In Reply Refer To: MS 5231

March 28, 1995

Phillips Petroleum Company
Attention: Mr. Louis Hoover, III
Post Office Box 51107
Lafayette, Louisiana 70505-1107

Gentlemen:

Reference is made to the following plan received March 14, 1995:

Type Plan - Supplemental Development Operations Coordination Document
Lease - OCS 0757
Block - 118
Area - West Cameron
Activities Proposed - Well and Caisson No. 14

In accordance with 30 CFR 250.34, this plan is hereby deemed submitted
and is now being considered for approval.

Your control number is S-3602 and should be referenced in your
communication and correspondence concerning this plan.

Sincerely,

(Orig. Sgd.) J. R. Hennessey

Donald C. Howard
Regional Supervisor
Field Operations

bcc: Lease OCS 0757 POD File (MS 5032)
     MS 5034 w/public info. copy of the plan
     and accomp. info.

BNewton:sic:03/23/95:DOCDCOM

NOTED: SCHEXNAILDRE
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
GULF OF MEXICO, OFFSHORE LOUISIANA
WEST CAMERON BLOCK 118 LEASE OCS-0757

MARCH 10, 1995
SUPPLEMENTAL

Development Operations Coordination Document

Gulf of Mexico, Offshore Louisiana

WEST CAMERON BLOCK 118
LEASE OCS-0757

MARCH 9, 1995

PHILLIPS PETROLEUM COMPANY
Post Office Box 51107
Lafayette, Louisiana 70505-1107
ATTENTION: Mr. Louis Hoover, III
(318) 261-4137
March 9, 1995

File:  Federal Lease OCS-0757
       West Cameron Block 118
       (Well No. 14)
       Gulf of Mexico, Western
       Offshore, Louisiana
       AGENCY REPORTS

Re:  Development Operations
     Coordination Document (DOCD)
     SUPPLEMENTAL

U. S. Department of the Interior
MINERALS MANAGEMENT SERVICE
Plans Unit MS 5231
Attention:  Mr. D. J. Bourgeois
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

Gentlemen:

Enclosed herewith are nine (9) copies of Phillips Petroleum Company's
("PHILLIPS") proposed Supplemental Development Operations Coordination
Document for the Lease captioned hereinabove. This project will be operated from a
shore base facility located in Louisiana. Therefore a Revised Environmental Report and
updated Coastal Zone Management Consistency Certification is included as required.
A revised Air Quality Review is also included. Final well numbers, locations, and
depths will be included in the U.S. Department of the Interior, Minerals Management
Service (MMS) Form 331C, Application for Permit to Drill, Deepen, or Plugback
(APD). Other relevant information to be provided therein shall include casing, blowout
prevention equipment and lines, as well as other safety equipment and other such data
as the District Supervisor may require.

As indicated elsewhere in this plan, Phillips proposes to use a jackup type MODU to
drill the proposed wells.
Federal Lease OCS-0757
West Cameron Block 118
(Well No. 14)
Gulf of Mexico, Western
Offshore, Louisiana
AGENCY REPORTS

Development Operations
Coordination Document (DOCD)
SUPPLEMENTAL

Page -2-

Additionally, that information presented herein and determined exempt (by Phillips) from public disclosure under the Freedom of Information Act (5 USC 552) and implementing regulations (43 CFR, Part 2) has been marked "CONFIDENTIAL" or deleted from those copies of this plan marked "Public Information".

This letter is to be considered part of the Plan.

Phillips respectfully requests an expedited review and approval of this document. Please direct inquiries and response to the undersigned.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

Louis Hoover,III

LH,III/jlb

Enclosures

cc: U. S. Department of the Interior
    Minerals Management Service
    Lake Jackson District
    Attention: Mr. Edmond Smith
PROPOSED ACTIVITY

Phillips proposes to drill Well No. 14 as a directional 10740’TVD, 10780’MD well from a remote location in West Cameron Block 118. The well will be drilled as caisson supported well. The caisson will have a boat landing and heliport installed for personnel access and well maintenance. Proposed well will be drilled to 10740’TVD and 10780’MD. The well will be dually completed with a selective in the long string and a subsequent major workover to take another productive zone. Additional zones of interest may be encountered during drilling.

Should a well indicate the presence of a hydrocarbon sand in commercially paying quantities, the well may be temporarily abandoned according to the provisions of 30 CFR Part 250, Subpart G and any other requirements as specified by the District Supervisor. Approved USCG aids to navigation will be installed where required.

Throughout the life of the proposed project, all available safeguards will be utilized in an effort to protect life and the surrounding ecosystem.

Project activities will be conducted from Phillips permanent shore base facility located at Grand Chenier, Louisiana.

Phillips Petroleum Company is an active member of Clean Gulf Associates (CGA). Should an upset occur at the proposed project site, the nearest CGA base is located at Cameron, Louisiana. The anticipated response including boat procurement, loadout of equipment, travel time, and equipment deployment is approximately six (6) hours. Phillips is operating under Region VI, USEPA Gulf of Mexico General Permit Number GMG290000. Subset Number is GMG290093-046A.

The following Sections provide additional information required to complete this proposed Initial Plan of Exploration:

1. **SECTION I** Table of Proposed Locations including Timetable and other specific information as required.

2. **SECTION II** Vicinity plat with transportation routes illustrated.

3. **SECTION III** General Well Location Plat.
4. SECTION IV  Structure Maps: ROB L-2 SAND
                 ROB L-15 SAND
                 DISC. B-4 SAND

       Hazard Maps (Kinsella, Cook and Associates)
       AMPLITUDE ANOMALY MAP
       STRUCTURE MAP (Shallow Unconformity
       MAN-MADE FEATURES MAP
       BATHYMETRY, SEAFLOOR AND
       NEAR-SEAFLOOR FEATURES MAP
       NAVIGATION POST PLOT

5. SECTION V  General Rig Inventory and Description.

6. SECTION VI  Oil Spill Contingency Plan Brief and;
               Oil Spill Trajectory Analysis.

7. SECTION VII Typical Drilling Mud Component Listing.

8. SECTION VIII Listing of typical equipment that would be used when doing
    seismic surveys on the block.

9. SECTION IX  Environmental Report.

10. SECTION X  Air Quality Review.

11. SECTION XII CZM Certification and Legal Notices
SECTION 1

Table of Proposed Locations
PHILLIPS PETROLEUM COMPANY
DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
SUPPLEMENTAL
WEST CAMERON BLOCK 118
LEASE OCS-0757

1. **WELL LOCATION**

<table>
<thead>
<tr>
<th>WELL NO.</th>
<th>SURF LOCATION</th>
<th>BH LOCATION</th>
<th>DEPTH MD/TVD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6900’FNL &amp; 7525’FWL</td>
<td>6627’FNL &amp; 7135’FWL</td>
<td></td>
</tr>
</tbody>
</table>

2. **SHALLOW HAZARDS DISCUSSION AND CERTIFICATION**

Analysis of the shallow hazards survey conducted by Kinsella, Cook & Associates, Inc. does not indicate any potential hazards present at the proposed well location. The presence of a near surface inactive fault at approximately 1000 feet MD will be taken into account in the engineering design of the well. No archeological or man-made hazards have been identified within 200 feet of the surface location and no seismic anomalies identified for shallow gas at the proposed location.

For the location discussed hereinaabove, no geologic, archaeological or cultural hazards will be encountered, nor have any man-made structures or other magnetic hazards been identified. Regional geologic literature suggests that drilling or construction at these locations will not impact historic or pre-historic cultural resources.

3. **CERTIFICATION**

"Phillips Petroleum Company certifies that the proposed surface locations are free from any known shallow hazards"

4. **PROPOSED TIMETABLE**

Commencement of drilling activities are planned for **May 1, 1995**. It is believed that approximately forty-five (45) days will be required to drill this well.

5. **MULTI-SENSOR SURVEY**

Enclosed with this document.
6. **H2S**

Phillips is unable to discover any evidence of H2S at or near the proposed site and believes the project site to be free of H2S. Therefore, Phillips requests the MMS to classify this area a zone where the absence of H2S is confirmed. (restatement)

7. **NEW OR UNUSUAL TECHNOLOGY**

None

8. **LEASE STIPULATIONS**

This lease was issued May, 1960. There are no known lease stipulations associated with the lease agreement.

9. **WASTE AND POLLUTANTS**

The well will be drilled a rig similar to the Rowan Louisiana, a jackup drilling platform. Drip pans are installed under all equipment which could be a potential source of pollution. All waste products containing oil will be properly transported to shore and disposed of at approved disposal facilities. Domestic wastes will be treated by onboard sanitation treatment facilities and will be disposed of into the waters of the Gulf of Mexico. All overboard discharge waters including sanitation, formation, and water based drilling fluids will be discharged at the site pursuant to NPDES regulations and guidelines.

All other solid and liquid wastes which cannot be disposed of in accordance with regulations published by EPA, or any other regulations that may govern the proper disposal of these types of wastes with regard to onshore disposal.

The following table illustrates projected amounts and rates of drilling fluid and cuttings discharges and are based on a typical vertically drilled 12,000' wellbore:

<table>
<thead>
<tr>
<th>HOE SIZE</th>
<th>CASING SIZE</th>
<th>SETTING DEPTH</th>
<th>AMOUNT OF CUTTINGS</th>
<th>AMOUNT OF DRILG FLUID</th>
<th>DAYS TO DRILL</th>
<th>DISCHARGE CUTTINGS</th>
<th>DISCHARGE DRILG FLUID</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>30</td>
<td>460</td>
<td>DRIVE - NOT APPLICABLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>20</td>
<td>1100</td>
<td>3097 CF</td>
<td>552 Bbls</td>
<td>1-1/2</td>
<td>2065 CF</td>
<td>441 Bbls</td>
</tr>
<tr>
<td>17-1/2</td>
<td>13.3/8</td>
<td>3500</td>
<td>4009 CF</td>
<td>714 Bbls</td>
<td>3</td>
<td>1336 CF</td>
<td>286 Bbls</td>
</tr>
<tr>
<td>12-1/4</td>
<td>9-5/8</td>
<td>9800</td>
<td>5157 CF</td>
<td>918 Bbls</td>
<td>9</td>
<td>573 CF</td>
<td>122 Bbls</td>
</tr>
<tr>
<td>8-1/2</td>
<td>7-5/8</td>
<td>12000</td>
<td>867 CF</td>
<td>154 Bbls</td>
<td>4</td>
<td>217 CF</td>
<td>46 Bbls</td>
</tr>
</tbody>
</table>

**BEST AVAILABLE COPY**
10. **ONSHORE SUPPORT BASE FACILITIES**

The existing shorebase facility located at Grand Chenier, Louisiana will be used for this project. The facility has two helicopter landing pads, fueling facilities for helicopters, as well as docking facilities for crew boats and work boats. Support vessels to be used include crew boats, work boats, and helicopters. Routes will be the most direct from the onshore base to the project site. The facility is normally manned 24 hours per day and contains living quarters as well as dining facilities. Expansion of the support base facility will not be required as a result of these proposed operations. Therefore and socioeconomic or environmental impacts on the local infrastructure will be negligible.

