SIMON PETROLEUM TECHNOLOGY

WELL: 7120/12-3

Print: 8456T	Units: [✓ M] F	Top	Bottom	Scale	TD
Length: 21 FT	Initials: MaW	220	2525	1/500	2524

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

T

Norsk Hydro
Oslo - Norway

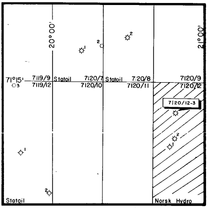
Completion log

Scale 1:500

Well: 7120/12-3

REGISTRERT
OLJEDIREKTORATET
14 DES. 1983

Location map


20°00'
21°00'
71°15'
7119/9
Statoil
7120/7
Statoil
7120/8
7120/9
7119/12
7120/10
7120/11
7120/12
7120/12-3
3
1
2
Statoil
Norsk Hydro

Scale: 1:500000

Coordinates:	71°11' 43,31"N. UTM: 7 899 412mN 20°46'43,70"E. 492 032mE ZONE: 34, 21°E
Elevation K B:	23m
Water Depth:	185m
Total Depth (Driller):	2523 m
Total Depth (Logger):	2524m
Formation at Total Depth:	Upper Triassic shales and sandstones.

Country:	Norway
Licence:	061
Owners:	Norsk Hydro/Statoil/Conoco/Amoco
Field:	—
Date Spudded:	March 16, 1983
Reached Total Depth:	April 27, 1983
Completed:	May 5, 1983
Well Status:	Plugged and abonded with gas discovery in Middle/Lower Jurassic sandstones.
Rig:	Treasure Scout
Contractor:	Wilh. Wilhelmsen
Mudlogging Company:	Exploration Logging
Wireline Logging Comp.:	Schlumberger
Geologists:	A.Henderson, R.Ree, J.Edvardsen, D.Nilsen, A.Davies, K. Kalgraff, L.Beckman, M. Skaug.
Prepared by:	M.Henderson, J.T.Edvardsen, B.Lærkerød.
Date:	November 1. 1983

Casing Records:

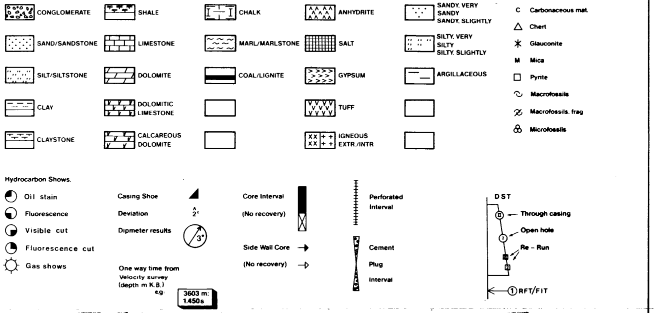
30"	at	269 m
20"	at	586 m
13 3/8"	at	1485m
9 5/8"	at	
7" liner at		

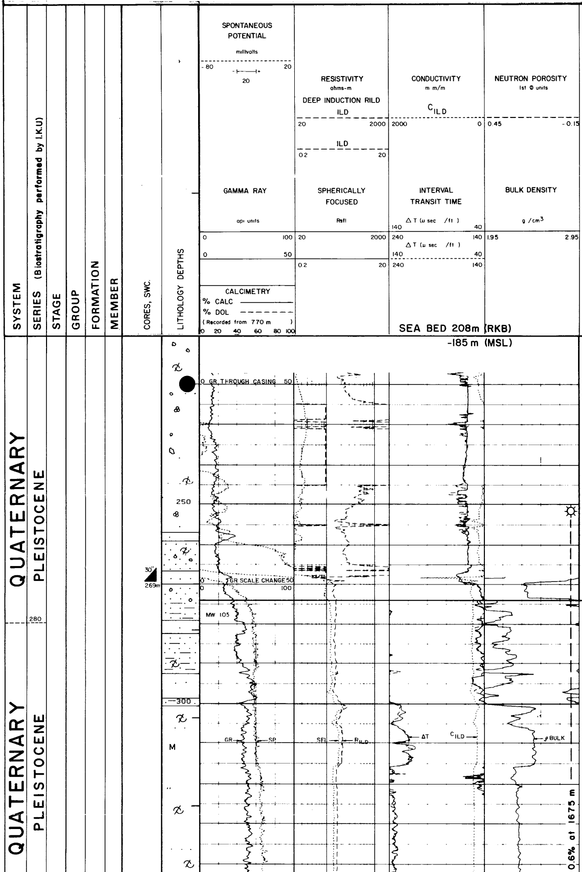
Comments:

Logs Run

ISF/LSS	LDT/CNL	HDT	DLL/GR	RFT	CST
1. 268 - 617 m 2. 585 - 1510,5 m 3. 1487 - 2265 m* 4. 2230 - 2524m	1. 268 - 617 m * 2. 585 - 1512 m * 3. 1487 - 2523,5m	1. 585 - 1508 m 2. 1487 - 2522,5 m	1. 2140 - 2520 m	1. 2160 - 2218,5m 2. 2172,5 m 3. 2178,5 m	1. 695 - 1506 m 2. 1982 - 2523m 3. 1507 - 1957,5m
		CBL-VDL	VEL.SUR		
		1. 225 - 1480 m	1. 382 - 2522,5 m		
*MSFL in combination	*LDT/GR only.				

