

ELF AQUITAINE NORGE A/S

PRELIMINARY REPORT

WELL : 3/7-2

CORE : 1 - 2 - 3 - 4

MAY 15th 1981

CORE No. 1

CORE No. 2

PLUG NO	DEPTH N. 0 %	ØAV. %	K(MD)	GRAIN DENSITY CALCULATED g/cc	GRAIN DENSITY MEASURED g/cc	RESIDUAL WATER SAT%	RESIDUAL HC-SAT %	F-FACTOR
3 H	2576.0	12.6	> 0.01	2.65				
3 V		11.4	> 0.01	2.63				
4 H	2577.0	12.0	> 0.01	2.73				
4 V		12.1	> 0.01	2.73				
5 H	2578.0	13.5	> 0.01	2.65				
5 V		10.7	> 0.01	2.65				
6 H	2579.0	18.2	> 0.01	2.65				
6 V		19.3	> 0.01	2.68				
7 H	2580.0	13.4	> 0.01	2.58				
7 V		14.9	> 0.01	2.61				
8 H	2581.0	18.6	> 0.01	2.71				
8 V		18.3	> 0.01	2.68				
9 H	2582.0	17.3	> 0.01	2.63				
9 V		17.7	> 0.01	2.64				
10 H	2583.0	23.6	0.05	2.71				
10 V		23.1	0.04	2.71				

CORE No. 3

CORE No. 4

PLUG NO	DEPTH N. Ø %	ØAV. %	K(mD)	GRAIN DENSITY CALCULATED g/cc	GRAIN DENSITY MEASURED g/cc	RESIDUAL WATER SAT%	RESIDUAL HC-SAT %	F-FACTOR
20 H	2911.40	3.9		2.62				
20 V		3.5	0.03	2.63				
21 H	2911.65	10.7	0.20	2.64				
21 V		8.7	0.08	2.65				
22 H	2911.75	9.5	0.09	2.65				
22 V		11.9	0.11	2.65				
23 H	2911.90	6.9	0.25	2.64				
23 V		7.6	0.03	2.64				
24 H	2912.40	15.4	9.80	2.64				
24 V		15.3	9.80	2.63				
25 H	2912.55	16.5	1.64	2.64				
25 V		15.2	0.51	2.63				
26 H	2912.70	16.4	9.73	2.62				
26 V		15.6	2.80	2.63				
27 H	2912.85	14.0	1.34	2.64				
27 V		13.4		2.64				

CORE 4

PLUG NO	DEPTH N. Ø %	ØAV. %	K(MD)	GRAIN DENSITY CALCULATED g/cc	GRAIN DENSITY MEASURED g/cc	RESIDUAL WATER SAT%	RESIDUAL HC-SAT %	F-FACTOR
28 H	2914.15	15.6	0.83	2.65				
28 V		16.1	0.77	2.65				
29 H	2914.35	6.3	1.45	2.65				
29 V		4.8	0.01	2.77				
30 H	2914.50	18.3	1.75	2.65				
30 V		14.5	1.68	2.64				
31 H	2914.60	18.6	6.19	2.64				
31 V		18.2	5.96	2.63				
32 H	2915.20	9.8	0.56	2.70				
32 V		10.0	0.42	2.69				
33H	2916.05	5.8	>0.01	3.32				
33 V		3.8	>0.01	3.43				
34 H	2916.20	8.0	0.02	2.98				
34 V		8.0	>0.01	3.03				
35 H	2916.45	8.3	6.02	2.66				
35 V		8.9	1.66	2.67				

CORE DESCRIPTION

CUT: 5.5m
 RECOVERED: 2m
 LOSS: 3.5m

COMPANY: E.A.N.
 WELL N°: 3/7-2
 CORE N°: 1

DATE: 01-05-81
 DEPTHS: 2570m-2575.5

DEPTHS	% Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
2570							
91		NO EVIDENT PERMEABILITY	VERY POOR POROSITY	NO DIRECT FLUID	45°	/ / / / /	ABUNDANT CALCITE FILLED FRACTURES
92	/ / / / /					CHALKY LIMESTONE, WHITISH TO TAN, MEDIUM HARD,	
2571						/ / / / /	WITH NUMEROUS SHALY PARTINGS, MEDIUM GREY TO
85						/ / / / /	GREENISH GREY (FLASER CHALK) TRACE OF PYRITE.
87						/ / / / /	
84							
2572							
97							INTERVAL : 2570.2 - 2570.7m A FEW MILLIMETRIC LAYERS OF DARK SHALE.