11. **PRODUCTION RATES AND FACILITIES**

Current production rates: 
- Oil Well Gas - 520 MCF/D (Approx)
- Oil - 130 BOPD
- Water - 10 BWPD

Projected production rates: 
- Oil Well Gas - 9000 MCF/D
- Oil - 160 BOPD
- Water - 10 BWPD

Field life is estimated at nine years.

Current rates are approximate and may fluctuate daily. The projected rates also reflect the capacity of the production equipment on the platform. Modifications to the existing equipment are not anticipated at this time.

12. **PIPPINES**

The proposed well will be tied back to the No. 1 platform via dual flowlines.

13. **COMPANY REPRESENTATIVE**

**LOUIS HOOVER, III**  
Phillips Petroleum Company  
Post Office Box 51107  
Lafayette, Louisiana 70505-1107  
(318) 261-4137
SECTION II

Vicinity Plat
SECTION III

Well Location Plat
PROPOSED SURFACE LOCATIONS

<table>
<thead>
<tr>
<th>BLOCK</th>
<th>WELL</th>
<th>CALLS</th>
<th>X (FEET)</th>
<th>Y (FEET)</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>14</td>
<td>6900' FNL 7525' FWL 1,266,154.28'</td>
<td>315,100.00'</td>
<td>29°30'26.463&quot;</td>
<td>93°38'25.593&quot;</td>
<td></td>
</tr>
</tbody>
</table>

PROPOSED BOTTOM HOLE LOCATIONS

<table>
<thead>
<tr>
<th>BLOCK</th>
<th>WELL</th>
<th>TVD</th>
<th>MD</th>
<th>CALLS</th>
<th>X (FEET)</th>
<th>Y (FEET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>14</td>
<td>10,740'</td>
<td>10,780'</td>
<td>8627' FNL 7135' FWL 1,265,764.28'</td>
<td>313,373.00'</td>
<td></td>
</tr>
</tbody>
</table>

BLK. 118

PHILLIPS PETROLEUM COMPANY
OCS-0757

GULF OF MEXICO

SABINE PASS AREA

SUPPLEMENTAL DOC
WEST CAMERON AREA
BLOCK 118

PHILLIPS PETROLEUM COMPANY
EXPLORATION AND PRODUCTION GROUP
101 FEU FOLLET
LAFAYETTE, LOUISIANA 70508

PREPARED BY
C & C TECHNOLOGIES, INC.
500 DOVER BLVD
LAFAYETTE, LA 318 / 981-1442

JOB # 95-2193
MAP NO. 9521938
REVISED
DATE 03/06/95
SHEET 1 OF 1

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SECTION IV

Structure Maps
Hazard Maps
BOOKLET OF DESCRIPTIONS
AND INVENTORIES
FOR
THE SELF ELAVATING MOBILE
OFFSHORE DRILLING UNIT

"ROWAN LOUISIANA"
RIG 016

MARATHON HULL NO. 84

OWNER
ROWANDRILL, INC.
CONSTRUCTED BY
MARATHON LETOURNEAU COMPANY
MARINE DIVISION
VICKSBURG, MISSISSIPPI

MODU ROWAN LOUISIANA
RIG 016
O.N. 565105
REG. HOUSTON, TEXAS

NET TONNAGE
7106
GROSS TONNAGE
7222

MAY 6, 1991
DRILLING UNIT DESCRIPTION DATA

A) NAME OF UNIT  LOUISIANA 016
B) TYPE OF UNIT  JACK UP EQUIPPED WITH SKID-OFF PACKAGE
C) UNIT RATING  1) DRILLING DEPTH 30,000 FT.  
                2) MAX. WATER DEPTH 350 FT.  
                3) MIN. WATER DEPTH 28 FT.

DIMENSIONS AND LOADING DATA

A) LENGTH  247.58 FT.
B) WIDTH  200.50 FT.
C) DEPTH OF HULL  26.00 FT.
D) NUMBER AND LENGTH OF LEGS  3 @ 467 FT. EACH
E) HULL TYPE  SELF ELEVATING MOBILE OFFSHORE PLATFORM
F) DRAFT UNDER TOW  15 FT.
G) PROPULSION SYSTEM  2 BAXOR 90" DIAMETER FORT NOZZLE THRUSTERS TOTAL CAPABLE BOLLARD PULL OF 82,500 LBS. EACH, DRIVEN BY 1 G.E. 752 ELECTRIC MOTOR PER THRUSTER
H) LIGHTSHIP DISPLACEMENT  16,453 KIPS
I) MAXIMUM LOADED DISPLACEMENT  21,011.20 KIPS
J) MAXIMUM VARIABLE LOAD  4,040.20 KIPS
K) JACKING SYSTEM  48 ELECTRIC MOTORS, 16 PER LEG ELEVATING SPEED 90 FT./HOUR

CLASSIFICATION AND CERTIFICATION

A) COUNTRY  UNITED STATES OF AMERICA
B) CLASSIFICATION SOCIETY  AMERICAN BUREAU OF SHIPPING
C) GOVERNMENTAL AUTHORITY  UNITED STATES COAST GUARD
STORAGE CAPACITY *

A) COVERED SACK STORAGE
   3500 SACKS

B) BULK MUD STORAGE
   4-HOWCO 1360 CUBIC FEET PNEUMATIC TYPE TANKS
   1-220 CU. FT. NON-PRESSURIZED SURGE TANK

C) BULK CEMENT
   4-HOWCO 1360 CUBIC FEET PNEUMATIC TYPE TANKS

D) DIESEL FUEL BARRELS
   3400 (TRANSIT MODE)
   1300 NORMAL OPERATION TOTAL*
   1050 NORMAL OPERATION USEABLE

E) DRILL WATER BARRELS
   4500 NORMAL OPERATION TOTAL*
   3000 NORMAL OPERATION USEABLE

F) POTABLE WATER BARRELS
   1040 TOTAL
   840 USEABLE

G) MUD TANKS
   1467 BARRELS (4 TANKS @ 42.56, 489, 489, 63.5)

H) SAND TRAPS
   180 BARRELS

* UTILIZATION OF SKID-OFF PACKAGE INCREASES
   CAPACITY FOR VARIABLE LOAD BY 792 KIPS

TUBULAR STORAGE (MAXIMUM DESIGN)

A) MAIN DECK PIPE RACKS
   5 KIPS PER SQ. FT.

DECK STORAGE (MAXIMUM DESIGN)

A) MACHINERY DECK
   500 LBS. PER SQ. FT.

B) MAIN DECK
   500 LBS. PER SQ. FT.

MOORING SYSTEM AND EQUIPMENT

A) NUMBER AND TYPE OF ANCHORS
   2- 10,000 LB. ANCHORS

B) LINE SIZE AND DESCRIPTION
   TYPE 6X37, 1/4 DIA., 2500 FEET

C) WINCH TYPE
   W 1500 TS, MARATHON LETOURNEAU

LIVING QUARTERS

A) CABINS
   2- BEDS 4 ROOMS
   4- BEDS 9 ROOMS
   6- BEDS 6 ROOMS
   5- BEDS 1 ROOM (HOSPITAL)
   TOTAL NUMBER OF BEDS = 85

B) OPERATOR OFFICE
   2- BEDS WITH PRIVATE BATH

C) OPERATOR CABIN
   4- BEDS

D) OPERATOR EXTRA ROOM
   1 TELEVISION ROOM, 1 BILLIARD ROOM

E) RECREATIONAL SPACE
   5- BEDS WITH DESK AND SHOWER

BEST AVAILABLE COPY
HELIPORT

A) RATING
   RATED FOR S-61N STORSKY HELICOPTER
B) DECK AREA
   70 FT. DIAMETER
C) NIGHT EQUIPMENT
   FULLY LIGHTED IN ACCORDANCE WITH
   U.S.C.G., EQUIPPED WITH RADIO BEACON
D) FIRE FIGHTING
   EQUIPMENT
   1- 150 LB. DRY CHEMICAL CO2 PROPELLED,
   1- 15 LB. CO2 EXTINGUISHER, 1- 1½ INCH
   FIRE HOSE, 1 FIRE SUIT

COMMUNICATIONS EQUIPMENT

A) CAI CR-35 TRANSCIEVERS (2), CAI CI-36 1000 WATT AMPLIFIERS (2)
B) 1- COMCO MOD. 778/779 118 TO 136 MHZ VHF-AM TRANSCIEVER
C) 1- STANDARD VHF RADIO
D) 1- SOUTHERN AVIONICS AIRCRAFT BEACON
E) 6- STANDARD HANDHELD MARINE VHF TRANSCIEVERS
F) HOSE MCCANN VOICE ACTIVATED TELEPHONE SYSTEM THROUGHOUT RIG
G) 15- GAI TRONICS PAGING PHONES THROUGHOUT RIG WITH SPEAKERS
   AT VARIOUS LOCATIONS

NAVIGATIONAL EQUIPMENT

A) RUNNING LIGHTS
B) AIDS TO NAVIGATION
C) PITCH AND ROLL INSTRUMENTATION
E) BAROMETER
F) BENDIX-FRIEZ 100 MPH WIND AND DIRECTIONAL INDICATOR

BEST AVAILABLE COPY
POWER PLANT (Vessel and Rig)

A) ELECTRICAL DISTRIBUTION
   BAYLOR FX 4 TH/RIG II WITH 4 SCR BAYS. 4-D399 CATERPILLAR TURBO CHARGED, AFTER COoled ENGINEs, RATED @ 1300 HP EACH AT 1200 R.P.M. CONTINUOUS. 4-G.E. 930 KW, 600 VOLT AC GENERATORS CAPABLE OF 1118 AMPS. SCR AC/DC UNITS CAPABLE OF 750 VOLT CONTINUOUSLY WITH MULT-ASSIGNMENT FEATURES. SWITCH BOARD IS BAYLOR MARINE TYPE

B) TOP DRIVE
   GENERAL ELECTRIC U-DRILL, 2 SCR BAY, MAIN AND AUXILIARY FOR TOP DRIVE UNIT. 600 VOLT

C) STAND-BY POWER
   CATERPILLAR D334, WITH G.E. 150 KW GENERATOR

D) FUEL
   FUEL CONSUMPTION PER DAY (NORMAL OPERATIONS) APPROX. 45 BBLs.

