

UNITED STATES GOVERNMENT  
MEMORANDUM


December 15, 2005

To: Public Information (MS 5030)  
From: Plan Coordinator, FO, Plans Section (MS 5231)

Subject: Public Information copy of plan  
Control # - S-06743  
Type - Supplemental Development Operations Coordinations Document  
Lease(s) - OCS-G01260 Block - 177 South Timbalier Area  
Operator - Chevron U.S.A. Inc.  
Description - Platform F and Wells F-1, F-2 and F-3  
Rig Type - Not Found

Attached is a copy of the subject plan.

It has been deemed submitted as of this date and is under review for approval.

  
Elmo Cooper  
Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
FIXED/F		6826 FNL, 6180 FWL	G01260/ST/177
WELL/F-1	G01260/ST/177	6826 FNL, 6180 FWL	G01260/ST/177
WELL/F-2	G01260/ST/177	6826 FNL, 6180 FWL	G01260/ST/177
WELL/F-3	G01260/ST/177	6826 FNL, 6180 FWL	G01260/ST/177

PIRS  
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CHEVRON U.S.A. INC.

SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION  
DOCUMENT

SOUTH TIMBALIER BLOCK 177

OCS-G-1260

OFFSHORE, LOUISIANA

July 22, 2005

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SECTION H	ENVIRONMENTAL IMPACT ANALYSIS
SECTION I	CZM CONSISTENCY INFORMATION
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CONTROL No. 5-6743

REVIEWER: Elmo Cooper

PHONE: (504) 731-7810

## SECTION A

## CONTENTS OF PLAN

(Lease Description/Activity, Objective, Schedule, Location, Drilling Unit, Production Facilities)

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### LEASE DESCRIPTION

The effective date of Lease OCS-G-1260, South Timbalier Block 177 to Chevron is June, 1962. The lease is located off the Louisiana Coast in the Central Gulf of Mexico.

### OBJECTIVE

Chevron submits this Supplemental Development Operations Coordination Document to include the following as detailed below:

- Topsides installation of South Timbalier Block 177 "F" satellite structure. The well protector structure installation was approved under Revised EP Plan Control No. R-4156
- Installation of a 6" High Pressure pipeline, 8" Low Pressure pipeline, and a 3" Gas Lift pipeline
- Development and Production of OCS-G-1260 well A (#F-1), well B (#F-2), and well C (#F-3) which will be drilled under previously approved Supplemental EP Plan Control No. S-6084 and Revised Plan Control No. R-4156.

Chevron's current plans do not propose the drilling of wells, therefore, a discussion of geological objectives is not required.

### SCHEDULE

Tentative schedules (from start to completion) of the development and production activities are included as Attachment A-3 MMS-137 "OCS Plan Information Form" in accordance with Appendix J.

## LOCATION

A Location/Bathymetry Plat depicting the surface location(s) and water depth(s) of our proposed well(s), any associated anchors and our proposed facilities, if applicable; and if permanent anchors, the area expected to be disturbed during construction of the facility is enclosed as Attachment A-1. A Drawing of the proposed structure is enclosed as Attachment A-2.

We have included as Attachment A-3 Form MMS-137 "OCS Plan Information Form" in accordance with Appendix J. The form includes a table indicating the surface location, bottom hole location, TVD, MD and water depth of the proposed wells and the surface location and water depth of each facility. Also included in the table is the distance from the lease lines, the Lambert x-y coordinates and the latitude and longitude. The type of lift/derrick barge to be used during the construction activities will be either a self elevating lift barge, spud barge or a dynamic positioning type barge, which uses thrusters to hold the barge in place during operations. In any case, an anchor pattern is not required.

## DRILLING UNIT

The subject wells will be drilled and completed utilizing the Ocean Drake Jack-up drilling rig under our approved EP. The drilling unit is designed to operate in water depths from twenty feet (25') to three hundred twenty eight feet (328'). The rig has a drilling depth capacity of 25,000 feet. Copies of the appropriate specifications will be included with the Permit to Drill (APD), and submitted to the appropriate MMS District Office.

The rig is equipped with safety, fire fighting and lifesaving equipment required to comply with USCG and ABS requirements including two (2) 54-person life boats, four (4) 25-person inflatable rafts, 104 individual life preservers, fire fighting equipment and general alarm system.

The rig has the necessary diverter system, blowout preventer, auxiliary equipment and mud testing and monitoring equipment. Drilling operations will be conducted in a manner so as to maximize pollution prevention in accordance with Title 30 CFR Part 250, Subpart C. All other safety control

equipment will be used in accordance with the applicable subparts of Title 30 CFR Part 250.

The MMS is required to conduct onsite inspections of offshore facilities to ensure that operators are complying with lease stipulations, operating regulations, approved plans and other conditions, as well as to ensure that the safety and pollution prevention requirements are being met.

## PRODUCTION FACILITIES

South Timbalier Block 177 "F" structure is a tripod satellite structure. It contains minimal surface facilities designed for high and low pressure applications and include: Well heads, test header, test separator, crane, gas lift provisions, supply gas, and sump. The structure is designed for remote applications consistent with the latest MMS Guidelines.

Wells on the ST 177 "F" platform will be tested on a monthly basis. High pressure bulk production from the ST177 "F" structure will be transported through the proposed 6" infield pipeline to ST 177 "E" structure. Low pressure bulk production from ST 177 "F" is transported through the proposed 8" infield pipeline to the ST 177 "E" structure.

\*CHEVRON 100.0%

6826' FNL

SURFACE LOCATION  
OCSG-1260  
WELLS "F1, F2 & F3"

6180' FWL

177

HBP

G1260

WELL "F1"

SURFACE LOCATION

X = 2,311,277

Y = -49,593

LONG: 90° 21' 51.3257"

LAT: 28° 31' 36.0578"

WELL "F2"

SURFACE LOCATION

X = 2,311,277

Y = -49,593

LONG: 90° 21' 51.3257"

LAT: 28° 31' 36.0578"

WELL "F3"

SURFACE LOCATION

X = 2,311,277

Y = -49,593

LONG: 90° 21' 51.3257"

LAT: 28° 31' 36.0578"

ATTACHMENT #A-1

188

Revisions

**ChevronTexaco**

SO TIMBALIER 176 FLD  
OFFSHORE LOUISIANA

**LOCATION/BATHYMETRY**

**OCSG-1260**

SOUTH TIMBALIER BLK 177

WELLS "F1, F2 & F3"

LATITUDE

BY:

C. I. =

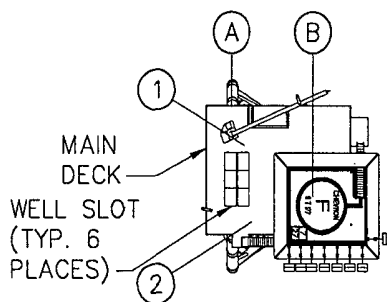
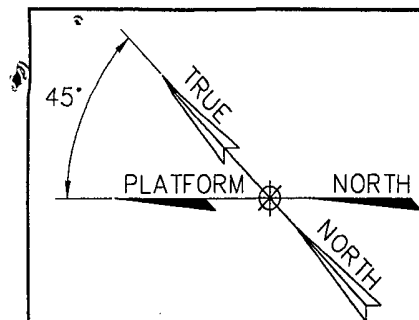
DATE: 05-23-05

SCALE: 1" = 1000'

