

S-2088  
OCS-G-5611

In Reply Refer To: FO-2-1

March 23, 1988

Kerr-McGee Corporation  
Attention: Mr. C. V. Bradford  
Post Office Box 39400  
Lafayette, Louisiana 70593-9400

Gentlemen:

Reference is made to your Supplemental Plan of Exploration received March 9, 1988, for Lease OCS-G 5611, Block 197, South Timbalier Area. This plan includes the activities proposed for Well No. 2.

In accordance with 30 CFR 250.34, revised December 13, 1979, and a letter dated January 29, 1979, this plan is hereby determined to be complete and is now being considered for approval.

Your plan control number is S-2088 and should be referenced in your communication and correspondence concerning this plan.

Sincerely yours,

(Orig. Sgd.) A. Donald Giroir

For

D. J. Bourgeois  
Regional Supervisor  
Field Operations

bcc: Lease OCS-G 5611 (OPS-3-2) (FILE ROOM)  
OPS-3-4 w/Public Info. Copy of the plan and ER (PUBLIC RECORDS)

Williamson:cck:03/11/88:poecom



**KERR-McGEE CORPORATION**

P.O. BOX 39400 • LAFAYETTE, LOUISIANA 70593-9400

March 3, 1988

EXPLORATION AND PRODUCTION DIVISION

PHONE

318 988-7000

U.S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico Region  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394



Attention: Regional Supervisor  
Rules and Production

RE: Initial Plan of Exploration  
OCS-G 5611 Well No. 2  
South Timbalier Block 197

Gentlemen:

This Supplemental Plan of Exploration for South Timbalier Block 197, Lease OCS-G 5611 for the drilling of one well and installation of associated well-protector platform is submitted for your approval.

1. The drilling of Well No. 2 is expected to begin during April 1, 1988. It is estimated that it will take approximately six weeks to drill and if no unexpected delays are encountered, should be completed by mid-May, 1988.

Well No. 2 will be drilled as a directional hole from a surface location of 1535' FNL and 5078' FEL of South Timbalier Block 197 to a bottom hole location of 5271' FNL and 1269' FEL of South Timbalier Block 197.

This location

is indicated on the location plat attached.

2. A jack-up drilling unit, similar to Transworld Rig 62, will be utilized to drill the No. 2 Well. A description of the rig and features pertaining to pollution prevention and control is enclosed.
3. The Archaeological Survey for South Timbalier Block 197 was approved October 6, 1983.
4. Onshore base operations will be conducted from our Morgan City base located in Morgan City, Louisiana. There will be no significant impact on the onshore support facilities as a direct result of the drilling of Well No. 2.
5. The Oil Spill Contingency Plan was approved by your office January 7, 1988.
6. The proposed activity complies with Louisiana's approved Coastal Management Program and will be conducted in a manner consistent with the program.

**PUBLIC INFORMATION**

7. Enclosed are copies of the following information:

- a. Location Plats
- b. Structure Map
- c. Abnormal Pressure Map
- d. Shallow Hazard Report
- e. Profiles 19, 20, 21 and 35
- f. Conclusions and Recommendations
- g. List of mud components and additives
- h. Vicinity Map
- i. Air Quality Emissions Schedule
- j. Rig Specifications

Kerr-McGee Corporation is a member of Clean Gulf Associates. The base facilities to be utilized in the event of a spill is located in Morgan City, Louisiana. Deployment time is approximately 12 hours.

Kerr-McGee Corporation plans to develop this lease with a minimum number of surface structures, which will be determined as exploratory drilling takes place. If the wells are plugged and abandoned, the work shall be done in accordance with OCS Order No. 3 "Plugging and Abandonment of Wells." Should the wells be temporarily abandoned with casing stubs, the stubs shall be marked in accordance with Coast Guard regulations. The wells will then be reported on the semi-annual report of Subsea Casing Stubs to the District Supervisor.

