

ELF NORGE A/S  
Exploration Department  
311D/JCP/sb

FINAL GEOLOGICAL REPORT

25/2-4

Stavanger, October /75

1. PERTINENT DATA

1.1 General Data

Licence: 026 (Petronord)  
Operator: Elf Norge A/S  
Rig: Neptune 7  
Contractors: Forex Neptune  
Mud logging: Geoservices  
Location: Geographic: 02° 22' 58.88" E  
59° 58' 44.09" N  
Seismic:  
Water depth: - 113 m  
RKB: + 24 m

1.2 Drilling and Operation Time Table

14.05.75	Spudded
14.05.75	Start drilling
15.05.75	30" casing set at 195 m
16./19.05.75	26" drilling down to 733 m
27.05.75	20" casing set at 723 m
28.05./02.07.75	17" 1/2 drilling down to 2870 m
03./04.07.75	SPE run: IES, BHC GR, FDC, HDT, SWC 1
07.07.75	13" 3/8 casing set at 2860 m
10./25.07.75	12" 1/4 drilling down to 3374 m
01./02.08.75	SPE drun: IES, BHC GR, HDT, ML MLL, CBL, SWC 2
03.08.75	9" 5/8 casing set at 3353 m
05./12.08.75	8" 1/2 drilling down to 3650 m
12./15.08.75	Cut cores K1, K2, K3 down to 3695 m
15.08.75	8" 1/2 drilling down to 3735 m
16.08.75	SPE run: IES, BHC GR, FDC CNL
17./18.08.75	8" 1/2 drilling down to 3817 m

18./20.08.75	Cut cores K4, K5, K6 down to 3863 m
21.08.75	8" 1/2 drilling down to 3915 m
22./25.08.75	SPE run: IES, BHC GR, FDC CNL, ML MLL, CBL, DLL, HDT F.I.T. 1, 2, 3, 4, 5
26./31.08.75	8" 1/2 drilling down to 4260 m
02./05.09.75	SPE run: IES, BHC GR, HDT, CBL, SWC 3, 4, 5
08.09.75	7" liner set at 4259 m
16./18.09.75	5" 28/32 drilling down to 4360 m
19./24.09.75	SPE run: IES, BHC GR, HDT, Seismic survey SWC 6 F.I.T. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
09./13.10.75	Test No. 1
20.10.75	Plugged and abandoned

### 1.3 Status

Oil and gas in Jurassic sandstones.  
Plugged and abandoned.

## 2. GEOLOGICAL DATA AND RESULTS

### 2.1 Objectives

This well was located on the north west part of 25/2 block.

The main objective was the Jurassic sandstones.

At the Kimmerian horizon, the structure consists of a north south regularly shaped anticline.

Expected trap should be a structural truncation type.

### 2.2 Stratigraphical and Structural Results

#### 2.2.1 Stratigraphical Data

See following table and Composite log.

STRATIGRAPHICAL UNIT	TOP RKB (m)	TOP MSL (m)	THICKNESS (m)
	137	- 113	
Pleistocene to Miocene			888
	1025	-1001	
Oligocene			460
	1485	-1461	
Middle - Upper Eocene			527
	2012	-1988	
Lower Eocene			49
	2061	-2037	
Paleocene to Danian			529
	2590	-2566	
Danian			27
	<i>Cr</i> 2617	-2593	
Maestrichtian			285
	2902	-2878	
Campanian			148
	3050	-3026	
Senonian			321
	3371	-3347	
Turonian			261
	3632 <i>Me</i>	-3608	
Kimmeridgian			7,5
	3639,5	-3615,5	
Callovian			68,5
	3708 <i>B</i>	-3684	
Dogger			169
	3877 <i>D</i>	-3853	
Lias		<i>S</i> 4077	384
	4261 <i>T</i>	-4237	
Trias			99

T.D.

4360 m

-4336 m

2.2.2 Structural Results

STRATIGRAPHICAL UNITS	Prognosis (MSL)	Top (MSL)	Z (m)
Gumbo clays - Top Oligocene	800	1001	- 201
Eocene	1465	1461	+ 4
Lower Eocene sand	2000	<u>1988</u>	+ 12
Paleocene - Tuff marker	2150	<u>2153</u>	- 3
Maestrichtian chalk	2610	<u>2593</u>	+ 17
Limy Turonian marker	3390	3347	+ 53
Kimmerian shale	3500 then 3580	3608	- 108, - 28
Triassic ?	around 4000	4237	

2.3 Reservoirs

2.3.1 Eocene Sands

2040 - 2061 m

Alternates of shale and sand: fine to very fine, subrounded, loose, with argillaceous - calcareous cement.

