

PRODUCTION DEPARTMENT

Received 26/8-75

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SIR ROBERT MC ALPINE & SONS, LTD.

B17 30/8

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ELF NORGE A/S

FRIGG FIELD

TREATMENT PLATFORM N° 1

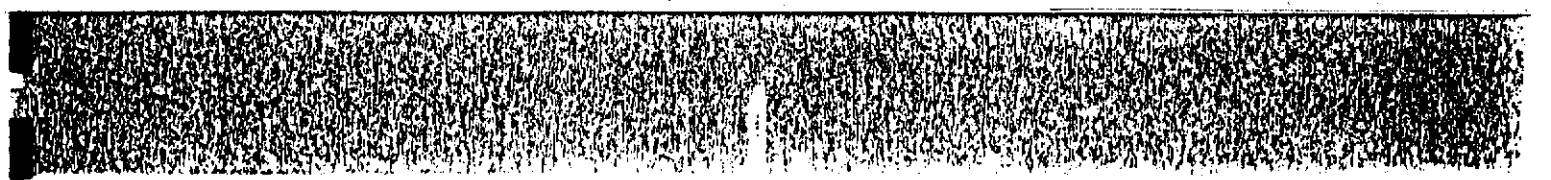
TP1

MONTHLY REPORT

N°16

TP1-A-205-9 - SCF 010

20 MAY 1975



ELF-NORGE FRIGG TREATMENT PLATFORM N°1

CONTRACTOR'S MONTHLY REPORT N°16

TO 20TH MAY, 1975

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SECTION 1 - DESIGN PROGRESS REPORT

TO 20TH MAY, 1975

I DESIGN PROGRESS REPORT

Temporary Works & Construction Facilities

Section of Work	Percentage Complete		Comments
	Engineering	Drafting	
<u>TEMPORARY WORKS</u>			
Items 1-15 - 100% Complete			
<u>CONSTRUCTION FACILITIES</u>			
20. Sheet Pile Sea Wall	100	100	
21. Basin Excavation	100	100	
22. Basin Well Pointing	100	100	
23. Tower Crane Erection	100	100	
24. Slipform Shutters to Caisson Walls	100	100	
25. Concrete Placing Booms	100	100	
26. Causeway to Floating Jetty	100	100	
27. Floating Jetty	100	100	
28. Offshore Moorings	100	100	
29. Sea Wall Removal & Dredging	100	100	
30. Tow Out and Moor	100	100	
31. Connect Services after Tow Out	100	100	
32. Slipform Shutters to Columns	100	100	
33. Construction Hoists to Columns	95	95	
34. Dismantle Tower Cranes	90	85	
35. Clear Platform for Tow	0	0	
36. Connect Tugs and Slip Moorings	0	0	

SECTION II - SITE PROGRESS REPORT

ELF-NORGE FRIGG TREATMENT PLATFORM NO. 1
CONTRACTOR'S MONTHLY PROGRESS REPORT NO. 16

TO 20TH MAY, 1975

II SITE PROGRESS REPORT

(A) GENERAL REPORT

1. General Comment

Construction of the platform has continued satisfactorily.

Slip forming of the caisson walls was completed up to the underside of roof level on 1st May, and preparations are well advanced for thickening of the base slab.

The first caisson roof shutter unit was lifted into position by barge crane on 20th May.

2. Photographs

An aerial photograph of the platform, taken on 19th May, is included at the end of this Report.

3. Weather

Apart from a few blustery days with showers during the last week in April and the first week in May, the weather has been mainly dry with light to moderate winds.

4. Labour

Details of the effective labour strength during the month are given in Part (C) of this Section.

5. Plant & Equipment

Details of the principle items of plant being used on construction of the Elf Platform and its associated works are included in Part (D) of this Section.

6. Temporary Works

(a) Camp

Work has continued on Phase III extension to the Camp. One more dormitory block has been completed and occupied, and installation of services and fittings in the remaining four is nearing completion. It is expected that these units will be available for use by the end of May.

(b) Caisson Roof Fabrication Area

Sufficient area has been surfaced to allow fabrication of all outstanding roof shutter units to proceed.