Legend


CONGLOMERATE
SAND/SANDSTONE
SILT/SILTSTONE
CLAY
CLAYSTONE
SHALE
LIMESTONE
DOLOMITE
DOLOMITIC LIMESTONE
CALCAREOUS DOLOMITE
CHALK
MARL/MARLSTONE
COAL/LIGNITE
ANHYDRITE
SALT
GYPSUM
TUFF
IGNEOUS EXTR./INTR.
SANDY, VERY
SANDY
SANDY, SLIGHTLY
SILTY, VERY
SILTY
SILTY, SLIGHTLY
ARGILLACEOUS
C Carbonaceous mat.
Chert
Glauconite
M Mica
Pyrite
Macrofossils
Macrofossils, frag
Microfossils
Hydrocarbon Shows.
Oil stain
Fluorescence
Visible cut
Fluorescence cut
Gas shows
Casing Shoe
Deviation
2°
Dipmeter results
3°
One way time from Velocity survey (depth m K.B.) e.g.
3603 m: 1.450s
Core Interval
(No recovery)
Side Wall Core
(No recovery)
Perforated Interval
Cement
Plug
Interval
DST
Through casing
Open hole
Re - Run
RFT/FIT



208 - 274 m

Drilled with returns to sea bed.

Lithology interpreted from GR, ROP and bit samples.

Till/Boulder Cly: olv gy, sft - firm, stky, slty - cbly, clr - milky Qtz, ang - subrnd, loc well rnd, v pr srtd, abn rock frags, vf red brn **Sst,** Gneiss, Mica Schist, Hornfels, Musc, Biot, Feldspar, Garnets, Pyroxenes, Amphiboles.

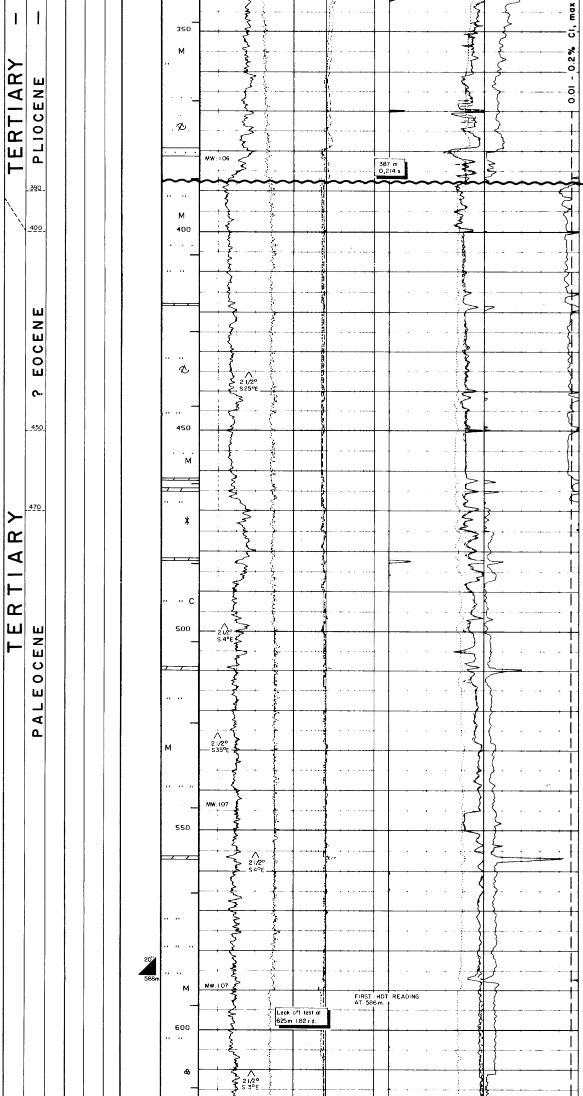
Loc **Shell Frags, Forams,worm tubes**

274 - 387 m

Cly: mdk - dk gy olv gy, sft, stky, slty - sdy, micro mic, sl calc.

Strgs Sd: clr - mlky Qtz, rock, frags, f - pbly, subang - rnd, pr srtd.

