OCS-G-3164
8-1269

In Reply Refer To: RP-2-1

JAN 5 1984

ODECO Oil and Gas Company
Attention: Mr. E. S. Breda
Post Office Box 61780
New Orleans, Louisiana 70161

Gentlemen:

Reference is made to your Supplemental Plan of Development/Production received December 30, 1983, for Lease OCS-G 3164, Block 135, Ship Shoal Area. This plan includes the activities proposed for an addition to the A platform and a pipeline.

In accordance with 30 CFR 250.34, revised December 13, 1979, and our letter dated January 29, 1979, this plan has been determined to be complete as of January 9, 1984, and is now being considered for approval.

Your plan control number is S-1269 and should be referenced in your communication and correspondence concerning this plan.

Sincerely yours,

CB

(Orig. Sgd.) D W Solanas

Noted D. Arcana

D. W. Solanas
Regional Supervisor
Rules and Production

bcc: Lease OCS-G 3164 (OPS-4) (FILE 9004)
OPS-4 w/public info copy of the plan (Public Records)
OD-6

WWilliamson:kks:1/6/84 disk 3a

Office of Management Support
JAN 11 1984
Records Management

BEST AVAILABLE COPY

S-1269

TELEX: 58-4124
PHONE: 504-561-2811

ODECO

ODECO OIL & GAS COMPANY

ODECO BUILDING • 1600 CANAL STREET
MAIL TO: P.O. BOX 61780, NEW ORLEANS, LA. 70161

December 27, 1983

U. S. Department of the Interior
Minerals Managment Service
Area Office for Operation Support
P. O. Box 7944
Metairie, Louisiana 70011

Attention: Mr. D. W. Solanas

Reference: Supplemental Plan of Development
Ship Shoal Block 135
OCS-G-3164
Auxiliary Production Platform

Gentlemen:

Enclosed herewith are eleven sets of Supplemental for the above referenced area. We respectfully request that a speedy review be made to determine whether the plan is complete. Should additional data be required, please advise us immediately.

Every effort you extend in order to affect an early approval of this plan will be greatly appreciated.

Yours very truly,

E. S. Breda
Oil & Gas Supervisor

ESB/jab

Enclosures 11

cc: Minerals Management Service
Houma, LA/with Enclosure (1)

ODECO OIL & GAS COMPANY

SUPPLEMENTAL PLAN OF DEVELOPMENT

SHIP SHOAL BLOCK 135

OCS-G-3164 AUXILLIARY PRODUCTION PLATFORM

SUBMITTED BY: E. S. BREDA

E. S. BREDA
OIL & GAS SUPERVISOR

DATE: DEC 27 1983

INDEX

ODECO OIL & GAS COMPANY
SUPPLEMENTAL PLAN OF DEVELOPMENT

OCS-G-3194 LEASE

SHIP SHOAL BLOCK 135

I. GENERAL

In accordance with 30 CFR 250.34 revised December 13, 1979, this supplemental plan is being submitted. The OCS-G-3164 lease has an unmanned 4 pile production facility with a 6-5/8" gas/condensate pipeline tied into Tennessee Gas Transmission line in Ship Shoal Block 135. Four producing wells are flowing to the production facility and five additional development wells are approved to be tied to the facility.

II. THE PLAN

Add capacity to the existing production facility by setting a mat supported jack up drill barge "Ocean Liberty" adjacent to the 4 pile A platform production facility. The drilling equipment and derrick will be removed from the Ocean Liberty to provide room for additional separation equipment. The existing A platform will serve as a header platform for present and future flowline hookups. Coordinates of the present A platform and proposed location of the auxilliary platform (Ocean Liberty) is 2192' FNL and 7998' FEL of Ship Shoal Block 135. The living quarters on the Ocean Liberty can house up to 62 people. However plans are to house five people on a routine basis there.

