

COMMISSION OF THE EUROPEAN COMMUNITIES

COM(75) 676 final.

Brussels, 19 December 1975

Modification of the annex to the document
"Proposal for a Council decision on the grant
of measures of support for Community projects
in the hydrocarbons sector".

COM(75) 676 final.

APPLICATION OF MICROECONOMIC DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGIONALISATION

111

NAME OF TECHNOLOGICAL DEVELOPMENT : DRILLING		DATE : 19/01/73		APPROVAL OF TECHNOLOGY DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGULATION No 200/72		DATE : 19/01/73													
No	Name of the project and responsible person	Deadline (years)	Investment (millions)	ACCEPTABILITY		ESSENTIAL MEASURE		IMPORTANCE FOR THE COMMUNITY		APPROPRIATION OF THE TECHNICAL POSSIBILITIES		APPROPRIATION OF THE SITUATION		STATE OF INDUSTRY in relation to the state of existing technology		ACTIVITIES (Code No. 110, 1117, 1118, 1119, 1120)	ACTIVITIES (Code No. 110, 1117, 1118, 1119, 1120)	OTHER INFORMATION	CONCLUSIONS
				Is the project feasible?	Is the project acceptable?	Is the project acceptable?	Is the project acceptable?	Additional power production due to the reduction of the time of production	Improvement of production	Improvement of the quality of products	Improvement of the reliability of products	Improvement of the quality of the community	Improvement of the economic situation	Improvement of the environment	Improvement of the reliability of the environment	State of the project	Proposed introduction of the project by the state	State of the project	Proposed introduction of the project by the state
				Time test	Technol. test	Time test	Technol. test	1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 20100 20101 20102 20103 20104 20105 20106 20107 20108 20109 20110 20111 20112 20113 20114 20115 20116 20117 20118 20119 20120 20121 20122 20123 20124 20125 20126 20127 20128 20129 20130 20131 20132 20133 20134 20135 20136 20137 20138 20139 20140 20141 20142 20143 20144 20145 20146 20147 20148 20149 20150 20151 20152 20153 20154 20155 20156 20157 20158 20159 20160 20161 20162 20163 20164 20165 20166 20167 20168 20169 20170 20171 20172 20173 20174 20175 20176 20177 20178 20179 20180 20181 20182 20183 20184 20185 20186 20187 20188 20189 20190 20191 20192 20193 20194 20195 20196 20197 20198 20199 201000 201001 201002 201003 201004 201005 201006 201007 201008 201009 201010 201011 201012 201013 201014 201015 201016 201017 201018 201019 201020 201021 201022 201023 201024 201025 201026 201027 201028 201029 201030 201031 201032 201033 201034 201035 201036 201037 201038 201039 201040 201041 201042 201043 201044 201045 201046 201047 201048 201049 201050 201051 201052 201053 201054 201055 201056 201057 201058 201059 201060 201061 201062 201063 201064 201065 201066 201067 201068 201069 201070 201071 201072 201073 201074 201075 201076 201077 201078 201079 201080 201081 201082 201083 201084 201085 201086 201087 201088 201089 201090 201091 201092 201093 201094 201095 201096 201097 201098 201099 201100 201101 201102 201103 201104 201105 201106 201107 201108 201109 201110 201111 201112 201113 201114 201115 201116 201117 201118 201119 201120 201121 201122 201123 201124 201125 201126 201127 201128 201129 201130 201131 201132 201133 201134 201135 201136 201137 201138 201139 201140 201141 201142 201143 201144 201145 201146 201147 201148 201149 201150 201151 201152 201153 201154 201155 201156 201157 201158 201159 201160 201161 201162 201163 201164 201165 201166 201167 201168 201169 201170 201171 201172 201173 201174 201175 201176 201177 201178 201179 201180 201181 201182 201183 201184 201185 201186 201187 201188 201189 201190 201191 201192 201193 201194 201195 201196 201197 201198 201199 201200 201201 201202 201203 201204 201205 201206 201207 201208 201209 201210 201211 201212 201213 201214 201215 201216 201217 201218 201219 201220 201221 201222 201223 201224 201225 201226 201227 201228 201229 201230 201231 201232 201233 201234 201235 201236 201237 201238 201239 201240 201241 201242 201243 201244 201245 201246 201247 201248 201249 201250 201251 201252 201253 201254 201255 201256 201257 201258 201259 201260 201261 201262 201263 201264 201265 201266 201267 201268 201269 201270 201271 201272 201273 201274 201275 201276 201277 201278 201279 201280 201281 201282 201283 201284 201285 201286 201287 201288 201289 201290 201291 201292 201293 201294 201295 201296 201297 201298 201299 201300 201301 201302 201303 201304 201305 201306 201307 201308 201309 201310 201311 201312 201313 201314 201315 201316 201317 201318 201319 201320 201321 201322 201323 201324 201325 201326 201327 201328 201329 201330 201331 201332 201333 201334 201335 201336 201337 201338 201339 201340 201341 201342 201343 