Gross thickness: 21 m

Net thickness: 6 m

2.3.2 Paleocene Sands

1) 2099 - 2177 m

Sand: fine to very fine, subrounded with shale interbeds.

Gross thickness: 78 m

Net thickness: 55 m

2) 2204 - 2348 m

Sand: medium to coarse, rounded, bad sorted, with rare shale interbeds and sandstone stringers.

Gross thickness: 144 m  
Net thickness: 75 m  
Average porosity: 30%

2.3.3 Danian Sands

2590 - 2617 m

Sand, fine to very fine, subangular, locally calcareous cemented.

Gross thickness: 27 m  
Net thickness: 18 m  
Average porosity: 25%

2.3.4 Upper Cretaceous Limestones

Several limestone intercalations can be considered as reservoirs:

2796 - 2797 m: porosity: 16%  
2800 - 2827 m: porosity: 10% (compact and chalky)  
2902 - 2913 m: porosity: 15%  
2923 - 2924 m: porosity: 14%

2.3.5 Jurassic Sandstones

1) Upper Reservoir - 3639 - 3877 m

Sandstone, fine to very fine, subangular, moderate sorted, very micaceous with some interbeds of limestone, coal and shale.

Gross thickness: 238 m  
Net thickness: 177 m  
Average porosity: 25 %

2) Lower Reservoir - 4084 - 4261 m

Sand, medium to coarse, angular, well sorted, locally calcareous cemented, with intercalations of shale and limestone stringers.

Gross thickness: 177 m  
Net thickness: 108 m  
Average sonic porosity: 22/25%

2.4 Shows

Down to 2750 there is no significant show except on a few limestone intercalations; Under the maestrichtian chalk into the Cretaceous section:

Gas ground increased in connection with the undercompacted shales.

Shows were seen in front of limestone intercalations.

Shows and cut fluorescences were encountered into the Jurassic sandstones.

Direct fluorescence was observed in cores down to 3676 m.

2.5 Fluids

1) Eocene sands, Paleocene sands, Danian sands

These reservoirs are water bearing. The respective salinities are: 68 gr/l, 80 gr/l, 47 gr/l.



2) Upper Cretaceous Limestones

2796 - 2827 m

The first level (2796 - 2797 m) is hydrocarbon bearing.

Net pay: 1 m

The other levels are hydrocarbon bearing, but their net pay is negligible.

2902 - 2913 m

This level contains hydrocarbon with a water saturation of 35% to 65%. One production test (DST 1) has been carried out from 2902 - 2911 m, with acidification. 3.2 m<sup>3</sup> of mud and gas were recuperated.

2923 - 2924 m

This level is hydrocarbon bearing with a water saturation of 54%. One FIT (No. 15) has been carried out to get a static pressure at 3374 m; but the read pressure is not representative of the formation.

3) Jurassic Sandstones

Upper reservoir (3639,5 - 3877 m)

The top of this formation is hydrocarbon bearing down to 3708,5 m.

Gross pay: 59 m (69)  
Net pay: 40 m  
Ws: 10 to 30% ↗ 10 to 30%  
Salinity: 63‰<sup>?</sup>

In order to confirm the existence of two phases, gas and oil, and the depth of gas/oil contact, 15 FITs have been carried out.

G.O.C.: 3660.0 m  
W.O.C.: 3708.5 m

Down to 3877 m the reservoir is water bearing.

Lower reservoir (4084 - 4261 m)

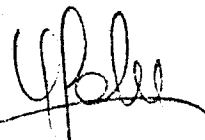
This reservoir is water bearing.

One FIT has been carried out to get a static pressure.

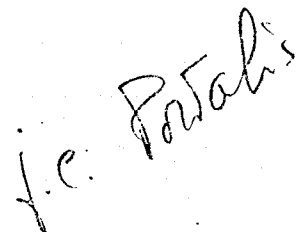
FIT 17: 4116 m    FP: 10748    PSI; 755 kg/cm<sup>2</sup>

CONCLUSION

The total depth of 4360 m has been reached into Triassic horizons.  
The well is considered as an oil and gas discovery into Jurassic sandstones.