It is understood that the wells shall not be produced until it can be demonstrated by additional drilling and/or geological and engineering data that it is needed for proper production of the lease, and until final approval of a production platform is obtained.

Kerr-McGee Corporation will drill Well No. 2 according to regulations as set forth in the OCS Order No. 2, effective January 1, 1980.

Kerr-McGee Corporation is of the opinion that all information supplied in this communication will be exempt from disclosure under the "Freedom of Information Act" (5 U.S.C. 522) and implementing regulations (43 CFR Part 2).

It is believed that the data in this communication and its attachments provide the information required by 30 CFR 250.34. Therefore, it is respectfully requested that this Plan of Exploration be considered as soon as possible since drilling operations are to commence during April 1, 1988.

MINERALS MANAGEMENT SERVICE  
INITIAL POE (OCS-G 5611 No. 2)  
MARCH 2, 1988  
PAGE 3

Should you have any questions, or if additional information is required, please contact Ray Pitre at Kerr-McGee Corporation's Lafayette Regional Office.

Very truly yours,

KERR-McGEE CORPORATION



C. V. Bradford  
Manager - Engineering Services

RJP:ms

Enclosures

xc: U.S. Department of the Interior  
Minerals Management Services  
Houma District  
P. O. Box 37  
Bourg, Louisiana 70343-0037

PUBLIC INFORMATION

SHIP SHOAL AREA  
SOUTH TIMBALIER AREA

196

$50^{\circ}03'35''W$  209,325.79'  
From USC & GS Mon. "PELTO"

Kerr McGee Corporation  
O.C.S. - G - 5611

No. 2 Prop. Surf. Loc'n

X = 2,196,968.02'  
Y = -69,406.54'  
Lat.  $28^{\circ}28'27.747''$   
Long.  $90^{\circ}43'13.614''$

WEST 5078'

1537'

SOUTH 5271'

No. 2 Prop. BHL

X = 2,200,777.02'  
Y = -73,140.54'

8H WEST  
1269'

235

BLK. 197

198



215

## PUBLIC INFORMATION

I hereby certify that the above proposed surface location is correct.

*Robert J. Champagne*

Registered Professional Land Surveyor No. 309

State of Louisiana

John E. Chance & Associates, Inc.

KERR MCGEE CORPORATION

O.C.S. - G - 5611

NO. 2

PERMIT PLAT

SOUTH TIMBALIER AREA

SCALE: 1" = 2000'

2/25/88

DETAILED LIST OF DRILLING MUD COMPONENTS AND MUD ADDITIVES

1. Bulk Barite/Sack Barite (Weight Material)
2. Gel (Bentonite)
3. Caustic (Sodium Hydroxide)
4. Sodium Bicarbonate
5. CLS (Lignosulfonate)
6. Lignite
7. Aluminum Stearate
8. Sodium Chromate
9. Soda Ash
10. Lime
11. Resinex/Tem-Flo C (High Temperature Fluid Loss Agent)
12. Soltex (Asphalt Based Fluid Loss Agent)
13. HEC (Polymer Viscosifier)
14. Drispac (Polymer Viscosifier, Fluid Loss Agent)
15. DD (Drilling Detergent)
16. Stickless/Torqueless (Glass Beads)
17. Morrex (Grain By-Product)
18. Starch
19. Mica (Lost Circulation Material - LCM)
20. Nut Plug (Ground Walnut Shells)

