SIMON PETROLEUM TECHNOLOGY

WELL: 7120/9-1

Print: 8454N Units: [✓ M] F

Length: 29 FT Initials: TS

Top	Bottom	Scale	TD
350	2300	1:500	2300

DIGITAL WIRELINE LOGS PACKAGE
1995
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COMPLETION LOG

Norsk Hydro

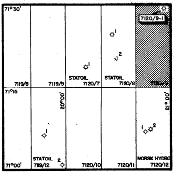
Oslo - Norway

Completion log

Scale 1:500

Well: 7120/9-1

Location map



Scale: ~ 1:560000

Coordinates:	71°29'26.57"N UTM: 7 932 343mN 20°56'49.47"E 498 125mE
Elevation K B:	23m.
Water Depth:	320m
Total Depth (Driller):	2300m
Total Depth (Logger):	2298m
Formation at Total Depth:	Upper Triassic shales and sandstones.

Country:	Norway.
Licence:	078,
Owners:	Norsk Hydro/Statoil/Elf/Shell.
Field:	–
Date Spudded:	July 25, 1982.
Reached Total Depth:	Sept 2, 1982.
Completed:	Sept 27, 1982.
Well Status:	Plugged and abandoned with gas discovery in Lower Jurassic sandstones.
Rig:	Treasure Scout.
Contractor:	Wilh. Wilhelmsen.
Mudlogging Company:	Exploration Logging.
Wireline Logging Company:	Schlumberger.
Geologists:	K. Flodberg, A. Glaeserud, M. Henderson, S. Johassen, P.A. Midtkandal, D. Nielsen, T. Stølan.
Prepared by:	
Prepared by:	B. Laerkerød.
Date:	March 14, 1983.

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Casing Records:

30"	at	404m
20"	at	744m
13 3/8"	at	1651m
9 5/8"	at	2285m
7" liner at		—

Comments:

Logs Run

ISF/LSS	LDT/CNL	HDT	DLL/MSFL	CBL / VDL	CST
1. 404 - 758.5 m 2. 744 - 1653.5 m 3.* 1650 - 1965 m 4. 1800 - 2297 m *) MSFL in combination.	1. 390 - 760 m 2. 744 - 1654 m 3.* 1651 - 1966 m 4.* 1935 - 2297 m *) NGT in combination 1650 - 2297.	1. 744 - 1653.5 m 2. 1651 - 2296 m	1. 1651 - 1966 m	1. 440 - 1646 m	1. 1117 - 1650 m 2. 772 - 1089 m 3. 1937 - 2295 m 4. 1675 - 1837 m
			VELOCITY SURVEY	**RFT**	
			1. 558 - 2300 m	1. 1840.5 - 1943.5 m 2. 1900 - 1900 m 3. 1935 - 2270 m 4. 1900 - 2226 m 5. 1900 - 1900.5 m	

Legend

CONGLOMERATE
SHALE
CHALK
ANHYDRITE
SANDY, VERY
SANDY
SANDY, SLIGHTLY
C Carbonaceous mat.

SAND/SANDSTONE
LIMESTONE
MARL/MARLSTONE
SALT
SILTY, VERY
SILTY
SILTY, SLIGHTLY
△ Chert
✱ Glauconite

SILT/SILTSTONE
DOLOMITE
COAL/LIGNITE
GYPSUM
ARGILLACEOUS
Mica
☐ Pyrite
Macrofossils

CLAY
DOLOMITIC LIMESTONE
TUFF
Macrofossils, frag

CLAYSTONE
CALCAREOUS DOLOMITE
IGNEOUS EXTR./INTR.
Microfossils

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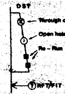
Hydrocarbon Shows.

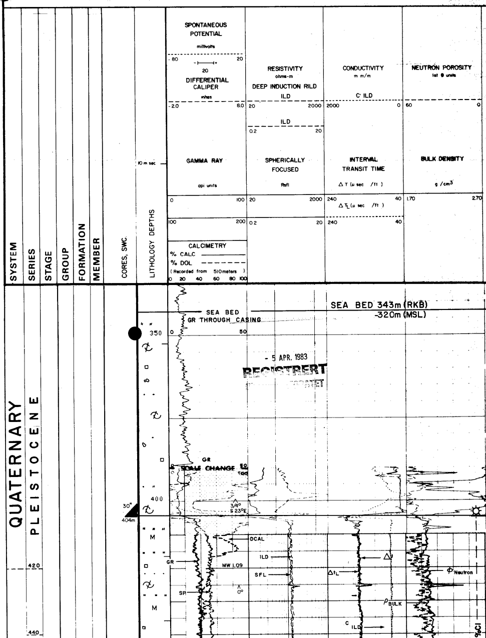
Oil stain
Fluorescence
Visible cut
Fluorescent cut
Gas shows

Casing Shoe
Deviation 2°
Dipmeter results 3°
One way time from Velocity survey (depth m K.B.) e.g: 3603 m: 1.450 s

Core interval
(No recovery)
Side Wall Core →
(No recovery) ⇾

Perforated interval
Cement Plug Interval





LITHOLOGICAL DESCRIPTION

343 - 404 m

Drilled with returns to sea bed.
Lithology interpreted from GR and bit samples.
Cly: lt olv gy - olv gy, firm, sdy, v slty, tr carb, calc, abn lithic frags incl **Gneiss, Lst, Dol, Clyst, Qtzt,** vf - pbl, cbl gneiss.

Tr **Sd:** clr Qtz, vf, occ m - f, subang - subrnd.
Tr **Shell Frags, Pyr.**

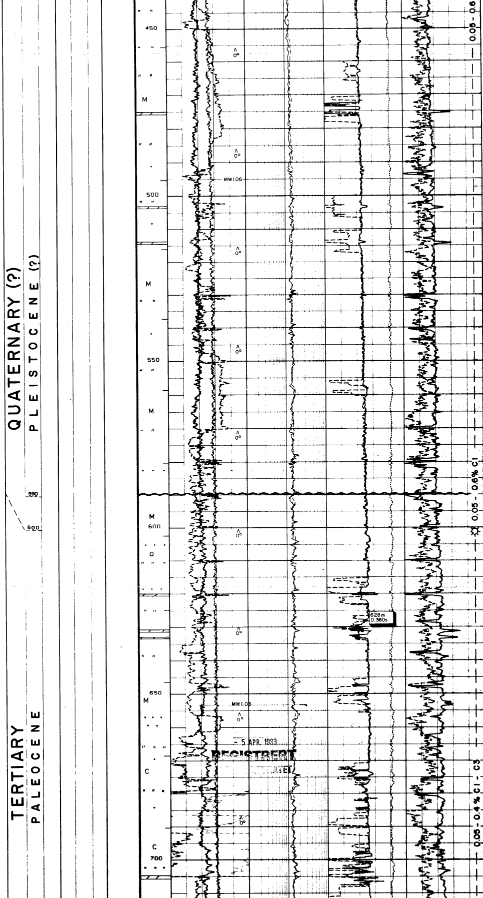
404 - 590 m

Clyst/Cly, olv blk - olv gy, sft - firm, occ plas, v slty, occ vf sdy, grdg **Slst,** blk spec mafic min, micro-mic, non calc.