E) EMERGENCY BATTERY POWER
   MAIN POWER GOVERNORS 2-12 VOLT BATTERIES
   FOG HORN AND AID TO NAVIGATION LIGHTS- 2-12 VOLT BATTERIES
   GENERAL ALARM SYSTEM- 2-12 VOLT BATTERIES

AIR SUPPLY

A) STORAGE CAPACITY
   3 - 30" DIAMETER BY 168" LONG U.S.C.G. APPROVED TANKS

B) WORKING PRESSURE
   150 PSI

C) COMPRESSION RATE
   279 CUBIC FEET PER MINUTE

D) COMPRESSOR TYPE
   2 QUINCY MODEL 50 ATV 50 HP

E) EMERGENCY AIR
   QUINCY 5 HP DIESEL & ELECTRIC OPERATED COLD START COMPRESSOR
FIRE FIGHTING EQUIPMENT

A) CO2 EXTINGUISHERS
   7 - 15 LB. STATIONS
   1 - 75 LB. FIXED STATION

B) HOSE STATIONS
   16 - HOSE STATIONS

C) DRY CHEMICAL EXTINGUISHERS
   37 - 30 LB. STATIONS
   12 - 5 LB. STATIONS
   2 - 150 LB. STATIONS

D) HALON
   2 - 5 LB. HAND HELD IN ENGINE ROOM

E) FIRE AXE
   6 - STATIONS

LIFE SAVING AND SAFETY EQUIPMENT

A) CAPSULES
   1- WHITTAKER CA 5001, 50-MAN
   COMPLETE AS PER U.S.C.G. REGS.
   1- WHITTAKER CA 2801, 28-MAN
   COMPLETE AS PER U.S.C.G. REGS.

B) DAVIT-LAUNCH LIFE RAFTS
   4- 25 MAN INFLATABLE LIFE RAFTS
   COMPLETE AS PER U.S.C.G. REGS.

C) BREATHING APPARATUS
   12- 30 MINUTE SCOTT AIR PACKS (SCBA)

D) SAFETY EQUIPMENT
   93- PERSONAL FLOATATION DEVICES
   8- LIFE Buoy RINGS
SERVICE EQUIPMENT AND PUMPS

A) SANITATION UNIT
   RED FOX 4500 - U.S.C.G. APPROVED

B) FIRE PUMP
   FEERLESS 10 Lb. 40 HP VERTICLE TURBINE PUMP

CRANES

A) NUMBER AND TYPE
   4 - LETOURNEAU PMC 120
      3 W/ 100 FT. BOOM
      1 W/ 120 FT. BOOM

B) RATING
   45 TONS @ 25 FT. WITH 100 FT. BOOM

WELDING UNIT

A) ACETYLENE
   20 - BOTTLES

B) OXYGEN
   62 - BOTTLES

C) NITROGEN
   9 - BOTTLES

D) ELECTRIC
   2 - LINCOLN SAE 400 ELECTRIC SHIELD ARC DC WELDER

DERRICK

A) MODEL
   LEE C. MOORE

B) TYPE
   160 FT. T-LEG DERRICK

C) HOOK LOAD CAPACITY
   1,250,000 LBS.

D) HEIGHT
   160 FT.

E) BASE
   30 FT. BY 30 FT.

F) RACKING CAPACITY
   220 STANDS OF 5" DRILL PIPE. DRILL COLLAR RACKING DEPENDENT ON SIZE OF COLLARS AND STYLE OF RACKING.

G) DESIGN CRITERION
   DERRICK IS DESIGNED TO WITHSTAND 20 DEGREE ROLL & DIRECTION IN 10 SECOND PERIOD WITH 20% IMPACT.
   DERRICK FLOOR 29 FT. ABOVE ROLL CENTER WITH NO PIPE PACKED IN DERRICK.

SUBSTRUCTURE

A) MAKE
   MARATHON LETOURNEAU

B) SET BACK CAPACITY
   450,000 LBS.

C) SKID TYPE AND CAPACITY
   ELECTRIC RACK AND PINION WITH 2 MOTORS

D) DRILLING POSITIONS
   LONGITUDINAL MOVEMENT OF SUB-BASE, TRANSVERSE MOVEMENT OF SUBSTRUCTURE. ENABLES 9 DRILLING POSITIONS 10 FT. EITHER SIDE OF CENTER.
HOISTING AND ROTARY EQUIPMENT

A) DRAWWORKS
   NATIONAL 1625DE DRIVEN BY 2 G.E.
   752 ELECTRIC MOTORS

B) AUXILIARY BRAKE
   ELMACO MODEL 7838 EDDY CURRENT BRAKE

C) CROWN BLOCK
   NATIONAL TYPE 760 FA WITH 7 SHEAVES
   GROOVED FOR 1½ DRILL LINE, CAPACITY
   583 TONS

D) TRAVELLING BLOCK
   EMSCO TYPE MA-60-6 RATED 600 TON

E) HOOD
   NATIONAL TYPE H-500

F) SWIVEL
   NATIONAL P-650, 650 TON

G) POWER SWIVEL
   NATIONAL PS500/500 SERIAL NUMBER 003
   AUTOMATIC INSIDE B.O.P. AND MANUAL
   SAFETY VALVE 10,000 PSI, DRIVEN BY
   1 G.E. 752 ELECTRIC MOTOR

H) ROTARY TABLE
   NATIONAL C-375, 37½" OPENING, CHAIN
   DRIVEN OFF DRAWWORKS

I) ROTARY HOSE
   2- 3" x 75' 10,000 PSI TEST

J) STAND PIPE
   5-9/16" SCH. 160 DUAL STAND PIPES

K) INSTRUMENTATION
   MARTIN DECKER TYPE EB WEIGHT INDICATOR
   WITH NATIONAL ANCHOR
   0-5000 PSI PUMP PRESSURE
   TONG TORQUE
   ROTARY RPM
   ELECTRIC TORQUE METER
   TOTAL MUD PIT VOLUME WITH ALARM
   FLOW INDICATOR WITH ALARM
   MARTIN DECKER RECORDER FOR FLOW, PVT,
   MUD WEIGHT
   MARTIN DECKER 5 PIN RECORDER FOR WEIGHT,
   PUMP PRESSURE, TORQUE, RPM, ROP

L) SAND LINE
   INSTALLED ON DRAWWORKS WITH CAPACITY
   FOR 18,000 FT. OF 9/16" LINE

MUD SYSTEM

A) MUD PUMPS
   2 NATIONAL 12-P-160 TRIPLEX SLUSH PUMPS
   DRIVEN BY 2 EACH G.E. 752 ELECTRIC MOTORS,
   WITH HYDRIL K-20, 5000 PSI PULSATION
   DAMPER. 2- 5-9/16" MUD LINES TO RIG
   FLOOR

B) MUD TANKS
   3- MUD PITS AND 1 SLUG PIT WITH 1467
   BARREL CAPACITY, SAND TRAP CAPACITY
   OF 180 BARRELS

C) DESANDER
   PIONEER S3-12 VOLUMEMASTER WITH 75 HP
   6 x 8 MISSION PUMP

D) DESTILIER
   PIONEER T20-4 STILLMASTER WITH 75 HP
   6 x 8 MISSION PUMP

BEST AVAILABLE COPY
E) MUD CLEANER
F) SHALE SHAKERS
G) DEGASER
H) CENTRIFUGAL PUMPS
I) MUD MIXING
J) LIQUID MUD
K) DRILL WATER

SPECO STANDARD MUD CLEANER
2 BRANDT DUAL SCREEN SHAKERS WITH DUAL VIBRATING DECKS,CASCADED OVER 2 BRANDT HIGH SPEED SHAKERS
WELL CONTROL MODEL 5200
2-6x8 75 HP MISSION PUMPS-SOLIDS CONTROL
2-6x8 75 HP MISSION PUMPS MUD MIXING
2-6x8 50 HP MISSION PUMPS SUPER CHARGER
3 LIGHTNING 75-Q-20 20 HP MUD MIXERS
PIPING FROM PORT BULK RECEIVING AREA TO EACH PIT AND RETURN
DRILL WATER PIPED TO MUD PITS

CASING HANDLING EQUIPMENT
A) BYRON JACKSON 500 TON 13-5/8" ELEVATORS-SPIDERS WITH:
  2- SETS OF 13-3/8" INSERTS
  3- SETS OF 9-5/8" INSERTS
  4- SETS OF 7-5/8" INSERTS
B) VARCO CMS-XL 20" CASING SLIPS
C) BAASH-ROSS 20" H200 SIDE DOOR ELEVATORS
D) BAASH-ROSS 20" EX. HEAVY CASING TONGS
E) VARCO SOLID PIN DRIVE MASTER CASING BUSHING AND INSERT BOWL FOR 20" CASING
F) BYRON JACKSON TONGS WITH HEADS ADJUSTABLE FOR 4" TO 15" PIPE. TYPE SDD
G) BYRON JACKSON 500 TON 132" ELEVATOR LINKS
B.O.P. STACK

A) HYDRIL TYPE "GK" 13-5/8", 5,000 PSI API TOP CONNECTION AND 13-5/8" 5,000 PSI API BOTTOM CONNECTION. TOP CONNECTION FACE DRILLED AND TAPPED FOR STUDS. BOTTOM CONNECTION FLANGED FOR THROUGH BOLTS, WITH STAINLESS STEEL WELD LINED RING GROOVES

B) CAMERON TYPE "U" SINGLE UNIT, 13-5/8" VERTICAL BORE, 10,000 PSI WORKING PRESSURE. TOP AND BOTTOM FLANGED 10,000 PSI WORKING PRESSURE WITH 2 4-1/16" 10,000 PSI WORKING PRESSURE OUTLETS, ALL RING GROOVES STAINLESS STEEL LINED, TRIMMED FOR H2S SERVICE

C) CAMERON TYPE "U" DOUBLE UNIT, 13-5/8" VERTICAL BORE, 10,000 PSI WORKING PRESSURE, TOP AND BOTTOM FLANGED 13-5/8" 10,000 PSI WORKING PRESSURE WITH 4 4-1/16" 10,000 PSI WORKING PRESSURE OUTLETS BELOW EACH SET OF RAMS. RING GROOVES STAINLESS STEEL LINED, TRIMMED FOR H2S SERVICE