Cont'd/....

II SITE PROGRESS REPORT (Cont'd)

(A) GENERAL REPORT

6. Temporary Works (Cont'd)

(c) Caisson Cell Roof Shutter Units

Of the 12 No. units required, 8 No. have been completed and fabrication of a further 2 No. units is well advanced.

7. Platform

Slip forming of the caisson walls, up to the underside of roof level, was completed on 1st May.

Since then work has been in progress on removal of the slip form shuttering, fixing of roof shutter support brackets and preparations for thickening of the base slab.

The first section of caisson roof shuttering was lifted into position by barge crane on 20th May.

8. Materials

During the month delivery of bulk materials and built-in items has been satisfactory.

9. Programme

Progress is currently being monitored against a detailed programme issued on 15th May, 1975. This covers work to be done in the period up to the end of August, 1975.

TO 20TH MAY, 1975

II SITE PROGRESS REPORT (Cont'd)

(B) PROGRESS SCHEDULE

1. Temporary Works & Construction Facilities

Section of Work	Percentage Complete		Progress for Month (Percent -age)	Comments
	Programmed	Actual		
<u>TEMPORARY WORKS</u>				
1. Office Accommodation				
(a) McAlpine	100	100	-	
(b) Sea Tank	100	100	-	
(c) Shell	100	100	-	
2. Camp Accommodation				
(a) Phases I & II	100	100	-	
(b) Phase III	100	95	10	
3. (a) Canteen	100	100	-	
(b) New Main Site Canteen	100	100	-	
(c) Extension to Camp Canteen	100	100	-	
4. Site Water Supply	100	100	-	
5. Electricity Supply to Site	100	90	-	Main incoming supply to be upgraded from 11,000 volts to 33,000 volts
6. Telephones	-	78	4	39 No. lines are now in use on the Site. The G.P.O. are taking steps to make 50 lines available
7. Site Foul Drainage	100	100	-	
8. Wharf	100	100	-	
9. Auxiliary Concrete Batcher	100	100	-	
10. Main Concrete Batcher	100	100	-	
11. Concrete Mix Approval	100	100	-	

Cont'd/....

II SITE PROGRESS REPORT (Cont'd)

(B) PROGRESS SCHEDULE

1. Temporary Works & Construction Facilities

Section of Work	<u>Percentage Complete</u>		Progress for Month (Percentage)	Comments
	Programmed	Actual		
<u>TEMPORARY WORKS</u> (Cont'd)				
12. Reinforcement Yard	100	100	-	
13. Joiners Shop	100	100	-	
14. Fitters Shop	100	100	-	
15. Prestressing Store	100	100	-	

ELF-NORGE FRIGG TREATMENT PLATFORM NO. 1

CONTRACTOR'S MONTHLY REPORT NO. 16

TO 20TH MAY, 1975

II SITE PROGRESS REPORT (Cont'd)

(B) PROGRESS SCHEDULE

1. Temporary Works & Construction Facilities (Cont'd)

Section of Work	Percentage Complete		Progress for Month (Percentage)	Comments
	Programmed	Actual		
<u>CONSTRUCTION FACILITIES</u>				
20. Sheet Pile Sea Wall	100	100	-	
21. Basin Excavation	100	100	-	
22. Basin Well Pointing	100	100	-	
23. Tower Crane Erection	100	100	-	
24. Slipform Shutters to Caisson Walls	100	100	-	
25. Concrete Placing Booms	100	100	-	
26. Prepare Floating Jetty	100	100	-	
27. Prepare Offshore Moorings	100	100	-	
28. Sea Wall Removal & Dredging	100	100	-	
29. Tow Out and Moor	100	100	-	
30. Connect Services after Tow Out	100	100	-	
31. Slipform Shutters to Columns	-	-	-	
32. Construction Hoists to Columns	-	-	-	
33. Dismantle Tower Cranes	-	-	-	
34. Clear Platform for Tow	-	-	-	
35. Connect Tugs & Slip Moorings	-	-	-	

ELF-NORGE FRIGG TREATMENT PLATFORM NO. 1

CONTRACTOR'S MONTHLY REPORT NO. 16

TO 20TH MAY, 1975

II SITE PROGRESS REPORT (Cont'd)