Tr **Sd:** clr Qtz, minor lithic frags, crs - m, subang, mod srt.

Tr **Shell Frags, Pyr.**

Rr strgs **Dol:** dusky yel brn, hd, brit, blky arg.



590 - 962.5 m

Clyst: olv blk - olv gy, bcmg dk gy - gy blk, firm - sft, blky - plty, slty - v slty, occ grdg **Slst,** loc micro-mic, occ tr carb, non calc.

Occ tr **Sst:** lt gy, clr Qtz, vf, mod hd - fri, subrnd, arg, well srtd, pr por.

Occ strgs **Dol:** dusky - dk yel brn, hd, blky - plty, occ arg, crypto - xln.

Tr **Pyr.**

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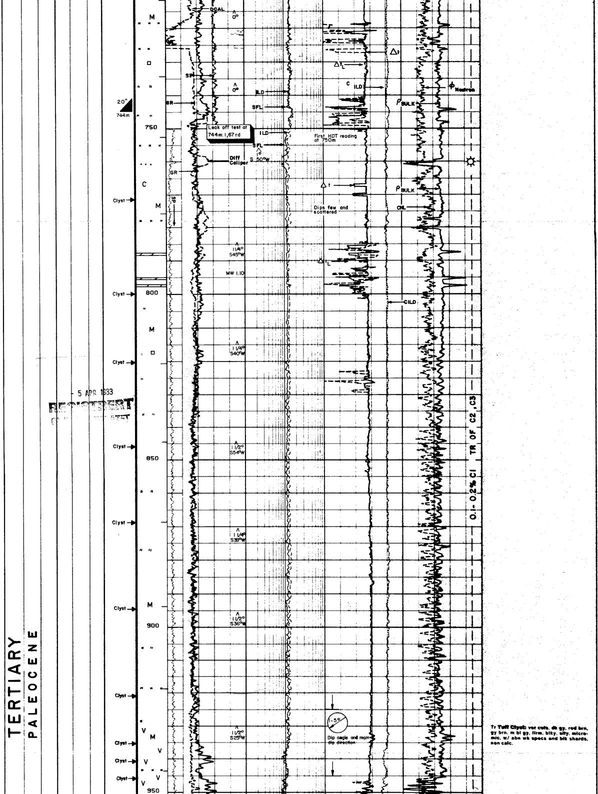

Tr Tuff Clyst: var cols, dk gy, red brn, gy brn, m bl gy, firm, blky, slty, micromic, w/ abn wh specs and blk shards, non calc.

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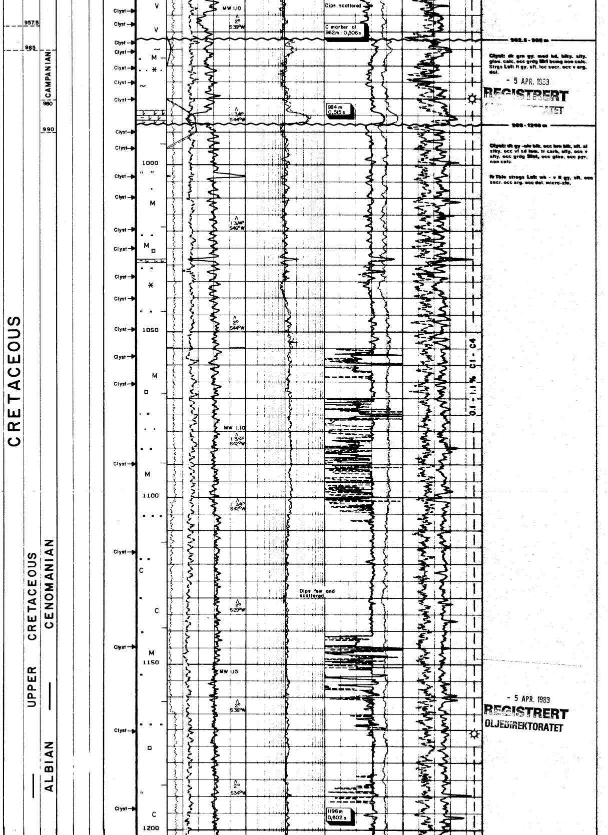

962.5 - 988 m

Clyst: dk grn gy, mod hd, blky, slty, glau, calc, occ grdg Mrl bcmg non calc. Strgs Lst: lt gy, sft, loc sucr, occ v arg, dol.

988 - 1240 m

Clyst: dk gy - olv blk, occ brn blk, sft, sl stky, occ vf sd lam, tr carb, slty, occ v slty, occ grdg Slst, occ glau, occ pyr, non calc.

Ir Thin strgs Lst: wh - v lt gy, sft, occ sucr, occ arg, occ dol, micro-xln.

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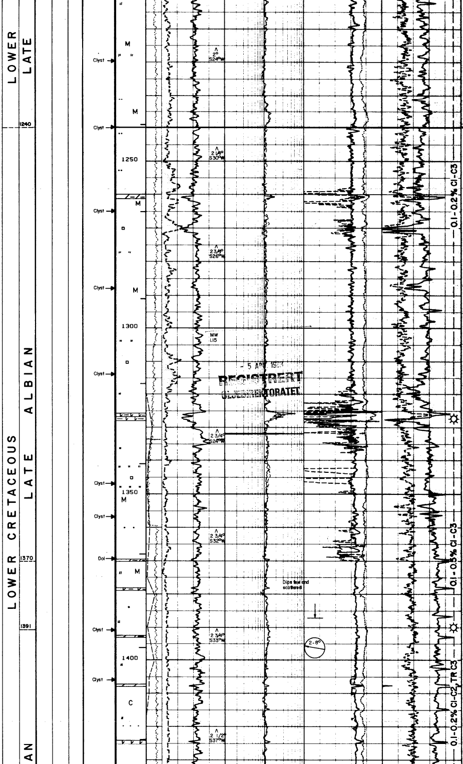

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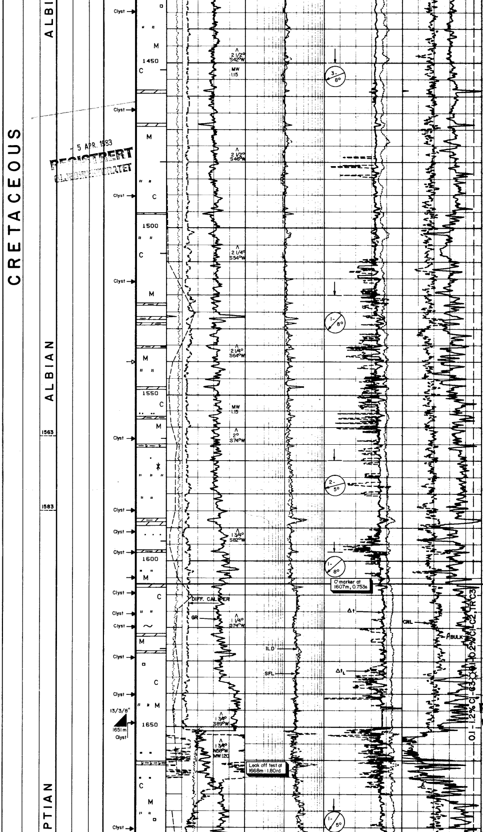
1240 - 1607 m

Clyst: grn blk, bcmg olv blk - dk gy, sft - firm, occ stky, sl slty, occ tr carb, tr pyr, sl micro-mic, non calc.