D) 2 - CAMERON 4-1/16" TYPE "F" GATE VALVE, 10,000 PSI WORKING PRESSURE. 4-1/8" BORE WITH 6BX FLANGED ENDS. VALVE COMPLETE WITH HYDRAULIC OPERATOR AND MANUAL OVERRIDE, TRIMMED FOR H2S SERVICE

E) 1 - CAMERON 4-1/16" TYPE "F" GATE VALVE, 10,000 PSI WORKING PRESSURE, 4-1/8" BORE WITH 6BX FLANGED ENDS. TRIMMED FOR H2S SERVICE

F) 1 - CAMERON 2-1/16" TYPE "BR" CHECK VALVE, 10,000 PSI WORKING PRESSURE, BX52 FLANGED ENDS, TRIMMED FOR H2S SERVICE

G) 13-5/8" 10,000 PSI BY 13-5/8" 5,000 PSI DOUBLE STUDED ADAPTER, TRIMMED FOR H2S SERVICE

H) RAMS: 2-3/8" 1 SET(S) 2-7/8" 1 SET(S) 3-1/2" 2 SET(S) 4-1/2" 2 SET(S) 5" 3 SET(S) 7" 1 SET(S) 9-5/8" 2 SET(S) 10-3/4" 1 SET(S) BLIND 1 SET(S)

I) 1 - LOT OF ADAPTERS, RINGS, STUDS, RUBBER PRODUCTS, AND ETC. TO COUPLE COMPONENTS
DIVERTER AND ASSOCIATED EQUIPMENT

REGAN NOMINAL 27-1/2" BY 37" TYPE KFDJ-2000 DIVERTER AND ANNULAR PREVENTER SYSTEM CONSISTING OF:

DIVERTER SUPPORT HOUSING, 2000 PSI WORKING PRESSURE TYPE KFDJ, NOM. 27-1/2", 37-1/2" R.T. COMPLETE WITH 12", 2000 PSI FLANGED FLOW LINE OUTLET WITH 4" 2000 PSI LP CONNECTION TO CHORE AND KILL MANIFOLD, 2" 2000 PSI LP FILL-UP LINE CONNECTION, 1/2" 2000 PSI ANNULUS PRESSURE CONNECTION, 6- LOCKING DOGS (HYDRAULIC)

TYPE KFDJ ROTARY TABLE DIVERTER ASSEMBLY COMPLETE WITH 10" BORE INSERT PACKER, FLOWLINE SPOOL WITH 2 ENERGIZED PACKERS

SET OF NECESSARY TOOLS, SPOOLS, PACKERS, AND MANDRELS TO COUPLE TO CUSTOMER'S WELLHEAD

DIVERTER CONTROL SYSTEM WITH SUFFICIENT VALVING AND MANIFOLDING TO ALLOW COMPLETE OPERATION OF DIVERTER AND VALVES FROM A CENTRAL POINT AND OR REMOTE STATION

B.O.P. CONTROL SYSTEM

ROOMEY 280 GALLON 3000 PSI WITH 16 ELEVEN GALLON BLADDER TYPE SEPARATOR ACCUMULATORS

MODEL T 315-20-3 ELECTRIC POWERED TRIPLEX PLUNGER PUMP

280 GALLON FLUID RESERVOIR

3500 PSI PRESSURE RELIEF VALVE FOR ACCUMULATOR, FILTERS, VALVES FITTINGS, AND CONNECTIONS

ROOMEY MODEL SU3RB55, "S" SERIES MANIFOLD

ROOMEY MODEL AC-31 AIR PUMP PACKAGE(2)

ROOMEY MODEL ARC-5 AUXILIARY AIR REMOTE CONTROL PANEL

CHORE MANIFOLD

ROWAN 10,000 PSI WORKING PRESSURE (15,000 TP) UPSTREAM SIDE OF CHORE. 5,000 PSI WORKING PRESSURE (7500 TP) DOWNSTREAM SIDE OF CHORE. MANIFOLD DIVERS SN" INLET FROM WELLHEAD TO EACH OR ALL OF 2 2-1/16" ADJUSTABLE CHORES, 2 2-1/16" POSITIVE CHORES, 1 SWACO SUPER ADJUSTABLE DRILLING CHORE, OR 4" BYPASS LINE. ALL MANIFOLD FLUID IS DIRECTED INTO AN INTEGRAL BUFFER MANIFOLD AND THEN INTO A MUD-GAS SEPARATOR. CONTROL PANEL PROVIDES CENTRAL CONTROL FOR ADJUSTABLE CHORE, NECESSARY GAUGES, CHORE BEANS, ETC. MUD-GAS SEPARATOR VENTS CLEAR OF RIG

BEST AVAILABLE COPY
SURFACE B.O.P. AND DRILL STRING

A) KELLY COCK
   2- 4-1/2" HYDRIL KELLY GUARD 10,000
   PSI WORKING PRESSURE
   1- 4-1/2" 10,000 PSI WORKING PRESSURE
   INSIDE B.O.P. VALVE

B) CHICKSAN
   10,000 PSI WORKING PRESSURE

DRILL STRING HANDLING EQUIPMENT

A) SLIPS
   2- VARCO SDRXL 5"
   1- VARCO DSC-4

B) ELEVATORS
   2- BJ 5" TYPE GG
   1- BJ 2-7/8" OR 2-3/8" TYPE MAA
   2- BJ SLA-100
   1- BJ SLA-65
   1- BJ DRILL COLLAR LIFT ASSEMBLY

C) TONGS
   BJ TYPE SDD WITH HEADS ADJUSTABLE FOR
   4" TO 15" PIPE.

D) POWER TONGS
   VARCO MODEL TW60

E) PIPE SPINNERS
   VARCO MODEL SW20

F) KELLY SPINNER
   VARCO 6200

G) ELEVATOR LINKS
   BJ 103"

FISHING TOOLS

10-5/8" F.S. WITH STANDARD LIPPED GUIDE
2 SETS 9" GRAPPLES
2 SETS 8-7/8" GRAPPLES
2 SETS 8" GRAPPLES
2 SETS 7-7/8" GRAPPLES
Oversize guide for 10-5/8" F.S. Overshot
8-1/8" OD LEFT OVERSIDE 7-5/8" WITH STANDARD LIPPED GUIDE
7-5/8" OD BOWL FOR SLIM HOLE FISHING
11-3/4" GUIDE FOR ABOVE
15" GUIDE FOR SAME
Bushing to mill over 6-3/8" tool joints
Bushing to mill over 5" drill pipe
Grapples for above

DRILL STRING

DRILL PIPE

5" O.D. 19.5 LBS/FT. GRADE "E" WITH
6-3/8" TOOL JOINTS

5" O.D. 19.5 LBS/FT. GRADE "G" WITH
6-3/8" TOOL JOINTS

31 JOINTS 5" O.D. "HEVI-WATE" HEAVY WALL
DRILL PIPE WITH 6-3/8" O.D. TOOL JOINTS
WITH CENTER UPSET. WEIGHT APPROXIMATELY
1550 LBS. PER JOINT

DRILL COLLARS

4- 9" O.D. WITH 7-5/8" REG. CONNECTIONS,
30 FEET LONG

15- 8" O.D. WITH 6-5/8" H90 CONNECTIONS,
30 FEET LONG

BEST AVAILABLE COPY
19- 6-1/2" O.D. WITH 4-1/2" IF CONNECTIONS, 30 FEET LONG

KELLY

1- DRILOC 5-1/4" HEX x 40' LONG

WATER MAKER
TWO (2) TRITON TYPE FW-700 B2-WAY-436-MI DISTILLATION PLANT
SYSTEM RATED FOR 400 GPH

WIPEDLINE UNIT
HALLIBURTON MODEL OXC-XT 3UCLE20 KYL POWER DRIVEN MEASURING REEL
ASSEMBLY. UNIT COMPLETE WITH 14,500 FEET OF .092 LINE ON A
20,000 FEET CAPACITY DRUM MEASURING DEVICE AND CLUTCH. THE UNIT
IS POWERED BY A 20 HP EXPLOSION PROOF MOTOR

STRAIGHT HOLE INSTRUMENTATION
FASTCO DRIFT INDICATOR WITH ACCESSORIES

CEMENTING UNIT
ONE (1) TWIN DIESEL DRIVEN DOWELL CEMENTING UNIT WITH 25 BBL. SLURRY
BLENDER, SURGE TANK, RECIRCULATING MIXER, HIGH PRESSURE STAND-PIPE
TO RIG FLOOR, AND CHICKSAN HOSE. UNIT IS EQUIPPED WITH 4 TANK LIQUID
ADDITIVE SYSTEM

MUD TESTING EQUIPMENT
COMPLETE SET OF MUD TESTING EQUIPMENT FOR CHECKING VISCOSITY, MUD
WEIGHT, AND API WATER LOSS. TWO SINKS PROVIDED FOR EQUIPMENT

SPARE PARTS
SPARE PARTS TO MAINTAIN AND OPERATE RIG FOR NORMAL DAY TO DAY OPERATIONS

MISCELLANEOUS
NETS, BASKETS, SLINGS, CARGO BASKETS, AND OTHER EQUIPMENT NECESSARY TO
LOAD AND UNLOAD EQUIPMENT, SUPPLIES, AND PERSONNEL AT THE WELL SITE.
SEPARATE HOSES AND PIPING FOR UNLOADING AND LOADING FUEL, WATER, AND
DRY BULK MATERIALS. VALVE ON BOAT END OF FUEL HOSE
SECTION VI

Oil Spill Contingency Plan Brief
& Oil Spill Trajectory Analysis
Phillips Petroleum Company (Phillips) has an approved Oil Spill Contingency Plan (OSCP) on file with the Minerals Management Service. The OSCP provides for specific information for notification and action procedures should an upset occur in the waters of the Gulf of Mexico.

Action and notification procedures are specified in the OSCP for varying degrees of response depending on the size and nature of the upset. Notification and reporting procedures include state and federal agency requirements and emergency notification telephone numbers. Action procedures are specified to include responsibility, spill containment and cleanup, equipment and material, operating personnel, communications, and the Offshore Oil Spill Task Force.