Lay a 12" gas/condensate sale line from the existing A platform in Block 135 to Tetco's 12" pipline that will be layed from Ship Shoal Block 134 production facility and tied into Tennessee Gas 36" pipeline in Ship Shoal Block 120. (See modification of Plan of Development for Ship Shoal Block 134 dated December 15, 1983). The distance of this added pipeline will be approximately 1200'. The addition of this new sale line will provide two selling points at the A platform. The present 6-5/8" sale line which routes gas/condensate into Tenneco's 26" gas line and the proposed 12" line which will route gas/condensate via Tetco's line into Tennessee Gas 36" pipeline. Both of these sale points will be from a common separation source at the Ship Shoal Block 135 facility. The wet gas from both metering points will be routed into the same existing shore separation point-namely Tennessee Gas separation plant at Cocodrie (Part of the Bluewater system).

III. TENATIVE STARTING AND COMPLETION DATE FOR SETTING PLATFORM AND LAYING GAS CONDENSATE LINE

1. Estimated commencement date for setting auxilliary platform March 1, 1984.

2. Estimated commencement date for laying gas condensate line April 1, 1984.

3. Estimated completion date for gas condensate line April 3, 1984.

IV. OIL SPILL CONTINGENCY PLAN

Odeco Oil & Gas Company fulfills its oil spill contingency plan by being a member of Clean Gulf Associates, P. O. Box 51239, New Orleans, Louisiana 70501, an agency which handles clean up operations in the event of an oil spill. Fast Response Service can be obtained by calling Halliburton Services in Harvey, Louisiana (504) 366-1735

A. Estimated deployment of the equipment of this area is 9 hours.

B. Description of clean up equipment:

1. Fast Response System Model I consists of:

   a. Primary and auxiliary skid with 180 bbl. tank on each skid.
   b. One "Don Wilson" skimmer.
   c. One basket and one lot of Bennet oil boom section.
   d. Fire extinguisher

2. Fast Response Model II consists of:

   a. Section of floating oil boom
   b. Skimmer
   c. Outrigger
   d. Pump
   e. Two skid mounted storage tanks of 180 bbls.

3. High volume open sea skimmer (Hoss Barge)

4. Shallow water skimmer system

5. Auxiliary shallow skimmer and boom

6. Helicopter spray system (HUSS Units)

7. Waterfowl rehabilitation and bird scarers

8. Miscellaneous material

9. Radio Systems

V. FACILITIES

A. Production - At the existing "A" platform production facility, separation of condensate and gas takes place. After metering the gas and condensate are recombined and marketed by pipeline to Tennessee Gas separation plant at Cocodrie (Part of the Bluewater system). After separation inshore, the condensate is delivered to Tenneco Oil Company and gas is routed to Shell's Ysclosky plant for processing.

B. Additional facilities - In this plan we propose to add an auxiliary platform (Ocean Liberty) to provide additional room for production separation equipment and compressor. It will also provide living quarters personnel to operate the field.

VI. PERSONNEL

10 additional people (f er shift) will be added offshore. No additional pe le will be added on e.

VII. FUEL CONSUMPTION

A. Production Operatic s

1. One production boat routinely services production facility in Ship Shoal Block 135. The boat consumes approximately 30 bbls. diesel per day.

Operating days per year	365
(1 Boat x 30 bbls.)	x30
Consumption for year	10,950 BBLS.

2. Gas Consumption at entire Block 135 Facility will be 600 MCF/Day

Operating days per year	365
	x600
Gas Consumption per year	18,600

B. Pipeline lay barge consumer approximately 25 bbls diesel/day. Supply boat uses approximately 25 bbls. diesel per day.

	Boat	Lay Barge
Approx. days for laying flowline	15	15
Bbls/Day consumption	x2	x2
	30	30

VIII. SAFETY STANDARDS AND PROGRAMS

A. Production Facilities

All production facilities are constructed and installed to meet MMS and Coast Guard Standards for safety and protection of the environment.

A Safety and Training Department is maintained to continually monitor and train personnel in the condust of safe operations. Our training program emphasizes the adherence to existing MMS and environmental regulations.

Safety engineers monitor the operations for compliance with all safety standards. Safety meetings are held with the operating personnel to review these safety standards. Operational personnel attend schools for firefighting, first aid, and operations of special equipment, such as, cranes and safety devices used in the production of oil and gas.