Strgs Dol: dusky yel brn, brn gy, hd - v hd, blky, arg, micro xln, occ calc grdg dol Lst.

Rr tr **Sst:** dk grn gy - m dk gy, clr Qtz, vf - slt, mod hd, subang, calc cmtd, pr vis por, no show.



1607 - 1738 m

Clyst/Sh: gy blk - dk gy, olv gy, firm, slty, occ v slty, micro-mic, occ pyr, carb, occ v carb, non - sl calc.

Strgs Dol: dusky - dk yel brn, hd, brit, occ sucr, occ arg, micro - crypto-xln.

Tr **Slst** (incr from 1698 m): brn blk - gy blk, mod hd, micro-mic, occ pyr, occ carb, occ sdy, dol, non calc.

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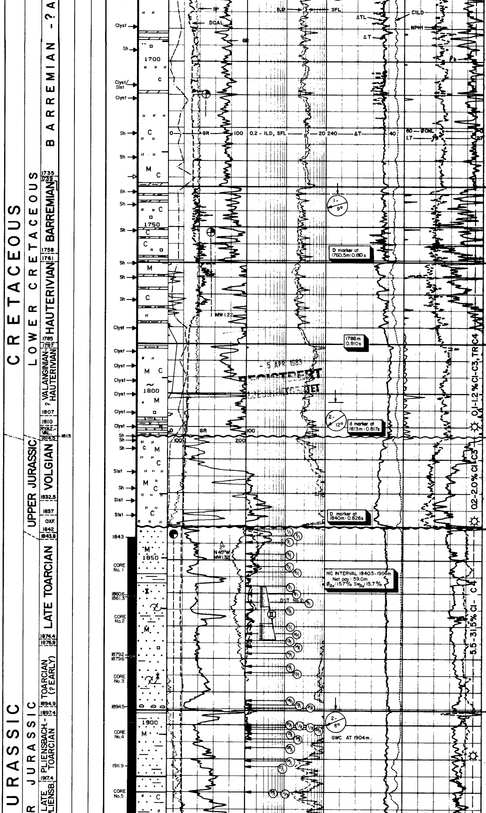


Sh and Slst incr carb.

Clyst/Sh a/a w no flu, tr weak, slow strmg dull yel - bl wh flu cut.

1738 - 1760.5 m

Sh: blk - brn blk mod hd, fis, micro-mic, carb occ pyr, slty lam. sl calc, w show a/a.

Strgs **Dol:** dk - dusky yel brn, hd, v arg, micro xln.

Tr show a/a

1760.5 - 1780 m

Sh: blk, mod hd, v fis, micro-mic, carb, sl calc, show a/a

strgs **Dol:** a/a.

1780 - 1813 m

Clyst/Sh: m - dk red brn, firm, sl - mod slty, micro-mic, sl carb, sl - v calc, occ grdg **Mrl.**

Strgs **Lst:** wh - gy orng pink, firm - v hd, sl arg, dol, crypto - micro xln.

1813 - 1840.5 m

Slst grdg **Sh:** brn blk, mod hd - hd, micro-mic, v carb, non calc, w/ **no flu, slow strmg yel - bl wh flu cut, bri yel wh flu resd.**

1840.5 - 1896 m

Sst: gy brn, clr Qtz, vf - m, mod hd, occ hd, subang - subrnd, silic cmtd, tr gy brn - yel brn cly mtx, occ sl mic, occ sl glau, mod - well srtd, fair por, **sl bleeding gas, brn oil stn, dull - lt yel flu, slow - fast strmg bri yel wh - bl wh flu cut, bri yel wh flu resd.**

Occ **Clyst** lam and clasts: brn gy - brn blk, slty, carb, micro-mic, non calc.

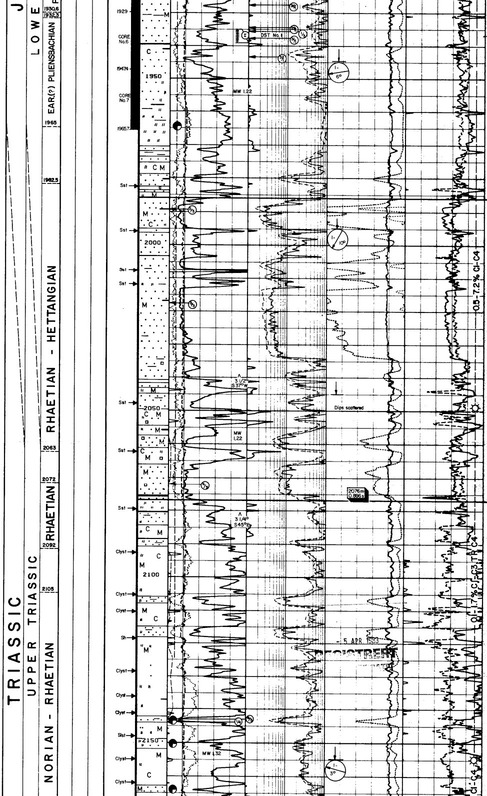
Occ tr **shell frags** and **Pyr.**

Sst/Cgl: f - pbly, a/a.

1896 - 1986 m

Sst: gy brn - yel brn, pred vf - f, rr m - crs, mod hd - hd, subang - subrnd, pred sl micro-mic, slty i/p, occ carb as scat mat or lams, olv gy - yel brn, cly mtx, occ coal seams, occ tar incls gen silic cmtd, fair - occ pr por, **gd HC odour, occ dk brn oil stn, 100% bri yel wh flu, occ dull yel, fast strmg yel wh flu cut, yel wh flu resd.**

Thin bds **Sh:** m gy - yel brn, mod hd, slty, micro-mic, non calc.



Slst: brn blk, mod hd, arg, lam of vf sst.

And **Coal:** blk, hd, brit.

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Thin bds **Sh:** blk - dk brn blk, v hd, sl slty, sl mic, carb, plant rmns, non calc.

FOR DETAILS ON CORES SEE CORE DESCRIPTIONS BELOW.

Note:
Core depths 1,5 - 1,75 m deeper than loggers depth.

1986 - 2077 m

Sst: yel brn - brn gy, clr Qtz, pred f, occ vf - crs, fri, subang, sl arg, mic, occ pyr, sl silic cmtd, fair - gd por, **100% bri yel flu, fast strmg bri yel wh - bl wh flu cut, brn gy vis cut, yel wh flu resd.**

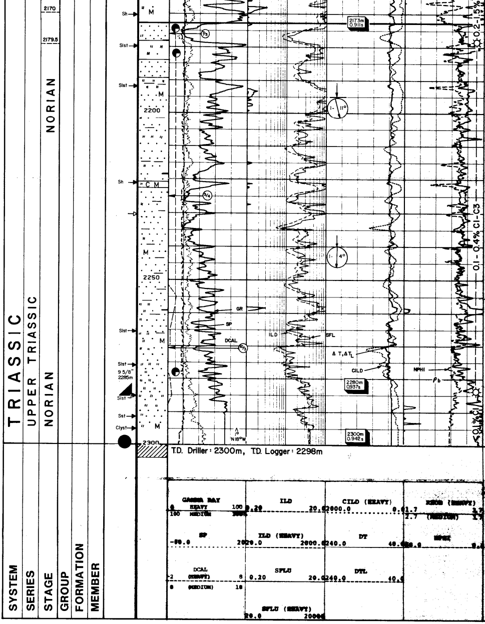
Occ thin beds **Sh:** dusky yel brn, brn blk, mod hd, blky - fis, shiny, slty, micromic, pyr, carb, non calc.