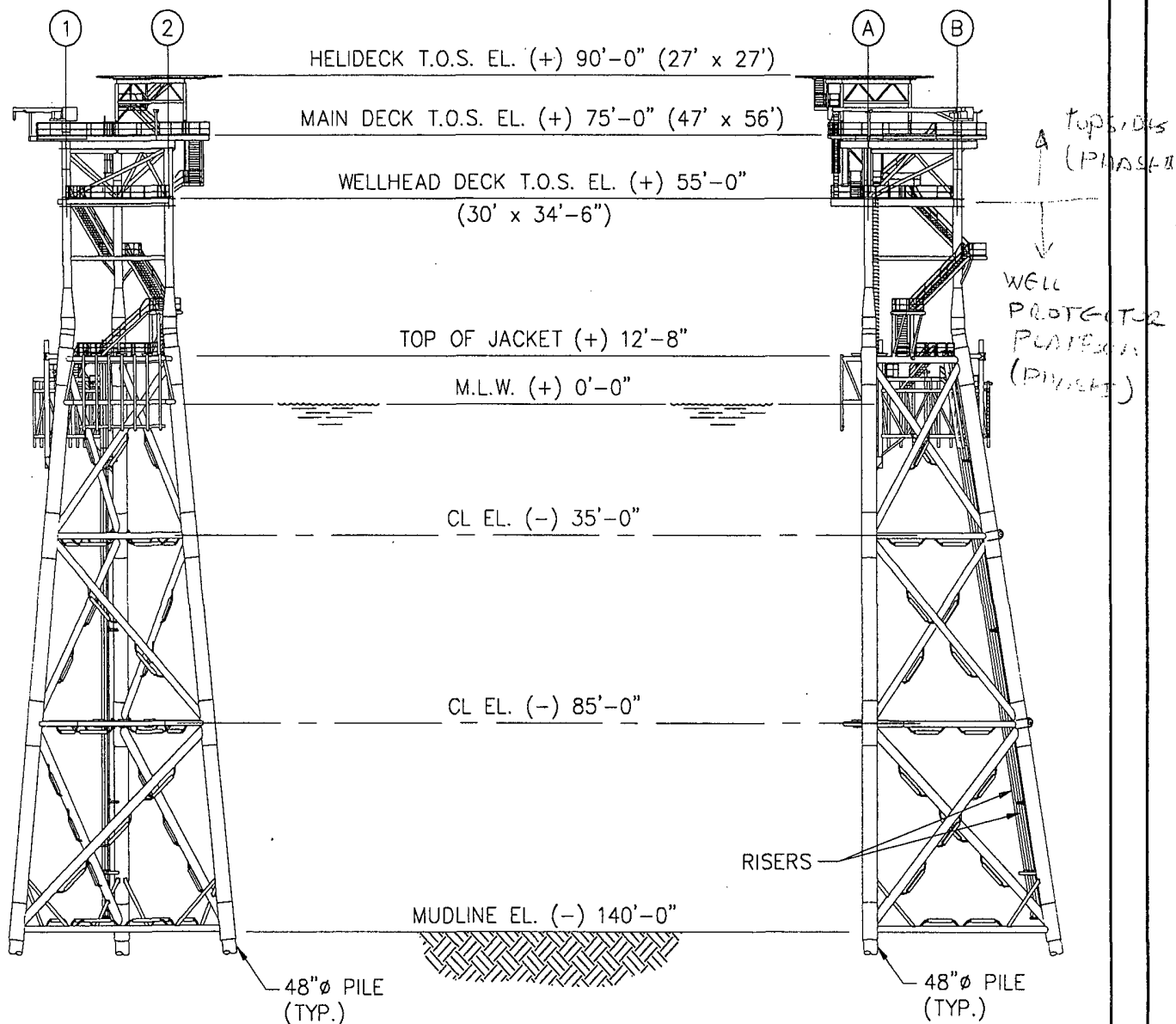
LONGITUDE

0' 1000' 2000'

1260 FWEL. LOC



### ASSEMBLY PLAN



### NORTH ELEVATION

### WEST ELEVATION

48"Ø PILE PENETRATION	
SINGLE BATTER = 282'	
DOUBLE BATTER = 280'	

<b>ChevronTexaco</b> <b>Chevron U.S.A. Inc.</b>		SOUTH TIMBALIER BLOCK 177 PLATFORM "F" OCS-G-01260 PERMIT PHASE II	
DWG. SCALE: NONE	DRAWN BY: PGH-EDG (3149.41)	SHEET A	DRAWING NUMBER N1884U03
ORIG. DATE: 05/09/05	CHECKED BY:		
PROJECT AFE:	APPROVED BY:		
PLOT SCALE: 1=1	PLOT DATE: JUN/07/05 11:16am		REV 0

### OCS PLAN INFORMATION FORM

General Information									
Type of OCS Plan:		Exploration Plan (EP)		<input checked="" type="checkbox"/> Development Operations Coordination Document (DOCD)					
Company Name: Chevron U.S.A. Inc.				MMS Operator Number: 00078					
Address: 935 Gravier Street				Contact Person: Shirley A. Rondeno					
New Orleans, LA 70112				Phone Number: (504) 592-6853					
				E-Mail Address: sron@chevrontexaco.com					
Lease(s): G-1260		Area: South Timbalier		Block(s) 177		Project Name (If Applicable): N/A			
Objective(s)		<input checked="" type="checkbox"/> Oil	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Salt	Onshore Base: Leeville Shorebase		Distance to closest land (Miles): 36.06	
Description of Proposed Activities (Mark all that Apply)									
<input type="checkbox"/> Exploration Drilling					<input type="checkbox"/> Development Drilling				
<input type="checkbox"/> Well completion					<input type="checkbox"/> Installation of production platform				
<input type="checkbox"/> Well test flaring (for more than 48 hours)					<input type="checkbox"/> Installation of production facilities				
<input type="checkbox"/> Installation of caisson or platform as well protection structure					<input checked="" type="checkbox"/> Installation of satellite structure				
<input type="checkbox"/> Installation of sub sea wellheads and/or manifolds					<input checked="" type="checkbox"/> Commence production				
<input checked="" type="checkbox"/> Installation of lease term pipelines					<input type="checkbox"/> Other (specify and describe)				
Have you submitted or do you plan to submit a Conservation Information Document to accompany this plan?								<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do you propose to use new or unusual technology to conduct your activities?								<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do you propose any facility that will serve as a host facility for deepwater sub sea development?								<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do you propose any activities that may disturb an MMS-designated high-probability archaeological area?								<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Have all of the surface locations of your proposed activities been previously reviewed and approved by MMS?								<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Tentative Schedule of Proposed Activities									
Proposed Activity		Start Date		End Date		No. of Days			
Pipeline Installation		01/01/2006		01/09/2006		9			
Topsides Installation of structure		01/06/2006		01/09/2006		4			
Commence Production		01/10/2006		01/14/2006		5			
Description of Drilling Rig					Description of Production Platform				
<input type="checkbox"/> Jack up		<input type="checkbox"/> Drill ship			<input type="checkbox"/> Caisson		<input type="checkbox"/> Tension leg platform		
<input type="checkbox"/> Gorilla Jack up		<input type="checkbox"/> Platform rig			<input type="checkbox"/> Well protector		<input type="checkbox"/> Compliant tower		
<input type="checkbox"/> Semi submersible		<input type="checkbox"/> Submersible			<input checked="" type="checkbox"/> Fixed platform		<input type="checkbox"/> Guyed tower		
<input type="checkbox"/> DP Semi submersible		<input type="checkbox"/> Other (attach description)			<input type="checkbox"/> Sub sea manifold		<input type="checkbox"/> Floating production system		
Drilling Rig Name (If known) N/A					<input type="checkbox"/> Spar		<input type="checkbox"/> Other (attach description)		
Description of Lease Term Pipelines									
From (Facility/Area/Block)		To (Facility/Area/Block)		Diameter (Inches)		Length (Feet)			
ST 177 "F"		ST 177 "E"		8		9850'			
ST 177 "F"		ST 177 "E"		6		9850'			
ST 177 "E"		ST 177 "F" (Gas lift)		3		9235'			



**OCS PLAN INFORMATION FORM (Continued)**

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): South Timbalier 177 "F" Structure				Sub sea Completion	
Anchor Radius (if applicable) in feet				Yes	No
Surface Location			Bottom-Hole Location (For Wells)		
Lease No.	OCS-G-1260				
Area Name	South Timbalier				
Block No.	177				
Block line Departures (in feet)	N / S Departure: 6826	F N L	N / S Departure:	F L	
	E / W Departure: 6180'	F W L	E / W Departure:	F L	
Lambert X-Y Coordinates	X: 2,311,277		X:		
	Y: -49,593		Y:		
Latitude / Longitude	Latitude: 28° 31' 36.0578"		Latitude:		
	Longitude: 90° 21' 51.3257"		Longitude:		
TVD (Feet)		MD (Feet)		Water Depth (Feet) 140'	
Anchor Locations for Drilling Rig or Construction Barge ( If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
N/A			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	

**NOTE: Topsides Installation will be performed with a derrick barge. Anchors will not be utilized.**

# OCS PLAN INFORMATION FORM (Continued)

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): OCS-G-1260 #F-1					Sub sea Completion
Anchor Radius (if applicable) in feet					Yes <input type="checkbox"/> X <input type="checkbox"/> No <input type="checkbox"/>
Lease No.		Surface Location		Bottom-Hole Location (For Wells)	
OCS-G-1260					
Area Name		South Timbalier			
Block No.		177			
Block line Departures (in feet)		N / S Departure: 6826	F N L	N / S Departure:	F L
		E / W Departure: 6180'	F W L	E / W Departure:	F L
Lambert X-Y Coordinates		X: 2,311,277		X:	
		Y: -49,593		Y:	
Latitude / Longitude		Latitude: 28° 31' 36.0578"		Latitude:	
		Longitude: 90° 21' 51.3257"		Longitude:	
TVD (Feet)		MD (Feet)		Water Depth (Feet) 140'	
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
N/A			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	

**NOTE: Anchors will not be utilized.**

**OCS PLAN INFORMATION FORM (Continued)**

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): OCS-G-1260 #F-2				Sub sea Completion	
Anchor Radius (if applicable) in feet				Yes	No
Surface Location		Bottom-Hole Location (For Wells)			
Lease No.	OCS-G-1260				
Area Name	South Timbalier				
Block No.	177				
Block line Departures (in feet)	N / S Departure: 6826	F N L	N / S Departure:	F L	
	E / W Departure: 6180'	F W L	E / W Departure:	F L	
Lambert X-Y Coordinates	X: 2,311,277		X:		
	Y: -49,593		Y:		
Latitude / Longitude	Latitude: 28° 31' 36.0578"		Latitude:		
	Longitude: 90° 21' 51.3257"		Longitude:		
TVD (Feet)		MD (Feet)		Water Depth (Feet) 140'	
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
N/A			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	

**NOTE: Anchors will not be utilized.**

**OCS PLAN INFORMATION FORM (Continued)**

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): OCS-G-1260 #F-3				Sub sea Completion	
Anchor Radius (if applicable) in feet				Yes	No
Surface Location			Bottom-Hole Location (For Wells)		
Lease No.	OCS-G-1260				
Area Name	South Timbalier				
Block No.	177				
Block line Departures (in feet)	N / S Departure: 6826	F N L	N / S Departure:	F L	
	E / W Departure: 6180'	F W L	E / W Departure:	F L	
Lambert X-Y Coordinates	X: 2,311,277		X:		
	Y: -49,593		Y:		
Latitude / Longitude	Latitude: 28° 31' 36.0578"		Latitude:		
	Longitude: 90° 21' 51.3257"		Longitude:		
TVD (Feet)		MD (Feet)		Water Depth (Feet) 140'	
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
N/A			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	

**NOTE: Anchors will not be utilized.**

## SECTION B

### GENERAL INFORMATION

(Contact, Project Name, Production rates and life of reserves, New or Unusual Technology, Bonding Information, Onshore Base and Support Vessels, Lease Stipulations, Related OCS facilities and operations, Transportation Information)

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#### CONTACT

Shirley A. Rondeno  
Chevron U.S.A. Inc.  
935 Gravier Street, Room 731  
New Orleans, LA 70112  
(504) 592-6853

Email: sron@chevrontexaco.com

#### PROJECT NAME

There is no project name for this Document.

