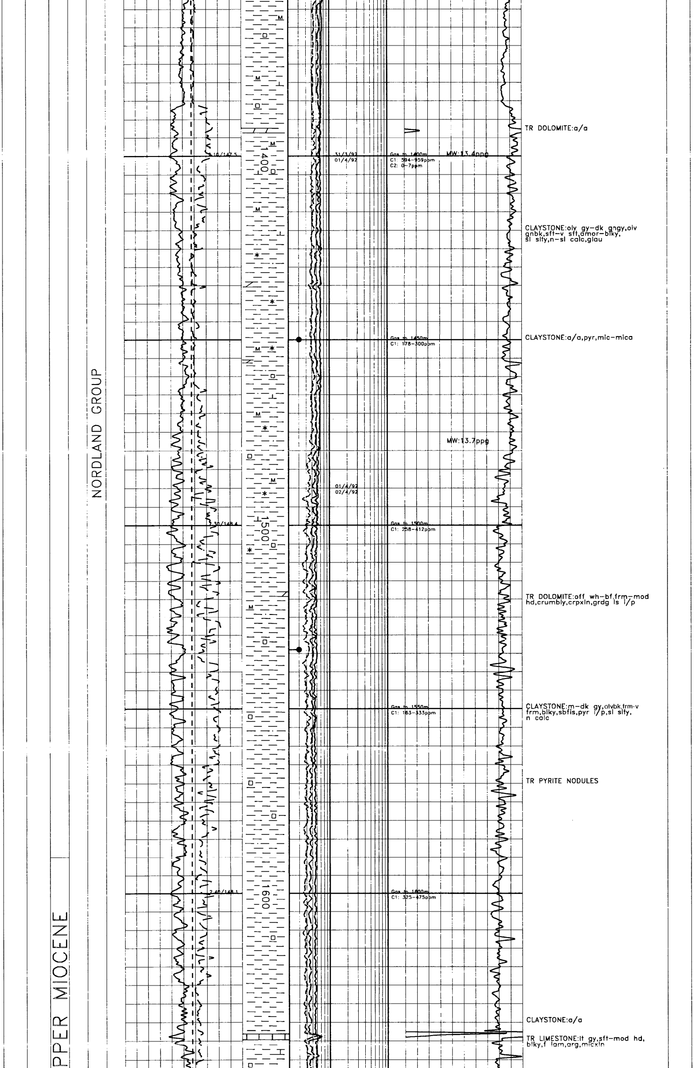
CLAYSTONE:olv gy-dk gngy,sft-v sft,amor-blky,calc-v calc tr pyr,micfos

CLAYSTONE:olv gy-dk gngy,sft-v sft,amor-blky,plas,sfky, sl slty,v calc,tr micfos

CLAYSTONE:a/a

TR DOLOMITE:bf-off wh,frm,blky, chky,crumbly,crpxln,sl arg, grdg ls i/p

CLAYSTONE:olv gy-gybn,bk spec i/p,sft-v sft,stky,amor-blky, plas,sl-mod calc,pyr,mic-mica



TR DOLOMITE:a/a

CLAYSTONE:olv gy-dk gngy,olv gnbk,sft-v sft,amor-blky, sl slty,n-sl calc,glau

CLAYSTONE:a/a,pyr,mic-mica

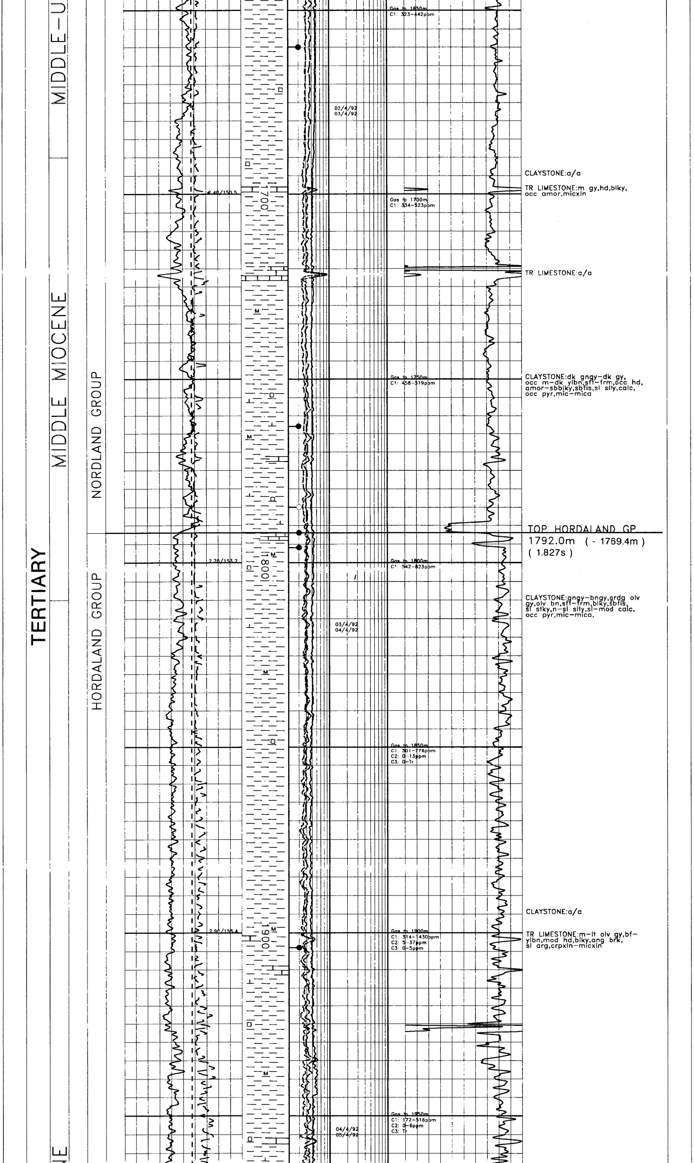
TR DOLOMITE:off wh-bf,frm-mod hd,crumbly,crpxln,grdg ls i/p