Chief Geologist  
Y. GALY



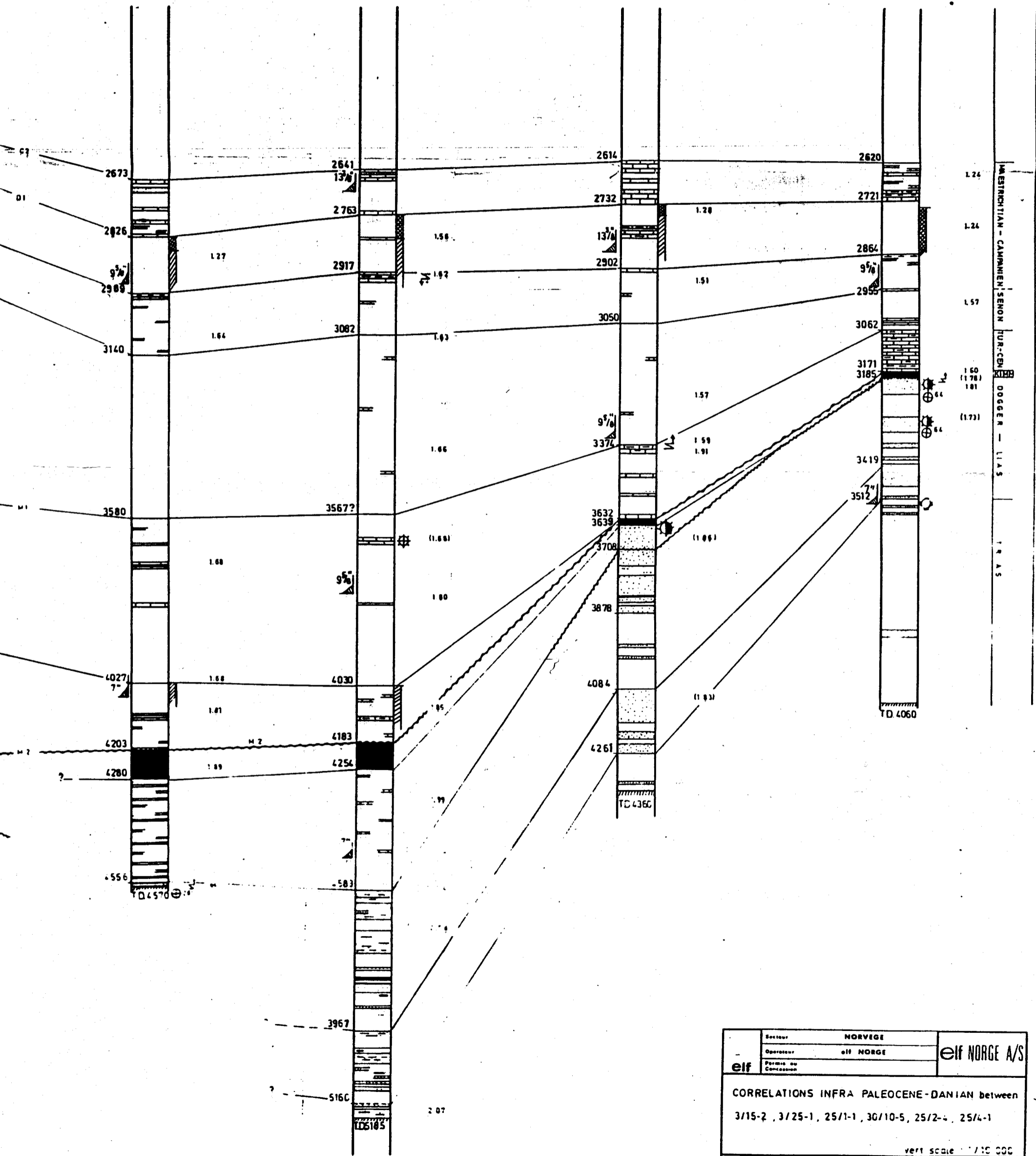
The Author  
J.C. PORTALIS

25/1-1

30/10-5

25/2-4

25/4-1



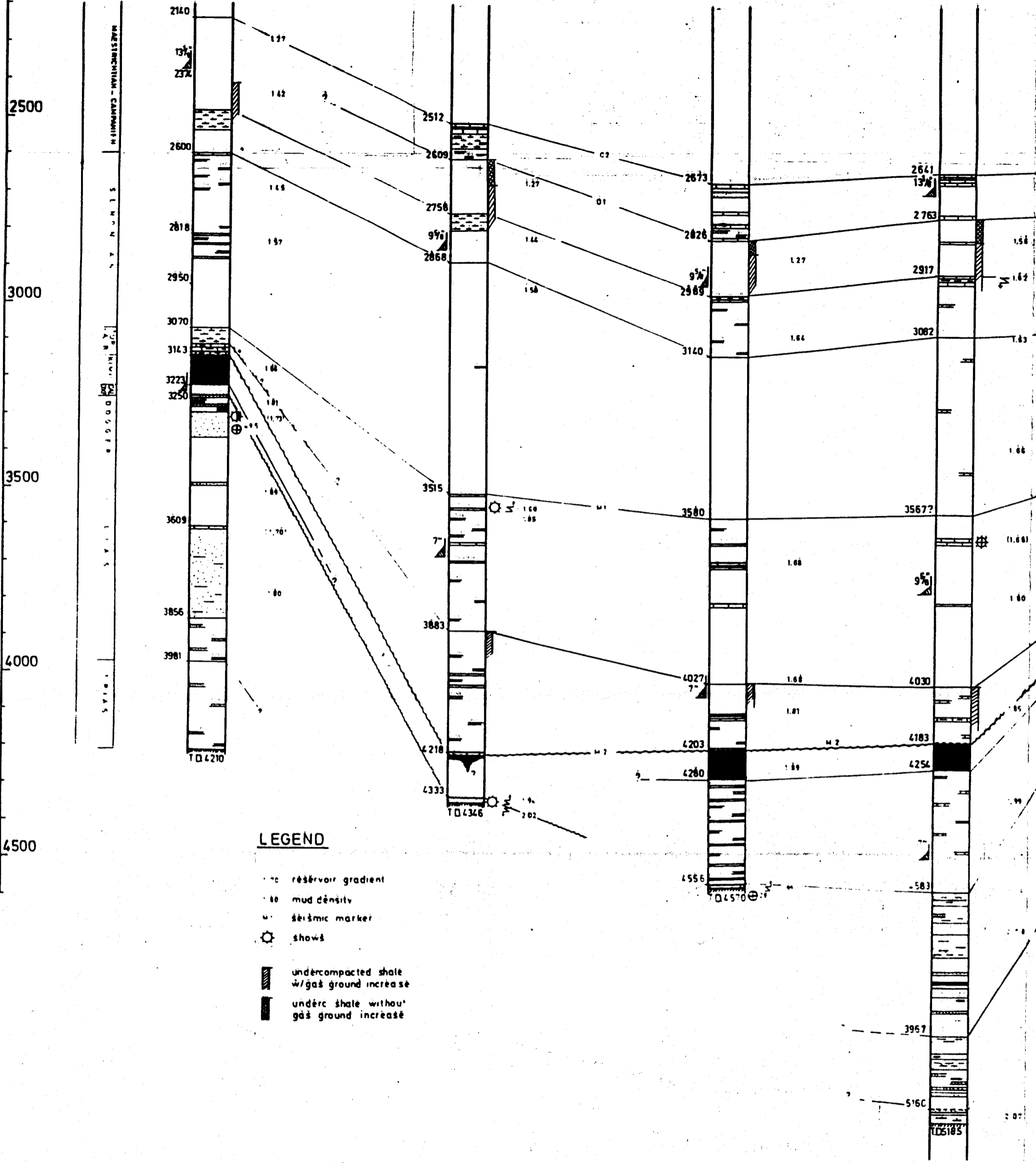
elf	Secteur	NORVEGE	elf NORGE A/S
	Operateur	elf NORGE	
CORRELATIONS INFRA PALEOCENE-DANIAN between 3/15-2, 3/25-1, 25/1-1, 30/10-5, 25/2-4, 25/4-1			
			vert scale 1/10 000
OF NORGE			Date OCT 75
			Auteur Y GALY
			N°classé

3/15-2

3/25-1

25/1-1

30/10-5



**LEGEND**

- - - reservoir gradient
- mud density
- ~ seismic marker
- ⊗ shows
- ▨ undercompacted shale w/ gas ground increase
- underc shale without gas ground increase

# CORE DESCRIPTION

CUT: 9m  
 RECOVERED: 9m  
 LOSS:       

COMPANY: Elf Norge  
 WELL NO: 2572-4  
 CORE NO: 1

DATE: 13.08.75  
 DEPTHS: 3650 - 3659

DEPTHS	% C <sub>2</sub> H <sub>6</sub>	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3651							
3652							
3653							
3654							
3655			20 - 25 %				
3656							
3657							
3658							
3659							

SOME BUBBLES OF GAS ON SOME PARTS. PALE YELL. TO PALE GREEN DIR.FLUO; GOOD YELL. TO ORANGE CUT FLUO.

SDST.: V. FN. TO FN. SUBANG., MODER. SORTED, HOMOGENEOUS, ABUNDANT MICA (MUSCOV., RARE BIOTITE), CMT. MAINLY SILICO-ARGIL., RARE SLIGHTLY CALC. CORE BODY IS HYDROC. SATURATED (GAS) WITH STRONG ODOR OF LIGHT HYDROC.