IX. BASE OF OPERATION

A. Marine service to service production operations is provided from B.J. Dock in Dulac, Louisiana.

B. Air service (Helicopter) is provided from Houma, Louisiana.

X. SHALLOW HAZARDS SURVEY

A Multi Sensor Engineering Survey and Archeological Survey were conducted on the entire block by Decca Survey Systems, Inc. on August 12, 13, 1978, the results were forwarded to MMS on 5/2/83. There were 5 anomalies noted. All are unidentified and scattered randomly throughout the lease. This location is not within close proximity of these anomalies. This proposed platform is a mat supported jack up vessel and no penetration of sea bottom will take place. Location is also adjacent to existing "A" Platform. Therefore no shallow hazards evaluation is required.

XI. GASEOUS EMISSION DATA DURING PIPE LAYING OPERATION AND PLATFORM PLACEMENT

A. Emissions

1. Helicopters: Estimate 3 round trips in 3 days, two and one half hours per round trip = 9 hours operating time. Stated in (lb./day) Tons per 3 days, averaged to 3 days. See attached for emissions per hour of use.

   a. CO (.25) .00
   b. Hydrocarbon (.05) .00
   c. NO_x (1.10) .01
   d. SO_2 (7.10) .05
   e. Particules (.10) .00

2. Boats (crew) one (1) trip in 2 days at 5 hours per round trip = 5 hours. Stated in (lbs./days) Tons per 2 days, averaged to 2 days. See attached for emissions per hour of use.

   a. CO (24.93) .02
   b. Hydrocarbon (9.17) .01
   c. NO_x (115.13) .12
   d. SO_2 (7.70) .01
   e. Particules (8.43) .01

3. Supply Base - 30 ton crane. Estimated use in 2 days - 7 hours. Stated in (lbs./day) Tons/2 days. Averaged for 2 days. See attached for emmision per hour.

a. CO (12.57) .01
b. Hydrocarbon (1.17) .00
c. NO_x (30.60) .03
d. SO_2 (1.57) .00
e. Particules (1.67) .00