2077 - 2173 m

Clyst/Sh: m - dk gy, brn gy, yel brn, mod hd, occ sft, sl micro-mic, sl - mod slty, occ sl carb, non - sl calc, occ **tr dull yel flu, v weak dull yel crush cut.**

Minor intbds **Sst:** dk yel brn - brn gy, clr Qtz, vf - f, occ m - crs, mod hd, subang - subrnd, occ mic, occ wh cly mtx, silic cmtd, mod - pr srtd, pr vis por, **dull yel - brn gold flu, slow strmg dull yel wh - dk yel flu cut, no vis cut, bri yel wh flu resd.**

Occ lam **Sst:** pale - dk yel brn, mod hd, arg, micro-mic, sl carb, non calc, occ **tr dull yel flu, tr dull yel flu crush cut.**



2173 - 2300 m

Sst: pale - dk yel brn, brn gy, clr - mlky, Qtz, pred vf - f, rr m - crs, mod hd - hd, occ fri, subang - subrnd, wh cly mtx, silic cmtd, tr Musc **flakes,** pr - mod srtd, gen fair vis por, **dull yel flu, slow - fast strmg yel wh flu cut, no vis cut, wh flu resd.**

Strgs **Slst:** m gy, brn blk, mod hd, arg, occ grdg vf **Sst,** micro-mic, sl carb, non calc.

And **Clyst/Sh:** lt - dk gy, occ blk, mod hd, blky - subfis, slty, micro-mic, carb when blk, non calc.

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Slst: a/a grdg **Sh** a/a

CORES

Norsk Hydro

Well no		Core no.
7120/9-1	Core report	1

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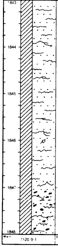
Well no		Core no.
7120/9-1	Core report	1

Interval 1843 - 1848 m	Area Troms I	Cut 1843.0 - 1861.3 m	Date 24.8.82
Scale 1:35	Well R.K.B 23 m	Recovery 1843.0 - 1860.6 m (96%)	Geologist Nilsen/Stolan



Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows
				Sst: lt gy brn mod hd clr Qtz vf - f loc m well srtd subang silic cmtd - 1 cm lams of brn - blk v carb **Clyst**, tr brn gy cly mtx fair por	Strong HC odour v sl bl dg gas. lt brn oil stn 100% weak dull - lt yel flu bri yel wh - bl wh flu, v slow - fast strmg cut bri yel wh flu resd
					No flu no cut
				a/a vf - m mod srtd	M - dk brn oil stn. 100% dull yel brn flu. slow - fast strmg, bri yel wh flu cut. bri yel wh flu resd.
				Plant foss, pyr stems calc precip in leaves, ptly brn blk cly infilled	
			1847.0 m	Mud flake **Congl**: **Sst**, a/a por - fair por clasts of **Clyst**: dk brn gy, mod hd - silty grdg **Slst**, micro-mic, non calc	M - dk brn oil stn. Dull yel - loc bri yel wh flu slow - fast strmg bri yel wh flu cut bri yel wh flu resd

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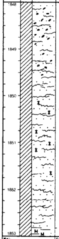
Well 7120/9-1	Core report 1 of 4	Core no's 1

Interval 1848 - 1853 m	Area Troms I	Cut 1843.0 - 1861.3 m	Date 24.8.82
Scale 1:35	Well R.K.B 23 m	Recovery 1843.0 - 1860.6 m (96%)	Geologist Nilsen/Stolan



Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows
				Sst: m gy brn. mod hd. clr Qtz. f - m. mod srtd. subang. silic cmtd. tr calc cmt. tr m brn - brn blk cly mtx. tr glau, m - dk grn. fair - loc v gd por.	M - dk brn oil stn. 20% dull yel flu. 70% v slow - fast strmg bri yel wh - bl wh flu cut, bri yel wh flu resd.
			1852.8 m		

Well 7120/9-1	Core report 2 of 4	Core no's 1

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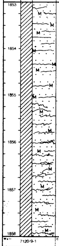
Well no 7120/9-1	Core report		Core no's 1
Interval 1853 - 1858 m	Area Troms I	Cut 1843.0 - 1861.3 m	Date 24.8.82
Scale 1:35	Well R.K.B 23 m	Recovery 1843.0 - 1860.6 m (96%)	Geologist Nilsen/Stolan



Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows
				Even bdd **Sst:** m brn gy mod - v hd clr Qtz f well srtd subang, silic cmtd tr lt brn gy cly mtx thin mic lams - 1 mm poor por	100% dull yel flu. 100% slow strmg bri yel wh flu cut. bri yel wh flu resd. M - dk brn oil stn.
			1855.2 m	**Sst:** lt brn gy v hd. clr Qtz. f. well srtd subang, silic cmtd. tr pale yel brn cly mtx. mic. poor - fair por	Tr dull - lt yel flu. tr bri yel wh slow strmg flu cut. tr bri yel wh flu resd. M - dk brn oil stn

Well 7120/9-1	Core report 3 of 4	Core no's 1

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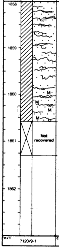
Well no 7120/9-1	Core report		Core no's 1
Interval 1858 - 1860.6 m	Area Troms I	Cut 1843.0 - 1861.3 m	Date 24.8.82.
Scale 1:35	Well R.K.B. 23 m	Recovery 1843.0 - 1860.6 m (96%)	Geologist Nilsen/Stolan

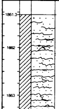


Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows
				Sst: lt - m - loc dk gy brn. mod - v hd. clr Qtz. f - m. mod srtd. subang. silic cmtd. tr pale yel brn cly mtx.	20% dull - lt yel flu. 30% v slow strmg bri yel wh flu cut. tr bri yel wh flu resd.
				Sst: m gy - m brn, loc gy blk, mod hd. vf - f - loc m. mod srtd. subang. silic cmtd. loc mic. tr gy brn cly mtx. fair - gd por.	M - dk brn oil stn weak dull - lt yel flu. slow - fast strmg. bri yel wh - bl wh flu cut. bri yel wh flu resd.
			1860.6 m		
			1861.3 m		

Well 7120/9-1	Core report 4 of 4	Core no's 1

Norsk Hydro

Well no 7120/9-1	Core report		Core no's 2
Interval 1861.3 - 1866 m	Area Troms I	Cut 1861.3 - 1879.6 m	Date 25.8.82
Scale 1:35	Well R.K.B 23 m	Recovery 1861.3 - 1879.17m (99%)	Geologist Nilsen/Stolan



Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows
			1861.3 m	**Sst:** brn gy. mod hd. clr - mlky Qtz. vf - occ f well srtd subang, silic cmtd gd tr lt - m gy cly mtx thin irregular seams of **Clyst** - 1/2 mm v sl carb. poor - fair por	Mod HC odour. sl bldg gas from zones. tr dk brn oil stn. v weak dull - lt yel flu slow - fast strmg. bri yel wh - pred bl wh flu cut. mod bri yel wh flu resd.
				Sst: a/a fn.	

