

ID/OLJE
00160 *14.2.69
SAKSB:
ARKIV:

CONFIDENTIAL

725.3

WELL COMPLETION REPORT

PHILLIPS 7/11-1X

PRODUCTION LICENSE 018

WELL COMPLETION REPORT

PHILLIPS 7/11-1X

PRODUCTION LICENSE 018

C O N T E N T S

	P a g e
SUMMARY	1
DRILLING HISTORY	
Dates of Operations.....	1
Details of Operations.....	1
Mud Program.....	2
Logging Program.....	2
Drilling Problems.....	3
Coring.....	3
Testing.....	3
Plugging and Abandonment.....	4
GEOLOGY	
Geologic Objectives.....	5
Results	
-Stratigraphy.....	6
-Lithology.....	7
APPENDIX 1	
Core Analysis	
APPENDIX 2	
Sidewall Cores	

A T T A C H M E N T S

Schlumberger Logs
Geoservices Masterlog and Chromatolog
Robertson Research Company Ltd. Micropaleontology and Stratigraphy Report
Phillips Petroleum Company Composite Log

CONFIDENTIAL

S U M M A R Y

Well: Phillips 7/11-1X.
Classification: New Field Wildcat.
Area: Field 7, Block 11, Production License 018.
Contractor & Rig: ODECO Norway Inc., "Ocean Viking".
Location: Line NJV 5704, S.P. 1238,
57° 04' 15.6" N,
02° 26' 24.4" E.
Water Depth: 78 meters (257 feet) below mean sea level.
Rotary Kelly Bushing: 27 meters (90 feet) above mean sea level.
Objective: To test the Tertiary and Mesozoic.
Results: Tested gas and condensate from Paleocene sands.
Status: Suspended well. New Field Discovery Wildcat.
Total Depth: 3974 meters (13,036 feet) RKB.

D R I L L I N G H I S T O R Y

Dates of Operations:

Spud: 26 February 1968
At Total Depth: 20 May 1968
Completed: 15 June 1968

Details of Operations:

Casing Program: 30-inch set at 140 meters (461 feet) RKB in 36" hole and cemented with 750 sacks cement.
20-inch set at 457 meters (1498 feet) RKB in 26" hole and cemented with 1900 sacks cement.
13-3/8-inch set at 1964 meters (6444 feet) RKB in 17-1/2" hole and cemented with 2400 sacks cement.
9-5/8-inch set at 3124 meters (10,248 feet) RKB in 12-1/4" hole and cemented with 1500 sacks cement.

CONFIDENTIAL

Mud Program:

<u>Depth:</u>	<u>Weight (ppg)</u>	<u>Viscosity:</u>	<u>PV:</u>	<u>YP:</u>	<u>Water Loss:</u>
0 - 4000 feet (0 - 1219 meters)	9.0	40	10	15	18
4000 - 6500 feet (1219 - 1981 meters)	9.5	60	20	25	12
6500 - 8100 feet (1981 - 2469 meters)	11.6	60	25	30	16
8100 - 9500 feet (2469 - 2896 meters)	12.5	50	35	40	10
9600 - 10300 feet (2926 - 3139 meters)	13.0	50	25	25	6
10300 - 13036 feet (3139 - 3974 meters)	12.0	40	20	4	8

A Drispac-Flosal-Desco mud system was used to a depth of 10,795 feet. At this depth the system was converted to a sodium chloride-saturated Drispac-Flosal-Desco system. The saltsaturated system was used to total depth.

Logging Program:

<u>Schlumberger Tools:</u>	<u>Run:</u>	<u>Interval:</u>
Induction Electric	1	1483 - 5066 feet
	2	4850 - 6513 "
	3	6444 -10328 "
Gamma Ray/Sonic-Caliper	1	1483 - 6503 feet
	2	Gamma Ray to subsea
	3	6444 -10230 feet
Laterolog	1	10250 -13020 "
	2	10249 -13022 feet
	3	10250 -13020 "
Microlaterolog - Caliper	1	1483 - 6513 feet
	2	6444 -10244 feet
	3	10250 -13023 feet
Microlog-Caliper	1	1483 - 6513 feet
	2	6444 -10244 feet
	3	10250 -13023 feet
Formation Density	1	6444 -10246 feet
	2	10249 -13022 "
Neutron	1	6444 -10326 feet
	2	6444 -10320 "
Continuous Dipmeter	1	1483 - 6500 feet
	2	6444 -10320 "
	3	10252 -13018 "

CONFIDENTIAL

<u>Schlumberger Tools:</u>	<u>Run:</u>	<u>Interval:</u>
Gamma Ray - CCL	1	9000 - 10260 feet
Cement Bond Log	1	7100 - 10247 feet
Temperature Log	1	0 - 13033 feet

Drilling Problems:

Logging Surface Hole:

The only significant drilling problem encountered in well 7/11-1X was that of sloughing shale between the depths of 5500 feet and 7600 feet. It was found that a mud density of 12.0 ppg controlled the sloughing shale problem.