201344 201345 201346 201347 201348 201349 201350 201351 201352 201353 201354 201355 201356 201357 201358 201359 201360 201361 201362 201363 201364 201365 201366 201367 201368 201369 201370 201371 201372 201373 201374 201375 201376 201377 201378 201379 201380 201381 201382 201383 201384 201385 201386 201387 201388 201389 201390 201391 201392 201393 201394 201395 201396 201397 201398 201399 201400 201401 201402 201403 201404 201405 201406 201407 201408 201409 201410 201411 201412 201413 201414 201415 201416 201417 201418 201419 201420 201421 201422 201423 201424 201425 201426 201427 201428 201429 201430 201431 201432 201433 201434 201435 201436 201437 201438 201439 201440 201441 201442 201443 201444 201445 201446 201447 201448 201449 201450 201451 201452 201453 201454 201455 201456 201457 201458 201459 201460 201461 201462 201463 201464 201465 201466 201467 201468 201469 201470 201471 201472 201473 201474 201475 201476 201477 201478 201479 201480 201481 201482 201483 201484 201485 201486 201487 201488 201489 201490 201491 201492 201493 201494 201495 201496 201497 201498 201499 201500 201501 201502 201503 201504 201505 201506 201507 201508 201509 201510 201511 201512 201513 201514 201515 201516 201517 201518 201519 201520 201521 201522 201523 201524 201525 201526 201527 201528 201529 201530 201531 201532 201533 201534 201535 201536 201537 201538 201539 201540 201541 201542 201543 201544 201545 201546 201547 201548 201549 201550 201551 201552 201553 201554 201555 201556 201557 201558 201559 201560 201561 201562 201563 201564 201565 201566 201567 201568 201569 201570 201571 201572 201573 201574 201575 201576 201577 201578 201579 201580 201581 201582 201583 201584 201585 201586 201587 201588 201589 201590 201591 201592 201593 201594 201595 201596 201597 201598 201599 201600 201601 201602 201603 201604 201605 201606 201607 201608 201609 201610 201611 201612 201613 201614 201615 201616 201617 201618 201619 201620 201621 201622 201623 201624 201625 201626 201627 201628 201629 201630 201631 201632 201633 201634 201635 201636 201637 201638 201639 201640 201641 201642 201643 201644 201645 201646 201647 201648 201649 201650 201651 201652 201653 201654 201655 201656 201657 201658 201659 201660 201661 201662 201663 201664 201665 201666 201667 201668 201669 201670 201671 201672 201673 201674 201675 201676 201677 201678 201679 201680 201681 201682 201683 201684 201685 201686 201687 201688 201689 201690 201691 201692 201693 201694 201695 201696 201697 201698 201699 201700 201701 201702 201703 201704 201705 201706 201707 201708 201709 201710 201711 201712 201713 201714 201715 201716 201717 201718 201719 201720 201721 201722 201723 201724 201725 201726 201727 201728 201729 201730 201731 201732 201733 201734 201735 201736 201737 201738 201739 201740 201741 201742 201743 201744 201745 201746 201747 201748 201749 201750 201751 201752 201753 201754 201755 201756 201757 201758 201759 201760 201761 201762 201763 201764 201765 201766 201767 201768 201769 201770 201771 201772 201773 201774 201775 201776 201777 201778 201779 201780 201781 201782 201783 201784 201785 201786 201787 201788 201789 201790 201791 201792 201793 201794 201795 201796 201797 201798 201799 201800 201801 201802 201803 201804 201805 201806 201807 201808 201809 201810 201811 201812 201813 201814 201815 201816 201817 201818 201819 201820 201821 201822 201823 201824 201825 201826 201827 201828 201829 201830 201831 201832 201833 201834 201835 201836 201837 201838 201839 201840 201841 201842 201843 201844 201845 201846 201847 201848 201849 201850 201851 201852 201853 201854 201855 201856 201857 201858 201859 201860 201861 201862 201863 201864 201865 201866 201867 201868 201869 201870 201871 201872 201873 201874 201875 201876 201877 201878 201879 201880 201881 201882 201883 201884 201885 201886 201887 201888 201889 201890 201891 201892 201893 201894 201895 201896 201897 201898 201899 201900 201901 201902 201903 201904 201905 201906 201907 201908 201909 201910 201911 201912 201913 201914 201915 201916 201917 201918 201919 201920 201921 201922 201923 201924 201925 201926 201927 201928 201929 201930 201931 201932 201933 201934 201935 201936 201937 201938 201939 201940 201941 201942 201943 201944 201945 201946 201947 201948 201949 201950 201951 201952 201953 201954 201955 201956 201957 201958 201959 201960 201961 201962 201963 201964 201965 201966 201967 201968 201969 201970 201971 201972 201973 201974 201975 201976 201977 201978 201979 201980 201981 201982 201983 201984 201985 201986 201987 201988 201989 201990 201991 201992 201993 201994 201995 201996 201997 201998 201999 202000 202001 202002 202003 202004 202005 202006 202007 202008 202009 202010 202011 202012 202013											