#### PRODUCTION RATES AND LIFE OF RESERVES

The estimated life and production rates are as follows:

Well	Life of Reservoir	Average/Peak Production Rate
Well No. F-1		
Well No. F-2		
Well No. F-3		

#### NEW OR UNUSUAL TECHNOLOGY

This document does not propose the use of any new or unusual technologies.

## BONDING INFORMATION

In accordance with the regulations contained in Title 30 CFR 256, Subpart 1 and further clarified in Notice to Lessees (NTL 2000-G16); Chevron has on file with the Minerals Management Service and is covered by a \$3,000,000.00 area-wide bond 103312842-0012 effective October 18, 2001.

## ONSHORE BASE AND SUPPORT VESSELS

South Timbalier Block 177 is approximately 36.06 statute miles from the nearest shoreline, and approximately 51.9 miles from our shore base located in Leeville, LA. A vicinity plat showing the location of the block relative to the shoreline and the onshore base is included as Attachment B-1.

The Leeville Shorebase will serve as port of debarkation for supplies and crews. No onshore expansion or construction is anticipated with respect to the proposed activities. This base is capable of providing the services necessary for the proposed activities. It has 24-hour service, a radio tower with a phone patch, dock space, equipment and supply storage base, drinking and drill water, etc.

Helicopters will travel to and from this location and Chevron's Leeville Base and other platforms in the area. Travel frequencies of helicopters and support vessels during drilling and completion operations are listed below.

	Drilling	Construction	Production
Crewboat	N/A	N/A	N/A
Workboat	N/A	12 days	3/week
Helicopters	N/A	1/day	N/A

## LEASE STIPULATIONS

There are no lease stipulations in the South Timbalier Block 177 area which would affect any drilling or production associated with this DOCD.

## RELATED OCS FACILITIES AND OPERATIONS

Gas and liquid production from the South Timbalier 177 "F" wells will flow through a 6" High Pressure pipeline or a 8" Low Pressure pipeline to the ST 177 "E" facility. The 6" pipeline is approximately 9,850' in length and will make a SSTI on MMS Segment No. 13719 (10" bulk from ST 176 "A" to ST 177 "E"). The 8" pipeline is approximately 9,850' in length and will make a SSTI on MMS Segment No. 9772 (10" bulk from ST 176 "A" to ST 177 "E"). These SubSea Tie-Ins were originally installed during the ST189 "CB" pipeline installations earlier this year. The "CB" installation left extra tie in locations specifically for the "F" development.

On ST 177 "E" the Low production enters an LP bulk separator where the gas and liquid are separated. LP gas is compressed to high pressure and combined with HP gas from other wells. Oil and water are separated and the oil is metered and placed in the 8" departing sales line. High pressure production enters a HP bulk separator where the gas and liquid are separated. HP liquid is sent to the IP separator and eventually works its way to the sales line. HP gas is combined with HP gas from the compressor discharge, metered, and placed into the 10"/14" departing sales line.

The maximum flow rate is unknown at this time. Chevron will ensure all required safety equipment is installed, operational, and connected to the platform's automatic and remote emergency shut-in systems.

Produced water is processed on ST 177 "E" structure and discharged overboard, according to MMS regulations.

## TRANSPORTATION METHOD

Production from the wells will be handled by proposed 6" and 8" pipelines departing South Timbalier 177 "F" Structure to South Timbalier 177 "E" Structure.

Chevron does not anticipate the installation of any new downstream pipelines and/or processing facilities as a result of the new production from the proposed well.



## **SECTION C**

### **GEOLOGICAL & GEOPHYSICAL**

(Structure Maps, Interpreted Seismic Lines, Cross-Sections, Shallow Hazards Report, Shallow Hazards Assessment, High Resolution Seismic Lines, Stratigraphic Columns, H2S Information)

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#### **STRUCTURE MAPS**

This Supplemental Development Operations Coordination Document does not include any additional drilling from the proposed location. The proposed operations will be conducted from a previously approved surface location therefore; no Structure Maps are required for the proposed activity.

#### **INTERPRETED SEISMIC LINES**

The proposed operations will be conducted from a previously approved surface location therefore; Interpreted Seismic Lines are not required for the proposed activity.

#### **CROSS-SECTION MAPS**

The proposed operations will be conducted from a previously approved surface location therefore; Cross-Section Maps are not required for the proposed activity.

#### **SHALLOW HAZARDS REPORTS**

A "Hazards Study" was conducted for South Timbalier Block 177 by Thales Geo Solution during November 2002. The purpose of the survey was to evaluate geologic conditions and inspect for potential hazards or constraints to lease development.

Copies of this report were submitted to the Minerals Management Service with a previously approved Supplemental Exploration Plan.

## SHALLOW HAZARD ASSESSMENT

The proposed operations will be conducted from an approved surface location provided for under a previously approved Exploration Plan; therefore, copies of a Shallow Hazard Analysis are not required. The possibility of any shallow geologic hazard will be taken into account prior to performing any of the proposed development activities.

## HIGH RESOLUTION SEISMIC LINES

The proposed operations will be conducted from an approved surface location provided for under a previously approved Exploration Plan; therefore, copies of the High Resolution Seismic Lines are not required.

## HYDROGEN SULFIDE (H<sub>2</sub>S)

The area in which the proposed activities are to be conducted has been classified, in accordance with 30 CFR 250.417 ©, as "H<sub>2</sub>S absent" by the Minerals Management Service.

## **SECTION D**

## **BIOLOGICAL AND PHYSICAL INFORMATION**

(Chemosynthetic, Topographic Information)

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### **CHEMOSYNTHETIC**

The seafloor disturbing activities proposed under this Document are in water depths less than 400 meters (1312 feet). This section of the plan is not applicable.

### **TOPOGRAPHIC INFORMATION**

MMS and the National Marine Fisheries Service (NMFS) have entered into a programmatic consultation agreement for Essential Fish Habitat that requires that no bottom disturbing activities including anchors or cables from a semi-submersible drilling rig may occur within 500 feet of the no-activity zone of a topographic feature. If such proposed bottom disturbing activities are within 500 feet of a no activity zone, the MMS is required to consult with the NMFS.

The activities proposed under this Document are not affected by a topographic feature.

### **LIVE BOTTOM (PINNACLE TREND) INFORMATION**

In accordance with NTL 2004-G05, a survey report containing a bathymetry map prepared by using remote sensing techniques must be submitted to the Gulf of Mexico OCS Region (GOMR) before you can conduct any drilling activities or install any structures, including lease term pipelines on leases affected by the Live Bottom Stipulation.

South Timbalier Block 177 is not located within the vicinity of a proposed live bottom area and therefore, this section of the plan is not applicable.

## REMOTELY OPERATED VEHICLE (ROV) SURVEYS

Pursuant to NTL 2001-G04, operators may be required to conduct remote operated vehicle (ROV) surveys during pre-spud and post drilling operations for the purpose of biological and physical observations.

The seafloor disturbing activities proposed under this Document are in water depth less than 400 meters (1312 feet), therefore, an ROV survey plan is not required.

## SECTION E

## WASTE AND DISCHARGE INFORMATION

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### DISCHARGES

Discharges describe those wastes generated by your proposed activities that you dispose of by releasing them into the waters of the Gulf of Mexico at the site where they are generated, usually after receiving some form of treatment before they are released, and in compliance with applicable NPDES permits or State requirements.

In accordance with NTL 2003-G17 overboard discharges generated by our proposed activities proposed by this Document are not required to be submitted in this Supplemental Development Operations Coordination Document. All discharges will be in compliance with our NPDES General Permit GMG 290000.

### DISPOSED WASTES

Disposed wastes describe those waste generated by your proposed activities that are disposed of by means other than by releasing them into the waters of the Gulf of Mexico at the site where they are generated. These wastes can be disposed of by offsite release, injection, encapsulation, or placement at either onshore or offshore permitted locations for the purpose of returning them back to the environment.