CLAYSTONE:m-dk gy,olvbk,frm-v frm,blky,sbfis,pyr i/p,sl slty, n calc

TR PYRITE NODULES

CLAYSTONE:a/a

TR LIMESTONE:lt gy,sft-mod hd, blky,f lam,arg,micxln



CLAYSTONE:a/a

TR LIMESTONE:m gy,hd,blky, occ amor,micxln

TR LIMESTONE:a/a

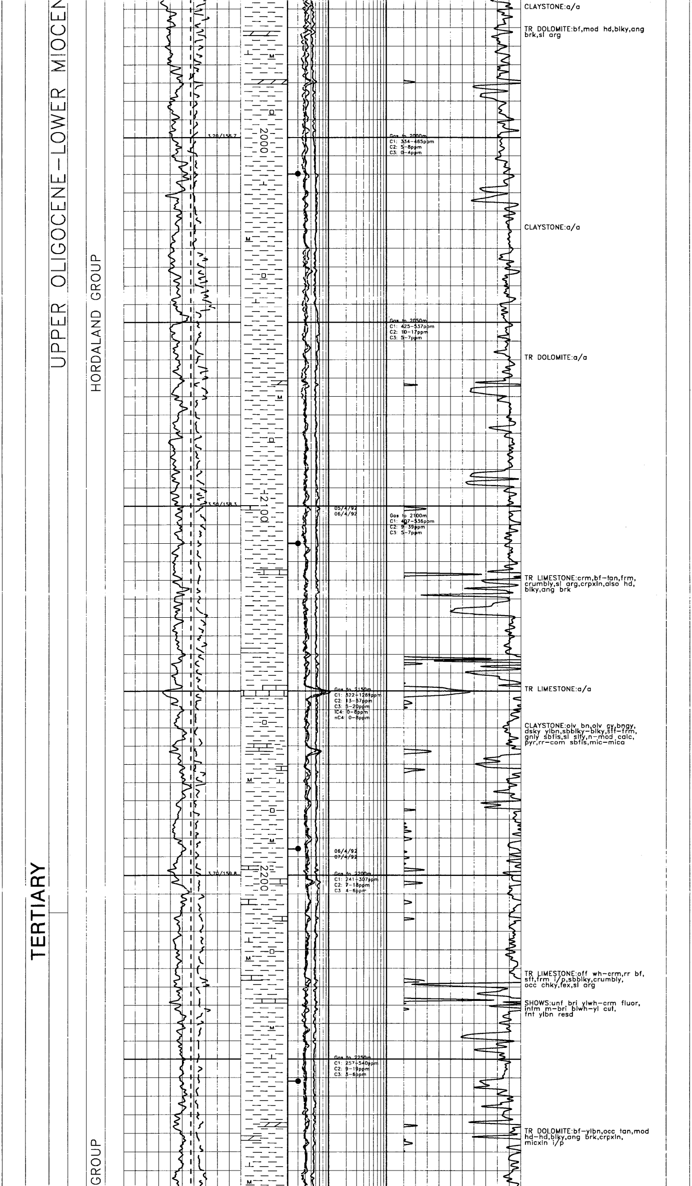
CLAYSTONE:dk gngy-dk gy, occ m-dk ylbn,sft-frm,occ hd, amor-sbblky,sbfis,sl slty,calc, occ pyr,mic-mica

TOP HORDALAND GP
1792.0m (- 1769.4m)
(1.827s)

CLAYSTONE:gngy-bngy,grdg olv gy,olv bn,sft-frm,blky,sbfis, sl stky,n-sl slty,sl-mod calc, occ pyr,mic-mica,

CLAYSTONE:a/a

TR LIMESTONE:m-lt olv gy,bf-ylbn,mod hd,blky,ang brk, sl arg,crpxln-micxln



CLAYSTONE:a/a

TR DOLOMITE:bf,mod hd,blky,ang brk,sl arg

Gas to 2000m
C1: 334-465ppm
C2: 5-8ppm
C3: 0-4ppm

CLAYSTONE:a/a

Gas to 2050m
C1: 425-537ppm
C2: 10-17ppm
C3: 5-7ppm

TR DOLOMITE:a/a

Gas to 2100m
C1: 407-536ppm
C2: 9-39ppm
C3: 5-7ppm

TR LIMESTONE:crm,bf-tan,frm, crumbly,sl arg,crpxln,also hd, blky,ang brk

Gas to 2150m
C1: 522-1269ppm
C2: 13-57ppm
C3: 5-20ppm
IC4: 0-8ppm
nC4: 0-8ppm

TR LIMESTONE:a/a

CLAYSTONE:olv bn,olv gy,bngy, dsky ylbn,sbblky-blky,sft-frm, gnly sbfis,sl slty,n-mod calc, pyr,rr-com sbfis,mic-mica