Phillips is an active member of the CLEAN GULF ASSOCIATES (CGA). By reference, the CGA Operations Manual is incorporated into and made a part of Phillips Offshore Oil Spill Contingency Plan. Equipment stored and maintained by CGA is available should the need arise. In an emergency situation, Phillips will call for as much assistance and additional equipment as necessary from a number of contractors located on the Gulf Coast that specialize in oil spill containment and cleanup. These contractors, with capabilities to include manpower, equipment, and material, are listed in the OSCP.

CGA equipment located at Intracoastal City, Louisiana and Cameron, Louisiana can be deployed and used should an upset occur at the project site. A Fast Response Open Sea and Bay Skimmer System will be used as a primary spill containment system. This system is usually deployed by a workboat. Several systems may be used for massive jobs with auxiliary tanks added as required. The system is designed to provide equipment capable of fast response to emergency spill situations. Response modes for the affected areas may include booms, skimmers, pumps, scare guns, and pads. Where indicated, rehabilitation centers would be set up as needed. Allowing 2 hours for loadout and 10 hours cruising at 10 knots results in a general capability of being 100 miles offshore in twelve (12) hours following notification of a spill. Project site is located approximately 25 miles from the nearest CGA Base which is in Cameron, Louisiana.

Additional CGA equipment would be deployed from Intracoastal City, Louisiana which is 110 miles from the project site. Should an upset occur at the project site, workboats assigned to the project will be used to transport oil spill containment equipment from the CGA base to the spill site. Additional boats are available in the Galveston area and will be procured as required. Boat procurement time is not expected to exceed 2 hours. Loadout will require approximately 2 hours, travel time to the site is expected to require 2 hour. Therefore, total response time is anticipated
to be approximately 8 hours. Inland travel time or inland waterway travel is not expected to cause any additional time and is not considered in the total response time.

Project site is located approximately 20 miles west, southwest of Cameron, Louisiana. Water depth may average 12 meters at and near the proposed drill sites. According to the Final EIS for Gulf of Mexico Sales 142 and 143, Section IV, the most probable areas of impact should an upset occur is in the Texas-Louisiana shoreline from Galveston and Jefferson County, Texas to Vermilion Parish, Louisiana. The highest probability for impact (42% probability) is the Cameron Parish, Louisiana coastline. The remaining areas are Jefferson County, Texas with 2% and Vermilion Parish, Louisiana with a 2% probability that an upset would impact their respective coastlines.

JEFFERSON COUNTY COASTLINE

The American Bald Eagle is known to inhabit the coastal wetlands, rivers, and lakes. Submerged clam beds are known to exist in the coastal wetlands as well. The J. D. Murphree State Wildlife Management Area contains 8,408 acres of coastal marshlands. The area is open to boating, nature study, bird watching and fishing. Supervised hunting is permitted. McFaddin Marsh is a Nature Conservancy Site containing 41,682 acres of marshlands and open water habitats.

Additionally, McFaddin Marsh contains 54,500 acres of value to endangered species and is identified by the State of Texas as an area of concern. The McFaddin National Wildlife Refuge is part of this total system. Recreational beaches are located along the coast to the coastal prairie marshlands of the Texas Point National Wildlife Refuge. The Texas Point Salt Point Marsh Natural Area contains brackish to freshwater marsh with some grass and locally scrub oak covered elongated topographic ridges.

CAMERON PARISH COASTLINE

Cameron Parish has a 42% probability of being affected by an upset contains recreational beaches and open water habitats within the marshlands. Primary fish and shellfish grounds are located along the coastal wetlands. The Rockefeller State Wildlife Refuge is partially located in Cameron Parish. The Bald Eagle is known to inhabit the coastal areas. A unique botanical system exists along the coastline within the marshlands.

VERMilion PARISH COASTLINE

The coastal waters and wetlands along the Vermilion Parish Coastline contain oyster beds and open water habitats within the marshlands. Cheniere Au Tigre, a 15,000 acre live oak forest is located in the extreme southern portion of the Parish. The Paul J. Rainey Wildlife Refuge is located near Vermilion Bay and contains 26,800 acres. The area is a winter habitat for ducks. The Rockefeller State Wildlife Refuge is a 84,000 acre site and habitat for marsh waterfowl and estuarine fish nurseries. Bird rookeries are located along the coastal wetlands.
Clean Gulf Associates Operations Manual, Volume II, Maps Numbers 3, 4, and 5 were used to identify the primary areas of potential impact should an upset occur at the project site. Protection response modes are specifically identified for these areas on these maps. Should an upset occur at the project site, nearshore booms will be deployed by helicopter to predetermined sites as determined by the onsite oil spill response team. These booms are expected to be deployed within four (4) hours of initial notification. This time will be mitigated where possible to provide the fastest possible response time. Additionally, dispersants will not be used on or near reefs or shell beds.

Phillips Petroleum Company is very much aware of its obligation to protect and preserve these areas. Immediately following an oil spill, a maximum effort will be made to shut off the source and contain the spill to minimize its extent and to aid in its physical removal. Following the spill, the various federal and state agencies will be notified as required. The nearest CGA Base will be notified of the spill and immediate preparations will be made to deploy the equipment necessary to contain and remove the spilled substance.
SECTION VII

Typical Drilling Mud Component Listing
### DRILLING MUD COMPONENTS THAT MAY BE UTILIZED OFFSHORE

<table>
<thead>
<tr>
<th>PRODUCT TRADE NAME</th>
<th>COMMON NAME</th>
<th>CHEMICAL TRADE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I. WEIGHT MATERIALS AND VISCOSIFIERS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL BAR</td>
<td>barite</td>
<td>barium sulfate</td>
</tr>
<tr>
<td>MILGEL</td>
<td>bentonite</td>
<td>bentonite</td>
</tr>
<tr>
<td>SALT WATER GEL</td>
<td>attapulgite</td>
<td>attapulgite clay</td>
</tr>
<tr>
<td>FLOSAE</td>
<td>asbestos fiber</td>
<td>chrysele asbestos</td>
</tr>
<tr>
<td><strong>II. DISPERSANTS (THINNERS)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNI-CAL</td>
<td>lignosulfonate</td>
<td>sodium lignosulfonate</td>
</tr>
<tr>
<td>DESCO</td>
<td>modified tannin</td>
<td>sulse methylated tannin + sodium di chromate</td>
</tr>
<tr>
<td><strong>III. FILTRATION CONTROL ADDITIVES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGCON</td>
<td>causticized lignite</td>
<td>NaOH treated lignite</td>
</tr>
<tr>
<td>CHEMTROL-K</td>
<td>polymer-treated lignite</td>
<td>polymer-treated lignite</td>
</tr>
<tr>
<td>DRISCOSE</td>
<td>CMC</td>
<td>sodium carboxy methyl cellulose</td>
</tr>
<tr>
<td>DRISPAC</td>
<td>PAC</td>
<td>polyanionie cellulose derivative</td>
</tr>
<tr>
<td><strong>IV. CHEMICALS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caustic Soda</td>
<td>caustic</td>
<td>sodium hydroxide</td>
</tr>
<tr>
<td>Soda Ash</td>
<td>soda ash</td>
<td>sodium carbonate</td>
</tr>
<tr>
<td>Bicarb of Soda</td>
<td>bicarb</td>
<td>sodium bicarbonate</td>
</tr>
<tr>
<td>MIL-LIME</td>
<td>lime</td>
<td>calcium hydroxide</td>
</tr>
<tr>
<td>PRODUCT TRADE NAME</td>
<td>COMMON NAME</td>
<td>CHEMICAL TRADE NAME</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>LD-8</td>
<td>defoamer</td>
<td>non-hydrocarbon defoamer</td>
</tr>
<tr>
<td>Aluminum Stearate</td>
<td>defoamer</td>
<td>aluminum stearate</td>
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<tr>
<td>NOXYGEN</td>
<td>oxygen scavenger</td>
<td>catalyzed, sodium sulfite</td>
</tr>
<tr>
<td>NOXYGEN L</td>
<td>oxygen scavenger</td>
<td>catalyzed ammonium bisulfite solution</td>
</tr>
<tr>
<td>LUBRI-SAL</td>
<td>lubricant</td>
<td>biodegradable, non-polluting vegetable oil</td>
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<tr>
<td>SUPER SHALE-TROL 202</td>
<td>Shale-Trol</td>
<td>aluminum organic acid complex</td>
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<tr>
<td>MILCHEM-HO</td>
<td>drilling detergent</td>
<td>drilling fluid detergent</td>
</tr>
<tr>
<td>SOLTEX</td>
<td>shale control additive</td>
<td>modified hydrocarbon (non-polluting)</td>
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**VI. LOSS OF CIRCULATION ADDITIVES**

<table>
<thead>
<tr>
<th>PRODUCT TRADE NAME</th>
<th>COMMON NAME</th>
<th>CHEMICAL TRADE NAME</th>
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<tbody>
<tr>
<td>MIL-PLUG</td>
<td>LCM</td>
<td>ground nut shells</td>
</tr>
<tr>
<td>MILMICA</td>
<td>LCM</td>
<td>flake mica</td>
</tr>
<tr>
<td>KWIK-SEAL</td>
<td>LCM</td>
<td>combination of granules flakes, and fibers</td>
</tr>
<tr>
<td>DIASEAL-M</td>
<td>high water loss lost circulation squeeze matl.</td>
<td>non-hazardous diatomite blend</td>
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SECTION VIII

Listing of Typical Equipment
TYPICAL
SEISMIC EQUIPMENT DATA SHEET

Equipment that may be used when performing additional seismic surveys on this lease/block.