PROFESSIONAL & TECHNICAL DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGIONALISATION

NAME		DURATION (years)		ACCEPTABILITY*		CAPACITIES OF THOSE RESPONSIBLE		ESSENTIAL MEASURE : Delay in the execution of the work, if support is not granted		IMPORTANCE FOR THE COMPANY : Additional production due to acceleration of production		APPROPRIATION OF THE TECHNICAL RISKS		APPROPRIATION OF THE SITUATION		DEGREE OF INNOVATION in relation to the state of existing technology :		APPLICABILITY OF THE STATE OF SIMILAR PROJECTS :		EQUIVALENCE OF YEARS EQUIVALENT		GENERAL OBSERVATIONS		CONCLUSIONS						
Ref.	Name of the project and responsible person	Start date	End date	Yes	No	Team	Techni-	Year	Month	Year	Month	Year	Month	Year	Month	Year	Month	In the Country	In the World	State of the art	Characteristics of development	Similar	Not	Not	Not	Not	Not			
1075	From the project have a technical and financial aspect?																													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
(1)13	Floating platforms for the exploitation of oil and gas fields in deep water	2	2,415,000	Yes	Yes	+	+	-	-	-	-	100,000	M/D	-	-	-	-	+	10	25-30	-	-	+	-	+	Other TLP projects (1)	+	World benefit by support from oil company or contractor	Raised sea-platforms with additional utilization of produced gas and oil (TLP) (1).	
(1)14	Study and development of the design, construction and installation of fixed offshore platforms	3	6,530,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Proposed: support to MR	Established scale of reference established		
(1)15	Intermediate and deep sea production platforms	7	4,622,000	Yes	Yes	+	+	-	-	-	-	100,000	M/D	-	-	-	-	+	5	25-30	-	-	+	-	+	Other TLP projects	+	Crude processing below sea level	Systematic approach to problem of design and development of economic structures for deep water.	
	VICORE LTD																												Project includes manufacture of major structures (TLP) (1)	Proposed: to be supported by MR
(1)16	Research and development project for production of oil and gas from deep water	3	8,672,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	World benefit by support from oil company	Flexible approach to development of production systems for deep water field or MR		
	TAYLOR HOWES LTD																												Proposed: support to MR	
(1)17	Oil production platform	1	520,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	-	6	-	-	-	3	10	-	-	-	STRAND AND CO LTD	+	Manufacture of structures in shallow water	Another method of building fixed structures
	CALIFORNIA PLATFORMS LTD																												Proposed: not to be supported	
(1)18	Project for North Sea Production platform	1	310,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Improved construction and launching system	Focus emphasis on simplification of processes, etc., without adequate proof and development of the structure feasibility		
	SEALEX STRUCTURES LTD																												Proposed: not to be supported	
(1)19	Tension leg platform	2	15,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	+	+	-	-	1	10	-	-	-	Other TLP projects	+	Separate storage needed outside structure	Proposal to update TLP system	
	SEALEX VESCS LTD																												Proposed: delayed to 1978	
(1)20	Oil platform project	2	750,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	+	-	-	-	2	8	-	-	-	Other fixed structure projects	+	Design based on a SEM patent	Steel gravity structures using tension jacks for elevating	
	SEALEX SCOT LITHES																												Proposed: not to be supported	
(1)21	New oil offshore production system	3	11,640,000	Yes	Yes	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Crude	This proposal relates to the systematic development of a total production system addressing deeper waters, smaller fields and shallower depth fields (TIP)	Proposed: support to MR		
	SEALEX VESCS LTD																												Proposed: support to MR	
(1)22	Floating natural gas liquefaction plant	2	1,420,000	Yes	Yes	+	+	-	-	-	-	4,000	7-12 m	-	-	-	-	-	3-5	100	-	-	-	-	+	Tight scale production economic in smaller fields	Supplementary production expected from fields where production otherwise not viable			
	PRESSMAR AG																												Proposed: support to MR	
(1)23	Production of LNG and ethane platform	2	1,035,000	Yes	Yes	+	+	-	-	-	-	2,400	7-12 m	-	-	-	-	+	3-5	100	-	-	-	-	+	Tight scale production economic in smaller fields	Supplementary production expected from fields where production otherwise not viable			
	SALZGITTER AG																												Proposed: support to MR	