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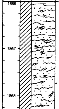
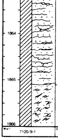
Well no 7120/9-1	Core report		Core no's 2
Interval 1866 - 1871 m	Area Troms I	Cut 1861.3 - 1879.6 m	Date 25.8.82.
Scale 1:35	Well R.K.B. 23 m	Recovery 1861.3 - 1879.17 m (99%)	Geologist Nilsen/Stolan

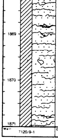


Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows
				Sst: a/a. f - m. mod srtd. v abn **Clyst** seams a/a. wh - pale yel brn cly mtx.	A/a.
			1867.75 m	**Sst:** a/a vf - f. Inside belemnite hollow: clear, transparent cubic crysts.	



Depths	Lithological descriptions	Shows
1865.2 m	**Sst:** a/a, shell bank w/ Belemnites, Terebratulidae, Lamellibranchs, Gastropods	

Well 7120/9-1	Core report 1 of 4	Core no's 2

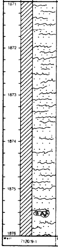


Depths	Lithological descriptions	Shows
	Sst: a/a, vf - m, mod srtd, tr lt - m gy cly mtx, sl carb	

Well 7120/9-1	Core report 2 of 4	Core no's 2

Norsk Hydro

Well no 7120/9-1	Core report		Core no's 2
Interval 1871 - 1876 m	Area Troms	Cut 1861.3 - 1879.6 m	Date 25.8.82
Scale 1:35	Well RKB 23 m	Recovery 1861.3 - 1879.17 m (99%)	Geologist Nilsen/Stolan



Depths	Lithological descriptions	Shows
	Sst: a/a	A/a
	Sst: a/a brn gy - dk yel brn, mod hd, f - well srtd, mod carb	
	Burrows, brachiopods, gastropods	

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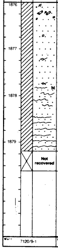
Norsk Hydro

Well no 7120/9-1	Core report		Core no's 2
Interval 1876 - 1879.17	Area Troms I	Cut 1861.3 - 1879.6 m	Date 25.8.82.
Scale 1:35	Well RKB 23 m	Recovery 1861.3 - 1879.17 m (99%)	Geologist Nilsen/Stolan

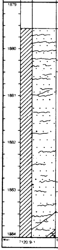


Depths	Lithological descriptions	Shows
	Sst: a/a, lt olv gy - olv gy, vf - f, well srtd, lt - m gy cly mtx, pyr, carb, large wood frags, pt pyr, ptly w **Coal.**	A/a.
	Sst: a/a, lt olv gy, f, well srtd, lams of gy blk - brn blk **Clyst,** < 1/2 mm, sl carb.	
1879.17 m		
1879.60 m		

Well 7120/9-1	Core report 4 of 4	Core no's 2

Norsk Hydro

Well no 7120/9-1	Core report		Core no's 3
Interval 1879.6 - 1884 m	Area Troms I	Cut 1879.6 - 1894.5 m	Date 25.8.82
Scale 1:35	Well RKB 23 m	Recovery 1879.6 - 1894.5 m (100%)	Geologist Nilsen/Stolan

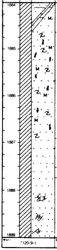


Depths	Lithological descriptions	Shows
	Sst: olv gy, mod hd, cl Qtz, vf - loc m, well srtd, subang - subrnd, silic cmtd, tr dk gy cly mtx, thin lams of gy blk org rich **Clyst,** sl carb, fair por	Sl-mod HC-odour, zones of bldg gas, sl m - dk brn oil stn, 100% weak - mod dull - lt yel flu, 100% slow - fast strmg bri yel - bri yel wh - loc bl wh flu cut, bri yel wh flu resd
1879.6 m		
1880.24 m Sealed Sample 1880.47 m		
	Sst: a/a	
1882.83 m Sealed Sample 1883.07 m		
1883.5 m		

Well 7120/9-1	Core report 1 of 4	Core no's 3

Norsk Hydro

Well no 7120/9-1	Core report		Core no's 3
Interval 1884 - 1889 m	Area Troms I	Cut 1879.6 - 1894.5 m	Date 25.8.82
Scale 1:35	Well RKB 23 m	Recovery 1879.6 - 1894.5 m (100%)	Geologist Nilsen/Stolan



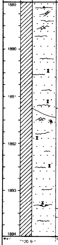
Depths	Lithological descriptions	Shows
	Clyst infilled faults.	A/a
	Sst: a/a, sl mic, foss frags, abn spiral shaped burrows	
1884.6 m		
1886.85 m	**Sst:** a/a, olv gy - brn gy	
1887.56 m Sealed sample 1887.73		
	abn load favtel Loc sl calc cmtd.	

Well 7120/9-1	Core report 2 of 4	Core no's 3

Norsk Hydro

Well no		Core no's
7120/9-1	Core report	3

Interval	Area	Cut	Date
1889 - 1894 m	Troms I	1879.6 - 1894.5 m	25.8.82
Scale	**Well R.K.B**	**Recovery**	**Geologist**
1:35	23 m	1879.6 - 1894.5 m (100%)	Nilsen/Stolan



Depths	Lithological descriptions	Shows
	Sst: a.a Load faults and structures	A.a
	Loc sl calc cmtd. **Sst:** brn gy - olv gy, mod hd, f - m poorly - mod srtd, subang - subrnd silic cmtd, wh - m gy - olv gy cly mtx sl mic, tr glau, dk grn - grn blk, fair - gd por	A.a. dk brn - brn blk oil stn
1891.25 m	Faulted.	
1891.40 m	Sl load faulted	
1893.36 m Sealed sample 1893.61 m		

Well	Core report	Core no's
7120/9-1	3 of 4	3

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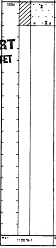
Well no		Core no's
7120/9-1	Core report	3

Interval	Area	Cut	Date
1894.0 - 1894.5 m	Troms I	1879.6 - 1894.5 m	25.8.82
Scale	**Well R.K.B**	**Recovery**	**Geologist**
1:35	23 m	1879.6 - 1894.5 (100%)	Nilsen/Stolen



Depths	Lithological descriptions	Shows
	Sst: lt olv gy, mod hd - fri, vf - loc m well srtd, subang - subrnd, silic cmtd, m gy cly mtx, tr glau, dk grn - grn blk, sl carb, fair - gd por.	A/a, weak dk brn oil stn.
1894.3 m		
1894.5 m	**Sst/Congl:** olv gy, mod - v hd, f - pbly, (1 cm), poorly srtd, subang - rnd, silic cmtd, tr calc cmt, wh - lt gy cly mtx, thin lams of v carb, gy blk, pyr **Clyst**, tr glau, m - dk grn, v sl carb, poor - fair por.	