Chevron U.S.A., Inc. will manifest these wastes prior to being offloaded from the structure and transported to shore for disposal at approved sites regulated by the State of Louisiana. Chevron will utilize the UIC-28 Waste Manifest Shipping Tickets to monitor the transportation and disposition of this associated waste; and will comply with any approvals or reporting and record keeping requirements imposed by the State where ultimate disposal will occur.

The Table included in Attachment E-1 details those wastes generated by our proposed activities that are disposed of by means of offsite release, injection, encapsulation or placement at either onshore or offshore permitted locations for the purpose of returning them back to the environment.

Table 2. Disposal Table Example (Wastes to be disposed of, not discharged) Attachment E-1

Type of Waste Approximate Composition	Amount*	Rate per Day	Name/Location of Disposal Facility	Treatment and/or Storage, Transport and Disposal Method
Spent oil-based drilling fluids and cuttings	None	None	None	None
Spent synthetic-based drilling fluids and cuttings	None	None	None	None
Oil-contaminated produced sand	None	None	None	None
Waste oil	None	None	None	None
Produced water	None	None	None	None
Produced water	None	None	None	None
Norm-contaminated wastes	None	None	None	None
Trash and debris	1000 ft <sup>3</sup>	3 ft <sup>3</sup> /day	Solid Waste Disposal Inc./Riverbirch Landfill Avondale	Transport in storage bins on crew boat to shorebase
Chemical product wastes	None	None	None	None
Chemical product wastes	None	None	None	None
Workover fluids	None	None	None	None

\*can be expressed as a volume, weight, or rate

## SECTION F OIL SPILL INFORMATION

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The following information is regarding the recent biennial update to our Regional Oil Spill Response Plan (OSRP) approved by the MMS in a letter dated June 21, 2004. Please be advised that the Worst Case Discharge Analysis information for the "Farshore" case was recently updated and submitted to the MMS for approval on May 10, 2005.

Chevron USA, Inc., Sabine Pipeline Company, Inc. and ChevronTexaco Pipeline Company, Inc. all of which are wholly or partially owned subsidiaries of Chevron Texaco Corporation are covered under the above referenced OSRP as well as the activities proposed in this Supplemental DOC.

All produced liquid hydrocarbons associated with this application will be transported by pipeline.

Clean Gulf Associates (CGA) and Marine Spill Response Corporation (MSRC) are our primary oil spill removal organizations and they will supply the necessary equipment and personnel. CGA and MSRC have equipment pre-staged around the Gulf of Mexico. The major locations of this equipment are Lake Charles, Intracoastal City, Houma, Grand Isle, Fort Jackson and Venice, Louisiana; Galveston, Texas; and Pascagoula, Mississippi.

As noted in our Regional Oil Spill Response Plan, approved on June 21, 2004, Grand Isle Shipyard, Grand Isle, LA and Mississippi State Port Authority-Port of Gulfport, Gulfport, MS are possible staging areas in the worst-case discharge scenarios. Additional staging areas are Chevron's four (4) shore bases located in Intracoastal City, Leeville and Venice, Louisiana and Pascagoula, Mississippi. Other staging areas will be pursued as warranted by any specific response.

Please refer to the attached table to compare worst-case scenario from our OSRP to the worst-case scenario from the proposed activities in our Supplemental DCOD.

## Worst-Case Discharge Analysis

Category	Regional OSRP "Nearshore" Worst-Case Discharge Scenario	Regional OSRP "Farshore" Worst-Case Discharge Scenario	Regional OSRP "Mobile Rig Exploration Drilling Ops." Worst-Case Discharge Scenario	DOCD
Type of Activity ( <i>Types of activities include P/L, P/F, Caisson, subsea completions or manifold, and mobile drilling rig</i> )	Platform Well	Sub-sea Completion	Drillship	Mobile Drilling Rig
Spill Location ( <i>area/block</i> )	South Timbalier Block 37 OCS-G-02625	Green Canyon Block 640 OCS-G-20082	Green Canyon Block 640 OCS-G-20082	South Timbalier Block 177 OCS-G-1260
Facility Designation ( <i>e.g., Well #2, Platform JA, Pipeline Segment No. 6373</i> )	Platform I – Well #8 MMS Facility ID No. 186	Platform A – aka "Tahiti Spar"	Exploratory Lease	"F" Platform installation for Wells No. #F-1, #F-2, #F-3
Distance to Nearest Shoreline ( <i>miles</i> )	8 miles	118 miles	118 miles	36.06 miles
Volume Storage Tanks (total) Flowlines (on facility) Lease Term Pipelines Uncontrolled Blowout (volume per day)  Total Volume	0 barrels  7,607 barrels  7,607 barrels	797 barrels  73,397 barrels  74,194 barrels	37,688 barrels  154,900 barrels  192,588 barrels	2100 barrels (rig) 1.4 barrels 136 barrels 3200 barrels  5437.4 barrels
Type of Oil(s) ( <i>crude oil, condensate, diesel</i> )	Crude Oil	Crude Oil	Crude Oil	Crude Oil /Condensate
API Gravity(s) Provide API gravity of all oils given under "Type of Oil(s)" above. Estimate for EP's)	32°	30.0°	28° , 36°	30.0/45.0°

Please be advised that Worst Case Discharge Analysis information for the "Farshore" case was recently updated and submitted to MMS for approval on May 10, 2005. Since Chevron has the capability to respond to the worst-case spill scenario included in our currently approved Regional OSRP, and since the worst-case scenario determined for our Supplemental DOCD does not replace the worst-case scenario in our Regional OSRP; I hereby certify that Chevron has the capability to respond, to the maximum extent practicable, to a worst-case discharge, or a substantial threat of such a discharge, resulting from the activities proposed in our Supplemental DOCD.



### Facility Tanks, Production Vessels

The following table provides information on tanks and/or production vessels at the facility that will store oil with a capacity of 25 barrels or more.

Type of Storage Tank	Type of Facility	Tank Capacity (bbls)	Number of Tanks	Total Capacity (bbls)	Fluid Gravity (API)
Fuel	Jack-Up	2100	1	2100	45.0

### Spill Response Sites

The following table provides information on the location of the primary spill response equipment and the location of pre-planned staging area(s) that may be used in the event of an oil spill resulting from activities.

Primary Response Equipment Location	Preplanned Staging Location (s)
Houma, LA	Leeville, LA

### Diesel Oil Supply Vessels

The following table provides information on the diesel oil supply vessels used during the proposed activities.

Size of Supply Vessel	Capacity of Fuel Supply Vessel	Frequency of Fuel Transfers	Route Fuel Supply Vessel Will Take
190 feet	2500 bbls	Weekly	From Leeville Shorebase to ST Block 177

### Support Vessels Fuel Tanks

The following table details the estimated total storage capacity of the fuel tanks on supply, service and/or crew vessels to be used to support the proposed activities.

Type of Vessel	Number in Field Simultaneously	Estimated Maximum Fuel Tank Storage Capacity
Tug Boats	3	7140 barrels
Supply Vessels	2	5715 barrels
Crew Vessel	1	300 barrels

### Produced Liquid Hydrocarbons Transportation Vessels

Chevron proposes to transport the produced liquid hydrocarbons by lease pipelines; therefore this section of the Document is not applicable.

### Oil and Synthetic-based drilling fluids

The components, chemical composition, and projected amounts and rates of usage of each oil or synthetic-based drilling fluid you will use to drill your proposed wells.

Type of Drilling Fluid	Estimated Volume of Mud Used per Well	Mud Disposal Method	Estimated Volume of Cuttings Generated per well	Cuttings Disposal Method
Oil-based	N/A	N/A	N/A	N/A
Synthetic-based	N/A	N/A	N/A	N/A

### Blowout Scenario

The wells proposed in this Document were drilled using a typical structural, conductor, surface and production casing program. In the event of an uncontrolled blowout from the initial well proposed in this Document, Chevron would anticipate an initial rate of approximately 80 MMCF/D and 3200 BCP/D with a gravity of 40.0. There will be minimal equipment on this structure, with production flowing full well stream to existing facilities for processing. Based on analog reservoir characteristics, Chevron would estimate the completion interval bridging over in approximately three (3) days.

Chevron would immediately activate our Regional Oil Spill Response Plan and Spill Management Team to initiate potential recovery of liquid hydrocarbons on the receiving water, and review potential well intervention options. In the event a relief well is required, Chevron would not anticipate any delays in acquiring a jack-up rig to conduct the proposed operations.

### Spill Response Discussion

In the event of an uncontrolled spill release resulting from the activities proposed in this Document, Chevron's Person-in-Charge or the individual discovering the spill will immediately notify Chevron's Qualified Individual (QI) on our Spill Management Team detailed in the Regional OSRP. The QI would immediately activate the Spill Management Team to ascertain the severity of the spill incident. Chevron's primary Incident Command Post is in New Orleans, La.

Chevron's initial response objective to a spill will be the health and safety of the Chevron employees working in the vicinity, the people responding to the spill and the general public followed by the protection of the environment and vigorously controlling the source of the pollution.

As stated in our OSRP, Chevron will utilize conventional and non-conventional methods to control and contain the spill where possible.