# CORE DESCRIPTION

CUT: 18 m  
 RECOVERED: 17.4 m  
 LOSS: 0.6 m

96.6 %

COMPANY: Elf Norge  
 WELL N°: 25/2-4  
 CORE N°: 2

DATE: 14.08.75  
 DEPTHS: 3659 - 3677

DEPTHS	% Co <sub>3</sub> Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3669							
							SDST. 1)
3670			25 %				
3671			20 %				
3672							SOME SH. INCLUS., L. BRN., HD., NON CALC.
3673			≈ 15 %				
							SDST. 2)
3674							
							SDST. 1)
3675							
							SDST. 2)
3676							
							SDST. 1)
3677						X	

# CORE DESCRIPTION

 CUT: 18 m

 COMPANY: Elf Norge

 DATE: 15. 08. 75

 RECOVERED: 18 m      100 %

 WELL N°: 25/2-4

 DEPTHS: 3677 - 3695

 LOSS:       

 CORE N°: 3

DEPTHS	% Co <sub>3</sub> Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3678			~ 15 %	MOD. TO STRONG H.C. ODOR			2) SDST.: V. FN./SLTST., HD., V. ABUND. MICA., CMT ARG. - CALC. SOME INCLUS. OF BLACK ORG. MATER. (COAL, LIGN.).
3679			20 - 25 %				1) SDST.: V. FN. TO FN., MOD. SORT., MICA ABUND., CMT. MAINLY ARG., LOC. SLIGHTLY CALC.
3680							THIN SH. LAYER LT.-BRN., HD., HOMOGEN., NON CALC, W/MICRO-FAULT.
3681							
3682			15 - 20 %				
3683							
3684							
3685			20 - 25 %				INCLUS. AND NODULES OF SH. A/A
3686							



# CORE DESCRIPTION

CUT: 18 m  
 RECOVERED: 18 m      100 %  
 LOSS:       

COMPANY: Elf Norge  
 WELL N°: 25/2-4  
 CORE N°: 3

DATE: 15.08.75  
 DEPTHS: 3677-3695

DEPTHS	% Co <sub>2</sub> Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3687						v l v l v v	
3688						v l v l v v	<u>SDST.</u> 2)
3689						v l v l v v	<u>SDST.</u> 1)
3690						v l v l v v	
3691			20 - 25 %			v l v l v v	<u>SH.</u> A/A AND LIGN. INCLUS.
3692						v l v l v v	<u>SDST.</u> 1)
3693						v l v l v v	
3694						v l v l v v	
3695						v l v l v v	

NO DIR. FLUO. SALT WATER TASTE AT BOTTOM; CUT FLUO. AND MOD ODOR; SOME GAS BUBBLES.

# CORE DESCRIPTION

CUT: 18 m  
 RECOVERED: 16,75 m  
 LOSS: 1,25 m

93 %

COMPANY: Elf Norge  
 WELL N°: 25/2-4  
 CORE N°: 4

DATE: 19.08.75  
 DEPTHS: 3817-3835

DEPTHS	Co Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3818			5 - 10	GAS BUBBLES W/ HISsing PALE. YELL CUT FLUO. WEAK H.C. ODOR	≈ 20		SDST.: V. FN./SILTST. V. ABUND. MICA (MICRO TO CRS. FLAKES), CMT. ARG., LOC. SLIGHTLY CALC., SOME SH. INTERC. V. SILTY, NON CALC.
3819							
3820							
3821					≈ 30		SDST.: STRING. A/A
3822				GAS BUBBLES			COAL
3823			5 - 10	GAS BUBBLES PALE YELL CUT FLUO.			SDST./SILTS.: A/A W/ BLACK SH. LAMINAE, V. SILTY, COMP., NON CALC.
3824							
3825							
3826				GAS BUBBLES.			

# CORE DESCRIPTION

CUT: 18m  
 RECOVERED: 16,75m  
 LOSS: 1,25m

93 %

COMPANY: ELF NORGE  
 WELL N°: 25/2-4  
 CORE N°: 4

DATE: 19.08.75  
 DEPTHS: 3817-3835m

DEPTHS	% Co <sub>2</sub> Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3827							
3828							
3829			5 - 10 %	YELL. CUT FLUO NUMEROUS BUBBLES	≈ 25		ALTERNATION <u>SDST./SILTST.</u> : A/A W/ SH., BLACK V. SILTY, COMP., NON CALC., MOD. HYDROC. ODOR
3830							
3831			10 - 15 %	YELL. CUT FLUO, SOME ORANGE DIR. FLUO. IN FISSURES, BUBBLES OF GAS WHISSING. STRONG HC. ODOR.			<u>SDST.</u> : V. FN., CMT. ARG.-CALC. W/ SOME BLACK SH. INCL. AT TOP
3832							
3833			25 - 30 %				<u>SDST.</u> : DK. (DUE TO H.C.) CRS. TO V. CRS., LOC. MED., MAINLY SUBANG. TO ANG., LOC. SUBRND., MOD. SORT.
3834						X	
3835						X	