Well	Core report	Core no's
7120/9-1	4 of 4	3

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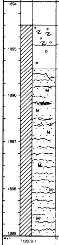
Well no		Core no's
7120/9-1	Core report	4

Interval	Area	Cut	Date
1894.5 - 1899 m	Troms I	1894.5 - 1911.9 m	26.8.82
Scale	**Well R.K.B**	**Recovery**	**Geologist**
1:35	23 m	1894.5 - 1911.9 m (100%)	Nilsen/Stolan



Depths	Lithological descriptions	Shows
		The whole of this core below the shale (1894.9 - 1895.4 m) shows 100% fluorescence and 100% cut. The cut from the whole section turns dk blue to violet with time (10 - 15 min) The tar inclusions give a strong dk blue to violet fluorescence
1894.5 m	**Congl/Sst:** as in bottom of core 3, but w v abn foss frags, brachiopods and molluscs	
1894.9 m	**Sh:** m gy - olv gy, mod hd, mod - v slty, micro-mic, pyr, non calc	
1895.4 m	**Sst:** olv gy - gy brn, mod hd, clr Qtz, vf - f, well srtd, sbang - subrnd, silic cmtd, tr olv gy cly mtx, v sl mic, sl carb, 1 mm seams of v org rich **Clyst**, scattered tar incls, gd por	Strong HC-odour, bldg gas from zones, sl - mod dk brn oil stn, strong bri yel wh flu, fast - inst strng bri yel wh flu cut, bri yel wh flu resd
	A/a	A/a

Well	Core report	Core no's
7120/9-1	1 of 4	4

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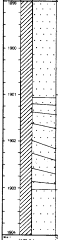
Well no		Core no's
7120/9-1	Core report	4

Interval	Area	Cut	Date
1899 - 1904 m	Troms I	1894.5 - 1911.9 m	26.8.82
Scale	**Well R.K.B**	**Recovery**	**Geologist**
1:35	23 m	1894.5 - 1911.9 m (100%)	Nilsen/Stolen



Depths	Lithological descriptions	Shows
	Homogeneous **Sst**: a/a.	a/a.
1901.0 m	**Sst**: a/a, w large scale x - bdg.	a/a.
1903.0 m	Homogeneous **Sst**: a/a.	Strong dk brn - brn blk oil stn, v strong bri yel wh flu, v fast - inst strng bri yel wh flu cut, bri yel wh flu resd.

Well	Core report	Core no's
7120/9-1	2 of 4	4

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Well no		Core no's
7120/9-1	Core report	4

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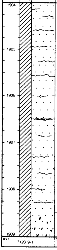
Well no		Core no's
7120/9-1	Core report	4

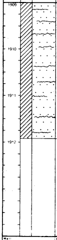
Interval 1904 - 1909 m	Area Troms	Cut 1894.5 - 1911.9 m	Date 26.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1894.5 - 1911.9 m	Geologist Nilsen Stoian



Depths	Lithological descriptions	Shows
	Homogeneous **Sst**: a/a	A/a
		A/a
1908.5 m	Abn tar filled vugs	
1909.0 m		

Well 7120/9-1	Core report 3 of 4	Core no's 4

Interval 1909 - 1911.9 m	Area Troms I	Cut 1894.5 - 1911.9 m	Date 26.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1894.5 - 1911.9 m (100%)	Geologist Nilsen/Stoian



Depths	Lithological descriptions	Shows
	Homogeneous **Sst**: a/a	V strong HC-odour mod brn oil stn. strong bri yel wh flu, v fast - inst strng. bri yel wh flu cut, bri yel wh flu resd.
	A/a.	A/a.
1911.9 m		

Well 7120/9-1	Core report 4 of 4	Core no's 4

Norsk Hydro

Well no 7120/9-1	Core report	Core no's 5

Interval 1911.9 - 1916.0 m	Area Troms I	Cut 1911.9 - 1929.0 m	Date 26.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1911.9 - 1929.0 m (100%)	Geologist Davies/Glaeserud

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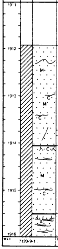


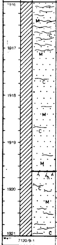
Depths	Lithological descriptions	Shows
1911.9 m	**Sst**: [illegible] dk yel brn, dusky yel brn, vf - f subang hd occ sl fri occ micro-mic. arg. slty in pts. loc arg mtx non calc well srtd v poor vis por Occ arg carb. mic lam. pred clean. homogeneous	Whole core bleeding gas. loc thin oil film on core surface Loc hydrocarbon odour no clear oil staing 100% uniform bright yel flu. instant strng yel wh flu cut no vis cut. lt yel vis resd
1913.67 m Sealed sample 1913.86 m	70° micro frac	
1914.05 m	**Coal**: strg 2 - 3 cm thick blk hd brit clean frags and lam in carb **Slst** mtx. hd mic non calc	
	Sst: a/a grd incr carb arg. lams	
1915.50 m	2 cm **Coal** strg. a/a w underlying rootlets	
		Shows a/a

Well 7120/9-1	Core report 1 of 4	Core no's 5

Norsk Hydro

Well no 7120/9-1	Core report	Core no's 5

Interval 1916.0 - 1921.0 m	Area Troms I	Cut 1911.9 - 1929.0 m	Date 26.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1911.9 - 1929.0 m (100%)	Geologist Davies/Glaeserud



Depths	Lithological descriptions	Shows
	Sst: a/a. arg. carb lam.	**Shows**: a/a.
1917.15 m	**Sst**: pale - dk yel brn f - vf. subang - subrnd. hd. slty. arg mtx. micro-mic. loc tr carb. rr lam, pred homogeneous. non calc. mod srtg. loc poor vis por	Bleeding gas. 100% weak. dull gold flu. mod fast strmg. yel - wh, flu cut. no vis cut. lt yel flu resd.
1919.65 m	**Coal** strg: 3 cm. blk. hd. brit. cln, in pt dk brn. slty. mic.	
1920.08 m Sealed sample 1920.21 m	**Sst**: a/a.	
1920.70 m		

Well 7120/9-1	Core report 2 of 4	Core no's 5

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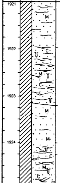
Well no 7120/9-1	Core report	Core no's 5

Interval 1921.0 - 1926.0 m	Area Troms I	Cut 1911.9 - 1929.0 m	Date 26.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1911.9 - 1929.0 m (100%)	Geologist Davies/Glaeserud

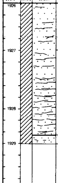


Depths	Lithological descriptions	Shows
	Sst: dusky yel brn. vf - slty. ang - subang. hd. tr micro-mic. occ blk. arg. carb. mic lam. pred cln. mod - gd srtg. no vis por	Bleeding gas. 100% uniform dull grn yel flu. slow. weak - mod. lt yel strmg flu cut. dull yel flu resd.
1921.96 m	**Sst**: a/a abn arg. carb. mic lam. loc bioturbated. occ horizontal and vertical burrows.	
1923.29 m	**Sst**: a/a decrease lam. vf - slty. occ f. sl fri. rr vis por.	Weak HC odour. bleeding gas. 100% uniform dull gold flu. cust - slow weak lt yel. strmg flu cut. lt yel flu resd
1924.01 m Sealed sample 1924.52 m	**Sst**: a/a incr lam. bioturbation and occ burrows. Loc grds to hd **Shly Slst**.	