ARK 5832-12

CORE DESCRIPTION

CUT: 14.5m
 RECOVERED: 13.25m
 LOSS: 1.25m

91.4 %

COMPANY: E.A.N.
 WELL No: 3/7-2
 CORE No: 2 sheet 1

DATE: 01.05.81.
 DEPTHS: 2575.5-2590

DEPTHS	% Co Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
2576	89	NO EVIDENT PERMEABILITY	VERY POOR POROSITY	NO GAS SHOW WHILE CORING	A FEW FINE HORIZONTAL SHALY LEVELS		<p>LIMESTONE, WHITISH, CHALKY (MUDSTONE), SLIGHTLY ARGILACEOUS WITH A FEW MICRO JOINTS FILLED WITH CALCITE.</p> <p>NUMEROUS SHALY PARTINGS, GREENISH BLUE, LUSTREOUS ASPECT, GIVING LOCALLY A GREENISH COLOR TO THE LIMESTONE, "FLASER CHALK".</p> <p>PYRITE IN NODULES AND IN JOINTS.</p>
7577	63						
	81						
	72						
2578	83						
	78						
	86						
2579	66						
	68						
2580	83						
2581	82	NO DIRECT FLUO	NO DIRECT FLUO	NO DIRECT FLUO		<p>AT: 2582.1m</p> <p>THIN BRECCIATED ZONE, FRACTURES FILLED WITH CALCITE AND PYRITE (DIPS 30 to 45%)</p>	
	88						
2582	92						
	90						
	88	NO DIRECT FLUO	NO DIRECT FLUO	NO DIRECT FLUO		<p>BIOTURBATION IS FREQUENTLY MASKED BY COMPACTION/PRESSURE SOLUTION PHENOMENA.</p>	
2583	92						
2584							
	97						

CORE DESCRIPTION

CUT: 14.5m
 RECOVERED: 13.25m
 LOSS: 1.25m

91.4%

COMPANY: E.A.N.
 WELL N°: 3/7-2
 CORE N°: 2 sheet 2

DATE: 01.05.81
 DEPTHS: 2575.5-2590

DEPTHS	% Co ₃ Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION			
2585	87	NO EVIDENT PERMEABILITY	VERY POOR POROSITY	NO DIRECT FLUID	NO OBVIOUS DIPS					
2586	82						30°	CALCITE FILLED FRACTURES (Dipping 30%)		
2587	88									
2588	85									
2589	83									LIMSTONE CONCRETIONS, BIOTURBATION.
2590										

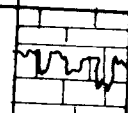
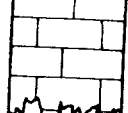
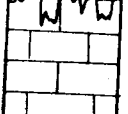
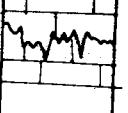
CORE DESCRIPTION

CUT: 18.5m
 RECOVERED: 2.8m
 LOSS: 15.7m

15 %

COMPANY: E.A.N.
 WELL N°: 3/7-2
 CORE N°: 3

DATE: 02-05-81.
 DEPTHS: 2602-2620.5m

DEPTH	% CO ₂	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
2602							LIMESTONE, lt gy to tan, mudstone, chalky, abundant stylolite with dark brnish cly residue, local burrows.
2603							
2604			POOR POROSITY	NO SHOWS	LOC MICROFRACTURES UP TO 70°		
2604.8							
2605						LOST 15.7 m of CORE 3	

CORE DESCRIPTION

CUT: 10m -----

COMPANY: E.A.N. -----

DATE: 09-05-81 -----

RECOVERED: 8m ----- 80 %

WELL N°: 3/7-2 -----

DEPTHS: 2911-2921m -----

LOSS: 2m -----

CORE N°: 4 -----

DEPTHS	% Co	PERM	POROS	SHOWS	DIPS	LOG	DESCRIPTION
2911	0						<p style="text-align: center;">ALTERNATING:</p> <p>SILTSTONE. Grey green W/inclusions of organic matter.</p> <p>SANDSTONE. White translucent, v fine to fine, micaceous, friable to poorly consolidated.</p> <p>SHALE. Light grey, silty, micaceous, w/slicken slides and fractures filled with shales.</p>
2912	0						
2913	0						
2914	0						
2915	0						
2916	0						
2917	0						
2918	0						
2919	0						
2920	0						

NO VISIBLE POROSITY

NO GAS - NO FLUO.

FROM 20° to 40°