Hole Deviation:

Vertical deviation nil to 11,468 feet where deviation was 4.5° . At the total depth of 13,000 feet deviation had increased to $11\frac{1}{2}^{\circ}$.

Stuck Pipe:

There was no problem with pipe sticking during the drilling of the well.

Lost Circulation:

No lost circulation problems occurred.

Coring:

Three cores were taken in the Paleocene sandstone in the following intervals:

9589 - 9622 feet, 9622 - 9678 feet, and 9688 - 9734 feet.
(See Appendix 1.)

Ten sidewall cores were attempted and six were recovered between 8154 and 9923 feet. (See Appendix 2.)

Testing:

A general distinction can be made between three divisions of the Paleocene in regard to testing results. In the upper section, between 9427 - 9455 feet, 15 feet of net pay were tested. In the middle section between 9527 - 10078 feet 211 feet of net pay were tested. In the lower section between 10078 - 10388 feet which is generally tight, only minor amounts of gas were tested. No water was recovered on any of the tests. Total net pay tested was 226 feet.

Flow rates on tests of Paleocene in 7/11-1X were as follows:

CONFIDENTIAL

Upper:

DST No. 5 (9440' - 9455'): 26/64" choke, 6.5 MMCFGD, 480 BPD 50° API oil; 2 - 1" chokes, 10.5 MMCFGD; 12/64" choke, 2.67 MMCFGD, 228 BOPD; 4.01 MMCFGD, 359 BOPD.

Middle:

DST No. 4(9527' - 9697'): 2 - 1-1/4" chokes, 44.3 MMCFGD; on isochronal flows: 16/64" choke, 4.39 MMCFGD, 372 BPD distillate; 26/64" choke, 10.75 MMCFGD, 970 BPD distillate; 37/64", 18.00 MMCFGD, 868 BPD distillate; 48/64" choke, 25.20 MMCFGD, 850 BPD distillate. Absolute open flow potential 101 MMCFGD.

DST No. 3 (9767' - 9808'): on isochronal flows, from 1/4" through 5/8" chokes, from 4.15 to 5.88 MMCFGD and 311 to 665 BPD 54° API distillate.

Lower:

DST No. 2 (10175' - 10197'): 1 1/2" choke, 5 MMCFGD; 1/4" choke, 121 M decreasing to 60 MCFGD, recovering 5 barrels brown to grey-green oil in water emulsion out of 30 barrels total.

DST No. 1 (10248' - 10370'): recovered 1/2 to 1 barrel of diesel with dark brown dissolved hydrocarbon.

Plugging and Abandonment:

The 9-5/8 inch casing was plugged as follows:

9325 - 9475 feet RKB: Laid a 50 sack plug across final perforations.

9289 & 4988 feet RKB: Set Baker cement retainers.

4700 - 4900 feet RKB: Laid 70 sack plug, class "A", neat cement.

500 - 650 feet RKB: Laid cement plug.

Set corrosion cap and abandoned.

CONFIDENTIAL

G E O L O G Y

Geologic Objectives:

The objective of the 7/11-1X well was to test the hydrocarbon potential of the Tertiary and the Mesozoic sediments. Specific objectives were the Paleocene sandstone, the Upper Cretaceous carbonate section, and the Jurassic. Other objectives conceived to be possible were sandstones in the Lower Cretaceous and Triassic.