Clean Gulf Associates (CGA) and Marine Spill Response Corporation (MSRC) are our primary oil spill removal organizations and they will supply the necessary equipment and personnel. CGA and MSRC have equipment pre-staged around the Gulf of Mexico. The major locations of this equipment are Lake Charles, Intracoastal City, Houma, Grand Isle, Fort Jackson and Venice, Louisiana; Galveston, Texas; and Pascagoula, Mississippi. This equipment would be called out and deployed as fast and safe as practicable.

During spill cleanup activities, every effort will be made to reintroduce recovered liquids back into one of Chevron's production facilities or pipeline terminals. However, for oily liquids which cannot be recovered because of logistical reasons, and for oily debris and any used sorbents or other material that can no longer be utilized, the material will be transported to an approved disposal facility.

### Pollution Prevention Measures

South Timbalier Block 177 wells will be equipped with a surface control down-hole, subsea safety valve (SCSSV) which is designed to shut-off the flow from the well in case of accidental damage to the wellhead. The wellhead also has high pressure and low pressure safety sensors which will shut the valves on the wellhead in case of fire or high or low flow line pressure, which will prevent flow from the well, thereby limiting or preventing any potential liquid hydrocarbon spill.

The departing pipeline will have high and low pressure sensors which will close the valve on the pipeline to prevent continued production flow to the pipeline in the event there is a rupture or obstruction in the pipeline causing either low pipeline pressure or high pipeline pressure. The closing of the departing pipeline valve will also cause the wellhead valves to close, thereby causing the well to shut-in and production to cease, limiting or avoiding any potential liquid hydrocarbon spill.

Chevron pollution prevention will consist of identifying the hazardous spilled material, controlling the source, maximizing protection of the environment and containing and recovering all spilled material. Chevron does not anticipate initiating additional safety, pollution prevention and/or early spill detection measures beyond those already required by Title 30 CFR Part 250.

## SECTION G      AIR EMISSIONS INFORMATION

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Offshore air emissions related to the proposed activities result mainly from drilling and completion operations, helicopters and vessels. These emissions occur mainly from burning fuels and natural gas and from venting or evaporation of hydrocarbons. The combustion of fuel occurs primarily on diesel-powered generators, pumps or motors and from lighter fuel motors.

Primary air pollutants associated with OCS activities are nitrogen oxides, carbon monoxide, sulphur oxides, volatile organic compounds and suspended particulates.

Included in this section as Attachment G-1 is the Projected Air Quality Emissions Report (Form MMS-139), prepared in accordance with NTL 2003 G-17.

**AIR EMISSIONS REPORT  
SUPPLEMENTAL DEVELOPMENT OPERATIONS DOCUMENT  
SOUTH TIMBALIER BLOCK 177  
LEASE OCS-1260**

**COMPLEX TOTAL EMISSIONS ARE THE SAME  
AS THE PLAN EMISSIONS; THEREFORE, ONE  
SET OF EMISSIONS CALCULATIONS IS  
INCLUDED**

**CHEVRON U.S.A. INC.  
S. A. RONDENO  
Date: JULY 22, 2005**

**ATTACHMENT #G-1**

Screening Questions for DOCD's	Yes	No
Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed exploration activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2/3}$ for CO, and $CT = 33.3D$ for the other air pollutants (where D = distance to shore in miles)?		X
Do your emission calculations include any emission reduction measures or modified emission factors?		X
Does or will the facility complex associated with your proposed development and production activities process production from eight or more wells?		X
Do you expect to encounter H <sub>2</sub> S at concentrations greater than 20 parts per million (ppm)?		X
Do you propose to flare or vent natural gas in excess of the criteria set forth under 250.1105(a)(2) and (3)?		X
Do you propose to burn produced hydrocarbon liquids?		X
Are your proposed development and production activities located within 25 miles from shore?		X
Are your proposed development and production activities located within 200 kilometers of the Breton Wilderness Area?	X	

In calculating CT for addressing the first question in the above tables, express the distance to shore (D) in tenths of a statute mile for distances up to 20 miles and in whole statute miles for distances 20 miles and beyond. Use the nearest point of any land, which is the distance from the facility complex to the mean high water mark of any State, including barrier islands and shoals, to determine the distance to shore.

(1) If you answer **no** to all of the above screening questions from the appropriate table, provide:

(a) Summary information regarding the peak year emissions for both Plan Emissions and Complex Total Emissions, if applicable. This information is compiled on the summary form of the two sets of worksheets. You can submit either these summary forms or use the format below. You do not need to include the entire set of worksheets.

Air Pollutant	Plan Emission Amounts <sup>1</sup> (tons)	Calculated Exemption Amounts <sup>2</sup> (tons)	Calculated Complex Total Emission Amounts <sup>3</sup> (tons)
Carbon monoxide (CO)			
Particulate matter (PM)			
Sulphur dioxide (SO <sub>2</sub> )			
Nitrogen oxides (NO <sub>x</sub> )			
Volatile organic compounds (VOC)			

<sup>1</sup> For activities proposed in your EP or DOCD, list the projected emissions calculated from the worksheets.

<sup>2</sup> List the exemption amounts for your proposed activities calculated by using the formulas in 30 CFR 250.303(d).

<sup>3</sup> List the complex total emissions associated with your proposed activities calculated from the worksheets

# AIR EMISSION COMPUTATION FACTORS

OMB Control No. xxxx-xxxx

Expiration Date: Pending

Fuel Usage Conversion Factors	Natural Gas Turbines		Natural Gas Engines		Diesel Recip. Engine		REF.	DATE
	SCF/hp-hr	9.524	SCF/hp-hr	7.143	GAL/hp-hr	0.0483	AP42 3.2-1	4/76 & 8/84

Equipment/Emission Factors	units	PM	SOx	NOx	VOC	CO	REF.	DATE
NG Turbines	gms/hp-hr		0.00247	1.3	0.01	0.83	AP42 3.2-1& 3.1-1	10/96
NG 2-cycle lean	gms/hp-hr		0.00185	10.9	0.43	1.5	AP42 3.2-1	10/96
NG 4-cycle lean	gms/hp-hr		0.00185	11.8	0.72	1.6	AP42 3.2-1	10/96
NG 4-cycle rich	gms/hp-hr		0.00185	10	0.14	8.6	AP42 3.2-1	10/96
Diesel Recip. < 600 hp.	gms/hp-hr	1	1.468	14	1.12	3.03	AP42 3.3-1	10/96
Diesel Recip. > 600 hp.	gms/hp-hr	0.32	1.468	11	0.33	2.4	AP42 3.4-1	10/96
Diesel Boiler	lbs/bbl	0.084	2.42	0.84	0.008	0.21	AP42 1.3-12,14	9/98
NG Heaters/Boilers/Burners	lbs/mmescf	7.6	0.593	100	5.5	84	AP42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmescf		0.593	71.4	60.3	388.5	AP42 11.5-1	9/91
Liquid Flaring	lbs/bbl	0.42	6.83	2	0.01	0.21	AP42 1.3-1 & 1.3-3	9/98
Tank Vapors	lbs/bbl				0.03		E&P Forum	1/93
Fugitives	lbs/hr/comp.				0.0005		API Study	12/93
Glycol Dehydrator Vent	lbs/mmescf				6.6		La. DEQ	1991
Gas Venting	lbs/scf				0.0034			

Sulfur Content Source	Value	Units
Fuel Gas	3.33	ppm
Diesel Fuel	0.4	% weight
Produced Gas( Flares)	3.33	ppm
Produced Oil (Liquid Flaring)	1	% weight



## AIR EMISSION CALCULATIONS - FIRST YEAR

OMB Control No. XXXX-XXXX  
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS								
Chevron U.S.A. Inc.	South Timbalier	177	OCS-G-1260	"F"	#F-1, #F-2, & #F-3	S. A. Rondeno	(504) 592-6853	#REF!								
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME	MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(tugs)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	4500	217.35	5216.40	24	9	3.17	14.55	109.03	3.27	23.79	0.34	1.57	11.78	0.35	2.57
	SUPPORT VESSEL diesel	5000	241.5	5796.00	24	9	3.52	16.17	121.15	3.63	26.43	0.38	1.75	13.08	0.39	2.85
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel (Tug)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	2000	96.6	2318.40	24	2	1.41	6.47	48.46	1.45	10.57	0.03	0.16	1.16	0.03	0.25
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	2400	115.92	2782.08	24	1	1.69	7.76	58.15	1.74	12.69	0.02	0.09	0.70	0.02	0.15
FACILITY INSTALLATION	DERRICK BARGE diesel	4500	217.35	5216.40	24	4	3.17	14.55	109.03	3.27	23.79	0.15	0.70	5.23	0.16	1.14
	MATERIAL TUG diesel	5000	241.5	5796.00	24	4	3.52	16.17	121.15	3.63	26.43	0.17	0.78	5.81	0.17	1.27
	VESSELS>600hp diesel(crew)	2000	96.6	2318.40	24	2	1.41	6.47	48.46	1.45	10.57	0.03	0.16	1.16	0.03	0.25
	Well Hook-up	2000	96.6	2318.40	24	5	1.41	6.47	48.46	1.45	10.57	0.08	0.39	2.91	0.09	0.63
PRODUCTION	RECIP. <600hp diesel Crane	200	9.66	231.84	2	100	0.44	0.65	6.17	0.49	1.33	0.04	0.06	0.62	0.05	0.13
	RECIP. >600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2000	96.6	2318.40	8	150	1.41	6.47	48.46	1.45	10.57	0.85	3.88	29.07	0.87	6.34
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00					0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		
	FUGITIVES-			1000.0		351				0.50				2.11		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
DRILLING	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL TEST	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2006 YEAR TOTAL							21.16	95.71	718.50	22.36	156.75	2.11	9.53	71.53	4.28	15.61
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											1200.80	1200.80	1200.80	1200.80	37110.44
	36.1															