(1) T.L.P.: tension leg platform

(2) Volume reduction proposed by the Contractor (only design costs for 1975, 1976 and 1977)

APPROVAL OF TECHNOLOGICAL DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGULATION No. 326/7

NAME		ADDRESS		APPROVAL OF TECHNOLOGICAL DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGULATION By 2006/72												DATE																
NAME OF TECHNOLOGICAL DEVELOPMENT		SECONDARY RECOVERY METHODS OR SHALE		APPROVAL OF TECHNOLOGICAL DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGULATION By 2006/72												DATE																
No.	Name of the project and responsible person	Duration (years)	Investment or expense (in million DM) required during the period 1972/1977 in DM	ACCEPTABILITY		CAPACITIES OF USE DESIRABLE		ESSENTIAL REQUIRE		IMPORTANCE FOR THE COMMUNITY				SPECIFICATION OF THE TECHNICAL RISKS		SPECIFICATION OF THE SITUATION		SPECIE OF INNOVATION In relation to the state of existing technology				VALIDITY OF WHICH THE PROJECT IS APPROVED		IDENTIFICATION OF PLACES APPROVED		OTHER OBSERVATIONS		CONCLUSION				
				Does the project have a technical value?	Is the value or high enough to be considered according to the provisions of Article 3 of Regulation No. 1972/1977?	From	Technical	Delay in the acquisition of the work if support is not granted	Additional production due to acceleration of production	Technical	Geological	Environmental	Health	Technical	Geological	Environmental	Health	Technical	Geological	Environmental	Health	Technical	Geological	Health	Technical	Geological	Health	Technical	Geological			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
5.01	In-situ shale oil production and treatment BP FRANCE SA	3 (5)	1,487,000	yes	yes	-	-	-	-	-	-	5,10 ^a (4,400) Fertilized	15,10 ^a (14,100) Fertilized	-	-	-	-	20	general	-	-	-	-	-	-	-	-	-	-	General application to shale oil and others available. Proprietary: support to AG		
5.02	Pilot project of aromatization and polymer plants in the Chateauroux reservoirs BPFR	3	3,000,000	yes	yes	-	-	-	-	-	-	4,10 ^a (4,100) Fertilized	4,10 ^a (4,100) Fertilized	-	-	-	-	20	general	-	-	-	-	-	-	-	-	-	-	General application to shale oil and others available. Proprietary: support to AG		
5.03	Development of heavy oil production from shales in Federal German Republic INTERNAUT	3	1,265,000	yes	yes	-	-	-	-	-	-	8,10 ^a (8,100) Fertilized	2,10 ^a (2,100) Fertilized	-	-	-	-	20	general	-	-	-	-	-	-	-	-	-	-	Field must be produced without this development program. Total alternate recovery could achieve 7,000,000 t. Proprietary: support to AG		
5.04	Hydrocarbons recovery from shale deposits SHELL INTERNATIONAL	2	1,000,000	yes	yes	-	-	-	-	-	-	Increasing recovery factor from 7 to 22	-	-	-	-	20	general	-	-	-	-	-	-	-	-	-	-	Success with this project could, if results apply, provide an additional 60,000 t. of shale oil. Proprietary: support to AG			
5.05	Exploration of oil shale deposits BPFR	1	20,000 (1)	partial	yes	-	-	-	-	-	-	-	-	-	-	-	general	-	-	-	-	-	-	-	-	-	-	Health of knowledge available in Germany, USA and elsewhere Proprietary: support to AG				