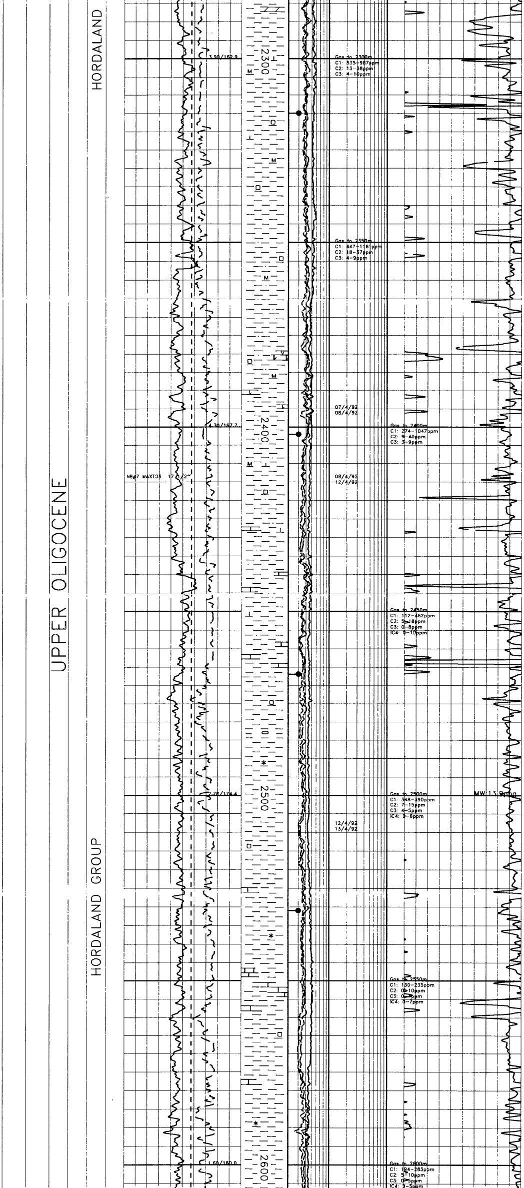
Gas to 2200m
C1: 241-307ppm
C2: 7-18ppm
C3 4-6ppm

TR LIMESTONE:off wh-crm,rr bf, sft,frm i/p,sbblky,crumbly, occ chky,fex,sl arg

SHOWS:unf bri ylwh-crm fluor, intm m-bri blwh-yl cut, fnt ylbn resd

Gas to 2250m
C1: 257-540ppm
C2: 9-19ppm
C3: 5-6ppm

TR DOLOMITE:bf-ylbn,occ tan,mod hd-hd,blky,ang brk,crpxln, micxln i/p



SHOWS:n stn,fnt-m gold dir fluor,intm even wh cut fluor, fnt bn resd

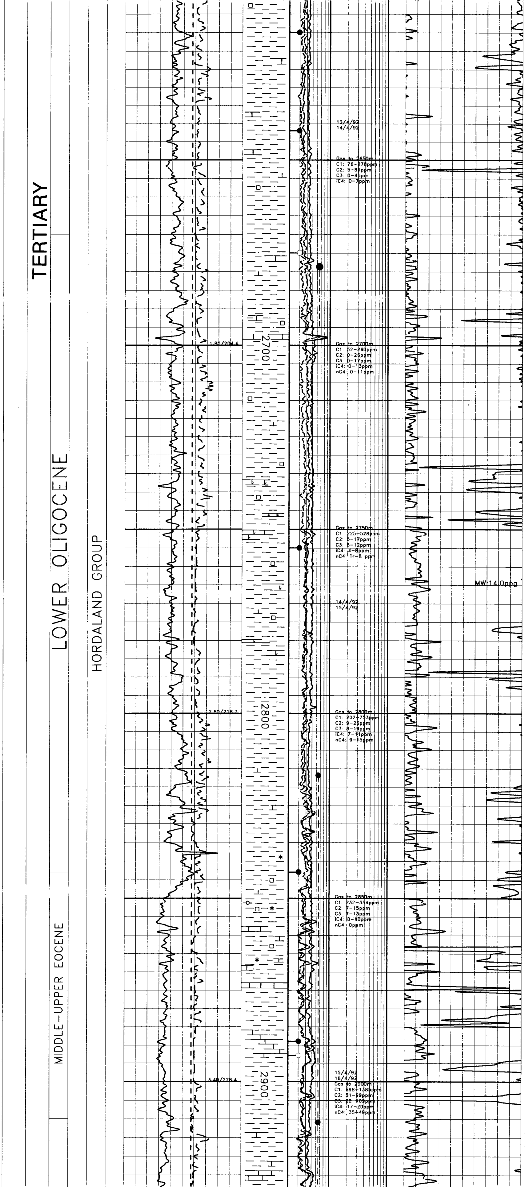
SILTY CLAYSTONE:m-lt bn,sft, sbblky,occ sbflky,loc pyr, mic-mica,slty,n-calc

TR LIMESTONE:lt bn-lt gybn,hd, occ v hd,blky,dol,crpxln,gen sparite w/suc gran tex,fr intgran por,tr pyr

CLAYSTONE:m gy,occ lt gy,sft, frm,slty,occ flky,n-sl calc

CLAYSTONE:lt gy,lt gngy,occ bngy,frm,sbblky,occ sbfis, n calc,Ostra,dissem pyr,loc glau

CLAYSTONE:a/a



CLAYSTONE:m gy,gngy,occ dk bn, frm,blky,occ sbplty,sl slty,sl calc,tr pyr,occ pyr nods,occ calc tubes