## AIR EMISSIONS CALCULATIONS - SECOND YEAR

OMB Control No. xxx-xxxx  
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Chevron U.S.A. Inc.	South Timbaler	177	OCS-G-1260	"F"	#F-1, #F-2, & #F-3	S. A. Rondono	(504) 592-6853	#REF1									
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(tugs)	0	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PRODUCTION	RECIP.<600hp diesel Crane	200	9.66	231.84	2	104	0.44	0.65	6.17	0.49	1.33	0.05	0.07	0.64	0.05	0.14	
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	2000	96.6	2318.40	8	156	1.41	6.47	48.46	1.45	10.57	0.88	4.04	30.24	0.91	6.60	
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00					0.00		0.00
	FLARE-		0		0	0		0.00	0.00		0.00	0.00		0.00		0.00	0.00
	PROCESS VENT-		0		0	0					0.00				0.00		0.00
	FUGITIVES-			1000.0		365					0.50				2.19		0.00
	GLYCOL STILL VENT-		0		0	0					0.00				0.00		0.00
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2007 YEAR TOTAL							1.85	7.11	54.63	2.45	11.91	0.93	4.10	30.88	3.15	6.74	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											1200.80	1200.80	1200.80	1200.80	37110.44	
	36.1																

# AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxx

Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	177	OCS-G-1260	"F"	#F-1, #F-2, & #F-3
Year	Emitted		Substance		
	PM	SOx	NOx	VOC	CO
2006	2.11	9.53	71.53	4.28	15.61
2007	0.93	4.10	30.88	3.15	6.74
2008	0.93	4.10	30.88	3.15	6.74
2009	0.93	4.10	30.88	3.15	6.74
2010	0.93	4.10	30.88	3.15	6.74
2011	0.93	4.10	30.88	3.15	6.74
2012	0.93	4.10	30.88	3.15	6.74
2013	0.93	4.10	30.88	3.15	6.74
2014	0.93	4.10	30.88	3.15	6.74
Allowable	1200.80	1200.80	1200.80	1200.80	37110.44

## SECTION H ENVIRONMENTAL IMPACT ANALYSIS

(Environment Report)

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Pursuant to NTL 2003-G17, Chevron USA, Inc. has included with this Supplemental Development Operations Coordination Document an Environmental Impact Analysis prepared by John Chance Land Survey, Inc, which addresses the activities proposed for the proposed well.



JOHN CHANCE LAND SURVEYS, INC.

ENVIRONMENTAL IMPACT ANALYSIS

SOUTH TIMBALIER BLOCK 177  
OCS-G-1260  
OFFSHORE LOUISIANA

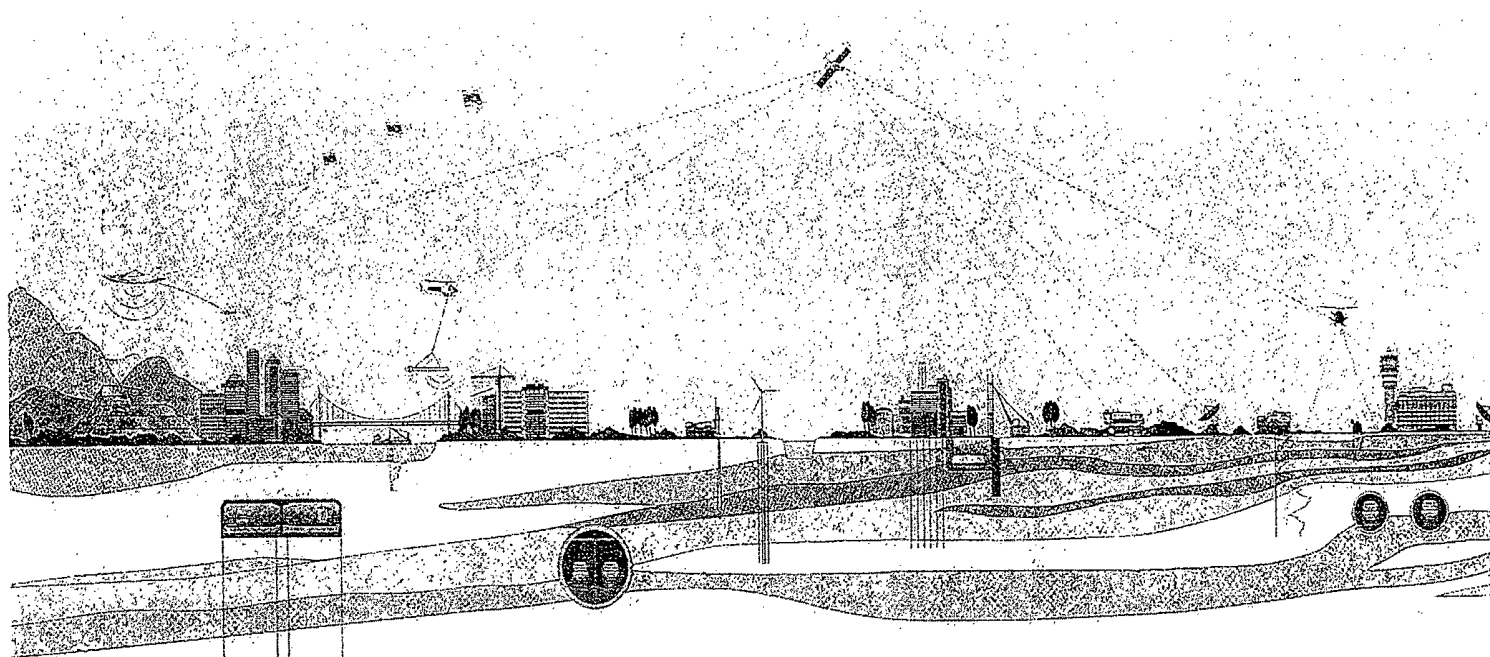
CHEVRON U.S.A., INC.  
935 GRAVIER STREET  
NEW ORLEANS, LA 70112

SUBMITTED TO:  
MS. SHIRLEY A. RONDENO  
PERMIT SPECIALIST

JULY 2005

PREPARED BY:  
JOHN CHANCE LAND SURVEYS, INC.  
REGULATORY AND ECOLOGICAL SERVICES GROUP  
200 DULLES DRIVE  
LAFAYETTE, LOUISIANA 70506

JCLS PROJECT NO. 05-5435





## (A) Impact-Producing Factors (IPFs)

Contained below is a worksheet provided by the MMS that identifies the environmental resources that could be impacted by IPFs. If an "x" is noted in one of the fields below it is because we determined that that specific environmental resource might be impacted by that specific IPF. Footnotes have been included for some of the cells and these correspond to a statement that explains the applicability for the proposed activity for South Timbalier Area Block 177. Where any of the IPFs may affect a specific environmental resource an analysis of that effect is provided.

## Environmental Impact Analysis Worksheet

Environmental Resources	Impact Producing Factors (IPFs)					
	Categories and Examples					
	Refer to a recent GOM OCS Lease/Sales/EIS for a more complete list of IPFs					
	Emissions (air, noise, light, etc.)	Effluents (muds, cuttings, other discharges to the water column or seafloor)	Physical disturbances to the seafloor (rig or anchor emplacements, etc.)	Wastes sent to shore for treatment or disposal	Accidents (e.g. oil spills, chemical spills, H <sub>2</sub> S releases)	Other IPFs identified
<b>Site-specific at Offshore Location:</b>						
Designated topographic features		(1)	(1)		(1)	
Pinnacle/Trend area/live bottoms		(2)	(2)		(2)	
Eastern Gulf live bottoms		(3)	(3)		(3)	
Chemosynthetic communities			(4)			
Water quality		x			x	
Fisheries		x			x	
Marine mammals	x (8)	x		x	x (8)	
Sea turtles	x (8)	x		x	x (8)	
Air quality	x (9)					
Shipwreck sites (known or potential)			(7)			
Prehistoric/archaeological sites			(7)			
<b>Vicinity of Offshore Location</b>						
Essential fish habitat		x			x (6)	
Marine and pelagic birds					x	
Public health and safety					(5)	
<b>Coastal and Onshore</b>						
Beaches					x (6)	
Wetlands					x (6)	
Shorebirds and coastal nesting birds					x (6)	
Coastal wildlife refuges					x	
Wilderness areas						
<b>Other Resources Identified</b>						