Tr **Shell Frags, Rock frags**



387 - 725 m

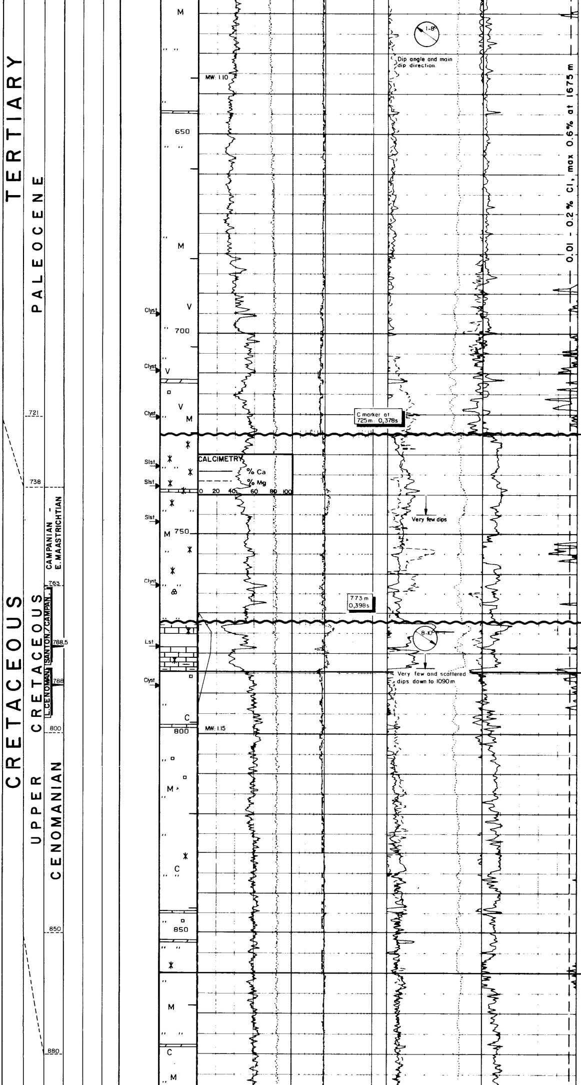
Clyst/Cly: m gy bcm olv gy - olv blk bcm olv gy - grn gy, sft - firm, loc v sft, loc stky, blky, occ subfis, sl - occ v slty grdg **Slst,** rr vf sdy, micromic, loc sl carb, non calc.

Tr **Sd:** clr - milky Qtz, rr rock frags, f-crs, pred f, subang - subrnd, mod srt

Tr **Slst:** olv blk, firm, plty - blky, arg, micromic, sl carb, non calc.

Loc strgs **Dol:** dusky yel brn, m lt gy, v hd, brit, blky, sl arg, micro - cryptoxln.

Loc tr **Shell Frags, Glau.**



Clyst: bcm olv gy - dk - lt grn gy, gy brn - v dusky red, minor m - dk gy, tr gy blk, mod hd - firm, occ sft, blky, occ plty - subfis, slty, tr micromic, non calc.

Tr **Tuff:** grn blk and m lt gy, v lt gy and lt grn gy, blk and wh specs, mod hd, firm - fri, blky - subfis, loc micropyr, slty, non calc.

Tr **Pyr**

725 - 773 m

Clyst: grn gy - dk grn gy, mod brn, firm - mod hd, blky, v slty grdg **Slst,** v glau, tr micromic, non calc.

Strgs Lst: lt grn gy, mod hd, brit-fri, v glau, sucr - micro-xln.

773 - 784 m

Lst: lt olv gy, mod hd, brit, blky, microxln, sucr, loc glau, occ arg mtx w/calc inclus, occ grdg **Clyst.**
Int bd **Clyst:** a/a, loc spec wh calcite.

784 - 860 m

Cly/Clyst: olv gy - olv blk, minor dk grn gy, brn blk, tr mod - dusky red, dusky yel brn, firm - mod hd, blky, occ subfis, loc v sft, stky, slty, tr micromic, loc carb, loc tr micro pyr and glau, non - sl calc.

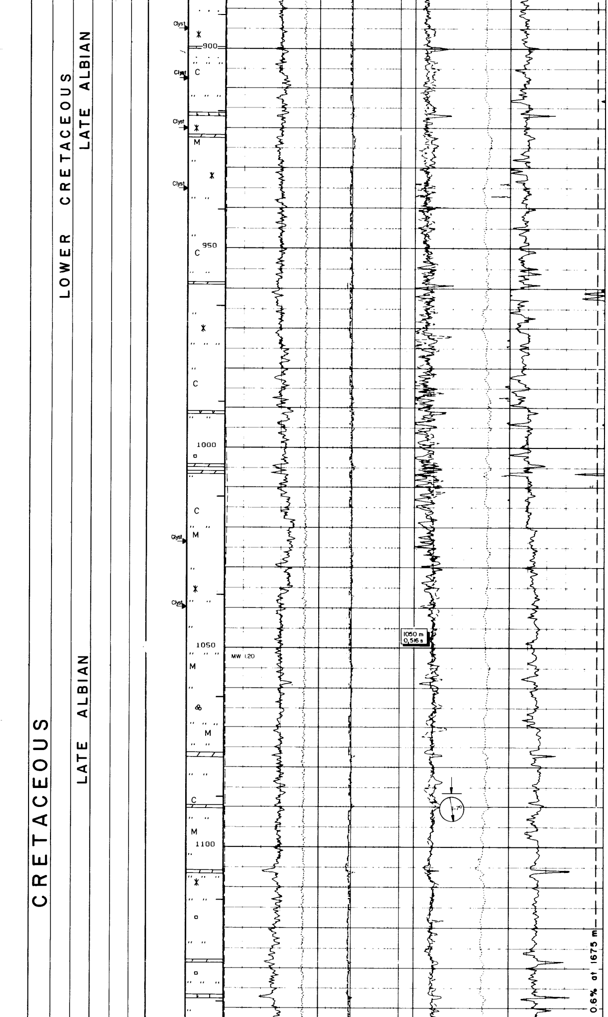
Occ strgs **Dol:** dusky yel brn, hd, blky microxln and **Lst:** lt - m dk gy, firm - mod hd, loc sft, loc arg, sucr, microxln.