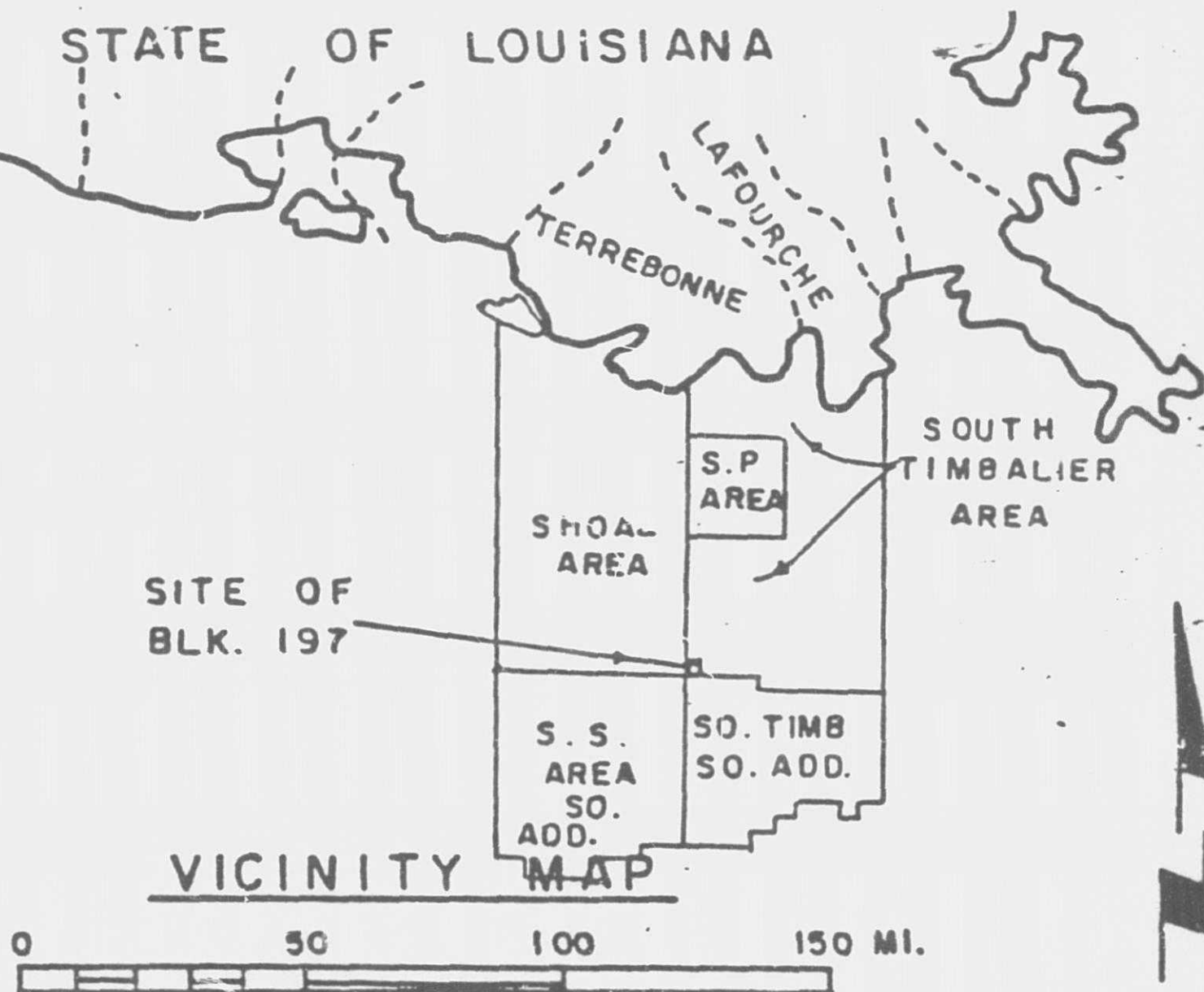
SPECIALTY MUD PRODUCTS FOR STUCK PIPE APPLICATIONS

1. Black Magic/SFT (Sacked Fishing Tools)
2. Pipe Lax/Oil Faze

PUBLIC INFORMATION



PUBLIC INFORMATION



COMPANY: Kerr-McGee Corporation

RIG OR PLATFORM: Transworld Rig #62

LOCATION: South Timbalier Block 197  
OCS-G 5611 Well No. 2

DATE: March 3, 1988

## EMISSION DISCHARGE SUMMARY

PROCESS	PART	TONS EMITTED PER YEAR				UNITS
		SO <sub>X</sub>	NO <sub>X</sub>	HC	CO	
POWER SOURCES						
Rig Power Units (Total)	67.0	62.4	938.0	75.0	204.0	2000 Gals. Burned
Distillate Oil (Diesel)						
Reciprocating						
PROCESS EQUIPMENT						
TRANSPORT SOURCES						
Helicopter-Kerosene/						
Naptha (Jet Fuel) &						
Turbine	.14	.174	1.90	.156	.131	28 Gals. Burned
Reciprocating	2.68	2.49	37.5	3.00	8.16	80 Gals. Burned
TOTAL LBS/DAY	69.82	65.1	977.40	78.2	212.3	
TOTAL LBS/YEAR	25,484	23,762	356,751	28,543	77,489	
TOTAL TONS/YEAR	12.7	11.9	178.4	14.3	38.7	

PUBLIC INFORMATION



EXEMPTION SUMMARY

Transworld Rig 62

36.6 MILES FROM SHORE

EXEMPTION FORMULA

$$\begin{aligned} E &= 33.3 \cdot D \\ E &= 33.3 \times 39.6 \text{ Miles} \\ E &= 1,319 \text{ Tons/Years} \end{aligned}$$

Projected Emissions

Part - 12.7 Tons/Years  
 $\text{NO}_x$  - 178.4 Tons/Years  
HC - 14.3 Tons/Years  
 $\text{SO}_x$  - 11.9 Tons/Years

EXEMPTION FORMULA

$$\begin{aligned} E &= 3400 \cdot D^{2/3} \\ E &= 3400 \cdot 39.6^{2/3} \\ E &= 3400 \times 11.6 \\ E &= 39,440 \text{ Tons/Years} \end{aligned}$$

Project Emissions

$\text{CO}$  = 38.7 Tons/Years