TR LIMESTONE:bf-lt bn,blky,sft-hd,arg,crpxln,loc mict,tr pyr

TR LIMESTONE:a/a
SHOWS:mod unf bn stn,yl fluor, fast even bri yl cut

TR LIMESTONE:a/a,hd-v hd,dol,xln calc intbd w/pyr sh

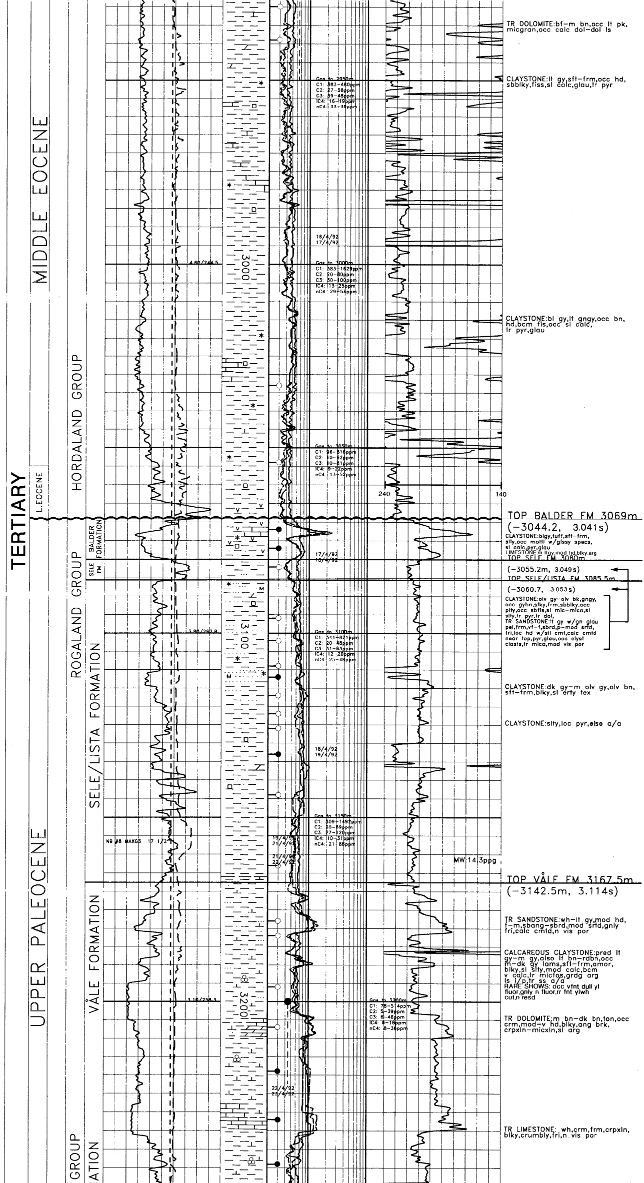
CLAYSTONE:a/a,occ hd,blky,sl wxy

CLAYSTONE:a/a

CLAYSTONE:lt gngy,occ mot lt bn, frm-sft,sl calc,glau,pyr,forams

TR LIMESTONE:m bn,hd,xln,occ gran, occ clr wh calc,vug por,bit/tarry instit matl
SHOWS:5-10% mod bri yl dir fluor, dk bk stn,oil vis i/vug por,dk bn mod fast strmg yl cut,gy bn resd

TR LIMESTONE:lt-m bn,hd,blky, crpxln-xln,arg,tr pyr,occ clr, trsp xln
SHOWS:dk bn-bk stn,yl-orng dir fluor,fast strmg yl cut



TR DOLOMITE:bf–m bn,occ lt pk, micgran,occ calc dol–dol ls

CLAYSTONE:lt gy,sft–frm,occ hd, sbblky,fiss,sl calc,glau,tr pyr

CLAYSTONE:bl gy,lt gngy,occ bn, hd,bcm fis,occ sl calc, tr pyr,glau

TOP BALDER FM 3069m
(–3044.2, 3.041s)

CLAYSTONE:blgy,tuff,sft–frm, slty,occ mottl w/glssy specs, sl calc,pyr,glau
LIMESTONE:m-ltgy,mod hd,blky,arg

TOP SELE FM 3080m
(–3055.2m, 3.049s)

TOP SELE/LISTA FM 3085.5m
(–3060.7, 3.053s)

CLAYSTONE:olv gy–olv bk,gngy, occ gybn,stky,frm,sbblky,occ plty,occ sbfis,sl mic–mica,sl slty,tr pyr,tr dol,
TR SANDSTONE:lt gy w/gn glau pel,frm,vf–f,sbrd,p–mod srtd, fri,loc hd w/sil cmt,calc cmtd near top,pyr,glau,occ clyst clasts,tr mica,mod vis por

CLAYSTONE:dk gy–m olv gy,olv bn, sft–frm,blky,sl erty tex

CLAYSTONE:slty,loc pyr,else a/a

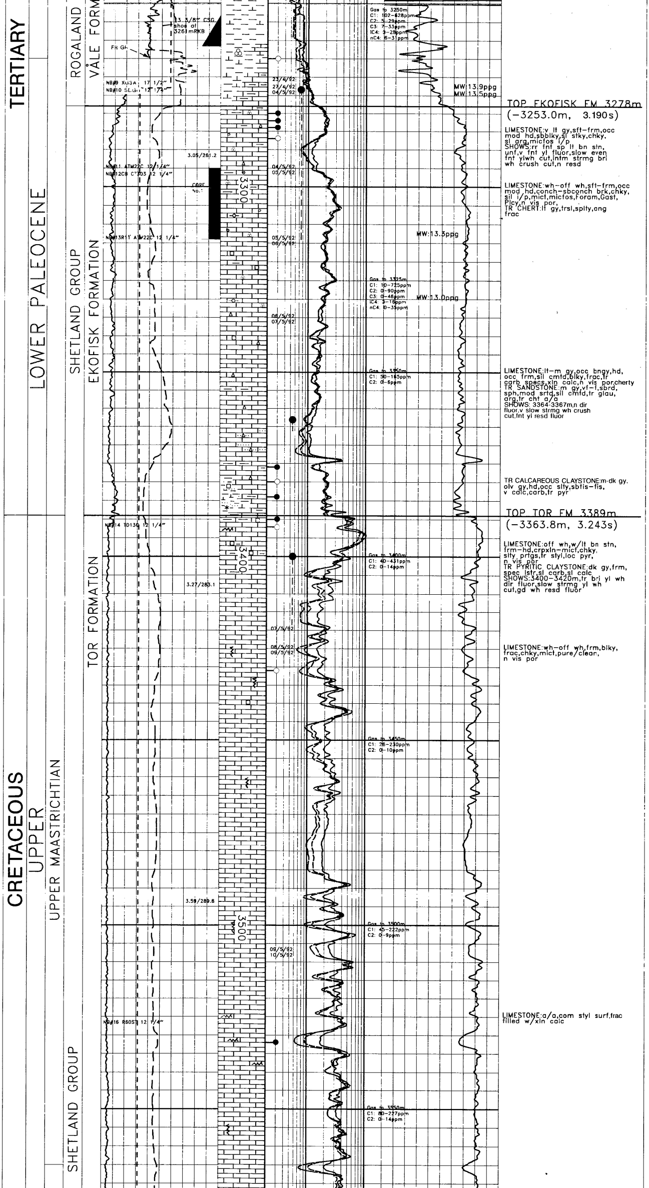
TOP VÅLE FM 3167.5m
(–3142.5m, 3.114s)