860 - 1385,5 m

Clyst/Cly: olv gy - olv blk - gy blk, minor **dusky yel brn, lt olv gy,** mod hd - v sft pred firm, pt stky, pt brit, blky - subfis, slty loc v slty grdg **Slst,** loc tr vf sdy, micromic, tr carb, loc tr glau and micropyr, pred non calc, minor sl calc.

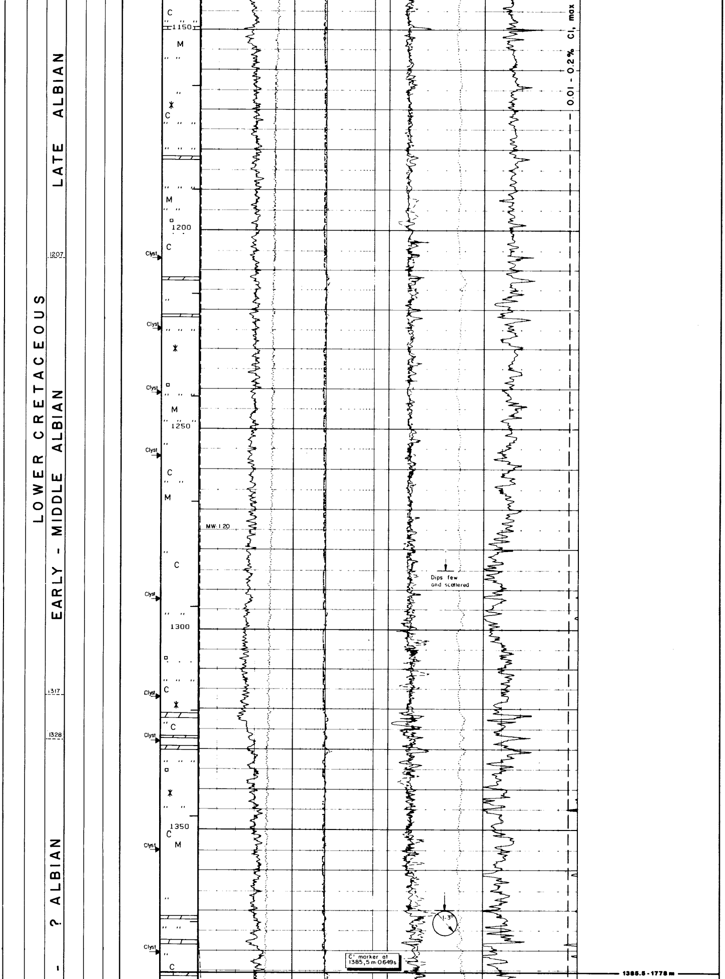
Tr **Slst:** olv gy - olv blk, gy blk - dk gy, mod hd - firm, blky, v arg, micromic, loc carb, occ glau, non - sl calc.

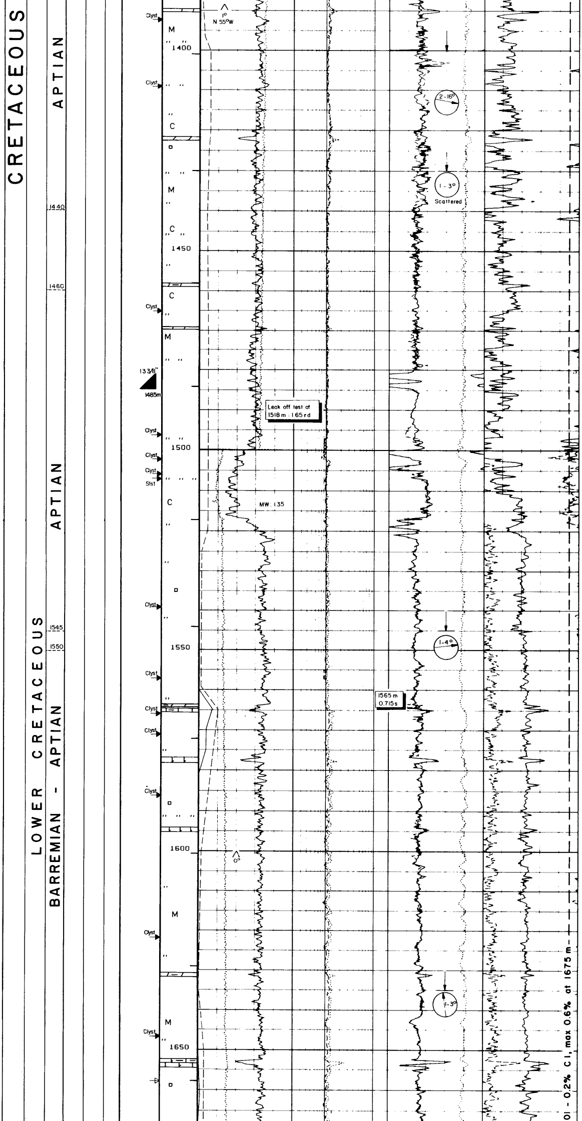
Strgs Dol: dusky yel brn, mod - v hd, brit, blky, crypto - microxln, loc sucr~~osic~~, loc calc.