B. Exemptions: Distance from shore 24 statute miles.

1. Hydrocarbon, NO_x, SO_2, Particules 33.3 x 24 = 799.2 tons/365 days for each. or 799.2 x 4 = 3196.8 tons/365 days.

2. CO $(3400 \times 24)^{2}/^{3}$ or 1745 tons/365 days.

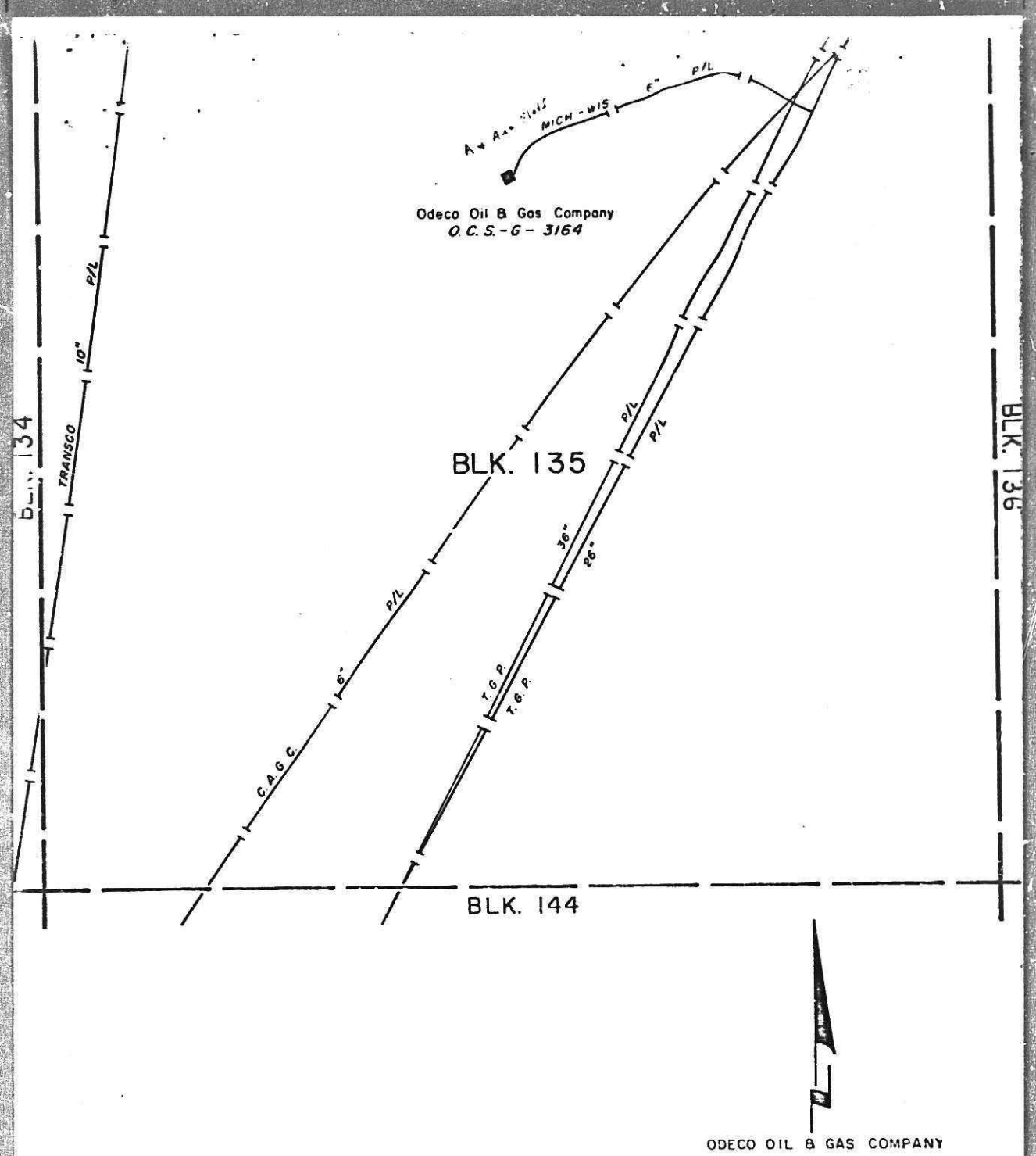
XII. ATTACHMENTS

A. Vicinity Map Block 135

B. Proposed Gas Cond. line plat.

C. Description of Ocean Liberty

D. Emission hourly rates for boats, helicopter, and crane



ODECO OIL & GAS COMPANY

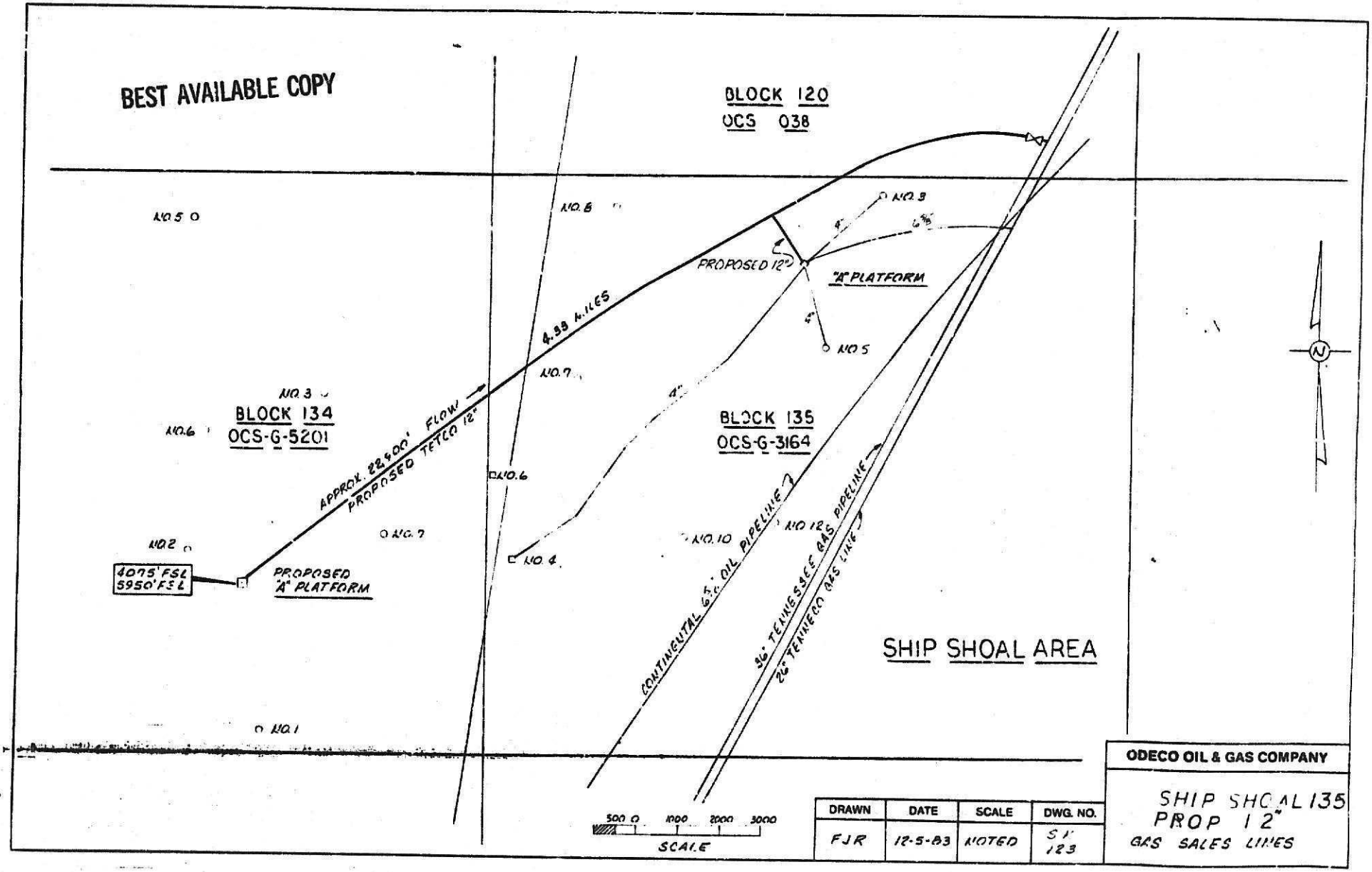