TR SANDSTONE:wh–lt gy,mod hd, f–m,sbang–sbrd,mod srtd,gnly fri,calc cmtd,n vis por

CALCAREOUS CLAYSTONE:pred lt gy–m gy,also lt bn–rdbn,occ m–dk gy lams,sft–frm,amor, blky,sl slty,mod calc,bcm v calc,tr micfos,grdg arg ls i/p,tr ss a/a
RARE SHOWS: occ vfnt dull yl fluor,gnly n fluor,rr fnt ylwh cut,n resd

TR DOLOMITE:m bn–dk bn,tan,occ crm,mod–v hd,blky,ang brk, crpxln–micxln,sl arg

TR LIMESTONE: wh,crm,frm,crpxln, blky,crumbly,fri,n vis por



TOP EKOFISK FM 3278m
(−3253.0m, 3.190s)

LIMESTONE:v lt gy,sft−frm,occ mod hd,sbblky,sl stky,chky, sl arg,micfos i/p
SHOWS:rr fnt sp lt bn stn, unf,v fnt yl fluor,slow even fnt ylwh cut,intm strmg bri wh crush cut,n resd

LIMESTONE:wh−off wh,sft−frm,occ mod hd,conch−sbconch brk,chky, sil i/p,mict,micfos,Foram,Gast, Plcy,n vis por,
TR CHERT:lt gy,trsl,splty,ang frac

LIMESTONE:lt−m gy,occ bngy,hd, occ frm,sil cmtd,blky,frac,tr carb specs,xln calc,n vis por,cherty
TR SANDSTONE:m gy,vf−f,sbrd, sph,mod srtd,sil cmtd,tr glau, arg,tr cht a/a
SHOWS: 3364-3367m,n dir fluor,v slow strmg wh crush cut,fnt yl resd fluor

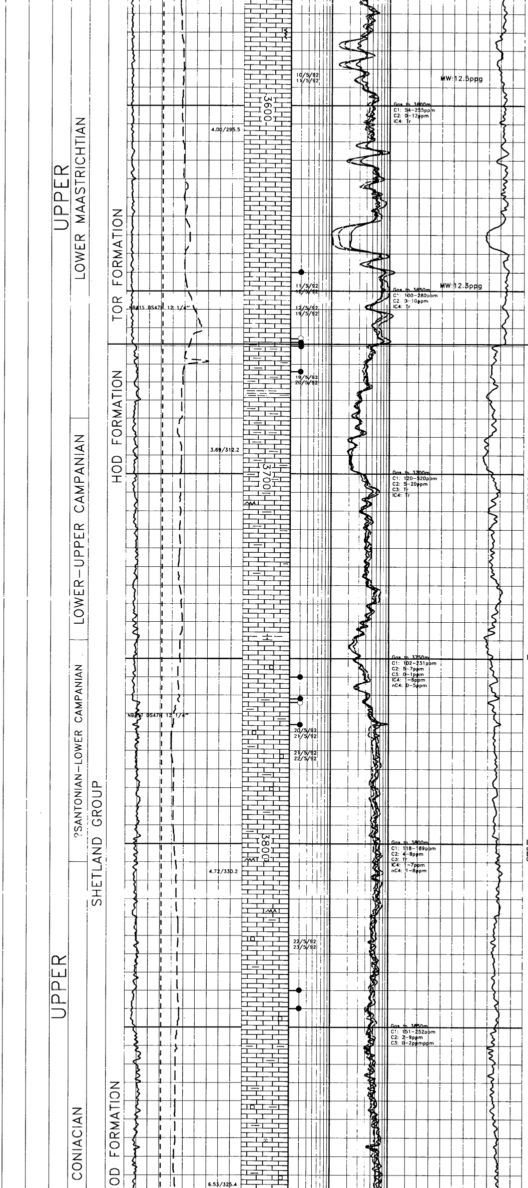
TR CALCAREOUS CLAYSTONE:m-dk gy. olv gy,hd,occ slty,sbfis−fis, v calc,carb,tr pyr

TOP TOR FM 3389m
(−3363.8m, 3.243s)

LIMESTONE:off wh,w/lt bn stn, frm−hd,crpxln−mict,chky, slty prtgs,tr styl,loc pyr, n vis por
TR PYRITIC CLAYSTONE:dk gy,frm, spec lstr,sl carb,sl calc
SHOWS:3400−3420m,tr bri yl wh dir fluor,slow strmg yl wh cut,gd wh resd fluor