Strgs Lst: wh, lt gy, olv gy, pink gy, lt grn gy, pale yel brn, hd, occ sft - firm, brit, blky - plty, pt chky, sucr, loc arg, glau, microxln - cryptoxln.

Rr strgs Sst: m lt gy, dk grn gy, vf - slt, fri - lse, subang - subrnd, Loc arg, glau, tr micromic, mod - well srt, fair por.

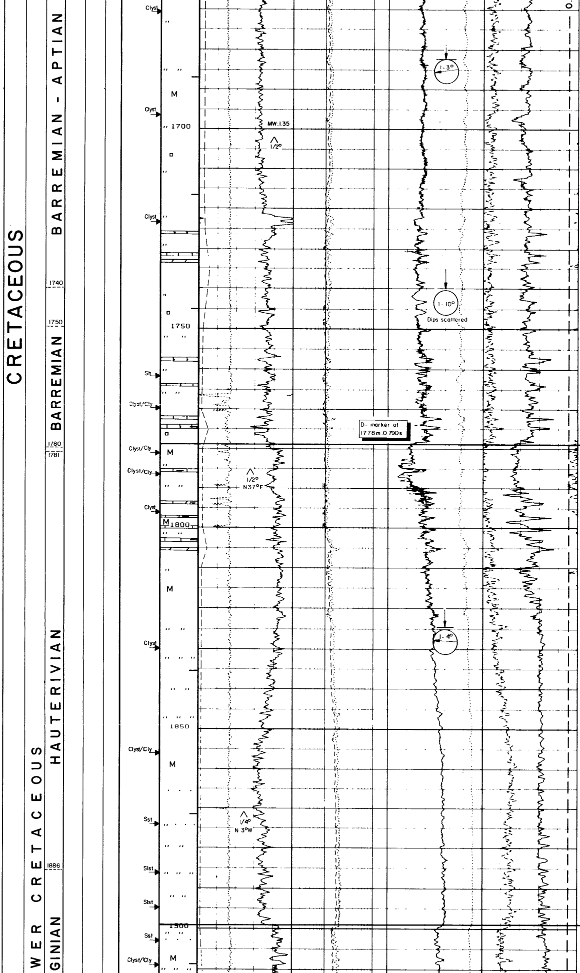




Clyst: olv blk - gy blk, brn blk - dusky yel brn, firm - mod hd, occ app as sft **Cly,** blky - subfis, micro-mic, slty, occ grdg **Slst,** sl carb, occ tr pyr, sl calc.

Occ thin strgs **Dol:** dusky yel brn, olv gy, sft - hd, occ v arg, crypto - micro xln, and **Lst:** lt gy - pink gy, hd, blky, arg, sucr - micro-xln, occ dol.

Tr **Cly:** brn gy - olv gy, sft, stky, sl slty, sl calc - calc.



1778 - 1899 m

Clyst: brn blk - gy blk, firm - mod hd, subfis, slty, micro-mic, occ sdy, non - sl calc, incr slty bcmg.

Slst: m dk gy, firm - mod hd, mica, carb, sl calc - calc, arg, lam w/

Sst: lt - dk gy, vf, firm - mod hd, subang - subrnd, micro-mic, v arg, sl dol, no vis por.

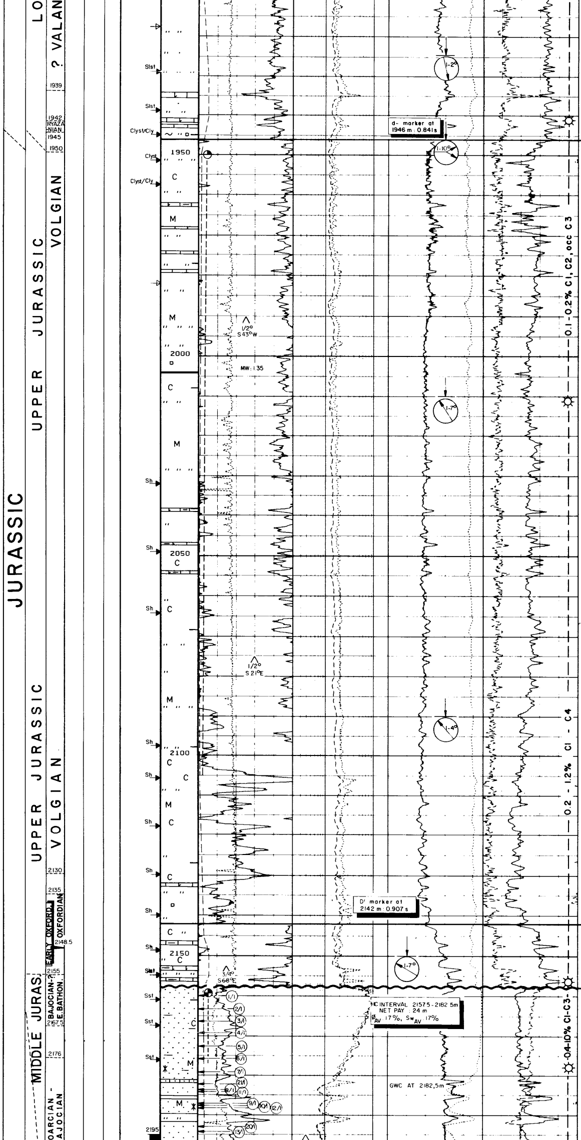
Thin strgs **Dol:** dusky yel brn, hd, brit, blky, sucr - crypto xln, and