PUBLIC INFORMATION



# RIG 62

## TRANSWORLD DRILLING COMPANY

### TYPE

Self-elevating jack-up.

### DRAW WORKS

Continental Emsco Model C-3 Type II, driven by two EMD D-79 DC electric motors, with Elmagco 7838 electric brake.

### RIG POWER

Three General Motors EMD 12-645 diesel engines, each rated at 1,650 HP and each driving an EMD A-20-T6 AC generator, with SCR rig-drive system.

### MUD PUMPS

Two Continental Emsco FB-1600, 7" x 12", 1,600-HP Triplex pumps, each driven by two EMD D-79 DC electric motors, with 5" x 6" centrifugal supercharging pumps.

### DERRICK

Continental Emsco 147' x 30' base, with 1,400,000-lb. API capacity or 1,050,000-lb. hook-load capacity.

### STRING-UP

Provision for stringing 12 1/2" lines.

### DRILL STRING

Per agreement.

### ROTARY TABLE

Continental-Emsco T-3750 driven by an EMD D-79, DC electric motor.

### BLOWOUT PREVENTERS

13 5/8" — stack consisting of one 5,000-psi WP Hydril GK BOP, one Cameron Type "U" single ram, and one Cameron Type "U" 10,000-psi WP double ram BOP.  
21 1/4" — 2,000-psi WP Hydril MSP annular preventer.

### MUD MIXING

Two 5" x 6" centrifugal pumps, each driven by a 60-HP AC motor.

### MUD TANKS

1,500-barrel active capacity, with electric-drive agitators.

### DESANDER EQUIPMENT

Eight 8" cones supplied by a centrifugal pump.

### DESILTER EQUIPMENT

16 4" cones supplied by a centrifugal pump.

### DRY-MUD STORAGE

Three 1,360-cu.-ft. and two 1,250-cu.-ft. pneumatic storage tanks. Additional space for 3,000 sacks of material.