LIMESTONE:wh−off wh,frm,blky, frac,chky,mict,pure/clean, n vis por

LIMESTONE:a/a,com styl surf,frac filled w/xln calc



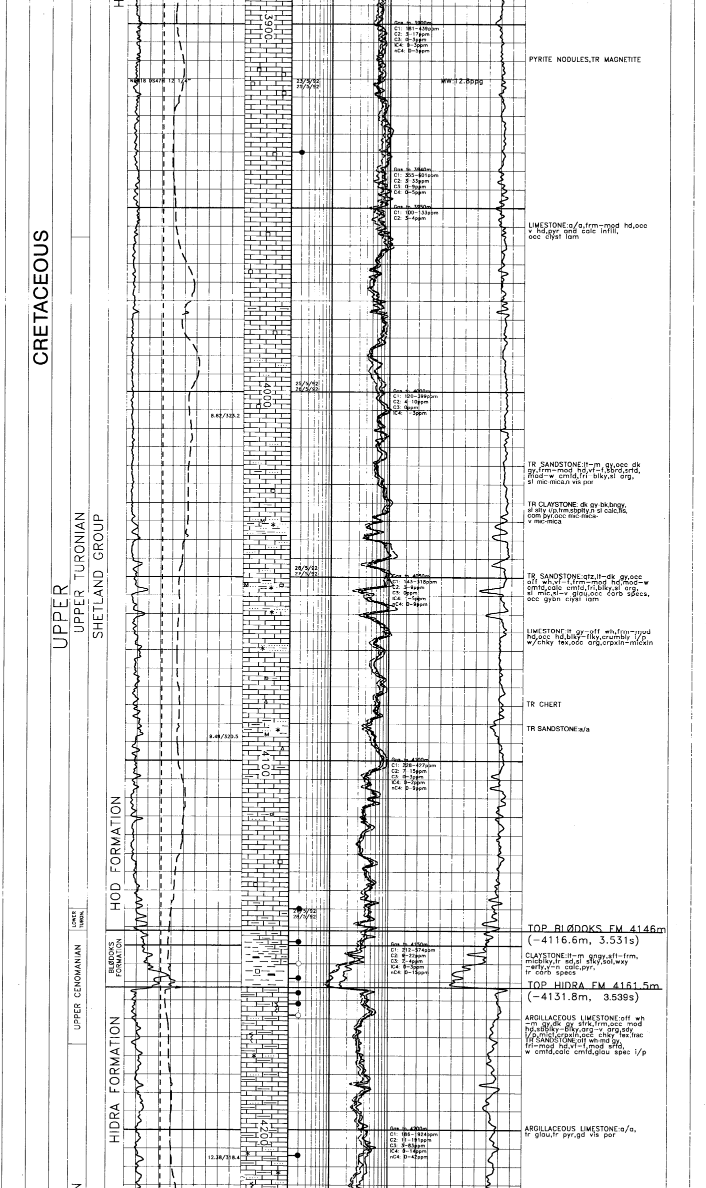
TOP HOD FM 3664.5m
(-3638.6m, 3.348s)

ARGILLACEOUS LIMESTONE:rdgy-lt pk,frm-hd,erty,arg,slty, tr qtz slt,pelmict,intbdd w/thin strgs of
LIMESTONE:off wh,frm-hd,blky, brit,chky,mict
TR CALCAREOUS CLAYSTONE:m gngy, hd,blky,fis,sl sdy,calc

LIMESTONE:wh-off wh,lt gy,frm-occ hd,blky-sbblky,crpxln,chky, mod hd,sl arg,tr bk styl surf w/occ pa pk bands,grdg loc to
CALCAREOUS CLAYSTONE:rdbn-dk bn,pk bn,sft-frm,sbblky-blky, sbfis,calc

LIMESTONE:a/a,com pyr specs

LIMESTONE:a/a,micxln i/p dissem pyr,rr pyr nod,occ bk styl surf,loc grdg to
CALCAREOUS CLAYSTONE:a/a



PYRITE NODULES,TR MAGNETITE

LIMESTONE:a/a,frm-mod hd,occ v hd,pyr and calc infill, occ clyst lam

TR SANDSTONE:lt-m gy,occ dk gy,frm-mod hd,vf-f,sbrd,srtd, mod-w cmtd,fri-blky,sl arg, sl mic-mica,n vis por

TR CLAYSTONE: dk gy-bk,bngy, sl slty i/p,frm,sbplty,n-sl calc,fis, com pyr,occ mic-mica-v mic-mica

TR SANDSTONE:qtz,lt-dk gy,occ off wh,vf-f,frm-mod hd,mod-w cmtd,calc cmtd,fri,blky,sl arg, sl mic,sl-v glau,occ carb specs, occ gybn clyst lam

LIMESTONE:lt gy-off wh,frm-mod hd,occ hd,blky-flky,crumbly i/p w/chky tex,occ arg,crpxln-micxln

TR CHERT

TR SANDSTONE:a/a

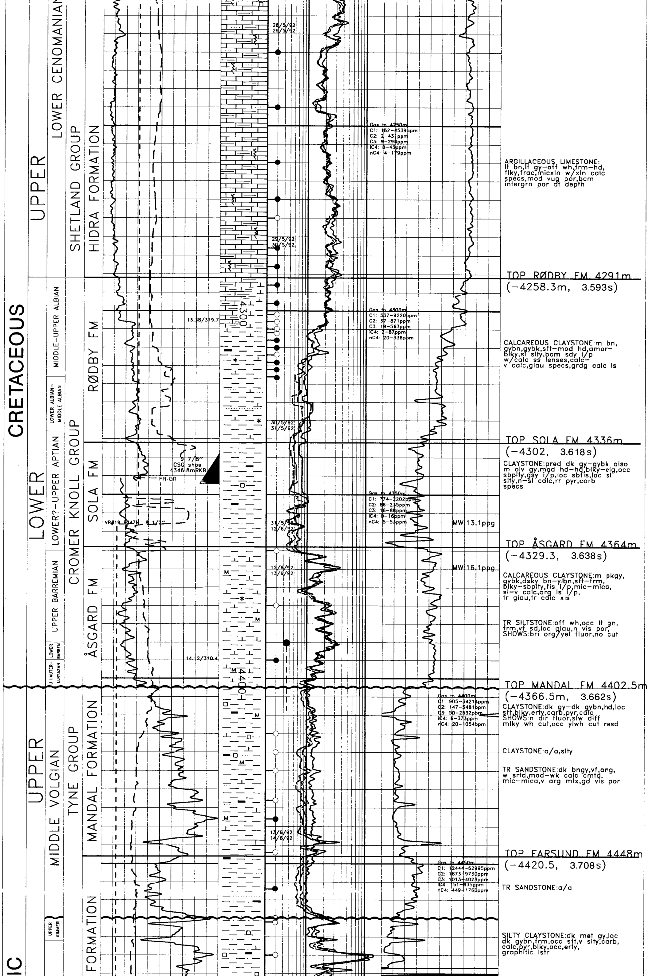
TOP BLØDOKS FM 4146m
(-4116.6m, 3.531s)