Lst: yel brn, mod hd, plty, arg, micro-xln.

1899 - 1946 m

Clyst: mod brn - dk gy, firm, slty, micro-mic, occ pyr, calc.

Thin strgs **Slst:** yel gy - m gy, mod hd, lam, micro-mic, occ carb, occ sl dol, sl calc, and



Tr **Sst:** lt - m dk gy, vf, fri, subang - subrnd, mica, v arg, dol, sl carb, no vis por.

Strgs **Lst/Dol:** yel brn, hd, brit, blky - plty, arg, crypto - xln.

1946 - 2142 m

Sh: dusky yel brn, bcmg brn blk - blk, mod hd, subfis - blky, occ fis, slty, occ v slty grdg **Slst,** micro-mic, carb - v carb, occ dol, non - sl calc, **occ tr yel wh cut, no flu.**

Thin strgs of **Lst:** pale - dk yel brn, mod hd, arg, dol, micro-xln.

Rr strgs of **Coal:** blk, hd, brit, vit.

Tr **Pyr.**

2142 - 2157,5 m

Sh: brn blk, firm, subfis, micro-mic, carb, calc - Tr **bl wh flu cut.**

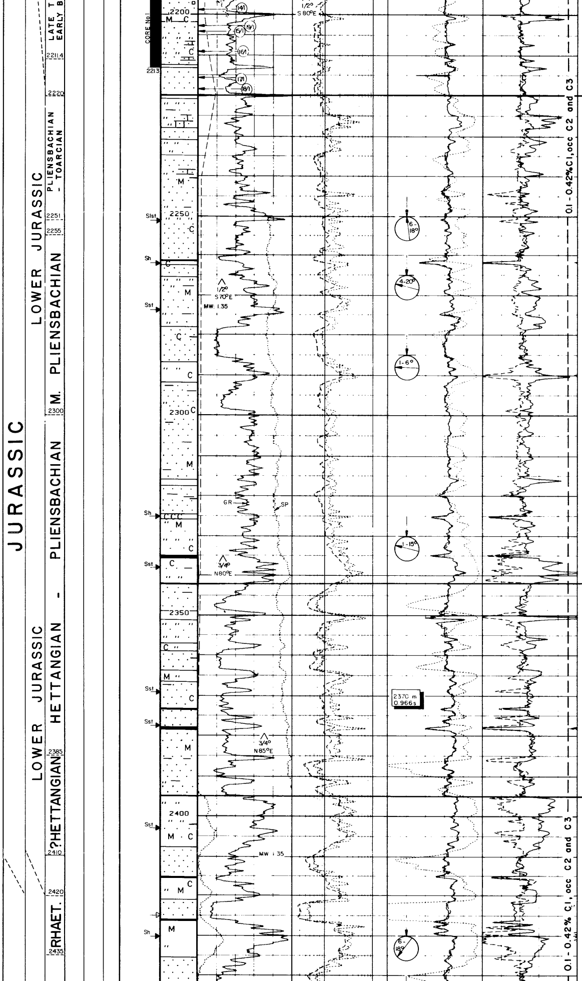
Strgs **Lst:** yel brn - pink gy, mod hd, fri, arg, micro-xln.

2157,5 - 2220 m

Sst: lt gy - brn gy, yel brn, clr - milky Qtz, vf - f, fri - mod hd, subrnd, pred arg mtx and cmt, occ sl calc, bcmg silic cmtd, occ mic, tr coal, tr pyr, tr glau, well srtd, fair - pr vis por. Down to 2182 m tr **dull yel flu, weak, slow strmg dull yel wh cut.**

Occ thin strgs **Sh:** gy blk - blk, mod hd - hd, subfis, mic, lam w/Sst a/a and

Slst: m gy, hd, occ micro-pyr, tr coal frags, occ grdg **Sh.**



FOR DETAILS ON CORE SEE CORE DESCRIPTION BELOW

2220 - 2342 m

Sst: lt gy - olv gy, occ wh, clr Qtz, pred f - vf, occ m - crs, fri - mod hd, subang - subrnd, wh arg mtx, pred silic cmtd, occ calc cmtd, mic, occ carb, pred well srtd, pr vis por, no shows.