(1) Reduced amount proposed by the Contractor (90,000 - 50,000)

APPRECIATION OF INTEGRATION DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF NEGOTIATION B6 7056/71

51925

INDEX		I: AREA OF TECHNOLOGICAL DEVELOPMENT		II: PIPE AND CABLE LAYING		III: TRANSPORT BY PIPELINE AND WHEELBARROW		APPRECIATION OF TECHNOLOGICAL DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGULATION No. 306/74		IV: CONCLUSION																						
No.	Name of the project and responsible person	Duration (years)	Investment or expenditure during the period 1975/1977 in millions	ACCEPTABILITY:		CAPACITIES OF PIPE RESISTANCE:		ESSENTIAL FEATURES:				IMPORTANCE FOR THE COMMUNITY:				APPRECIATION OF THE TECHNICAL PROGRESS:		APPRECIATION OF THE SITUATION:		TECHNIQUE OF INVESTIGATION in relation to the state of existing technology:				APPRECIATION OF CAPACITY FOR THE COMMUNITY PROJECTS:		IDENTIFICATION OF HOURS ENVISAGED		OTHER OBSERVATIONS	CONCLUSION			
				Does the project have a technical and financial advantage?		Is the result of the project acceptable according to the provisions of Article 3 of Regulation No. 306/74?		Date of the execution of the work if consent is not granted		Additional production		Acceleration of production		Use of mobile vehicles		Institutional development under existing techniques		Other possible developments by the stage		State of the economy		State of the environment		State of the technique		State of the technique						
				Year	Technological	Year	Technological	1975	1976	1977	1978	1979	1980	1981	1982	Year	Technological	Year	Technological	1975	1976	1977	1978	1979	1980	1981	1982					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
9.01	Execution of field tests and extension of working capabilities of remote controlled submersible vehicle "M-10"	4	10,543,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Construction of an experimental vehicle has already reached the "pre-trial" stage. The object of the proposal is to complete the trials, make the equipment and test a prototype.	Specific materials for laying pipes and cables at 150-200 m depth. The risks of building an experimental vehicle have already been taken by the contractor. The length of the work programme does not correspond to the objectives. Concrete pipe and cable laying.	Proposition: not to be supported	
	<u>RESULTS:</u>																															
9.02	Pipe laying by deep cables	1	102,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	The project foresees completing by theory and practice a study to enable the engineering stage to be reached and then the building of a prototype.	The construction of a prototype pipe laying barge has already been discussed between contractors and owners, both for the engineering and for the completion. Taking account of the value of the innovation and the interest which there appears to be, the proposer must take all the risks concerning pipe laying.	Proposition: not to be supported	
	<u>RESULTS:</u>																															
9.03	Sea technology for pipe laying of oil	2	1,740,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	The innovation lies in the slingers to which the suspension will be the same as the pipes.	The two types of slingers studied should permit a reduction in laying time and operation in wave height of 10 m. Important significance to pipe laying techniques.	Proposition: support to 25%		
	<u>RESULTS:</u>																															
9.07	Pipe lifter/transport machine	3	1,000,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	The accessories of this machine have been developed already by the proposer. There reaches the completion of the machine itself. The work programme seems disproportionate to the objectives. Any new techniques for pipe laying.	There are machines of this type effective at shallow depth for oil/tariffs of pipes. The project foresees a machine for great depths.	Proposition: not to be supported		
	<u>RESULTS:</u>																															
10.01	Laying a 12" flexible conduit 15 km long in 350 m of water	3	1,240,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	The technique has the advantage of pipe laying both simply and rapidly at low cost. The flexible pipes may be recovered and reused on another site. Repair work is easier than in rigid pipes. The cost of pipes is too high to consider using over long distances. The Community participation is limited to the first 1 km (1,240,000 m).	Applicable to all submarine transport over short distances (from oil storage tanks to storage or loading).	Proposition: support to 25%		
	<u>RESULTS:</u>																															
10.05	High pressure flexible hoses for transport and separation of underwater hydrocarbons	3	1,051,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Development in this new field desirable in order to solve handling and loading problems of oil and gas offshore, even for large diameter.	Cooperation with oil companies manufacturing offshore structures is envisaged to allow joint development of exploitation and loading.	Proposition: support to 25%		
	<u>RESULTS:</u>																															
10.08	LNG Loading area	3	2,410,00	Yes	Yes	No	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	The success of this project will provide the vital link in the offshore dignification of gas. With no loading system there is no point in developing gas from very small fields, especially associated gas in northern North Sea will have to be flared. The project is therefore in the forefront among those that will actually increase available energy supplies to the Community.	Cooperation with companies manufacturing offshore structures is envisaged to allow joint development of exploitation and loading.	Proposition: support to 40%		
	<u>RESULTS:</u>																															