(B) PROGRESS SCHEDULE

2. Permanent Structure

Section of Work	Percentage Complete		Progress for Month (Percent -age)	Comments
	Programmed	Actual		
1. Precast Skirt Sections				
(a) Make	100	100	-	
(b) Place	100	100	-	
2. Caisson Base Slab 0.50m	100	100	-	
3. Prestress Base Slab	100	100	-	
4. Vent Pipework	-	100	13	
5. Grouting Pipework	-	37	3	
6. Piezometer Pipework	-	40	3	
7. J-Tubes	-	* 90	-	*90% of McAlpine work complete. Risers in columns by Messrs. Brown & Root
8. Sea Bed Riser Tunnels	-	100	5	
9. Immersion Pipework	-	3	-	U.I.E.
10. Caisson Dwarf Walls	100	100	-	
11. Caisson Walls in Basin	100	100	-	
12. Complete Fillet in Basin	100	100	-	
13. Caisson Walls at Moorings	100	100	38	
14. Complete Base Slab	23	8	8	
15. Caisson Ballast Concrete	-	-	-	
16. Construct Columns (2 No.)	-	-	-	
17. Prestress & Grout Columns	-	-	-	
18. Caisson Roofs	-	-	-	
19. Immersion Module & Cabling	-	-	-	

ELF-NORGE FRIGG TREATMENT PLATFORM NO. 1

CONTRACTOR'S MONTHLY REPORT NO. 16

TO 20TH MAY, 1975

II SITE PROGRESS REPORT

(C) LABOUR REPORT

The effective Labour strength, taken as the average of the totals on each Wednesday of the month was as follows:-

McAlpine Labour

	<u>Elf</u>	<u>Ardyne Point</u>
Steelfixers (including S/Fixer Labourers)	57	24
Joiners (including Joiner's Labourers)	48	47
General Labourers	108	101
Other Trades	<u>74</u>	<u>325</u>
	<u>287</u>	<u>497</u>

NOTES :

1. Elf numbers are averages of men employed on the construction of the Elf Platform.
2. Ardyne Point numbers are averages of men engaged upon completing, running and maintaining the Site facilities for the benefit of all Platforms under construction at Ardyne Point.

Sub-Contractor's Labour on Site at the 20th of the month

Kockum	3
Tyers Welding	1
Sterling Construction	18
Terrapin	27
H.G.S. Limited	50
Findlay	21
Kilpatrick	20
Fox Diving	7
Beaver Cleaners	18
Foremost	28
Sportsworks	1
United Towing	19
Risdon Beazley Marine	<u>7</u>
	<u>220</u>

ELF-NORGE FRIGG TREATMENT PLATFORM NO. 1

CONTRACTOR'S MONTHLY REPORT NO. 16

TO 20TH MAY, 1975

II SITE PROGRESS REPORT

(D) PLANT REPORT

Plant Return for major items of equipment in effective use.

<u>Crawler Cranes/Excavators</u>	1 No. Manitowac
	2 No. NCK 1405
	1 No. NCK 605
	2 No. Priestman Lion III A
	1 No. NCK Rapier 305
	1 No. 400 Ton Barge Crane
<u>Back Actor Excavators</u>	1 No. $\frac{5}{8}$ cy. Hydraulic Excavators
	1 No. 1 cy. " "
	1 No. $\frac{1}{2}$ cy. " "
<u>Crawler Tractor/Dozers</u>	2 No.
<u>Tracked Shovel Loaders</u>	3 No.
<u>Wheeled Tractors</u>	3 No.
<u>Wheeled Shovel/Excavators/Loaders</u>	3 No.
<u>Dumptrucks</u>	8 No.
<u>8 Ton Mobile Cranes</u>	1 No.
<u>Truckcretes</u>	4 No.
<u>Dumpers</u>	4 No.
<u>Concrete Batcher</u>	1 No. Winget 2x2cy. (Batcher No. 1)
	1 No. Winget 2x1cy. (Batcher No. 2)
<u>Tower Cranes</u>	1 No. Record 646E (Reinf. Yard)
	4 No. Record 764CDM (Elf Platform)