CLAYSTONE:lt-m gngy,sft-frm, micblky,tr sd,sl stky,sol,wxy -erty,v-n calc,pyr, tr carb specs

TOP HIDRA FM 4161.5m
(-4131.8m, 3.539s)

ARGILLACEOUS LIMESTONE:off wh -m gy,dk gy strk,frm,occ mod hd,sbblky-blky,arg-v arg,sdy i/p,mict,crpxln,occ chky tex,frac
TR SANDSTONE:off wh-md gy, fri-mod hd,vf-f,mod srtd, w cmtd,calc cmtd,glau spec i/p

ARGILLACEOUS LIMESTONE:a/a, tr glau,tr pyr,gd vis por



ARGILLACEOUS LIMESTONE: lt bn,lt gy-off wh,frm-hd, flky,frac,micxln w/xln calc specs,mod vug por,bcm intergrn por at depth

TOP RØDBY FM 4291m
(-4258.3m, 3.593s)

CALCAREOUS CLAYSTONE:m bn, gybn,gybk,sft-mod hd,amor-blky,sl slty,bcm sdy i/p w/calc ss lenses,calc-v calc,glau specs,grdg calc ls

TOP SOLA FM 4336m
(-4302, 3.618s)

CLAYSTONE:pred dk gy-gybk also m olv gy,mod hd-hd,blky-elg,occ sbplty,gsy i/p,loc sbfis,loc sl slty,n-sl calc,rr pyr,carb specs

TOP ÅSGARD FM 4364m
(-4329.3, 3.638s)

CALCAREOUS CLAYSTONE:m pkgy, gybk,dsky bn-ylbn,sft-frm, blky-sbplty,fis i/p,mic-mica, sl-v calc,arg ls i/p, tr glau,tr calc xls

TR SILTSTONE:off wh,occ lt gn, frm,vf sd,loc glau,n vis por, SHOWS:bri org/yel fluor,no cut

TOP MANDAL FM 4402.5m
(-4366.5m, 3.662s)

CLAYSTONE:dk gy-dk gybn,hd,loc sft,blky,erty,carb,pyr,calc SHOWS:n dir fluor,slw diff mlky wh cut,occ ylwh cut resd

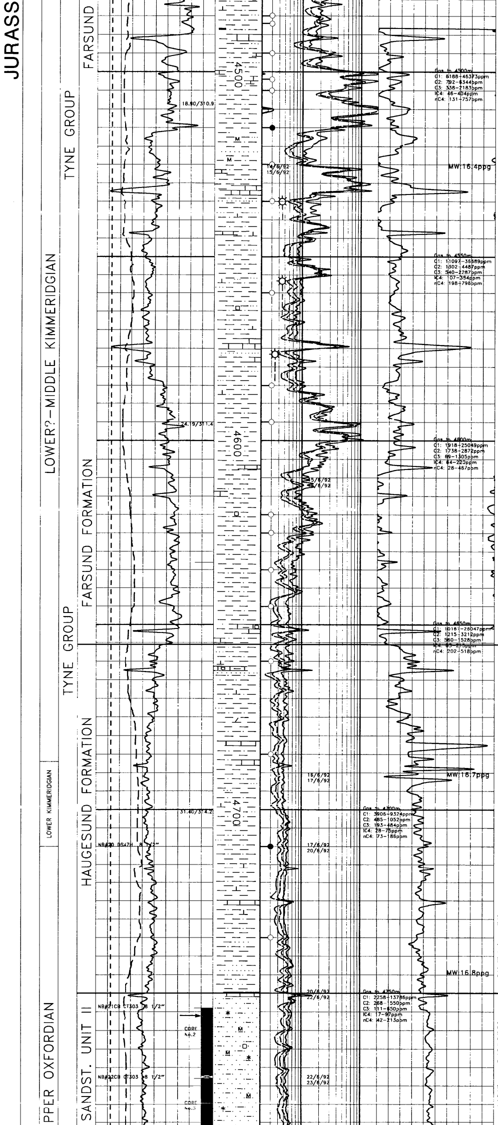
CLAYSTONE:a/a,slty

TR SANDSTONE:dk bngy,vf,ang, w srtd,mod-wk calc cmtd, mic-mica,v arg mtx,gd vis por

TOP FARSUND FM 4448m
(-4420.5, 3.708s)

TR SANDSTONE:a/a

SILTY CLAYSTONE:dk met gy,loc dk gybn,frm,occ sft,v slty,carb, calc,pyr,blky,occ,erty, graphitic lstr



TR LIMESTONE:m bn–trnsl gy,hd, blky,sl arg,micxln,occ xln calc

CLAYSTONE:a/a

TR SANDSTONE:bngr–bnbk,lt bn, frm,vf–f,fri,suc,arg mtx, calc cmtd,mic–mica,no vis por