### Footnotes for Environmental Impact Analysis Worksheet

1. Activities that may affect a marine sanctuary or topographic feature. Specifically, if the well or platform site or any anchors will be on the seafloor within the:
  - (a) 4-mile zone of the Flower Garden Banks, or the 3-mile zone of Stetson Bank;
  - (b) 1000-m, 1-mile or 3-mile zone of any topographic feature (submarine bank) protected by the Topographic Features Stipulation attached to an OCS lease;
  - (c) Essential Fish Habitat (EFH) criteria of 500 ft from any no-activity zone; or
  - (d) Proximity of any submarine bank (500 ft buffer zone) with relief greater than 2 meters that is not protected by the Topographic Features Stipulation attached to an OCS lease.
2. Activities with any bottom disturbance within an OCS lease block protected through the Live Bottom (Pinnacle Trend) Stipulation attached to an OCS lease.
3. Activities within any Eastern Gulf OCS block where seafloor habitats are protected by the Live Bottom (Low-relief) Stipulation attached to an OCS lease.
4. Activities on blocks designated by the MMS as being in water depths 400 meters or greater.
5. Exploration or production activities where H<sub>2</sub>S concentrations greater than 500 ppm might be encountered.
6. All activities that could result in an accidental spill of produced liquid hydrocarbons or diesel fuel that is determined to impact these environmental resources. If the proposed action is located a sufficient distance from a resource that no impact would occur, the EIA will note that in a sentence or two.
7. All activities that involve seafloor disturbances, including anchor placement, in any OCS block designated by the MMS as having high-probability for the occurrence of shipwrecks or prehistoric sites, including such blocks that will be affected that are adjacent to the lease block in which the planned activity will occur. If the proposed activities are located at sufficient distance from a shipwreck or prehistoric site that no impact would occur, the EIA will note that in a sentence or two.
8. All activities that are determined to possibly have an adverse effect on endangered or threatened marine mammals or sea turtles or their critical habitats.
9. Production activities that involve transportation of produced fluids to shore using shuttle tankers or barges.



**(B) Analysis**

**Site-specific at Offshore Location**

Designated Topographic Features

There are no anticipated impacts to any marine sanctuaries or topographic features from the site-specific proposed activity in South Timbalier Area Block 177. The following Impact Producing Factors (IPFs) would not have any effects on topographic features: Effluents (including muds, cuttings, and other discharges), Emissions (including air, noise, light, etc.), Shore Bound Wastes, and Physical Disturbances to the seafloor. This lack of impacts is primarily due to the fact that the nearest designated topographic feature, specifically Diaphus Bank, is located within South Timbalier Block 314, which is approximately 34 miles away from the proposed activities.

The proposed activities are unlikely to affect the area via surface or subsurface oil spill. No ecological impacts are expected since the water depth would typically not allow any oil to reach the seafloor to impact any organisms found there. The dispersion rate would also be high enough that the oil that may remain in a subsea location due to a subsea leak would be moved away from any banks by natural current flow around that bank. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional Oil Spill Response Plan (OSRP) (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Pinnacle Trend Area Live Bottoms

The nearest block with a pinnacle trend live bottom stipulation occurs approximately 121 miles away in Main Pass Area Block 290. Therefore, Impact Producing Factors (IPFs) from South Timbalier Area Block 177 such as Effluents (including muds, cuttings, and other discharges), Emissions (including air, noise, light, etc.), Shore Bound Wastes, and Physical Disturbance to the seafloor are not anticipated to affect these Site-specific features.

It is unlikely that any accidental surface or subsurface oil spill from the proposed activities would occur. However no impact to any biota associated with the pinnacle trends area live bottoms found in the Central Gulf of Mexico is expected due to a spill within this block, as the nearest block that falls within that stipulation is 121 miles away. This distance and the depth of the live bottoms alleviates any impacts due to oiling as most of the subsurface oil would immediately rise up to the surface or higher in the water column, and surface oil would never come into contact with anything at such a depth. The activities proposed in this plan will be





covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Eastern Gulf Live Bottoms

The nearest Eastern Gulf Live Bottom Area is located in Main Pass Area Block 290 and is over 121 miles east from the proposed activity in South Timbalier Area Block 177 therefore no IPFs (Emissions, Effluents, Shore Bound Wastes, Physical Disturbances to the Seafloor, and Accidents) are expected to impact any Eastern Gulf Live Bottom area.

It is unlikely that the any Eastern Gulf Live Bottom Area would be affected via an accidental surface or subsurface oil spill generated by the proposed activities. Due to the tendency of oil to rise in the water column, and the dispersal that would affect a surface or subsurface spill there would be little or no impact to Eastern Gulf Live Bottoms due to the distance from this block. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Chemosynthetic Communities

The proposed activities for South Timbalier Area Block 177 will occur in water that is approximately 135 to 140 feet deep thereby eliminating any threat to Chemosynthetic communities which would normally occur in water depths of at least 400 meters (1,312 feet). Therefore no IPFs (including: effluents, emissions, physical disturbances, accidents, or shore bound wastes) from the proposed activities in South Timbalier Area Block 177 would be expected to impact any chemosynthetic community.

#### Water Quality

As with all offshore activity there is always the possibility for impacts to water quality. This usually occurs through accidents or effluent discharge. All discharges for the proposed activity are going to be in accordance with the National Pollutant Discharge Elimination System (NPDES), specifically Chevron U.S.A., Inc.'s general permit under GMG 290000 issued by the U.S. Environmental Protection Agency (EPA). Due to the analysis done by EPA no operational discharges are expected to impact water quality within South Timbalier Area Block 177.

It is unlikely that due to any of the proposed activities an oil spill would occur in South Timbalier Area Block 177. However if an accidental spill were to occur



water quality would be adversely impacted for a period of time by petroleum products and byproducts. However this time frame would be shortened by the natural dispersion and breakdown (organic and microbial decomposition) that would remove the oil from the water or at the very least would dilute it to levels that would be less hazardous to the environment. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Fisheries

South Timbalier Area Block 177 lies within the limits of the brown shrimp harvesting grounds, primary industrial bottomfishing area, the coastal demersal fish, coastal pelagics, and major finfish harvest area. This block lies outside the fishing limits of the principle menhaden fishing grounds, the principal seabob grounds, and the white shrimp harvesting grounds. This area is also south of important blue crab and oyster lease producing areas, which are to the north near the coast (USDOI, MMS, 1986, Visual No. 2).

Based on the proposed activities it is highly unlikely that an accidental surface or subsurface spill would occur. If a spill were to occur the finfish and shellfish that could be impacted would probably evacuate the area of impact and if any finfish and shellfish did come into contact with any spill residue the affect would most likely not be lethal as the finfish can metabolize the hydrocarbons and avoid increased exposure. The other IPFs that could occur within this area are unlikely to impact any of the above-mentioned fisheries. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Marine Mammals

Endangered or threatened whale species, which may occur in South Timbalier Area Block 177, are blue whale (*Balaenoptera musculus*), finback whale (*Balaenoptera physalus*), humpback whale (*Megaptera novaeangliae*), sei whale (*Balaenoptera borealis*), and sperm whale (*Physter catdon*) (USDOI, Region IV Endangered Species Notebook).

The blue whale and sei whale have never been common in the Gulf of Mexico and have very few documented historical Gulf sightings. There is a small population of finback whales in the Gulf and Caribbean Sea (Schmidly 1981), with some Gulf sightings of fin whales in the deeper waters of the North-central Gulf (Mullin et al. 1991). The humpback whale is cosmopolitan being found in all oceans of the world; recent sightings in the Gulf of Mexico have been sporadic but included the Central and Eastern Gulf (Schmidly 1981). The sperm whale is



the most abundant large whale in the Gulf of Mexico, and has been sighted on most surveys conducted in the deeper waters. It is commonly seen off the continental shelf edge in the vicinity of the Mississippi River Delta (Mullin et al. 1991 in MMS 1992). Most of these whales, with the exception of the blue and sei whales, may utilize South Timbalier Area Block 177 at some time, however these would be very rare occurrences.

The West Indian manatee (*Trichechus manatus*), a federally endangered marine mammal, has historically utilized (seasonally) shallow protected estuarine waters of the northern Gulf of Mexico, including coastal Louisiana but would not be expected to utilize the open marine waters of South Timbalier Area Block 177 (MMS 1992).

Another utilization of this block would come from Cetaceans or more specifically Family Delphinidae, which includes the porpoises and dolphins, and species such as the Spotted dolphin (*Stenella plagiodon*), Common dolphin (*Delphinus delphis*), Atlantic Bottle-nosed dolphin (*Tursiops truncatus*), and the Short-Finned Pilot Whale (*Globicephala macrorhyncha*) (Lowery, 1974).

There may be adverse impacts by several of the IPFs to marine mammals due to the proposed activities for South Timbalier Area Block 177. These include but are not limited to: vessel traffic, noise, accidental oil spills, effluent discharge, and loss of shore bound wastes. The only lethal affects, which would be an extremely rare occurrence, if occurring at all, would be due to oil spills, ingestion of plastic material, or collision with a vessel. Some of the IPFs (noise, effluent discharge, etc.) would affect marine mammals in a non-lethal manner due to stress. When stressed the individuals in a population could become more prone to infection and weaken, this could affect entire pods, however these would be sporadic events and are unlikely to happen.

Any disturbance could theoretically affect populations of marine mammals but it is highly unlikely that this would occur due to their ability to travel to other areas within their home range. Fatalities are also unlikely and are unexpected barring catastrophic occurrences.

#### Sea Turtles

The following species are protected and are found within the Gulf Of Mexico: Kemp's ridley turtle (*Lepidochelya kempi*), green turtle (*Chelonia mydas*), hawksbill turtle (*Eretmochelys imbricata*), leatherback turtle (*Dermochelys coriacea*) and loggerhead turtle (*Caretta caretta*) (USDOI, Region IV Endangered Species Notebook).