# CORE DESCRIPTION

CUT: 17m  
 RECOVERED: 10m  
 LOSS: 7m

60 %

COMPANY: ELF NORGE  
 WELL N°: 25/2-4  
 CORE N°: 5

DATE: 20.08.75  
 DEPTHS: 3835 - 3852m

DEPTHS	% Co <sub>2</sub> Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3836							
3837							
3838							SDST. DK., MED. TO CRS., SOME V. CRS. GRAINS, SUBANG. TO ANG., MOD. SORT., CMT. ARG.
3839			25 - 30 %				SDST. STRINGERS FN., ABUND. MICA, MORE CONSOL. CMT. ARG. SOME PIECES OF CONGLOMER. - BRECCIA (SILEX, QUARTZ, AND COMP. SH.)
3840							
3841							
3842							
3843			15 - 20 %				SDST. FN. TO MED., SUBANG. TO SUBRND., CMT. ARG.-CALC.
3844							

MOD. TO V. STRONG (AT TOP) H.C. ODOR; PALE YELL. TO YELL. CUT FLUO; GOOD YELL. DIR. FLUO FROM SOME POINTS (TOP) BUBBLES OF GAS EVERYWHERE

# CORE DESCRIPTION

CUT: 17m

COMPANY: ELF NORGE

DATE: 20.08.75

RECOVERED: 10m

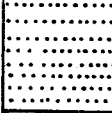


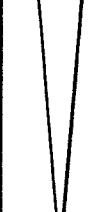

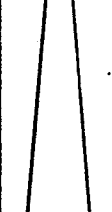


60 %

WELL N°: 25/2-4

DEPTHS: 3835-3852m

LOSS: 7m

CORE N°: 5

DEPTHS	% Co <sub>2</sub> Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3845							
3846							
3847							
3848							
3849							
3850							
3851							
3852							

# CORE DESCRIPTION

CUT: 11m

COMPANY: Elf Norge

DATE: 20.08.75

RECOVERED: 11m      100 %

WELL N°: 25/2-4

DEPTHS: 3852-3863

LOSS:       

CORE N°: 6

DEPTHS	% CO <sub>2</sub> CO	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3853							SDST.: DK. MED. TO CRS. LOC. V. CRS., SUBANG. TO SUBRND., SOME RND., ARG. CMT.
3854			30 %				
3855			25				SH. LT.-GY. SLTY., HD., NON CALC. W/ SOME LAMINAE SLTST.
3856							
3857							
3858							SLTST./SDST.: V. FN., LT.-GY., COMP., PARTLY MICMIC., V. ARG., LOC. CALC.
3859			15 %				
3860							ZONE OF TURBULAT., VISIBLE MICROFAULT
3861							

GAS BUBBLES, MOD. TO STRONG HC. ODOR THROUGHOUT THE CORE BODY; CUT PALE YELL. TO YELL. FLUO. EVERYWHERE, YELL. DIR. FLUO. FROM  
BROKEN SURFACES AT INTERVAL, 3857.15 - 3861.30 AND AT POINTS OF BLEEDING.


# CORE DESCRIPTION

CUT: 11 m  
 RECOVERED: 11 m  
 LOSS:       

100 %

COMPANY: Elf Norge  
 WELL N°: 25/2-4  
 CORE N°: 6

DATE: 20.08.75  
 DEPTHS: 3852-3863

DEPTHS	% CaCO <sub>3</sub>	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
3862							SH. DK.-GY., BROWNISH, HD., HOMOGEN., PARTLY FRIABLE, NON CALC.
3863							

		SERVICE COMPANY: SPE	
		ASKED:	30
		RECOVERED:	30
		SHOT :	30
		LOST :	0
		FULL BULLET :	30
<b>SIDE WALL CORES DESCRIPTION</b>			
WELL :	25/2-4	RUN N° :	1
LICENCE :	026	PAGE N°:	1
		DATE :	04.07.75