O.C.S.-G-3164 BLOCK 135

BASE MAP

SHIP SHOAL AREA

PREPARED BY JOHN E. CHANCE & ASSOCIATES, INC.

SCALE: 1" = 2000 01/22/82



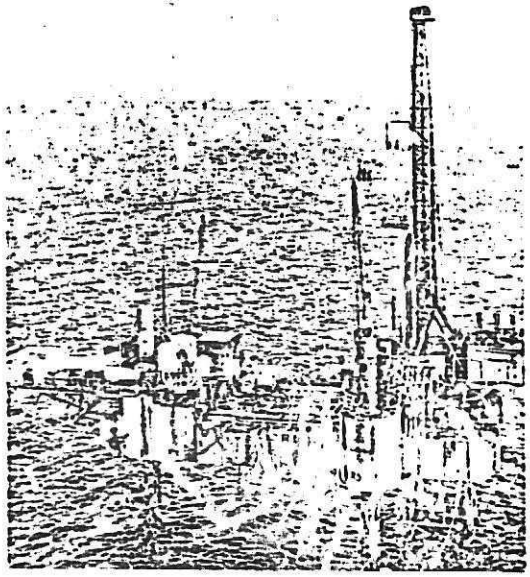
DRAWN	DATE	SCALE	DWG. NO.
FJR	12-5-83	NOTED	S1 123

ODECO OIL & GAS COMPANY

SHIP SHOAL 135
PROP 12"
GAS SALES LINES

OCEAN LIBERTY

BATHLE[illegible]AT SUPPORTED JACK-UP

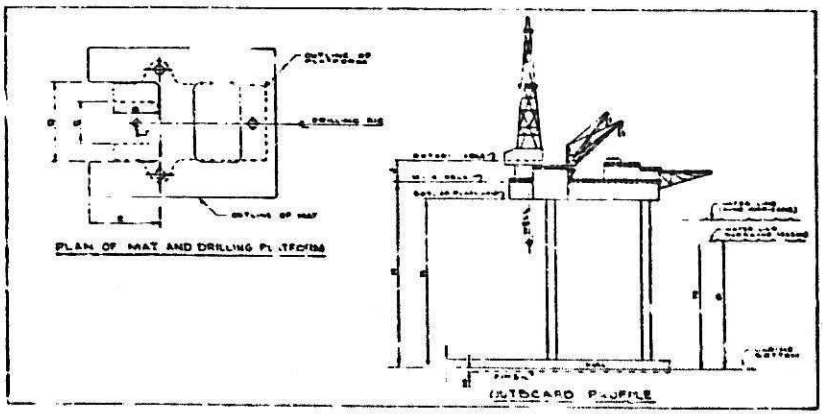


HARGE GATS

MAT ---------- – 170' Long x 108' Wide x 10' Deep with 2' scouring skirt. Slot in Mat is 80' Long x 60' Wide