TR LIMESTONE:a/a

SILTY CLAYSTONE:pred dk met gy–m gy,bnbk,occ blgy,frm–hd, loc sft,blky–sbplty,calc, tr pyr nods,v slty

TR SANDSTONE:a/a,occ vc–c,mlky/citron qtz,sbang,v sphr,sl pil, occ Fe ox pit

TR LIMESTONE:a/a

SILTY CLAYSTONE:dk gy,occ bnbk, frm,loc sft,blky–sbbplty,gen graphitic met lstr,carb,mod calc,tr pyr nods,v slty,grng SILTSTONE:frm,fri,occ salt and pepper tex,mic–mica,sdy i/p

TR SANDSTONE:clr–wh qtz,m gy–bngy,m c,ang–sbrnd,hd,fri,mod srtd,occ calc cmtd,arg

TR LIMESTONE:pl gy,off wh,pl bn, frm–mod hd,blky,occ erty,arg–v arg,dol i/p,mict,crpxln, occ xln pyr

TOP HAUGESUND FM

4655.5m (–4603m)
(3.868s)

SILTY CLAYSTONE:bnbk–olv bk,dk gy,frm–mod hd,sl dol,blky,occ elg,flky i/p,sbfis,slty,n–sl calc,occ mod calc

TR SANDSTONE:a/a

TR LIMESTONE:a/a

SILTY CLAYSTONE:a/a,bcm incr slty and sdy,vf,grdg arg ss i/p

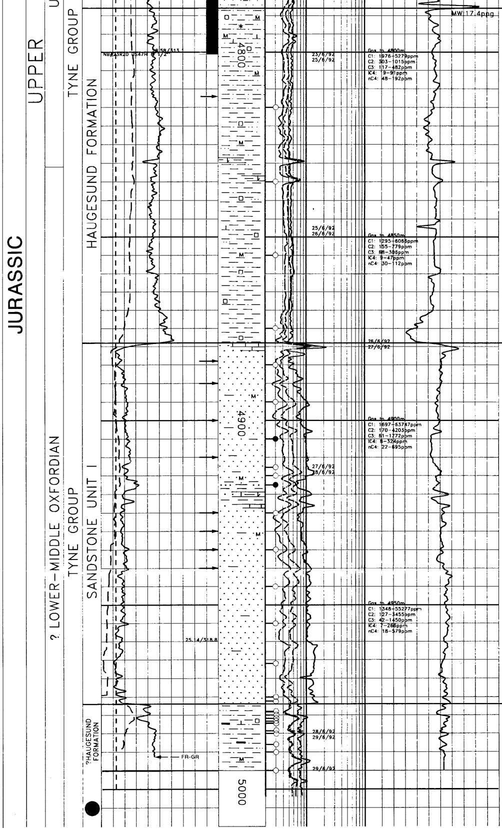
TR LIMESTONE:bngy,sft–frm,occ mod hd,sbblky–plty,erty,mict, sdy,grdg CALCAREOUS SANDSTONE i/p:lt bn,vf,srtd,ang,rwkd app SHOWS:v wk dull bn fluor,slw, even,fnt,crm,crush cut,fnt resd

TOP SANDSTONE UNIT II

4750m (–4684.4m, 3.922s)

ARGILLACEOUS SANDSTONE:lt gy–dk gy,bngy,frm,vf–f,sbrd,bcm ang, srtd,occ w srtd,w cmtd,sil cmtd,blky–sbblky,fri,lse i/p, mic–mica i/p,rr glau,occ carb, arg–v arg,SHOWS:n dir fluor, fnt slow even blwh–crm crush cut,fnt crm resd

ARGILLACEOUS SANDSTONE:olv bk–bn bk,qtz,clr,trnsl,occ lt bn in arg/slty mtx,vf,sbang–sbrd,mod–w srtd,mod cmtd,sil cmtd,blky, fri i/p,sbfis,mass,mic–mica



BASE SANDSTONE UNIT II

4788m (-4717.7m)

SILTSTONE:bnbk-olv bk,sdy i/p, mod hd,occ hd,vf,blky-ang brk, arg-v arg,n-sl calc, mic-mica,rr glau,ptch pyr

SILTY CLAYSTONE:olv bk-bnbk, mod hd,blky-ang,occ elg,sbfis, i/p,slty,occ v slty,sl mic-mica, loc pyr,sdy i/p,vf sd,n-sl calc

TR ARGILLACEOUS LIMESTONE: m gy-bngy,hd,ang brk, arg-v arg,slty i/p,dol

TOP SANDSTONE UNIT I

4879m (-4798m, 3.992s)

SANDSTONE:qtz,clr,occ mlky,occ trnsl,gnly lse,bcm consol i/p, f-m,rr c,sbang-sbrd,occ ang, sbsphr-sphr,w srtd,p-mod cmtd, pred sil cmtd,tr calc cmt,tr bn arg mtx,rr mica,gd vis por, SHOWS:gassy od,n fluor,n cut, sl tr slow even blwh crush cut, tr crm resd

TR LIMESTONE:lt-m gy,gybn-dusky bn,frm-mod hd,blky-ang, v arg,dol i/p,crpxln

SANDSTONE:lt gy-lt bn qtz,frm, fri,fr-gd vis por,else a/a SHOWS:a/a

BASE SANDSTONE UNIT I

(4977m, - 4886.6m)

SILTY CLAYSTONE:bnbk-gybk, frm-mod hd,loc hd,blky-ang, elg i/p,occ sbfis-fis,pyr i/p,tr mic-mica,carb,gnly slty,bcm sdy i/p,vf sd,n-sl calc,SHOWS:n fluor,slw even ylwh-blwh cut,m crm yl wh resd

TD DRILLERS DEPTH
4995.1m (- 4903m)