tr : trace - M : medium - G : good

N°	DEPTHS	REC cm	L I T H O L O G Y	Fluorescence		
						CUT
1	2850	3	shale: grey to dark grey, calcareous, medium hard, sticky			
2	2785	3	shale a/a			
3	2740	3	shale: grey to light grey greenish, soft, sticky. very calcareous			
4	2602	2	sandstone: white grey, very fine to fine, subrounded, subangular, loose, locally calcareous cement			
5	2598	2	sandstone: a/a with rare grey, rounded fine spots of shale			
6	2592	2	sandstone: a/a with some small nodules of shale a/a			
7	2500	3,5	shale: dark grey, compact, slightly fissile, micromicaceous, non calcareous			
8	2400	4,5	shale: grey beige, medium hard, very slightly calcareous, sandy, fine to medium rounded grains, micromicaceous, micropyrritic, black organic matter			
9	2355	3,5	shale: grey, medium hard, to indurated, non calcareous			
10	2330	3	shale: brown grey, medium hard, calcareous			
11	2240	4,5	shale a/a			
12	2188	4,5	sandstone: white grey, fine subrounded grains, loose, rare argillaceous cement, locally nodules of very soft light green shale			
13	2105	3,5	sandstone: white grey, very fine to fine, subrounded, rare medium grains, loose, rare argillaceous cement			
14	2090	5	shale: red brown, med. hard to soft, non calcareous			
15	2064	4,5	shale: apple green, medium hard to soft, dolomitic, soapy, with spots and zone of red brown shale, non calcareous			
16	2052	2,5	sandstone: very fine, white grey, subrounded grains, loose, locally argillaceous cement, glauconitic. direct fluo bright			
			white blue, cut milkish white strong			



		SERVICE COMPANY: SPE	
		ASKED:	30
		RECOVERED:	30
		SHOT :	30
		LOST :	0
		FULL BULLET :	30
<b>SIDE WALL CORES DESCRIPTION.</b>			
WELL :	25/2-4	RUN N° :	1
LICENCE :	026	PAGE N° :	2
		DATE :	04.07.75

tr : trace - M : medium - G : good

N°	DEPTHS	REC cm	L I T H O L O G Y	Fluorescence	
					CUT
17	2048	4	shale: dark grey brown, med. indurated, non calcareous, with layers of sandstone a/a (fluo a/a) and layers of sandstone; very fine calcareo-siliceous, very hard, brown, tr. of bitumen		
18	2041	1	sandstone: very fine, greyish white, medium hard, argillo-siliceous cement locally abundant. fluo light blue, cut medium yellow		
19	2026	5	shale: grey, soft, non calcareous		
20	2010	5	shale: a/a, non calcareous		
21	1980	5	shale: a/a, non calcareous		
22	1950	5	shale: a/a, but very slightly calcareous		
23	1920	5	shale: a/a, not calcareous		
24	1875	5	shale: a/a, non calcareous		
25	1753	5	shale: dark grey, soft, non calcareous		
26	1490	5	shale: dark grey brown, soft, slightly micromicaceous, non calcareous		
27	1460	5	shale: dark brown, very soft, sticky, non calcareous		
28	1350	5	shale: dark brown to black, medium hard, very calcareous, micromicaceous		
29	1060	5	shale: brownish grey, calcareous, medium hard, silty, micromicaceous, with millimetric layers of siltstone; white, sub-angular, siliceous with cross bedding		
30	1030	5	shale: a/a very silty, sandy, rare siltstone a/a		

## SIDE WALL CORES DESCRIPTION

SERVICE COMPANY: SPE  
 ASKED: 30  
 RECOVERED: 19  
 SHOT : 28  
 LOST : 11  
 FULL BULLET : 14

WELL : 25/2-4      RUN N° : 3  
 LICENCE : 026      PAGE N°: 1  
 DATE : 05.09.75

tr : trace - M : medium - G : good

N°	DEPTHS	REC %	L I T H O L O G Y	Fluorescence	
					CUT
1	4255	10	sh: dk.-gy to black, homog. v. comp., non calc.		
2	4245	30	sltst: v. arg., loc. mic., poor consol., non calc.		
3	4239.5	30	sdst: med. to crs., subang., cmt. calc.		
4	4230	40	sh: lt.-gy. lt.-brn., silty, loc. slightly calc.		
5	4226	40	sh: a/a		
6	4223		m.f.		
7	4211,5	30	sdst: fn. to med., v. arg., partly mic. poor consol., non calc.		
8	4190		lost		
9	4178		empty		
10	4174	70	sh: dk.-gy., black, comp., v. homog., non calc.		
11	4151	30	sdst: fn. to med., subrnd., mic., non calc.		
12	4091		m.f.		
13	4075		lost		
14	4050	20	sh: lt.-gy., lt.-brn., comp., loc. silty, mainly non calc.		
15	4035		empty		
16	4025		lost		
17	4000		empty		
18	3997		lost		