The green turtle is found throughout the Gulf of Mexico with infrequent nesting occurrences throughout, and nesting aggregations on the Florida and Yucatan coasts. Green turtles prefer depths of less than 20 m (66 ft) where seagrasses are abundant (NRC 1990). Leatherbacks are oceanic turtles but do enter shallower waters at times. There are rare but reported cases of leatherbacks nesting on the Florida panhandle (MMS 1992). The hawksbill is the least commonly reported marine turtle in the Northern Gulf, with Texas being the only state with regular occurrences. It is more common in tropical Caribbean waters. Kemp's Ridley is the most endangered species of marine turtle and is common in Texas and Mexico. Loggerheads occur worldwide in depths varying from those found in estuaries to the continental shelf. Major Gulf nesting areas for this species include the beaches along the Florida panhandle, South Florida, and Padre Island, Texas. In the Central Gulf loggerheads are known to nest on the beaches and the turtles are commonly observed around platforms. Some of these turtles, particularly the loggerhead, may temporarily utilize South Timbalier Area Block 177, however it would be infrequent and no impacts would be expected from the project.

IPFs such as vessel traffic, noise, shore bound waste losses, effluents, and accidental oil spills could possibly impact through stress or even kill small numbers of turtles. Oil spills and response activities have the potential to harm individuals through consumption of oil particles or oiled food sources. The Oil Pollution Act of 1990 has response planning techniques and protections in place to alleviate most of these issues.

The majority of impacts are not expected to be lethal, however the impacts that are expected through nonlethal IPFs could cause declines in survival and reproductive rates, which would have detrimental affects on the population as a whole, yet as stated above mitigative steps are already in place via the Oil Pollution Act of 1990.

#### Air Quality

No IPFs should impact the Air Quality within the immediate vicinity of the work proposed within South Timbalier Area Block 177. Emissions will be kept within accepted standards and Effluents, Physical Disturbances to the seafloor, and Shore Bound Wastes are not expected to decrease the air quality. In the unlikely event that an accidental oil spill would occur there might be some Air Quality impacts however these would be kept to a minimum.



#### Shipwreck sites and Prehistoric Archeological sites

South Timbalier Area Block 177 is listed with Minerals Management Service within a high probability zone for occurrence of historic shipwrecks and prehistoric cultural resources, however, upon review of an archeological assessment for South Timbalier Area Block 177, it was determined that, to date, there are no known archaeological sites or shipwreck sites near the proposed project within South Timbalier Area Block 177. Any proposed activities would not be expected to impact any shipwrecks or archeological features. Therefore it is highly unlikely that any of the IPFs, especially Physical Disturbances to the seafloor, would cause any impacts. Effluents, Emissions, Shore Bound Wastes, and Accidents would not be expected to impact any archeological sites if they were present.

#### **Vicinity of Offshore Location**

##### Essential Fish Habitat

South Timbalier Area Block 177 lies within the limits of the brown shrimp harvesting grounds, primary industrial bottomfishing area, the coastal demersal fish, coastal pelagics, and major finfish harvest area. This block lies outside the fishing limits of the principle menhaden fishing grounds, the principal seabob grounds, and the white shrimp harvesting grounds. This area is also south of important blue crab and oyster lease producing areas, which are to the north near the coast (USIDOI, MMS, 1986, Visual No. 2).

All marine waters and substrates of the Gulf of Mexico from the shoreline to the seaward limit of the Exclusive Economic Zone are considered essential habitat for fish managed by the Gulf of Mexico Fishery Management Council (GMFMC). Under this definition the marine waters surrounding South Timbalier Area Block 177 is included as EFH for species managed by the United States Department of Commerce, National Marine Fisheries Service through the GMFMC. The fisheries affected by the EFH designation are the fisheries for shrimp, red drum, coastal migratory pelagics, reef fish, and stone crab. However the proposed activities in South Timbalier Area Block 177 should not cause significant or long-term adverse impacts to Essential Fish Habitat. (GMFMC, 1998)

Based on the proposed activities it is highly unlikely that an accidental surface or subsurface spill would occur. If a spill were to occur the finfish and shellfish that could be impacted would probably evacuate the area of impact and if any finfish and shellfish did come into contact with any spill residue the affect would most likely not be lethal as the finfish can metabolize the hydrocarbons and avoid



increased exposure. The other IPFs that could occur within this area are unlikely to impact any of the above-mentioned fisheries. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Marine and Pelagic Birds

Many of the IPFs would have no impact upon Marine and Pelagic Bird species. Effluents, Emissions, Physical Disturbances to the Seafloor, and Shore Bound Wastes would not affect any avian species that would occur within South Timbalier Area Block 177. Accidental oil spills have the ability to impact individual birds, mainly due to the oiling of the individual's feathers and well as possible ingestion of the oil product. It is unlikely that a spill would occur from the proposed activities and if one did occur the activities proposed in this initial exploration plan document will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Public Health and Safety

There are no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, Shore Bound Wastes, or Accidents) that would cause any harm to public health and safety. Chevron U.S.A., Inc. would like Mineral Management Services to determine the H<sub>2</sub>S classification in accordance with 30 CFR 250.417 (c) by the Mineral Management Service (Control No. S-6123).

### **Coastal and Onshore**

#### Beaches

With the exception of an accidental oil spill no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) are expected to impact any of the beaches in onshore locations. An accidental oil spill from the proposed activities would have at the highest a 3/14/19 percent chance (based on 3, 10, or 30 days from spill) of causing impacts to the beaches that occur on shore, in Terrebonne Parish, approximately 36 miles from South Timbalier Area Block 177. This distance along with the response capabilities implemented would greatly decrease the probability that an oil spill would have a large impact to these areas. Upon reviewing the OCS EIS/EA MMS 2002-052 publication the historical spill data and trajectory / risk calculations show that there would be a small risk of impact to the coastline or other shoreline environmental resources of Louisiana. The activities proposed in this plan will be



covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Wetlands

With the exception of an accidental oil spill no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) are expected to impact any of the wetlands in onshore locations. An accidental oil spill from the proposed activities would have at the highest a 3/14/19 percent chance (based on 3, 10, or 30 days from spill) of causing impacts to the wetlands that occur at the shore, in Terrebonne Parish, approximately 36 miles from South Timbalier Area Block 177. This distance along with the response capabilities implemented would greatly decrease the probability that an oil spill would have a large impact to these areas. Upon reviewing the OCS EIS/EA MMS 2002-052 publication the historical spill data and trajectory / risk calculations show that there would be a small risk of impact to the coastline or other shoreline environmental resources of Louisiana. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Shore Birds and Coastal Nesting Birds

With the exception of an accidental oil spill no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) are expected to impact any of the shore birds and coastal nesting birds in onshore locations. An accidental oil spill from the proposed activities would have at the highest a 3/14/19 percent chance (based on 3, 10, or 30 days from spill) of causing impacts to the shore birds and coastal nesting birds that occur on shore, in Terrebonne Parish, approximately 36 miles from South Timbalier Area Block 177. This distance along with the response capabilities implemented would greatly decrease the probability that an oil spill would have a large impact to these areas. Upon reviewing the OCS EIS/EA MMS 2002-052 publication the historical spill data and trajectory / risk calculations show that there would be a small risk of impact to the coastline or other shoreline environmental resources of Louisiana. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

#### Coastal Wildlife Refuges

With the exception of an accidental oil spill no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) are expected to impact any of Coastal Wildlife Refuges in onshore locations. An

## SECTION I

## COASTAL ZONE CONSISTENCY CERTIFICATION

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The Coastal Zone Management Consistency Certification is required.



APPENDIX I

COASTAL ZONE MANAGEMENT  
CONSISTENCY CERTIFICATION

Supplemental DOCD  
Type of OCS Plan

South Timbalier Block 177  
Area and Block

OCS-G-1260  
Lease Number

*The proposed activities described in detail in this OCS Plan comply with Louisiana's Coastal Management Program(s) and will be conducted in a manner consistent with such programs.*

Chevron U.S.A. Inc.  
Lessee or Operator

J. D. Rondeno  
Certifying Official

July 22, 2005  
Date

## **Louisiana Coastal Resources Program (LCRP)**

In accordance with the Coastal Zone Management Program of the State of Louisiana, when an OCS plan describes in detail permit activities affecting the coastal use or resources in or outside of the state's coastal zone, such activities must comply with the policies of the States' approved program and be conducted in a manner consistent with the program.

Chevron has reviewed the enforceable policies for the Louisiana Coastal Resources Program related to our proposed activities. Chevron believes the activities proposed in this Plan will have no direct effect on those policies as outlined in 15 CFR Part 930.70-85.

A statement attesting to Chevron's consistency with Louisiana's Coastal Zone Management Program, signed by our Company's authorized representative, is submitted with this Plan. To the best of our knowledge, the proposed activities included in our Environmental Impact Analysis and Supplemental DOCD will be conducted in a manner consistent with all existing Federal and State laws, regulations and resultant enforceable program policies as stated in the Coastal Zone Management Program for the State of Louisiana.

## SECTION J

## PLAN INFORMATION FORM

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The MMS-137 Plan Information Form is included as Attachment A-2.