### CEMENTING UNIT

Dowell R-622-TJ.

### LOGGING UNIT

Standard offshore unit.

### PERSONNEL QUARTERS

Air-conditioned accommodations for 80 persons.

### ELECTRIC POWER

Two 750-KVA transformers supply 480-volt, AC power from main rig generators for auxiliary service.

### MATERIAL-HANDLING EQUIPMENT

Unit Mariner Model 750 crane with 24-ton capacity at 30' radius.

Clyde Model CP-S-96-100-10 crane with 40-ton capacity at 60' radius.

### HELIPORT

Adequate for Sikorsky S-61N helicopter.

### LIQUID STORAGE CAPACITY

5,000 barrels drill water, 900 barrels potable water, 84,000 gallons diesel fuel.

### LOADING INFORMATION

Maximum combined deck-and-liquid load during normal moves — 1,100 tons.

Maximum variable load while in drilling position — 2,500 tons.

### CLASSIFICATION

Classed by American Bureau of Shipping as A-1 Self-Elevating Drilling Unit.

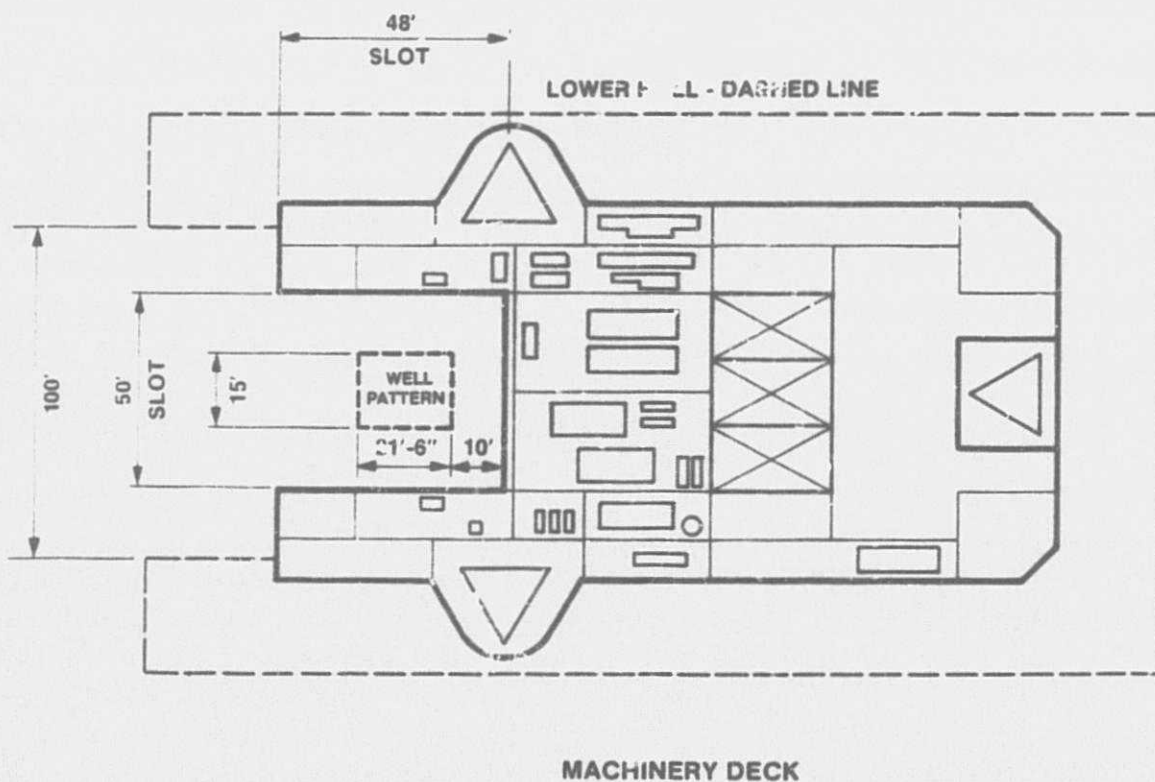
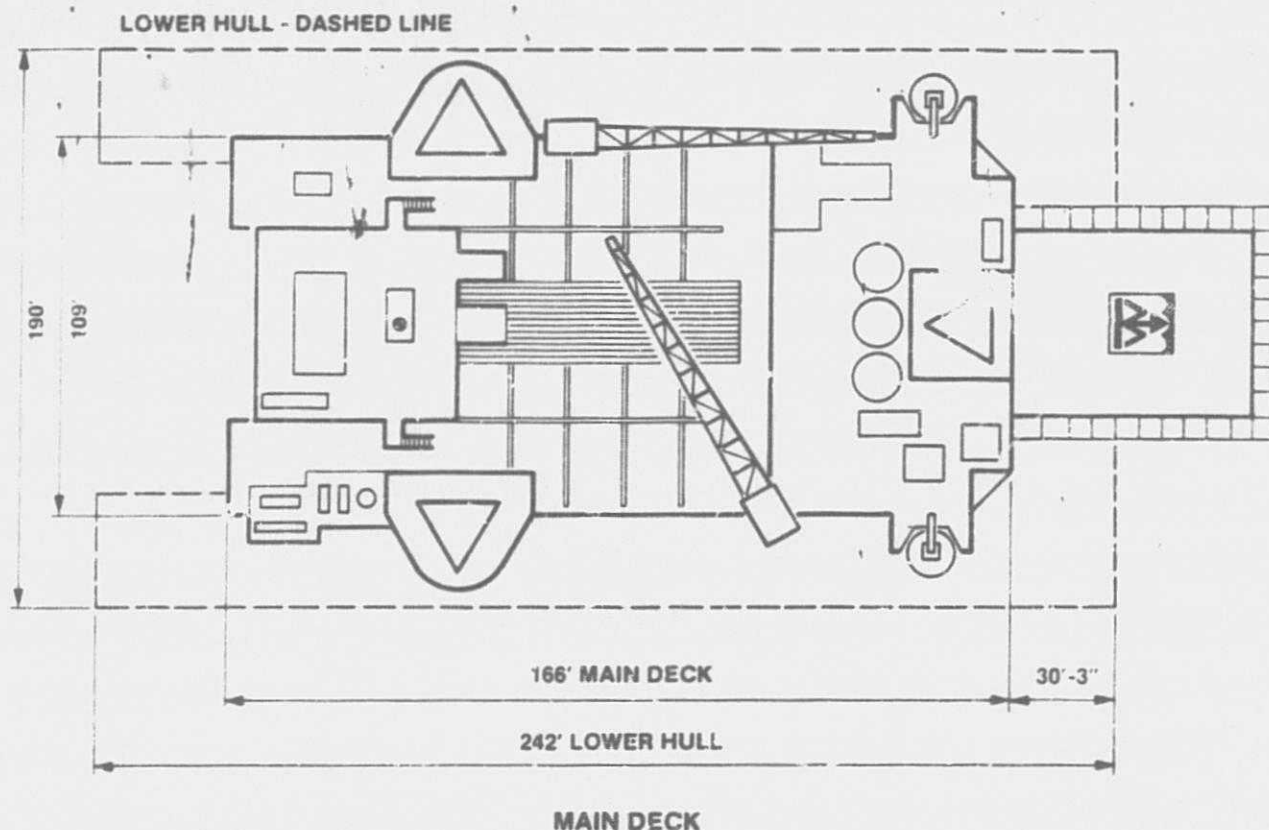
### LIFESAVING EQUIPMENT

One power rescue boat.