		SERVICE COMPANY: SPE	
		ASKED: 30	
		RECOVERED: 13	
		SHOT : 30	
		LOST : 17	
		FULL BULLET : 13	
<b>SIDE WALL CORES DESCRIPTION.</b>			
WELL : 25/2-4	RUN N° : 4		
LICENCE : 026	PAGE N°: 1		
	DATE : 05.09.75		

tr : trace - M : medium - G : good

N°	DEPTHS	REC	L I T H O L O G Y	Fluorescence		
						CUT
1	4223	50	sh: gy., homog., loc. silty and calc.			
2	4190	60	sh: a/a			
3	4178		lost			
4	4091		lost			
5	4075		lost			
6	4035		lost			
7	4025	30	sh: gy., homog. loc. calc.			
8	4000	40	sdst: fn., med., subang., mic. v. calc.			
9	3991		lost			
10	3968		lost			
11	3950		lost			
12	3920		lost			
13	3880		lost			
14	3860		lost			
15	3846	100	sdst: med., ang. cmt. arg.-silic.			
16	3820		lost			
17	3808		lost			
18	3788		lost			

SIDE WALL CORES DESCRIPTION		SERVICE COMPANY: SPE
		ASKED: 30
WELL : 25/2-4		RECOVERED: 13
		SHOT : 30
LICENCE : 026		LOST : 17
		FULL BULLET : 13
RUN N° : 4		
PAGE N°: 2		
DATE : 05.09.75		

tr : trace - M : medium - G : good

N°	DEPTHS	REC	L I T H O L O G Y	Fluorescence	
					CUT
19	3733,5		lost		
20	3718		lost		
21	3711	60	sdst: fn. to med., ang., v. arg., loc. mic., hydroc. stain, mod. hydroc. odor		
22	3709		lost		
23	3706	100	sdst: a/a, w/strg. h.c. smell and lt. yell. dir. fluo		
24	3703	20	sdst: a/a, w/weak h.c. smell, no dir. fluo		
25	3698		lost		
26	3696	90	sdst: a/a, w/good yell. dir. fluo and strg. h.c. odor, cmt. calc.		
27	3649	100	sdst: a/a, w/mod. odor and good yell. dir. fluo		
28	3647,5	80	sd: loose dk. (h.c. stain) fn. to med., partly v. crs. (congl.), ang. to subang., good yell. dir. fluo and strg. odor		
29	3643	80	sdst: fn. to med., ang. v. arg., loc. mic., good yell. dir. fluo, and strg. h.c. smell		
30	3641	90	sdst: a/a, h.c. odor and yell. dir. fluo		

<b>SIDE WALL CORES DESCRIPTION</b>		SERVICE COMPANY: SPE	
		ASKED: 30	RECOVERED: 12
WELL : 25/2-4		SHOT : 30	LOST : 18
LICENCE : 026		FULL BULLET : 7	
RUN N° : 5			
PAGE N°: 1			
DATE : 05.09.75			

tr : trace - M : medium - G : good

N°	DEPTHS	REC	L I T H O L O G Y	Fluorescence	
					CUT
1	4257		lost		
2	4188		lost		
3	4180		lost		
4	4176	10	sd: v. fn., subang., mod. consol. sighty. calc. and arg.		
5	4070		lost		
6	4042		lost		
7	3982		lost		
8	3975		lost		
9	3955	75	sh: grnish.-gy., mod. indur. sdy., pyritaceous		
10	3926		lost		
11	3881		lost		
12	3863		lost		
13	3726	75	sd: v. fn. brn. v. silic. slghty. arg.		
14	3808		lost		
15	3738		lost		
16	3718		lost		
17	3709		lost		
18	3698		lost		



		SERVICE COMPANY: SPE	
		ASKED:	24
		RECOVERED:	24
		SHOT :	16
		LOST :	0
		FULL BULLET :	7
<b>SIDE WALL CORES DESCRIPTION</b>			
WELL :	25/2-4	RUN N° :	6
LICENCE :	026	PAGE N° :	1
		DATE :	20.09.75

tr : trace - M : medium - G : good

N°	DEPTHS	REC %	L I T H O L O G Y	Fluorescence	
				1	CUT
1	4358	30	silt/sdst: v.v. fine, v. calcareous, compact		
2	4357		empty		
3	4354		misfire		
4	4347,5		empty		
5	4343	100	shale: red, brown red, indurated, slightly micaceous, slightly calcareous, with nodules, laminations of shale, green		
6	4341		misfire		
7	4339		empty		
8	4335		empty		
9	4332		misfire		
10	4328	50	shale: as above		
11	4320		empty		
12	4316		misfire		
13	4312		empty		
14	4304		empty		
15	4300		misfire		
16	4295	50	shale: red, red brown, indurated, slightly micaceous		
17	4291		empty		
18	4283		misfire		







# POSITION MAP



WELL : 25/2-4

COUNTRY : NORWAY OFFSHORE

COORDINATES: X: 02° 23' 02,4"

Y: 59° 58' 44,2"

1/2500.000