Thin bds of **Sh:** brn blk - brn gy, firm - mod hd, subfis, slty, occ sdy lam, micro-mic, carb, occ v carb grdg **Coal,** non calc.

Thin strgs of **Coal:** blk, mod hd, blky, vit.

Tr **Pyr, rr wood frags**

2342 - 2395 m

Sst: v lt - olv gy, clr Qtz, m, occ crs, bcmg f - vf, fri - mod hd, pred subrnd, wh arg mtx, occ mic, occ carb, well srtd, pr vis por.

Strgs of **Sh:** gy blk - brn blk, firm - mod hd, subfis - blky, sl slty, sl micro-mic, carb, occ v carb grdg **Coal,** non calc.

Strgs of **Coal:** a/a.

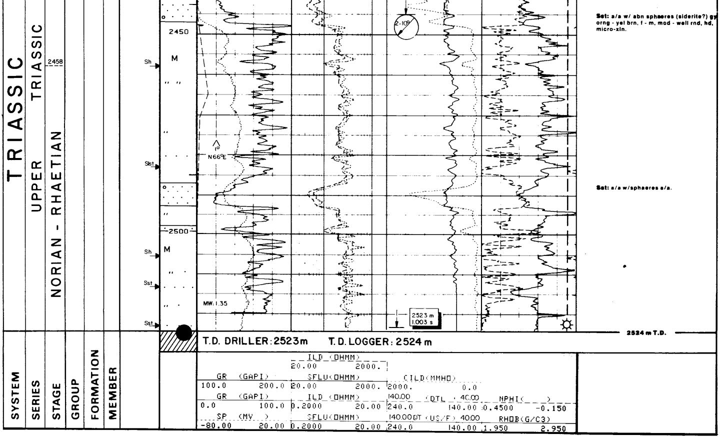
2395 - 2524 m

Sh: brn gy - gy blk, yel brn, tr red brn, firm - mod hd, subfis - blky, micro-mic, occ carb, occ slty, non calc.

Intbds of **Sst:** lt gy - pale yel brn, f - vf, occ m - crs, fri - mod hd, subrnd - subang, arg ~~mix~~, occ mic, carb strks, well - mod srtd, no - pr vis por.

Occ **Slst:** brn gy - m gy, mod hd, subfis, carb, micro-mic, occ sdy, non calc.

Strgs **Coal:** a/a.

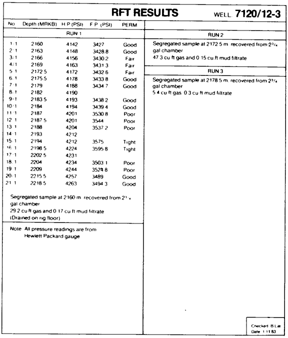


Sst: a/a w/ abn sphaeres (siderite?) gy orng - yel brn, f - m, mod - well rnd, hd, micro-xln.

Sst: a/a w/sphaeres a/a.

T.D. DRILLER: 2523m   T.D. LOGGER: 2524 m

RFT RESULTS, CORE DESCRIPTION



RFT RESULTS

WELL **7120/12-3**

No	Depth (MRKB)	H P (PSI)	F P (PSI)	PERM
		RUN 1		
1·1	2160	4142	3427	Good
2·1	2163	4148	3428.8	Good
3/1	2166	4156	3430.2	Fair
4/1	2169	4163	3431 3	Fair
5 1	2172 5	4172	3432 6	Fair
6. 1	2175.5	4178	3433 8	Good
7·1	2179	4188	3434 7	Good
8. 1	2182	4190		
9·1	2183 5	4193	3438 2	Good
10·1	2184	4194	3439 4	Good
11·1	2187	4201	3530 8	Poor
12 1	2187 5	4201	3544	Poor
13 1	2188	4204	3537 2	Poor
14·1	2193	4212		
15. 1	2194	4212	3575	Tight
16 1	2198 5	4224	3595 8	Tight
17·1	2202 5	4231		
18. 1	2204	4234	3503 1	Poor
19 1	2209	4244	3524 8	Poor
20·1	2215 5	4257	3489	Good
21 1	2218 5	4263	3494 3	Good

Segregated sample at 2160 m recovered from 2¾ gal chamber
29 2 cu ft gas and 0 17 cu ft mud filtrate
(Drained on rig floor)

Note All pressure readings are from
Hewlett Packard gauge

RUN 2

Segregated sample at 2172 5 m recovered from 2¾ gal chamber
47 3 cu ft gas and 0 15 cu ft mud filtrate

RUN 3

Segregated sample at 2178 5 m recovered from 2¾ gal chamber
5 4 cu ft gas 0 3 cu ft mud filtrate

Checked B Lie
Date 1 11 83

Norsk Hydro

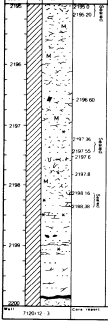
Well no		Core no s
7120/12-3	Core report	1