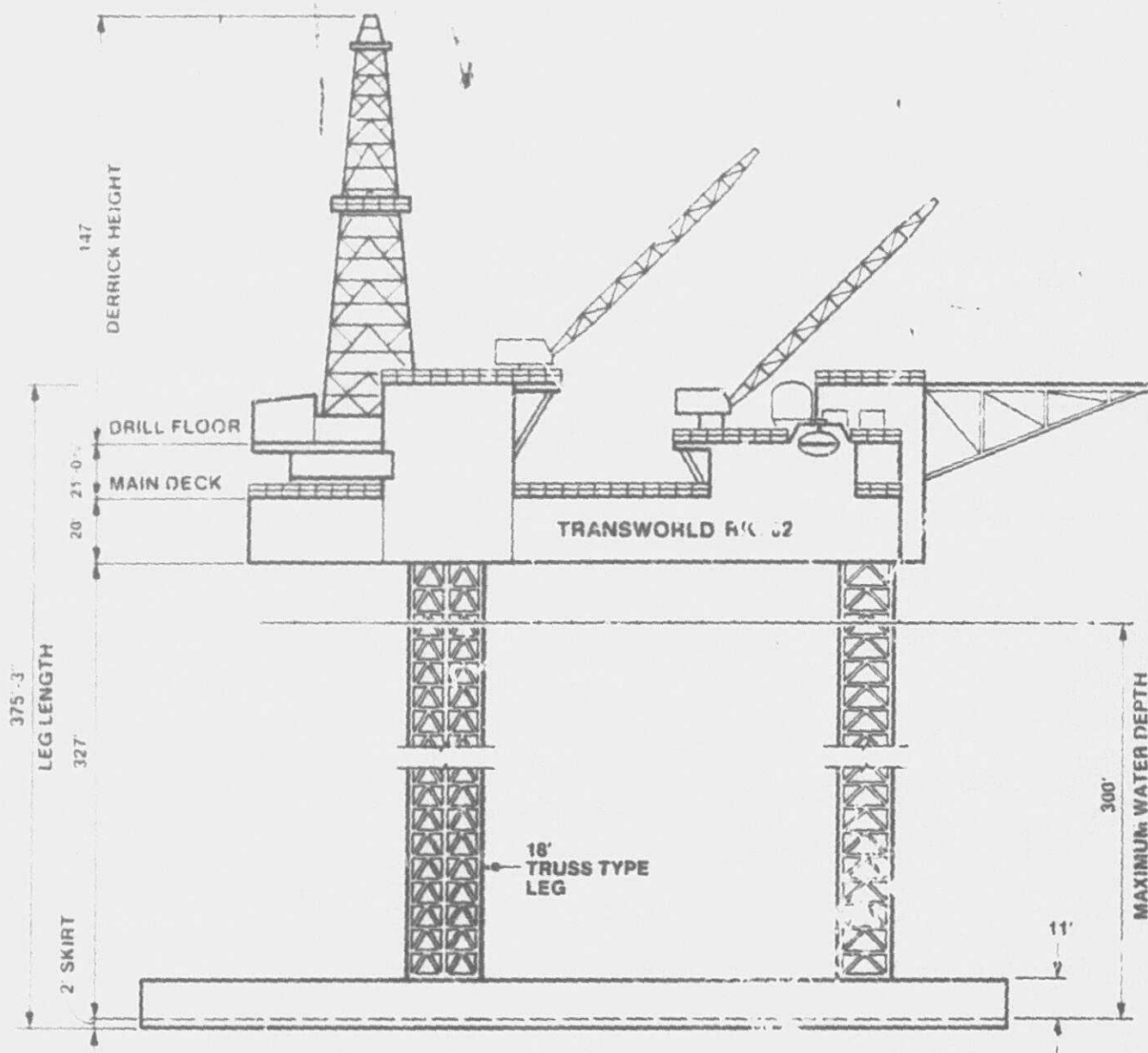
Four 20-person life rafts.

Two 34-person survival capsules.

## PUBLIC INFORMATION



PUBLIC INFORMATION



ELEVATION

PUBLIC INFORMATION