Also, Generators, Welding Sets, Lighting Sets, Concrete Vibrators, Mobile Concrete Mixers, Pumps, Transport Vehicles, Air Compressors, Piling Hammers and Extractors, Fuel and Water Bowers, Chainsaws, Saw Benches, Boilers, Transformers, Battery Charger, Grabs, Rollers, Reinforcement Cutting and Bending Machines, Storage Tanks, Aggregate Screening Plant, Mobile Toilets, Boats, Aggregate Hoppers, Coaches, pontoons, Cement Silos, Concrete Pumps, Concrete Placing Booms, Cement Tankers, Road Cleaner Wagon.

SECTION III - PROCUREMENT PROGRESS REPORT

ELF-NORGE FRIGG TREATMENT PLATFORM NO. 1

CONTRACTOR'S MONTHLY REPORT NO. 16

TO 20TH MAY, 1975

III PROCUREMENT PROGRESS REPORT

(A) BULK ITEMS

MATERIAL	ORDER PLACED	TOTAL QUANTITIES DELIVERED		QUANTITY DELIVERED FOR MONTH	COMMENTS
		SCHEDULED TO MEET CONSTRUCTION PROGRAMME	ACTUAL		
Concrete Aggregate	15/1/74	39960 tonnes	64000 tonnes	3640 tonnes	
Concrete Sand	15/1/74	25000 tonnes	40680 tonnes	7580 tonnes	
Cement	7/1/74	14319 tonnes	14319 tonnes	3336 tonnes	See Note 1
Reinforcement		5310 tonnes	5483 tonnes	NIL	Delivery Complete

NOTE :

1. Cement called forward to suit consumption and storage space.

TO 20TH MAY, 1975

III PROCUREMENT PROGRESS REPORT (Cont'd)

(B) FABRICATED & BUILT-IN ITEMS

NOTE : Items noted in previous Reports as having been received are not listed below.

Item	Order Placed	Fabrication	Delivery Required	Delivery Made	Comments
<u>Caisson Walls at Jetty</u>					
Vent-fix Frames & Plates	3016/NE/223 (14/3/75)	Avingrade Eng. Ltd.	2/4/75	27/3/75 &	Delivery complete
Threaded Couplers	3016/NE/227 (20/3/75)	C.C.L. Systems Ltd.	20/4/75	7/4/75	
Vent-fixings Plates for Safety Device	3016/NE/245 (10/4/75)	G.G.N. Reid Glasgow	17/4/75	11/4/75	Delivery complete
<u>Ringbeam</u>					
Steel Plates	3016/NE/253 (22/4/75)	F. & E. Metals Ltd.	6/5/75	5/5/75	Delivery complete
<u>Caisson Roofs</u>					
Plates for Instrumentation	3016/NE/259 (7/5/75)	F. & E. Metals Ltd. Glasgow	26/5/75		
Sockets Type 17	3016/NE/262 (7/5/75)	Avingrade Eng. Ltd.	19/5/75		
2" dia. M.S. Screwed Pipe (for Vent Pipework)	3016/NE/256 (1/5/75)	Thomas Graham Glasgow	20/5/75	7/5/75	100 No. 2" dia. straight couplings outstanding
Types 24 & 30 M.S. Fixing Sockets	3016/NE/264 (7/5/75)	G.J.N. Reid Bros.	26/5/75		
Towing Point Protection Plates	3016/NE/263 (7/5/75)	F. & E. Metals Ltd.	9/6/75		
Plates	3016/NE/271 (20/5/75)	Hutsons Ltd. Glasgow	8/6/75		

Cont'd/....

III PROCUREMENT PROGRESS REPORT (Cont'd)

(B) FABRICATED & BUILT-IN ITEMS

Item	Order Placed	Fabrication	Delivery Required	Delivery Made	Comments
<u>Cont'd</u> M.S. Vent Pipe Protection Sleeves	Reqn. C60/27 (9/5/75)		8/6/75		

SECTION IV - PHOTOGRAPHS



75/373/7

ELF PLATFORM FROM SOUTH WEST

19. 5. 75.