CONFIDENTIAL

Results:

Stratigraphy:

Stratigraphic Unit: -----	Depth RKB		MSL Depth RKB		Drilled Thickness	
	Meters	Feet	Meters	Feet	Meters	Feet
QUATERNARY						
Recent	106	347	- 78.3	- 257		
Pleistocene					404	1327
TERTIARY						
Upper Pliocene	510	1674	- 483	-1584	105	343
Lower Pliocene	615	2017	- 587	-1927	58	192
Upper Miocene	673	2209	- 646	-2119	57	187
Middle Miocene	730	2396	- 703	-2306	803	2634
Lower Miocene						
Burdigalian	1533	5030	-1506	-4940	172	564
Aquitanian	1705	5594	-1678	-5504	264	866
Oligocene	1969	6460	-1942	-6370	697	2288
Upper-Middle Eocene	2666	8748	-2639	-8658	142	467
?Lower Eocene-						
?Paleocene	2809	9215	-2781	-9125	65	212
Upper Paleocene	2873	9427	-2846	-9337	199	651
Lower Paleocene						
Danian	3072	10078	-3044	-9988	94	310
UPPER CRETACEOUS						
Upper Maestrichtian	3166	10388	-3139	-10298	291	954
Lower Maestrichtian	3457	11342	-3430	-11252	18	58
Campanian	3475	11400	-3447	-11310	16	53
Coniacian-Turonian	3491	11453	-3463	-11363	8	27
UPPER-?LOWER CRETACEOUS						
Turonian-Cenomanian-						
?Albian	3499	11480	-3472	-11390	244	800
-unconformity-						
UPPER PERMIAN						
Zechstein Anhydrite	3743	12280	-3716	-12190	5	15
Zechstein Salt	3748	12295	-3720	-12205	226+	741+
(Total Depth)	3973	13036	-3946	-12947		

CONFIDENTIAL

Lithology:

Quaternary:

Recent-Pleistocene undifferentiated:

Thickness 405 meters (1327 feet).

No lithology was observed to a depth of 1520 feet because the well was drilled without returns. The lower part of the unit is grey, soft, gummy, clay with abundant shell fragments.

Tertiary:

Upper Pliocene Clay Unit:

Thickness 105 meters (343 feet).

This unit is made up of grey to greyish brown, soft, gummy, slightly silty clay. Pyrite and limonite in small quantities together with thin stringers of fine grained, loose, clear sand are found toward the base of the unit.

Lower Pliocene Clay Unit:

Thickness 58 meters (192 feet).

This unit is entirely composed of dark grey clays with traces of shell fragments.

Upper Miocene Clay Unit:

Thickness 57 meters (187 feet).

This unit is composed entirely of dark grey, gummy clays which are slightly silty.

Middle Miocene Clay Unit:

Thickness 803 meters (2634 feet).

This unit is composed of dark grey, gummy clay with occasional thin stringers of very fine grained fair sorted, angular sand.

Lower Miocene Burdigalian Clay-Shale Unit:

Thickness 172 meters (564 feet).

This interval contains grey to dark brown, soft, slightly pyritic clays and shales. The upper portion contains good traces of white to grey, occasionally buff, very fine crystalline to sucrosic dolomite.

Lower Miocene Aquitanian Clay Unit:

Thickness 264 meters (866 feet).

The Aquitanian is predominantly grey to dark brown, plastic,

CONFIDENTIAL

slightly silty clay with stringers of buff to white, fine crystalline dolomites and limestones in the lower portion.

Oligocene Shale Unit:

Thickness 697 meters (2288 feet).

This interval consists of dark grey to brown to black, slightly silty shales with soft clays interbedded. Grey to brown, hard crystalline dolomite and limestone stringers occur throughout.

Upper-Middle Eocene Shale Unit:

Thickness 142 meters (467 feet).

The unit is essentially composed of light grey to greenish, fissile to waxy shales.

?Lower Eocene-?Paleocene Shale Unit:

Thickness 65 meters (212 feet).

This unit is composed of light grey to greenish grey and occasionally purple shales. Traces of brown, hard, silty limestone are also observed.

Upper Paleocene Sandstone Unit:

Thickness 198 meters (651 feet).

The upper 100 feet is composed of light grey to greenish grey shales. The remainder of the unit is composed of interbedded light grey to brown, very fine grained, micaceous, silty, slightly calcareous sandstones and siltstones with light to medium greenish grey shales. Toward the base of the interval the sandstones become coarser, poorly sorted, and are subrounded to sub-angular.

Lower Paleocene Danian Limestone Unit:

Thickness 94 meters (310 feet).

The upper 30 feet of the unit are composed of white, chalky, soft to medium-hard limestone containing light brown, opaque chert nodules. The following 150 feet are mainly grey to buff to white, chalky to microcrystalline limestone with very occasional stringers of sandstones and shales. The lower 130 feet are made up of interbedded sandstones, shales, and limestones. The sandstone is light grey to brown, fine to medium grained, poorly sorted, and is calcareous and shaley, and the shale is grey to greenish grey. Limestone is as the upper section.