PLATFORM ---- ------ Contains all living and working areas 142' Long x 64' Wide x 14' Deep. Slot in Platform is 42' x 40'

QUARTERS ------ ---- For 34 men



CLEARANCES & DIMENSIONS

	DIMENSIONS												OPERATING DEPTH		
	A	B	C	D	E	H	J	K	L	M	N	P	Normal	Hurricane Season	Minimum
Ocean Pioneer	14'	4[illegible]	40'	61'	67'	120'	16'	105'	10'	2'	70'	60'	80'	70'	20'

EQUIPMENT

- 1 — Lee C. Moore 136' mast w/620,000 pound capacity
- 1 — National 80 double drum drawworks powered by three (3) each GM 12V71 diesel engines.
- 1 — National 27 1/2 Rotary w/Varco KPC pin drive unit.
- 1 — Ensco 250 ton Traveling Block grooved for 1 1/4" Line.
- 1 — BJ 250 Ton Hook.
- 1 — Lee C. Moore 132-6 Sheaves Crown Block grooved for 1 1/4" line.
- 1 — Koomey 160 gallon accumulator
- 1 — 20" Hydril 2000 # Flanged Reg type Preventer
- 1 — 13-5/8" Hydril 5000 # Hub Type Bag Preventer
- 1 — 13-5/8" Shaffer LWS 5,000 # double ram type BOP w/Hub connections.
- 1 — 13-5/8" Shaffer LWS 5000 # Single BOP w/hub connections
- 2 — Gardner Denver PZ9 1000HP mud pumps each powered by EMD 12-567 diesel engines
- 2 — 6x8 Centrifugal mud mixing pumps powered by 60 HP AC motors
- 1 — Rhumba double stack shale shaker.
- 12,000' — 5" OD 19.50 Range 2 Grade E Drill Pipe with 6-3/8" OD tool joints.
- 2000' — 5" OD 19.50 Range 2 Grade S Drill Pipe with 6-3/8" OD tool joints.
- 24 — 6 1/2" OD with 4 1/2" IF Box & Pin drill collars.
- 24 — 7-3/4" OD w/6-5/8" API Reg box & pin Drill Collars.
- 1 — 35 Ton Unit Crane
- 1 — 30 Ton Unit Crane
- 1 — Halliburton cementing Unit
- 1 — Schlumberger Unit
- 1 — Demco Desander
- 1 — Demco Desilter
- 1 — Well Control degasser
- 2 — 600 KW AC generators, 480 V 3 phase driven by model 122 149 diesel engines.
- 1 — 60' x 60' Heliport
- 1 Set — Casing tools for 20", 13-3/8", 9-5/8" & 7" with Hydraulic tongs for up to 16" OD casing.

STORAGE CAPACITIES

Dry mud	1,000 Sxs	Diesel Fuels	790 Bbls.
Active mud	580 Bbls.	Drill water	1,820 Bbls.
Reserve mud	220 Bbls.	Potable water	400 Bbls.
Bulk Cement	1,760 cu. ft.	Bulk mud	1,150 cu. ft.

Basis For Calculations of Gaseous emissions of Boats - Helicopters and Crane at Supply Base for Rig Related Operations

I. Boats: Equiped with two V 12 marine engines and two generators

Lbs/Hour

CO	Hydrocarbon	No_x	SO_2	Particules
6.8	2.5	31.4	2.1	2.3

II. Helicopter: For transportation of men. Size 206

Lbs/Hour

CO	Hydrocarbon	No_x	SO_2	Particules
.5	.1	2.2	14.2	.2

III. Supply Base - Crane - with GM 6-71 diesel engine with 228 BHP driving a 30 ton crane

Lbs/Hour

CO	Hydrocarbon	No_x	SO_2	Particules
3.77	.35	9.18	.47	.5