BOAT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>Crew Type</td>
<td>Marine-Streamer</td>
</tr>
<tr>
<td>Boat Length</td>
<td>115 to 135’</td>
</tr>
<tr>
<td>Boat Width</td>
<td>25 to 30’</td>
</tr>
<tr>
<td>Loaded Draft</td>
<td>10’</td>
</tr>
<tr>
<td>No. of Generators</td>
<td>2</td>
</tr>
<tr>
<td>Size of Generators</td>
<td>60 Kilowatts</td>
</tr>
<tr>
<td>Type of Radios</td>
<td>Single Side Band VHF and CB</td>
</tr>
<tr>
<td>Number of Bunks</td>
<td>22 to 24</td>
</tr>
<tr>
<td>Radar</td>
<td>Decca (usually two)</td>
</tr>
<tr>
<td>Gyro</td>
<td>Sperry</td>
</tr>
<tr>
<td>Auto-Pilot</td>
<td>Raytheon or Simrad</td>
</tr>
<tr>
<td>Fathometers</td>
<td>Lorac or Radist with a Western Sat. Recvr for Lane Count</td>
</tr>
<tr>
<td>Navigation</td>
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CABLE INFORMATION

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<th>Description</th>
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<tr>
<td>Mfg and Type</td>
<td>Western Streamer</td>
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<tr>
<td>Length</td>
<td>10560’ + 2 - 220’ Elastic</td>
</tr>
<tr>
<td>Number of Groups</td>
<td>48</td>
</tr>
<tr>
<td>Group Interval</td>
<td>220’</td>
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<tr>
<td>Group Array</td>
<td>210’</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>4.2 mv/microbar</td>
</tr>
<tr>
<td>Number of Hydrophones</td>
<td>26 per Group</td>
</tr>
<tr>
<td>Number of Depth Control Devices</td>
<td>10</td>
</tr>
<tr>
<td>Number of Depth Detectors</td>
<td>6</td>
</tr>
<tr>
<td>Towing Depth</td>
<td>30 - 35’</td>
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RECORDING SYSTEM

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<tbody>
<tr>
<td>Type</td>
<td>Digital Data Systems</td>
</tr>
<tr>
<td>Number of Amplifiers</td>
<td>48 Data channels, 6-12 aux.</td>
</tr>
<tr>
<td>Type of Amplifiers</td>
<td>Binary Gain or Floating Point.</td>
</tr>
<tr>
<td>Normal Recording Filters</td>
<td>Lo-cut-out, High cut 125 Hz.</td>
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<tr>
<td>Format</td>
<td>Seg-A or Seg-C</td>
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<tr>
<td>Sample Rate</td>
<td>2 Milliseconds</td>
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<tr>
<td>Record Length</td>
<td>6 Second</td>
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ENERGY SOURCE

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<th>Description</th>
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<tbody>
<tr>
<td>Type</td>
<td>Aquapulse (sleeve exploder using oxy. and propane)</td>
</tr>
<tr>
<td>Number of Guns</td>
<td>6</td>
</tr>
<tr>
<td>Towing Depth</td>
<td>25 to 30’</td>
</tr>
<tr>
<td>No. of shots per group interval</td>
<td>2</td>
</tr>
</tbody>
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====================================
SECTION IX

Environmental Report
ENVIRONMENTAL REPORT
FOR COASTAL ZONE MANAGEMENT
CONSISTENCY DETERMINATION

SUPPLEMENTAL
DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
ENVIRONMENTAL REPORT
WEST CAMERON BLOCK 118
PHILLIPS PETROLEUM COMPANY
LAFAYETTE, LOUISIANA

CONTACT PERSON: 
MR. LOUIS HOOVER, III
REGIONAL REGULATORY REPRESENTATIVE
P.O. BOX 51107
LAFAYETTE, LOUISIANA 70505-1107
(318-261-4137)

MARCH 8, 1995

Prepared by:
C. ED YORK
505 N. MAPLE STREET
MUELSER, TEXAS 76252
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I. DESCRIPTION OF THE PROPOSED ACTIVITY

The Phillips Petroleum Company proposes to drill one (1) development well in the West Cameron Block 118 area. The approximate location of this activity is sixteen and one-half (16.5) Statute miles off the Louisiana Coast near Cameron Parish. (See Map # 1)

The well will be drilled from a jackup rig. The surface location of the activity is indicated below.

<table>
<thead>
<tr>
<th>Well Site (see Map # 2)</th>
<th>Surface Location</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well #14</td>
<td>6,900' FNL &amp; 7,525' FWL</td>
<td>10,780' TMD</td>
</tr>
</tbody>
</table>

The proposed activities will be carried out and completed with the guarantee of the following items:

1. The best available and safest technologies will be utilized throughout the project. This includes meeting all applicable requirements for equipment types, general project layout, safety systems, and equipment and monitoring systems.

2. All operations will be covered by a MMS-approved oil spill contingency plan.

3. All applicable Federal, State and local requirements regarding air emission and water quality and discharge for the proposed activities, as well as any other permit conditions, will be complied with.

A. Transportation Modes, Routes and Support Vessels

The proposed project will utilize the Grand Chenier, Louisiana Service Base for supplies and transportation. During the drilling operation support vessels include one crew boat making two trips per week and one supply vessel making two trips per week to the rig. Aviation support will require one helicopter making seven trips per week. Following drilling, the production operations will require one helicopter making seven trips per week and one crew boat making one trip per week.

Boat traffic to the rig/platform will depart Grand Chenier southward to the entrance to the Gulf of Mexico, thence following the most direct route to West Cameron Block 118. Helicopter flight routes will include FAA specified clearance and most direct VFR, IFR flight paths to the rig/platform.
PROPOSED SURFACE LOCATIONS

<table>
<thead>
<tr>
<th>BLOCK</th>
<th>WELL</th>
<th>CALLS</th>
<th>X (FEET)</th>
<th>Y (FEET)</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>14</td>
<td>6900' FNL</td>
<td>7525' FWL</td>
<td>1,266,154.28'</td>
<td>313,100.00'</td>
<td>29°30'26.463&quot;</td>
</tr>
</tbody>
</table>

PUBLIC INFORMATION

PHILIPS 14

BLK. 118
PHILLIPS PETROLEUM COMPANY
OCS-0757

GULF OF MEXICO

WEST CAMERON AREA
SABINE PASS AREA

PHILLIPS PETROLEUM COMPANY
EXPLORATION AND PRODUCTION GROUP
101 FEU FOLLET
LAFAYETTE, LOUISIANA 70508

SUPPLEMENTAL DOCD
WEST CAMERON AREA
BLOCK 118

PREPARED BY C & C TECHNOLOGIES, INC.
500 DOVER BLVD. LAFAYETTE, LA 318 / 981-1442
JOB # 95-2193
MAP NO. 952193A
REVISED DATE 03/08/95
SHEET 1 OF 1
B. Support Base

The Phillips Petroleum Company maintains a support facility in Grand Chenier. This facility is designed to provide shore-base operations support to the production, drilling and marine equipment operating in the Western Sector of the Gulf of Mexico. Consequently, all necessary support functions for the proposed activity will be provided by this facility.

The Phillips facility is currently manned at an adequate level to support the proposed activity. Therefore, no additional onshore employment will be generated as a result of this action.

C. New Support Facilities

It has been determined in the DOCD that the existing support facilities are adequate at this time to service the level of activity projected as a result of this project. Therefore, no new support facilities are required.

D. New Or Unusual Technologies

No new techniques or unusual technology will be utilized that may affect coastal waters.

E. Maps

Two maps are included in this report; Map #1 is a vicinity map showing the general location of the proposed project in relation to the affected State's coastal zone. Map #2 contains a location plat.

F. Transportation of Oil and Gas

The proposed plans for the transportation of hydrocarbons are to flow via an existing pipeline located in Block 118.

Hydrocarbon production as a result of the proposed project is anticipated to result in:

- Gas - 9,000 MCFD
- Oil - 160 BOPD
II. DESCRIPTION OF THE AFFECTED ENVIRONMENT AND IMPACTS

This section will address the effects of the proposed activity on the areas adjacent to the site and the affected State's coastal zone.

A. Physical and Environmental

1. Commercial Fishing

Louisiana ranks among the top five states in the nation with regard to the total value of its fishery. For the last several years, Louisiana has been the number one state in weight of fishery products landed.

The shrimp fishery is the most valuable fishery in Louisiana as well as the United States. The Gulf of Mexico region accounts for over half of the U.S. shrimp production. In terms of harvested weight, however, the Gulf Menhaden is by far the largest contributor to the total commercial landings in Louisiana.

The proposed project is located in the National Marine Service fishing zone 17; water depths in this block vary from approximately 10 to 12 meters. In this grid zone, Menhaden account for 90% of the total commercial landings by weight. Shrimp account for approximately 8% of the total catch. The average catch based on 1977-1981 landings for grid zone 17 is 299,068,853 pounds worth over $38 million.

In 1991, the following nine species each accounted for landings valued at over $1 million: black drum, red mullet roe, shark, red snapper, spotted sea trout, bluefin tuna, yellowfin tuna, blue crab, and the American oyster. (Draft EIS, Gulf of Mexico, 1993)

The major potential impacts of the proposed activity on commercial fisheries are:

a. Loss of approximately two hectares of seafloor from use by trawlers. Installations like drilling rigs and platforms actually take up very little sea space; but to protect them, operators are permitted to establish safety zones around them, generally one quarter nautical mile in radius.

b. Underwater obstructions such as pipelines are potential sources of hindering bottom trawling due to net hanging. Current regulations require that a pipeline be trenched to a depth of three feet in water depths of less than 200 feet. With proper backfilling, the pipeline should present no problem for trawlers; however, the dynamics of local bottom sediments and tides must be recognized for inadvertent effects.
The OCS Act Amendments provide for a Fisherman's Contingency Fund financed from oil revenues to compensate commercial fisherman for losses or damage to gear resulting from oil industry operations.

The impacts associated with the proposed activity are considered minimal. These impacts are otherwise offset by the beneficial increase in biomass near the platform/rig. These structures serve as artificial reefs for marine communities by providing a substrate for epifauna to grow on. Pelagic fish then are attracted to these areas to feed on the attached organisms thereby resulting in greater fishery yields in these areas.

2. Shipping

The Port of Lake Charles is the nearest Louisiana port to the proposed activity. Hydrocarbons, fuels, chemicals, rice and lumber are the major commodities shipped from and to Lake Charles via the Lake Charles Deep Water Channel. Vessel traffic during 1981 totaled 42,301 vessels utilizing the channel.

The nearest shipping fairway is approximately 2 miles north of the activity site. The Phillips Petroleum Company is aware of the operational restrictions in these areas and will conduct their operations in accordance with all applicable restrictions. Thus, the proposed activity is not expected to adversely affect any shipping fairway, transit or anchorage area.

3. Recreation

Many fish and shell fish sought after for commercial value are also pursued for sport in coastal Louisiana. Saltwater sport species include spotted sea trout, red drum, red snapper, Florida pompano and tarpon. The offshore permanent structures provide highly productive artificial reefs that are favorable fishing areas for saltwater sport fisherman. Additionally, these offshore structures serve as navigational aids for small boat operators and occasionally provide shelter and refuge during storms and mechanical breakdowns. Thus, the implementation of this project is not expected to produce any adverse impacts on sport fishing and pleasure boating; in fact, recreational potential will be slightly increased due to this action.