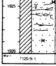
Norsk Hydro

Well no 7120/9-1	Core report	Core no's 5

Interval 1926.0 - 1929.0 m	Area Troms I	Cut 1911.9 - 1929.0 m	Date 26.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1911.9 - 1929.0 m (100%)	Geologist Davies/Glaeserud



Depths	Lithological descriptions	Shows
	Sst: dk yel brn. vf - slty. occ arg lam a/a. no vis por	100% weak dull yel flu, weak. fast. slow weak. lt yel strmg flu cut. dull yel flu resd.
1927.03 m	**Sst**: pl yel brn - olv gy. vf - occ f, subang - subrnd. hd. v slty. arg mtx. non calc. incr arg. mica. carb lam. mod srtg. low vis por.	100% dull yel flu cut, fast - slow lt yel strmg flu cut. bright yel flu resd.
1928.80 m	**St**: a/a vf - slty.	100% lt yel flu, fast - slow. lt yel strmg flu cut. bright yel wh. flu resd.
1929.0 m		



Depths
1925.60 m

Well 7120/9-1	Core report 3 of 4	Core no's 5

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Well 7120/9-1	Core report 4 of 4	Core no's 5

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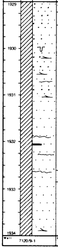
Well no 7120/9-1	Core report		Core no's 6
Interval 1929 - 1934 m	Area Troms I	Cut 1929.0 - 1947.4 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1929.0 - 1947.4 m (100%)	Geologist Nilsen/Stolan

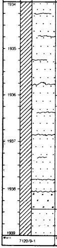


Depths	Lithological descriptions	Shows
1929.22 m Sealed sample 1929.49 m	Laminated rock of **Slst** grdg vf **Sst**: pale yel brn - brn blk, mod - v hd, silic cmtd, v mic and carb where slty, fair por where **Sst**.	All **Sst** in this core has 100% flu and 100% cut. Strong HC-odour bleeding gas, loc bleeding oil in vf **Sst**: v strong bright yel wh flu, inst strmg bri yel wh - bl wh flu cut, bright yel wh flu resd
	Sst: dk yel brn, mod hd, sl fri, clr Qtz, vf - crs, pred f - m, mod srtd, sl silic cmtd tr pale yel brn cly mtx, sl mic, sl carb, a few tar incls, 1 mm irregular **Coal** seams	Strong HC-odour, m - dk brn oil stn, v strong spotty bri yel wh flu on dull yel flu back - ground, fast to inst strmg bri yel wh flu cut bri yel wh flu resd
1929.64 m Sealed sample 1929.83 m		

Well 7120/9-1	Core report 1 of 4	Core no's 6

Norsk Hydro

Well no 7120/9-1	Core report		Core no's 6
Interval 1934 - 1939 m	Area Troms I	Cut 1929.0 - 1947.4 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1929.0 - 1947.4 m (100%)	Geologist Nilsen/Stolan



Depths	Lithological descriptions	Shows
	Sst: a/a, w 1 mm **Coal** seams.	V strong HC-odour, dk brn oil stn, strong spotty bri yel wh flu on dull yel flu back ground, cut & resd a/a.
1936.00 m Sealed sample 1936.24 m	**Sst**: a/a, w 1 mm seams of v mic carb mat.	Mod - strong HC-odour m brn oil stn, dull yel flu, slow - fast strmg bri yel wh flu cut, bri yel wh flu resd.
1938.10 m	**Sst**: a/a, pale - dk yel brn, w 0.5 cm bds of tar / **Coal**. Erosional surface.	Mod - strong HC-odour m brn oil stn, dull yel flu, slow - fast strmg bri yel wh flu cut, bri yel wh flu resd.
	Slst: brn blk, mod hd, arg, w lams of vf **Sst**.	
1938.40 m	Homogeneous **Sst**: pale - loc dk yel brn, mod hd, sl - mod fri, vf - f - rr m, well srtd, subang - subrnd, sl silic cmtd, tr pale yel brn cly mtx, sl - mod mic, sl carb, a few 1 mm coal seams, gd por	Strong HC-odour, loc bleeding oil, bleeding gas, dull yel brn - dull yel bri yel wh, spotty flu, fast - inst strmg bri yel w - bl wh flu cut, bri yel wh flu resd.

Well 7120/9-1	Core report 2 of 4	Core no's 6

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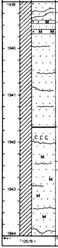
Well no 7120/9-1	Core report		Core no's 6
Interval 1939 - 1944 m	Area Troms I	Cut 1929.0 - 1947.4 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1929.0 - 1947.4 m (100%)	Geologist Nilsen/Stolan



Depths	Lithological descriptions	Shows
1939.24 m Sealed sample 1939.42 m	**Sh**: dusky yel brn, frm, sl - mod slty, vf sdy, micro-mic **Sh**: a/a	On **Sh**: v weak dull yel flu, v slow strmg bright yel wh flu cut, bright yel wh flu resd
	Sst: dk - dusky yel brn, f - m, a/a, 1 mm **Coal** seams	dull - bright yel wh flu, fast - inst strmg, bright yel wh flu cut, bright yel wh flu resd
1941.70 m	**Coal** seam, blk, vitr, fri	
1942.42 m Sealed sample 1942.61 m	**Sst**: pale - dk yel brn, mod - v hd, vf - f, well srtd, subang - subrnd, silic cmtd, tr lt - m gy cly mtx, sl mic, thin mic lams, sl carb, tr tar, fair por	mod - strong HC-odour, weak dk brn oil stn, bleeding gas, strong bright yel wh flu, fast - inst strmg, bri yel wh flu cut, bright yel wh flu resd

Well 7120/9-1	Core report 3 of 4	Core no's 6

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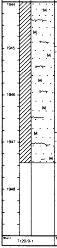
Well no 7120/9-1	Core report		Core no's 6
Interval 1944 - 1947.4 m	Area Troms I	Cut 1929.0 - 1947.4 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1929.0 - 1947.4 m (100%)	Geologist Nilsen/Stolan



Depths	Lithological descriptions	Shows
	Sst: a/a	As from 1942 m.
1944.94 m Sealed sample 1945.14 m		
1946.78 m Sealed sample 1946.93 m		
1947.4 m		

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Well 7120/9-1	Core report 4 of 4	Core no's 6

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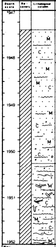
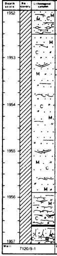
Well no **7120/9-1**	**Core report**		Core no's **7**
Interval 1947.4 - 1952.0 m	Area Troms I	Cut 1947.4 - 1965.66 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1947.4 - 1965.66 m (100%)	Geologist Davies/Glæserud



Depths	Lithological descriptions	Shows
1947.4	**Sst**: pale - dk yel brn, clr Qtz, vf, subang - subrnd, hd - v hd, mica, arg bcm slty at base, non calc, silic cmt mod srtd, no vis por	Whole core bleeding gas, loc thin oil film on core surface, loc hydrocarbon odour, loc brn - dull grn oil stn
1947.93 m Sealed sample 1948.10	Occ slty, arg, carb, abn mic lam, pred clean homogeneous	100% uniform bright yel flu on **Sst**, inst strmg yel wh flu cut, no vis cut, strong wh flu resd
	Occ carb incl, occ abn mic	
1950.25 m	**Sst**: pale - dk yel brn, occ clr Qtz, vf grdg to **Slst**, subang - subrnd, v hd, micro-mic, occ pyr, v arg, non - sl calc occ carb incl, mod srtd, no vis por incr slty, arg, carb, mic lam, x-lam, ripple - lam, rr burrows	Shows a/a