Norsk Hydro

Well no		Core no s
7120/12-3	Core report	1

Interval	Area	Cut	Date
2195 - 2200 m	Troms I	2195 - 2213 m	April 21 1983
Scale	**Well R.K.B.**	**Recovery**	**Geologist**
1 25	23m	2195 - 2213 m (100%)	Edvardsen/Ree

Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows


2195
2196
2197
2198
2199
2200
M
2195 0
2195 20
Sealed
2196 60
2197 36
2197 55
Sealed
2197 6
2197.8
2198 16
2198,38
Sealed

Sst: m lt gy. clr - mlky Qtz. f. hd. subrnd. silic cmt mic tr coal. pyr loc sucrosic well srtd. no vis por w discontinuous arg lam mic carb(?) lam/flecks part bioturbated

No shows

Sst: a/a. pred vf rr tr glau

Abn irr dk gy arg/carb(?) threads. flecks and lam highly bioturbated

Sst: a/a but w patchy dol cmt and streaks of
Dol: pale yel brn v hd blky microxln abn glau tr mic slty - v f sdy

Wood frags

Sst: a/a. v glau

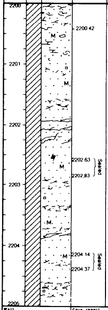
Sh: gy blk - blk. mod hd - hd subfis v mic irregular lam/flecks of **Sst.** a/a

Wood frags. in parts sl pyritized. loc coaly

Well	Core report	Core no s
7120/12 - 3	1 of 4	1

Interval	Area	Cut	Date
2200 - 2205 m	Troms I	2195 - 2213 m	April 21. 1983
Scale	**Well R.K.B.**	**Recovery**	**Geologist**
1 25	23 m	2195 - 2213 m (100%)	Edvardsen/Ree

Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows


2200
2201
2202
2203
2204
2205
M
2200 42
2202.63
2202,83
Sealed
2204 14
2204 37
Sealed

Loc load casts

Vugs after wood frags(?)

Sst: m lt gy, clr mlky Qtz, vf - f, hd, fri, subrnd, silic cmt, mic, tr coal, pyr, tr patchy dol cmt, in parts abn dk gy arg/carb (?) threads, flecks and lam, pos bioturbated (?)

Sst: a/a. in parts w/irr discontinuous arg lam, mic. carb(?) lam/flecks, pos bioturbated. loc sh clasts

Burrows in parts pyritized

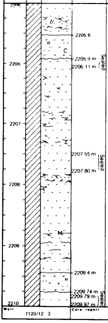
Well	Core report	Core no s
7120/12 - 3	2 of 4	1

Norsk Hydro

Well no		Core no s
7120/12-3	Core report	**1**

Interval	Area	Cut	Date
2205 - 2210 m	Troms I	2195 - 2213 m	April 21 1983
Scale	**Well R.K.B.**	**Recovery**	**Geologist**
1 25	23m	2195 - 2213 m (100%)	Edvardsen/Ree

Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows


2205
2206
2207
2208
2209
2210
C
M
2205 6
2205 9 m
2206 11 m
Sealed
2207 55 m
2207 80 m
Sealed
2209 4 m
2209 74 m
2209 79 m
2209 97 m
Sealed

Sst: a/a in parts bioturbated

No shows

Sltst: m gy v hd loc v micropyr tr coal frags calc filled cracks sdy in parts grading to v f **Sst.**

Sst: a/a w occ dol filled cracks

Sst: a/a w occ irr dk gy arg lam/mic threads flecks and lam

Sltst: a/a. loc sdy grdg to vf **Sst.**

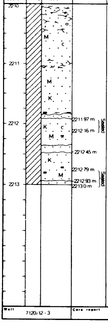
Well	Core report	Core no s
7120/12 3	3 of 4	1

Norsk Hydro

Well no		Core no s
7120/12-3	Core report	**1**

Interval	Area	Cut	Date
2210 - 2213 m	Troms I	2195 - 2213 m	April 21 1983
Scale	**Well R.K.B.**	**Recovery**	**Geologist**
1 25	23 m	2195 - 2213 m (100%)	Edvardsen/Ree

Depth scale	Re-covery	Lithological column	Depths	Lithological descriptions	Shows


2210
2211
2212
2213
M
C
K
2211 97 m
2212 16 m
Sealed
2212 45 m
2212 79 m
2212 93 m
2213 0 m
Sealed

Sst: m lt gy clr - mlky Qtz vf - f. hd. fri. subrnd silic cmt mic pyr. well srtd. no vis por in parts abn dk gy arg/carb(?). mic threads. flecks and lam pos bioturbated

No shows.

Sst: m lt gy - m gy vf loc grdg **Sltst**, hd - v hd fri. subrnd - loc subang. silic cmt. loc abn kaolin mtx mic tr pyr. well srtd. no vis por

Wood frags. in parts coaly loc pyritized

Sst: lt gy. m. mod hd - hd. subrnd. silic cmt loc wh (kaolin?) mtx tr glau mic. rr tr coal well srtd

Sst: m lt gy - m gy a/a but not wh mtx

Sst: lt gy w/wh mtx a/a

Well	Core report	Core no s
7120/12 - 3	4 of 4	1