4. Cultural Resources

Underwater archeological studies were addressed under the previous DOD. Visual #4 for EIS Lease Sale 62 and 62A indicates that there are no shipwrecks in Block 118. No other cultural resources were determined as a result of this analysis.
The Phillips Petroleum Company is aware of operational restrictions with regard to cultural or archeological resource protection. Consequently, the activities associated with this project are not expected to produce any adverse impacts on these resources.

5. Ecologically Sensitive Features

The proposed project is located approximately 16.5 miles from the Cameron Parish coast. This coastal area is characterized by numerous acres of marsh which provide habitat for a variety of wildlife and also serve as primary nursery grounds for fish and shellfish.

The Rockefeller Wildlife Refuge, an 84,000 acre wildlife area, is approximately 48 miles northeast of the proposed site. This refuge serves many conservation and preservation functions in wildlife management. Duck and geese concentrations occur in and around the Refuge.

The nearest recreational beach, Holly Beach, is approximately 16 miles northeast of the proposed activity.

The proposed project will not generate any new or expanded onshore facilities, therefore no adverse impacts on the coastal environment, Rockefeller Wildlife Refuge or the recreational potential of the coastal beaches is expected as a result of this action.

There are no known ecologically sensitive areas or areas of particular concern in or near West Cameron Block 118 which would be adversely or otherwise affected by the proposed action.

6. Existing Pipelines and Cables

A pipeline occurs along the northern border of Block 118. Other minor pipelines are also present that tie-in the existing wells near the project site. Thus, Phillips Petroleum Company is aware of the pipeline locations and will conduct their operations without any adverse effects on these existing structures.

There are no known cables in Block 118 which would obstruct or hinder the proposed project.
7. Other Mineral Uses

There are no known plans to produce other minerals other than those hydrocarbons associated with the proposed activity in West Cameron Block 118.

8. Ocean Dumping Grounds

Ocean dumping is prohibited in West Cameron Block 118. The Phillips Petroleum Company will dispose of drill cuttings, sanitary and domestic waste in accordance with their NPDES permit.

9. Endangered or Threatened Species

The proposed project, located 16.5 miles off the Cameron Parish, Louisiana coast, is within the range of five endangered species of whales, three endangered turtle species and two species of turtles classified as threatened.

a. Whales (Endangered)

- Sei whale (Balaenoptera borealis) - This species is a possible winter resident of the Gulf of Mexico.

- Fin whale (Balaenoptera physalus) - This species is a possible winter resident of the Gulf of Mexico.

- Blue whale (Balaenoptera musculus) - This species is uncommon to the Gulf of Mexico.

- Humpback whale (Megaptera novaeangliae) - This species is a possible winter resident of the Gulf of Mexico.

- Sperm whale (Physeter catodon) - The most common of the endangered whales to occur in the Gulf of Mexico.

Migratory patterns of the whales listed above are not directly known. It is presumed, however, that these species occur mainly in the deeper waters of the Gulf of Mexico. Therefore, the proposed project is not expected to adversely affect whale populations or migratory patterns.
b. Turtles (Endangered and Threatened)

- Kemps Atlantic ridley (Lepidochelys kempii) - The shrimping grounds of the northern Gulf of Mexico is a primary feeding area for this endangered species.

- Hawksbill turtle (Eretmochelys imbricata) - An endangered species that may occur in the coastal waters of Louisiana.

- Leatherback turtle (Dermochelys coriacea) - The range of this endangered species is usually the deeper waters of the Gulf of Mexico; however, observations have been made of large numbers of leatherbacks feeding on jellyfish in inshore waters during summer (USDI, EIS, OCS Sale 58A, pg. 62)

- Green turtle (Chelonia mydas) and the Loggerhead turtle (Caretta caretta) are listed as threatened and occur in the Gulf of Mexico waters.

c. Onshore Species (Endangered and Threatened)

- American alligator (Alligator mississippiensis) - This species currently classified as Threatened due to "Similarity of Appearance" on the federal list of endangered species in the coastal areas of Louisiana. Subsequently, twelve parishes currently are allowed to permit regulated harvests of alligators in their respective parishes; Cameron Parish is one of these. State laws govern the harvests and allow the taking of alligator hides and meat during harvest seasons.

The American Alligator is the only species currently on the federal list of endangered or threatened species that is commonly found in the coastal areas near the project.

- Red Wolf (Canis rufus) - Meager numbers of this species are present in parts of southwestern Louisiana (Cameron and Calcasieu Parishes) and extreme southeastern Texas (Lowery, 1974).

The proposed project does not require any additional onshore facilities; therefore, there are no expected impacts on the habitat of these onshore endangered or threatened species as a result of this action.

B. Socio-economic: Not applicable at this time.
III. UNAVOIDABLE ADVERSE IMPACTS

The environmental consequences of the proposed project are expected to be minimal. Most impacts identified will be of a temporary nature and will occur in the immediate vicinity of the operation. Therefore, no long term effect on the environment is expected.

Unavoidable adverse impacts include:

- An increase in air pollutants is a result of power generation during drilling and transportation modes. However, an air quality review has been conducted pursuant to 30 CFR 250.57. The findings of this review indicate that the projected emissions are well below the exemption rates and pose no significant impact on the ambient air quality of the onshore environment.

- A temporary reduction in water quality due to the disposal of drill cuttings, deck drainage and sanitary and domestic waste will occur as a result of this action. During the disposal of drill cuttings, an increase in turbidity will be evident as a result of drilling fluids adhering to these particles. Since the availability of sunlight is an important factor in photosynthesis, it has been found that increased turbidity reduces photosynthesis. However, this effect will be short-term and will return to normal once the drilling phase is completed. The additional sources of water pollutants are also expected to produce minimal and short-term effects on the water quality near the rig. These pollutants are regulated by the U.S. Environmental Protection Agency's effluent guidelines (40 CFR Part 435) for oil and gas extraction. Conformance to these guidelines will be carried out throughout the project period.

- Burial of immobile benthic organisms will occur during the discharge of drill cuttings. Drill cuttings accumulate on the sea floor covering an area of approximately 150 feet in diameter; in the affected area the impact is localized and dissipates over time by currents. Mobile benthic organisms from the surrounding sea floor adjust rather rapidly to these changes and build homes on top of the cuttings. Within months the affected area is again flourishing with new benthic communities (Zingula et al, 1977). Thus, the impacts associated with this activity will be short-term and localized.

- There will be a temporary loss of approximately five acres (2 hectares) of sea space that will be unavailable for commercial fishing.

Positive impacts of the proposed action includes:

- An increase in biomass near the rig/platform, thus, resulting in higher productivity.
Offshore structures may serve as navigation aids and during mechanical breakdowns or inclement weather provide refuge for boat operators.
REFERENCES


APPENDIX

COASTAL ZONE MANAGEMENT
CONSISTENCY CERTIFICATE
SECTION X

Air Quality Review
Phillips Petroleum Company
West Cameron Block 118

PROJECTED EMISSIONS FOR DEVELOPMENT OPERATIONS
FOR COMPLIANCE PURSUANT TO 30 CFR 250.57 AIR QUALITY
REGULATIONS

I. General Information

Operation Description:  Supplemental Development Operations
Owner/Operator:  Phillips Petroleum Company
Address:  P.O. Box 51107, Lafayette, Louisiana 70505-1107
Contact Person:  Louis Hoover III, Regional Regulatory Representative

Location of Project:  West Cameron Block 118 (OCS-G-0757)

Drilling Operations Schedule:

   Begin -  May 1, 1995
   End -  June 14, 1995

Distance to Shoreline (mean high water line):
   Sixteen and One-Half (16.5) Statute Miles

II. Synopsis

The projected emissions derived as a result of this review represent a maximum
(liberal) assessment for indicator pollutants. The findings of this assessment indicate
that the proposed emissions herein are well below the exemption rates and pose no
significant impact on the ambient air quality of the onshore environment. Based on
this assessment, no further air quality review is required.
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<th>COMPANY</th>
<th>Phillips Petroleum Company</th>
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<tr>
<td>AREA</td>
<td>West Cameron</td>
</tr>
<tr>
<td>BLOCK</td>
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<tr>
<td>LEASE</td>
<td>OCS-G-0757</td>
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<td>PLATFORM</td>
<td>Jackup Rig</td>
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<tr>
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<tr>
<td>COMPANY CONTACT</td>
<td>Mr. Louis Hoover III</td>
</tr>
<tr>
<td>TELEPHONE NO.</td>
<td>(318) 261-4137</td>
</tr>
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**BEST AVAILABLE COPY**
### III. 1995 Air Emission Calculations

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<th>RUN TIME</th>
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BEST AVAILABLE COPY
### III. 1996 Air Emission Calculations

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### III. 1997 AND CONTINUOUS AIR EMISSION CALCULATIONS

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**BEST AVAILABLE COPY**
### IV. SUMMARY OF AIR EMISSION CALCULATIONS

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V. Exemption Formula

The projected emissions from operations are to be compared with "exemption rules" for the facility location. If the amount of these projected emissions is less than or equal to the emissions amount "E" for the air pollutant, the facility is exempt for that air pollutant from further air quality review.

The following formulas pursuant to 30 CFR Part 250 Sec. 250-57-1 (d) are used to determine exemption rates:

For CO; \( E = 3400 \ D \ \text{EXP} \ 2/3 \)
For TSP, SO2, NOx, VOC: \( E = 33.3D \)
\( D = \) distance of the facility in statute miles from the closest onshore area

Based upon these exemption formulas, the following emission rates were computed for West Cameron Block 118. Distance from nearest onshore area is sixteen and one-half (16.5) statute miles.

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## EXHIBIT A. AIR EMISSION FACTORS

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<td>NG Flares</td>
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<td>6.6</td>
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<td>Fugititives</td>
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<td>Glycol Dehydrator Vent</td>
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<td>Gas Venting</td>
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EXHIBIT B MISCELLANEOUS INFORMATION

DRILLING:

Total Well Footage to be Drilled - 10,780 ft.
Period - 45 days

Supply Boats:
3000 Hp
4 hours waiting time: 2 per week during drilling
1 per week during production

Base: Grand Chenier, Louisiana

Crew Boats:
2500 Hp
1 Hour Waiting Time: 2 per week during drilling
1 per week during production

Base: Grand Chenier, Louisiana

Helicopters:
2 Engines
1 Trip Per Day: 7 per week during drilling
7 per week during production

Base: Grand Chenier, Louisiana
SECTION XI

CZM Certification and Legal Notices
COASTAL ZONE MANAGEMENT CONSISTENCY CERTIFICATION

SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
PROPOSED WORK

GULF OF MEXICO, OFFSHORE CAMERON PARISH
PROJECT AREA

FEDERAL LEASE OCS-G-0757, CAMERON BLOCK 118, WELL NO. 14
LEASE/WELLNAME/NUMBER

"THE PROPOSED ACTIVITIES DESCRIBED IN DETAIL IN THIS PLAN COMPLY
WITH LOUISIANA'S APPROVED COASTAL ZONE MANAGEMENT PROGRAM
AND WILL BE COMPLETED IN A MANNER CONSISTENT WITH SUCH
PROGRAM".