Upper Cretaceous Limestone and Chalk:

Upper Maestrichtian:

Thickness 291 meters (954 feet).

CONFIDENTIAL

This unit is composed of white, light grey and light brown, chalky, dense, hard limestone containing traces of brown, translucent chert nodules. The lower 100 feet of the interval, in addition to the limestone, consists of stringers of light brown, medium to coarse crystalline to sucrosic dolomite with good vugular porosity.

Lower Maestrichtian:

Thickness 18 meters (58 feet).

This interval consists of light grey, microcrystalline, hard, dense limestone with traces of light brown crystalline dolomite.

Campanian:

Thickness 16 meters (53 feet).

The unit is composed of brown to white, very chalky to microcrystalline, soft to hard limestone with white to grey, soft marl in the lower part.

Coniacian-Turonian:

Thickness 8 meters (27 feet).

This interval is entirely composed of white, dense, hard limestone with abundant fractures.

Upper Cretaceous - ?Lower Cretaceous Limestone.

Turonian-Cenomanian-?Albian:

Thickness 244 meters (800 feet).

The unit is composed of white, chalky, and grey to brown, microcrystalline to fine crystalline, argillaceous, limestone with occasional chert nodules. Black carbonaceous shale stringers are prevalent toward the base of the interval. The lower 20 feet is composed of grey, fine to medium grained, poorly sorted, subangular, silty sandstone and hard, black, silty shale.

Upper Permian.

Zechstein Anhydrite:

Thickness 5 meters (15 feet).

This unit is entirely composed of white, hard, amorphous, somewhat shaley anhydrite.

Zechstein Salt:

Thickness 229+ meters (741+ feet).

This unit consists of clear, white, occasionally pink, translucent salt, with traces of hard anhydrite. The lower 100 feet are almost entirely pink, translucent salt.

APPENDIX 1 - (1)

DATE April 14, 1968

PHILIPS PETROLEUM CO.

CORE NO. 1

TEST AREA

CORE DESCRIPTION

SHEET NO. 1

Cod

SCALE 1:100
3 inches = 25 feet

WELL NO. 7/11-1X

LITHOLOGICAL SYMBOLS AS ON 1950 SCALE GEOLOGICAL LOG

GEOLOGIST S.S. Warner

in ft	DEPTH IN FEET	LOG	DIPS SWAYS	DESCRIPTION	REMARKS
				Core No. 1 - 9589 - 9622'. Rec. 33' 100%.	
7 6 5 4 3 2 1	9589			9589 - 91.5 SH, dk grey wxy hd, some sl micaceous with occ thin streaks of SS, vfg	
0	95			9591 - 95 SS, lt brn - gy brn vfg fri well sorted subrd occ grn grains w/SH in thin beds a.a.	
7 6 5 4 3 2 1	9600			9595 - 9607 SS, a.a.	
0	05			9607 - 14.5 SS, a.a. w/thin beds and laminations of SH, a.a.	
7 6 5 4 3 2 1	9610			9614 - 9622 SS, a.a. w/occ sh laminations	
0	15			<u>Show:</u> Core had fair gas odor and brn stain, v/faint fluor to fr fluor, cut milky to pale yellow. No salt taste. Good por. & perm.	
7 6 5 4 3 2 1	9620			Poor dips range 5 - 10°?	

April 15, 1968

APPENDIX 1 - (3)

PHILLIPS PETROLEUM CO.

CORE NO. 2

TEST AREA

CORE DESCRIPTION

SHEET NO. 1

WELL NO. 7/11-1X

Cod

SCALE 1:100

3 inches = 25 feet

LITHOLOGICAL SYMBOLS AS ON MSCO SCALE GEOLOGICAL LOG

GEOLOGIST

DEPTH IN FEET	LOG	DESCRIPTION	REMARKS
9622		Core No. 2 - 9622 - 9678'. Rec. 22' - 39%.	
25		9622 - 27	SS, lt brn vfg fr fri well sorted subrd. Occ thin streaks and laminations of SH, gy-grn hd platy.
9630		9627 - 32	SS. a.a. and occ lam of SH.
35		9632 - 44	SS. a.a. w/SH, a.a. SS is sl more shy.
9640		<u>Show:</u>	Core had good gas odor and was bleeding gas.
45	No Rec		SS had a brn stain that dissipated very quickly v faint fluor fr - poor milky cut w/CCl ₄ , fr por and perm, 15° - 20° dip.
9650			
55			
9660			
65			
9670			
75			
78			