Well 7120/9-1	Core report 1 of 4	Core no's 7

Well no **7120/9-1**	**Core report**		Core no's **7**
Interval 1952 - 1957 m	Area Troms I	Cut 1947.4 - 1965.66 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1947.4 - 1965.66 m (100%)	Geologist Davies/Glæserud



Depths	Lithological descriptions	Shows
	Sst: a/a, abn mic, occ - abn carb incl. Horizontal burrows.	Shows a/a.
1952.40 m	**Sst**: pale - dk yel brn, vf to slty, subang, subrnd, v hd, mica, arg, non - sl calc, silic cmt, poor - mod srtd, no vis por. Fairly homogeneous **Sst**, occ lam, x-bdg, ripple - lam.	
1953.26 m Sealed sample 1953.37 m		
1955.65 m	**Sst**: a/a Abn lam, x-bdg, ripple - lam.	
	Coal: blk - brn blk, hd, cln, vit hd, bright brit, blky; lam, sm slty, dull, sl earthy, v carb, coaly **Slst** underlying 10-20 cm coalified rootlets.	Slow bleeding gas from slty **Coal**, week dull yel flu, slow lt yel strmg cut, dull yel flu resd.

Well 7120/9-1	Core report 2 of 4	Core no's 7

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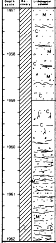
Well no **7120/9-1**	**Core report**		Core no's **7**
Interval 1957 - 1962 m	Area Troms I	Cut 1947.4 - 1965.66 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1947.4 - 1965.66 m (100%)	Geologist Davies/Glæserud



Depths	Lithological descriptions	Shows
	Sst: a/a occ slty arg lam, ripples, x-bdg	Weak hydrocarbon odour, 100% dull - lt yel flu, inst slow, strmg yel wh flu cut, lt yel - wh flu resd
1958.50 m Sealed sample 1958.65 m		Weak hydrocarbon odour, bleeding gas bleeding mod brn - yel grn oil
1959.0 m	**Sh**: blk - dk brn blk, v hd, blky, sl slty earthy, sl micro-mic, carb, w coalified plant rmn and rootlets, non calc	
	Int lam **Sst**, arg **Slst**. **Sst**: pale yel brn, vf, hd, slty, micro-mic silic cmt, rr micropyr, well srtd, no vis por, w blk, arg, slty mica, carb partings	Shows a/a

Well 7120/9-1	Core report 3 of 4	Core no's

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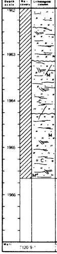
Well no **7120/9-1**	**Core report**		Core no's **7**
Interval 1962 - 1965.66 m	Area Troms I	Cut 1947.4 - 1965.66 m	Date 27.8.82
Scale 1:35	Well R.K.B. 23 m	Recovery 1947.4 - 1965.66 m (100%)	Geologist Davies/Glæserud



Depths	Lithological descriptions	Shows
	Sh: a/a	
	Slst: lt olv gy, v hd, massive occ arg, carb partings, w carb plant rmns, tr micro-mic, occ vf sdy, rr sl calc, no vis por Occ vert. micro fracs. **Slst** w arg + **Sh** lam, occ arg prtings.	V.weak, dull yel flu excpt along micro fracs where strong bright yel flu which gives fast strmg dull yel flu cut, slow strmg lt yel flu cut from rest of **Slst**.
	Occ thin **Sh** lam, blk - dk brn, hd, fis, mic, slty carb, noncalc	On **Slst**: No flu, v weak, slow strmg, dull yel flu cut.
1965.66 m		

Well 7120/9-1	Core report 4 of 4	Core no's 7

RFT RESULTS

WELL: **7120/9-1**

No.	Depth (MRKB)	H.P (PSI)	F.P. (PSI)	PERM.	No.	Depth (MRKB)	H.P. (PSI)	F.P. (PSI)	PERM.

RUN 1

1/1	1840.5	3221	2993	Good
2/1	1842.5	3222	2993	Good
3/1	1844.5	3226	2996	V. good
4/1	1848.3	3233	2999	Fair
5/1	1851.5	3240	2998	Low
6/1	1853.3	3243	2999	Low
7/1	1857.5	3247	3001	Low
8/1	1860	3253	3001	Low
9/1	1862.5	3257	3004	Low
10/1	1865	3261	3001	Fair
11/1	1870	3271	3004	Low
12/1	1872	3274	3004	Low
13/1	1874	3278	3006	Good
14/1	1876	3281	3005	Low
15/1	1878	3286	3006	Low
16/1	1882	3292	3007	Low
17/1	1884	3296	3008	Low
18/1	1892.5	3308	3010	Low
19/1	1893.5	3310	3008	Fair
20/1	1894.5	3312	3010	Fair
21/1	1899.5	3321	3011	Low
22/1	1901	3323	3013	Low
23/1	1902.5	3326	–	Sead failure
24/1	1904	3330	3026	Fair
25/1	1905.5	3332	3021	Low
26/1	1910.5	3341	3025	Low
27/1	1912	3342	3028	Fair
28/1	1920	3356	3037	Good
29/1	1927.8	3370	3051	Low
30/1	1934.5	3383	–	Tight
31/1	1937.5	3388	3066	Low
32/1	1943.5	3398	3074	Good
33/1	1842.5	3215	2991	Good

Took 2³/₄ gal sample and recovered:
39.2 cu-ft gas w/ thin oil film. 5.75 l filtrate
(Drained on rig floor).

RUN 2

1/2	1900	3318	3007	Good

Took segregated sample and recovered:
2³/₄gal: no recovery
0.8 m ft gas.
3.75 l mud filtrate.
(Drained on rig floor).

RUN 3

1/3	1935.5	3404	3073	Low
2/3	1939	3501	3157	Very good
3/3	2017.5	3551	3200	Very good
4/3	2072	3646	3284	Good
5/3	2143	3773	–	Seal failure
6/3	2143.5	3762	3385	Good
7/3	2176	3829	3446	Low
8/3	2226	3916	–	Seal failure
9/3	2225.5	3916	–	Seal failure
10/3	2270.4	3996	3595	Fair
11/3	1919.7	3384	3062	Fair
12/3	1900			

Att. segr. sample: No recovery.

RUN 4

1/4	2143.5	3762	3385	Very good
2/4	2226	3916	–	Seal failure
3/4	2225	3903	3505	Low
4/4	1900			

Att segr. sample: No recovery.

RUN 5

1/5	1900.5	3338	3022	Good

Took 2³/₄ gal sample at 1900.5 m and recovered:
10 l mud filtrate, thin film of oil.

DST RESULTS

DST 1

Perforated interval: 1935 - 1939 m
No fluids produced. No quantitative analysis could be performed with test data obtained.

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DST 2/2A

Perforated intervals: 1858 - 1864 m and
1869 - 1874 m.

Choke size: 52/64"

Flow rates: 10.3 MMSCF/D gas, grav 0.72
68.7 BBLS/D condensate, 53.5° API.

GOR: 150.000 SCF/BBL, CO_2 : 6.5%.

Checked: B.Lae
Date: 14.3.83

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