ARRANGEMENTS HAVE BEEN MADE WITH THE MORNING ADVOCATE IN
BATON ROUGE AND THE CAMERON PARISH PILOT TO PUBLISH A PUBLIC

PHILLIPS PETROLEUM COMPANY
LESS OR OPERATOR

LOUIS HOOVER, III
CERTIFYING OFFICIAL

9 MAR 95
DATE
March 9, 1995

FILE: Lease OCS-G 0757
WEST CAMERON BLOCK 118
LEASE
Gulf of Mexico, Central
Offshore, Louisiana
AGENCY REPORTS

RE: LADNR-LCMS
Public Notice
Federal Consistency Review

Cameron Parish Pilot
Post Office Box 995
DeQuincy, Louisiana 70633

Gentlemen:

Attached hereto is a public notice to be run in the CAMERON PILOT by March 15, 1995. Proof of publication is required.

Please direct billing advice as well as proof of publication to the attention of the undersigned.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

[Signature]
Louis Hoover, III

LH,III:jlb
Attachment

XCC: U. S. Department of the Interior (w/attach)
MINERALS MANAGEMENT SERVICE
Exploration and Development Plans Unit
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394
Public Notice of Federal Consistency review of a Proposed Exploration Plan by the Coastal Management Section/Louisiana Department of Natural Resources for the Plan’s consistency with the Louisiana Coastal Resources Program.

APPLICANT:                  Phillips Petroleum Company  
                             Post Office Box 51107  
                             Lafayette, Louisiana 70505-1107  
                             Attention: Mr. Louis Hoover, III

LOCATION:                   West Cameron Block 118  
                             Lease OCS 0757  
                             Lease offering date May, 1960

DESCRIPTION:               Proposed development plans for the above area provide for the development drilling and completion of Well No. 14. Activities will include drilling from a jack-up type rig and transport of drilling crews and equipment by helicopter and/or cargo vessel from an onshore base located at Grand Chenier, Louisiana. No ecologically sensitive species or habitats are expected to be located near or affected by these activities.

A copy of the Plan described above is available for inspection at the Coastal Management Section Office located on the 10th Floor of the State Lands and Natural Resources Building, 625 North 4th Street, Baton Rouge, Louisiana. Office hours: 8:00 a.m. to 4:30 p.m., Monday through Friday. The public is requested to submit comments to the Coastal Management Service. Attention: OCS Plans, Post Office Box 44396, Baton Rouge, Louisiana 70804. Comments must be received within 15 days of the date of this notice or 15 days after the Coastal Management Section obtains a copy of the Plan and it is available for public inspection. This notice is provided to meet the requirements of the NOAA Regulations on Federal Consistency with approved Coastal Management Programs.
March 9, 1995

FILE: Lease OCS-G 0757
      West Cameron Block 118
      L E A S E
      Gulf of Mexico, Central
      Offshore, Louisiana
      AGENCY REPORTS

RE: LADNR-LCMS
    Public Notice
    Federal Consistency Review

Baton Rouge Morning Advocate
Public Notice Department
ATTENTION: Ms. Heather Allen
Post Office Box 588
Baton Rouge, Louisiana 70821

Dear Ms. Allen:

Attached hereto is a public notice to be run in THE MORNING ADVOCATE by March 15, 1995. Proof of publication is required.

Please direct billing advice as well as proof of publication to the attention of the undersigned.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

[Signature]

Louis Hoover, III

LH,III:jlb
Attachment
xcc: U. S. Department of the Interior (w/attach)
      MINERALS MANAGEMENT SERVICE
      Exploration and Development Plans Unit
      1201 Elmwood Park Boulevard
      New Orleans, Louisiana 70123-2394

BEST AVAILABLE COPY
Public Notice of Federal Consistency review of a Proposed Exploration Plan by the Coastal Management Section/Louisiana Department of Natural Resources for the Plan's consistency with the Louisiana Coastal Resources Program.

APPLICANT: Phillips Petroleum Company
Post Office Box 51107
Lafayette, Louisiana 70505-1107
Attention: Mr. Louis Hoover, III

LOCATION: West Cameron Block 118
Lease OCS 0757
Lease offering date May, 1960

DESCRIPTION: Proposed development plans for the above area provide for the development drilling and completion of Well No. 14. Activities will include drilling from a jack-up type rig and transport of drilling crews and equipment by helicopter and/or cargo vessel from an onshore base located at Grand Chenier, Louisiana. No ecologically sensitive species or habitats are expected to be located near or affected by these activities.

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OIL AND GAS LEASE OF SUBMERGED LANDS UNDER THE OUTER CONTINENTAL SHELF LANDS ACT

This indenture of lease entered into and effective as of May 1, 1960, by and between the United States of America, hereinafter called the lessee, by the Director, Bureau of Land Management, and

Phillips Petroleum Company
Rutland, Okla.

hereinafter called the lessor, under, pursuant to and subject to the terms and provisions of the Outer Continental Shelf Lands Act of August 7, 1953 (16 Stat. 994; 43 U.S.C. sec. 1311, et seq.), hereinafter referred to as the act, and to all lawful and reasonable regulations of the Secretary of the Interior (hereinafter referred to as the Secretary) when not inconsistent with any express and specific provisions hereinafter which are made a part hereof.

WITNESSETH:

SECTION 1. Rights of Lessor.—That the lessee, in consideration of the sum of $7,250,000, and of the rents and royalties to be paid, and the conditions and covenants of this indenture, do hereby grant and lease to the lessee a non-exclusive right and privilege to drill for, mine, extract, remove and dispose of all oil and gas deposits on or under the following described area of the outer Continental Shelf (as that term is defined in the act):

All of Eakin 114, Bank County, Oklahoma, on an official mapping sheet in T. 30 N., R. 50 W., Outer Continental Shelf Leasing Map (1952 revision, offshore operations). 28-4-1070.55

containing 5,800 acres, more or less (hereinafter referred to as the leased area), together with

(a) the non-exclusive right to conduct within the leased area geological and geophysical operations which are not unduly harmful to aquatic life;

(b) the right to drill water wells within the leased area and use free of cost, and to dispose of, water produced from such wells;

(c) the right to construct or erect and to maintain within the leased area all artificial islands, platforms, roads or other structures, wells, tanks, dikes, pipelines, and other works and structures necessary or convenient to the full enjoyment of the rights granted by this lease, for a period of 8 years and as long thereafter as oil or gas may be produced from the leased area in paying quantities, or drilling or reworking operations, as approved by the Secretary, are conducted thereon; subject to any restrictions or posting agreements hereinafter or hereafter approved by the Secretary which affect the leased area or any parcel thereof, the provisions of such agreements to govern the leased area or parcel thereof subject thereto where inconsistent with the terms of this lease.

Sec. 2. Obligations of Lessor.—In consideration of the franchises, the lessee agrees

(a) Rents.—To maintain at all times the bond required prior to the acceptance of this lease and to make such additional payments as and when required by the Secretary if, after operations or production have commenced, the minimum annual rent is not paid. The minimum annual rent is $1,250,000, payable in equal monthly installments. If the lessee fails to pay the minimum annual rent when due, any interest thereon at the rate of 6% per annum, and all other amounts due the Secretary under the terms and conditions of this lease, including any penalty provided for herein, shall be paid whenever due, in cash, and in the manner prescribed by the Secretary.

(b) Cooperation or unit plan.—Within 30 days after demand, to subscribe to and to operate under such reasonable cooperative or unit plan for the development and operation of the area. Said plan may be on a pool, or part thereof, embracing lands included herein as the Secretary may direct. Such determinations shall be made only after due notice to the lessee and reasonable opportunity given the lessee to be heard.

(c) Wells.—(1) To drill and produce such wells as are necessary to protect the lessee from loss by reason of production on other properties or, in the event thereof, with the consent of the lessor and the lessee to bar any such production or production by other lessees, to make such other production subject to the terms and conditions of this lease. The lessee is authorized to produce such oil or gas as may be necessary to prevent any adverse effect upon the lessee's production or any other production on or under the lease at any time, and in such manner as may be necessary to prevent any adverse effect upon the lessee's production or any other production on or under the lease.

(2) After due notice is given, to drill and produce such other wells as the Secretary may reasonably require in order that the lessee may, at the lessor's cost or any part thereof, whether or not such well is productive, be protected against such production or production by other lessees on or under the lease.

(d) Rents and royalties.—(1) To pay rentals and royalties as follows:

Rentals.—To pay the lessee on or before the first day of each month, a rental of $1,250,000 per acre or fraction thereof.

Mineral royalties.—To pay the lessee (a) one-half of the royalty paid by lessee on or before the first day of each month, on or after the expiration of the term of this lease, in addition to the royalty payable hereunder, or (b) if the lessee shall fail to pay the royalty payable under the terms of this lease, the Secretary shall have the right to require such payment from the lessee.

(2) Royalty payments.—Unless otherwise provided by regulation, or by the Secretary, the lessee shall make payment of all rents and royalties to the Secretary of the United States, at the place of manufacture, and to be tendered to the Secretary in the form of products, or to be stored at the place of manufacture, to the credit of the United States, in accordance with the provisions of the Outer Continental Shelf Lands Act.

(3) Payments.—(a) Royalties.—In the event that the lessee fails to pay the royalty payable under the terms of this lease, the Secretary shall have the right to require such payment from the lessee.

(b) Royalty payments.—In the event that the lessee fails to pay the royalty payable under the terms of this lease, the Secretary shall have the right to require such payment from the lessee.

(c) Royalty payments.—In the event that the lessee fails to pay the royalty payable under the terms of this lease, the Secretary shall have the right to require such payment from the lessee.

(d) Royalty payments.—In the event that the lessee fails to pay the royalty payable under the terms of this lease, the Secretary shall have the right to require such payment from the lessee.

(e) Royalty payments.—In the event that the lessee fails to pay the royalty payable under the terms of this lease, the Secretary shall have the right to require such payment from the lessee.