(1) Reduced amount proposed by the Commissaire (10,455,000 - 10,715,000)

APPRECIATION OF TECHNOLOGICAL DEVELOPMENT PROJECTS UNDER THE CONDITIONS OF REGULATION No 209/72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
AREA OF TECHNOLOGICAL DEVELOPMENT : 111. MARINE TRANSPORTATION			120. GAS TECHNOLOGY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
No	Name of the project and responsible person	Duration (years)	Investment or resources needed during the period 1975/1977 in EC	ACCEPTABILITY 1		CAPACITIES OF FALSE RESPONSIBLE		ESSENTIAL REQUIRE 2		IMPORTANCE FOR THE COMPANY 3				APPRECIATION OF THE TECHNICAL RISKS		APPRECIATION OF THE SITUATION		TECHNICAL INFORMATION in relation to the state of existing technology 4		COSTS OF JOURNAL IN 1975 WITH SIMILAR PROJECTS 5	NUMBER OF YEARS ENvisAGED	OTHER INDICATIONS	COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Does the project have a technical effect?	Is the nature of the project to be considered according to the regulation?	Is responsible for the project?	False responsible	Delay in the execution of the work if support is not provided	Additional production	Acceleration of production	Elimination of bottlenecks	Great	Large	Small	Inefficient equipment and/or deteriorating techniques	Nature and/or extent of possible pollution	Environmentally friendly	State of the art	Costs of development of new technologies	Costs of maintenance	Costs of operation	Costs of disposal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191

NAME		PROJECT NUMBER		INVESTMENT OR EXPENSES ARRANGED DURING THE PERIOD 1972/1973		ACCEPTABILITY OF THE PROJECT		CAPACITIES OF THE PROJECT RESPONSIBLE		ESSENTIAL FEATURES		IMPORTANCE FOR THE COMPANY		APPROPRIATION OF THE TECHNICAL AREA		APPROPRIATION OF THE SITUATION		STATE OF INNOVATION IN RELATION TO THE STATE OF EXISTING TECHNOLOGY		STATE OF CLASSIFICATION IN INNOVATION PROJECTS		APPROPRIATION OF YEARS ENVISAGED		OTHER OBSERVATIONS		CONCLUDING											
No.	NAME OF THE PROJECT AND RESPONSIBLE PERSON	DURATION (YEARS)	INVESTMENT OR EXPENSES ARRANGED DURING THE PERIOD 1972/1973	THE PROJECT HAS A TECHNICAL DEVELOPMENT ASPECT		FIRM	TECHNICAL	DEGREE OF INNOVATION OF THE PROJECT		ADDITIONAL PRE-ACTION TO ACCELERATE PRODUCTION		THE HIGHLIGHTS OF THE PROJECT		INNOVATION OF THE PROJECT		THE STATE OF EXISTING TECHNOLOGY		THE STATE OF INNOVATION IN RELATION TO THE STATE OF EXISTING TECHNOLOGY		THE STATE OF CLASSIFICATION IN INNOVATION PROJECTS		APPROPRIATION OF YEARS ENVISAGED		OTHER OBSERVATIONS		CONCLUDING											
				YES	NO			YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
13.01	Development of offshore energy sources under water	3	2,441,000	70	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				
14.01	Concreting	1	1,144,000	70	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				
14.02	Rearing system for the placing of concrete offshore structures	2	150,000	small	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				
14.03	Underwater storage and associated structures	3	2,000,000	(1)	70	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				
14.04	Construction of consolidated reservoirs of large capacity	3	1,500,000	small	70	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				
14.05	Development of an offshore production tank	6	20,000	70	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				
14.07	System for storage tank monitoring	3	815,000	70	70	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	<u>REVIEWED</u>																																				

(1) Reduced amount proposed by the Contractor (1,000,000 - 2,000,000)