15. SUB
Closed

APPENDIX 1 - (7)

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Page No. 1

CORE ANALYSIS RESULTS

Company Phillips Petroleum Formation _____ File UKCA 109
Well 7/11-1X Core Type Diamond Date Report 13 May 1968
Field _____ Drilling Fluid _____ Analysts R.F.B./J.C.C.
County North Sea State Norway Elev. _____ Location _____

Lithological Abbreviations

SAND - SD DOLOMITE - DOL ANHYDRITE - ANHY SANDY - SDY FINE - FN CRYSTALLINE - XLN BROWN - BRN FRACTURED - FRAC SLIGHTLY - SL/
SHALE - SH CHERT - CH CONGLOMERATE - CONG SHALY - SHY MEDIUM - MED GRAIN - GRN GRAY - GY LAMINATION - LAM VERY - V/
LIME - LM GYPSUM - GYP FOSSILIFEROUS - FOSE LIMY - LMY COARSE - CSE GRANULAR - GRNL VUGGY - VGY STYLOLITIC - STY WITH - W/

Sample No.	Depth Feet:	Permeability Millidarcys:		Porosity Per Cent	Residual Saturation/Per Cent Pore		Bulk Density	OB	WB	GB
		Ka.	Kl.		Oil	Total Water				
1	9590.5	65	56	21.9	10.0	43.8	2.18	2.2	9.6	10.1
2	95.5	30	25	15.8	7.6	52.5	2.32	1.2	8.3	6.3
3	98	63	54	18.6	5.9	42.0	2.24	1.1	7.8	9.7
4	9601.5	11.6	9.1	22.3	4.9	39.9	2.16	1.1	8.9	12.3
5	03.5	65	56	18.1	6.1	30.8	2.23	1.1	5.6	11.4
6	06	71	62	19.2	0.0	34.9	2.17	0.0	6.7	12.5
7	08.5	95	84	21.0	5.2	44.2	2.12	1.1	9.3	10.6
8	11.5	98	87	17.5	0.0	42.3	2.23	0.0	7.4	10.1
9	15	15	12	15.9	0.0	52.2	2.29	0.0	8.3	7.6
10	16.5	6.2	4.7	15.0	0.0	52.0	2.24	0.0	7.8	7.2
11	23	104	93	21.4	0.0	53.8	2.21	0.0	11.5	9.9
12	25	1.03	0.70	15.0	8.0	62.0	2.39	1.2	9.3	4.5
13	28	12	10	9.7	0.0	76.3	2.47	0.0	7.4	2.3
14	30	51	43	22.3	4.9	44.0	2.14	1.1	9.8	11.4
15	33	37	31	16.3	0.0	31.9	2.16	0.0	5.2	11.1
16	36	54	46	19.4	5.7	43.8	2.23	1.1	8.5	9.8
17	40.5	0.82	0.55	11.6	10.6	54.2	2.42	1.2	6.3	4.1
18	42	144	129	21.7	5.1	38.3	2.17	1.1	8.3	12.3
19	90	2.4	1.7	15.9	7.6	40.8	2.34	1.2	6.5	8.2
20	92	0.31	0.19	15.8	0.0	50.0	2.33	0.0	7.9	7.9
21	9697	0.18	0.11	6.5	0.0	84.4	2.51	0.0	5.5	1.0

DATE April 17, 196

PHILLIPS PETROLEUM CO.

CORE NO. 3

TEST AREA

CORE DESCRIPTION

SHEET NO. 1

WELL NO. 7/11-1X

Cod

SCALE 1:100
3 inches = 25 feet

LITHOLOGICAL SYMBOLS AS ON 1:500 SCALE GEOLOGICAL LOG

GEOLOGIST Sandridge

DEPTH IN FEET	LOG	DIPS	SHOWS	DESCRIPTION	REMARKS
Core No. 3 - 9688 - 9734. Rec 13' (7' Ss & 6' Sh, 28%).					
9688				9688 - 9688.5 SH, dk gy, ck sli waxy, flakey, mica w/thin SS laminations.	
90			GAS		
95			GAS	9688.5 - 9690.5 SS, lt to med dk brn, vfg mica, shly, sli calc, poor to fair por, lt brn stn, faint fluor, sli cut. Bleeding gas.	
9700			NONE APPARENT		
05				9690.5 - 9691 SH, lt gy-grn, waxy.	
				9691 - 1692 SS, a.a. w/se mottled gy-brn, v tite, v faint fluor, sli cut.	
9710				9692 - 9693 SS, a.a., fractured, staining w/faint fluor along fractures but otherwise tite w/ns.	
15					
9720				9693 - 9694 SS, brn, f-mg, sub-ang, mica, fair dk brn asph sptd stn w/dull fluor. Sli bleeding gas. Very tite.	
25					
9730				9694 - 9695 SS, gy, vfg, shly w/irreg sptd stn. No fluor.	
9734				9695 - 9697 SH, gy to gy-brn & lt gy-grn waxy in part.	
				9697 - 9697.5 SLTS, gy, vfg, mica, hd and v tite, v faint sptd fluor. FeCO ₃ cmt.	
				9697.5 - 9699 SH, dk gy, waxy.	
				9699 - 9699.5 SLTS as above.	
				9699.5 - 9701 SH, lt gy w/thin SS lam.	

Core No. 3 - 9688 - 9734. Rec 13' (7' Ss & 6' Sh, 28%).
 9688
90
95
9700
05
9710
15
9720
25
9730
9734

No Recovery

Except for top 2', ss is very tite.

ROBERTSON RESEARCH COMPANY LIMITED
MICROPALAEONTOLOGICAL ANALYSIS CHART
 DATE: 12.6.68. ANALYST: JWC LOCATION: Norwegian North Sea Well 7/11-1A
 FOR: Phillips Petroleum Limited, Norway. CHART NO. 9
 9000' - 10000'

- | | | |
|--|---------------------------------------|----------------------------------|
| <input type="checkbox"/> LIMESTONE | <input type="checkbox"/> SILTSTONE | <input type="checkbox"/> S SALT |
| <input type="checkbox"/> DOLOMITE | <input type="checkbox"/> SANDSTONE | <input type="checkbox"/> COAL |
| <input type="checkbox"/> COLITIC LIMESTONE | <input type="checkbox"/> CONGLOMERATE | <input type="checkbox"/> C CHERT |
| <input type="checkbox"/> CLAY | <input type="checkbox"/> GYPSUM | <input type="checkbox"/> |
| <input type="checkbox"/> SHALE | <input type="checkbox"/> VOLCANICS | <input type="checkbox"/> |
| <input type="checkbox"/> SILTY/SANDY SHALE | <input type="checkbox"/> INTRUSIVES | <input type="checkbox"/> |

LITHOLOGY	DEPTH IN FEET	SYSTEM	STAGE	ZONE
	100	Eocene	UPPER ? MIDDLE	
	200			
	300	Eocene	LOWER	
	400			
	500	Palaeocene		
	600			
	700	Palaeocene		
	800			
	900			
	1000			

MICROFOSSILS	
Sample analysed palynologically	
Bathysiphon eocenicus	+
Cyclamina placenta	+
Globovalva charoides	+
Rhodammina sp.	+
Hyperammina sp.	+
Trochammina globigeriniformis	+
Trochammina globigeriniformis var. altilirum	+
Haplophragmoides sp.	+
Haplophragmoides carinatum	+
Haplophragmoides latidorsatus	+
Hermosina sp.	+
Cyclamina sp.	+
Ammodiscus incertus	+
Cribrostomoides sp.	+
Globigerina barbosa	+
Coccolithus sp.	+
Pelosina sp.	+
Hyppocrepina sp.	+
Globigerina cf. linaperia linaperia	+
Krithe cf. rutoti	+
Globigerina triangularis	+
Haplophragmoides cf. obliquicameratus	+
Cyclamina challinori	+
Cyclamina incisa	+
Trochammina pentagona	+
Globigerina triloculinoides	+
Involuntina pyrotechnica	+
Glomospirella woodi	+
Rzehakina sp.	+
Spiroplectammina spectabilis	+
Pullenia quaternaria	+
Globigerina inaequispira	+
Globigerina spiralis	+
Cicatricosisporites sp.	+
cf. Polyadopollenites sp.	+
Cicatricosisporites doregensis	+
Cingulatisporites marxheimensis	+
Toraispora sp.	+
Triatrisporites myricoides	+
Laevigatosporites haardtii	+

TAUSHETSFLIK