UNITED STATES GOVERNMENT
MEMORANDUM

October 28, 2003

To: Public Information (MS 5034)

From: Plan Coordinator, FO, Plans Section (MS 5231)

Subject: Public Information copy of plan

Control #	-	S-06296
Type	-	Supplemental Development Operations Coordinations Document
Lease(s)	-	OCS-G01572 Block - 189 South Timbalier Area OCS-G01899 Block - 188 South Timbalier Area
Operator	-	Chevron U.S.A. Inc.
Description	-	
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.

Robert Stringfellow
Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
WELL/CA-8	G01572/ST/189	1430 FNL, 950 FWL	G01899/ST/188
WELL/CA-9	G01572/ST/189	1430 FNL, 950 FWL	G01899/ST/188

ISS NOV10'03PM 1:23

NOTED-SCHEXNAILDRE

S-6296

Chevron U.S.A. Inc.
GOM SBU/HES
935 Gravier Street
New Orleans, LA 70112-1625
Tel 504 592 6853
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sron@chevrontexaco.com

S. A. Rondeno
Permit Specialist

CONTROL No. S-6296
REVIEWER: Robert Stringfellow
PHONE: (504) 736-2437

ChevronTexaco

October 22, 2003

Regional Supervisor
U. S. Dept. of the Interior
Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

Supplemental DOCD
South Timbalier Block 188
OCS-G-1899
South Timbalier Block 189
Lease OCS-G-1572
Offshore, Louisiana

Gentlemen:

Pursuant to 30 CFR 250.204, Chevron U.S.A. Inc. submits this Supplemental DOCD for South Timbalier Block 188, Lease OCS-G-1899 and South Timbalier Block 189, Lease OCS-G-1572 Offshore, Louisiana.

We have enclosed 9 copies of this Supplemental DOCD, 5 Proprietary and 4 Public Information. These wells are being drilled from a previously approved surface location; therefore no report of seismic information is enclosed.

Chevron believes that the structure maps and cross-section maps submitted with this revised DOCD are exempt from disclosure under the Freedom of Information Act, and should therefore not be made available to the public or provided to any affected state or to the executive of any local government. Please call me should you have any questions or need additional information.

Very truly yours,

S. A. Rondeno

S. A. Rondeno

enclosure

CHEVRON U.S.A. INC.

SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT

SOUTH TIMBALIER BLOCK 188
OCS-G-1899

SOUTH TIMBALIER BLOCK 189
OCS-G-1572

OFFSHORE, LOUISIANA

October 22, 2003

SECTION A CONTENTS OF PLAN

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

LEASE DESCRIPTION

Lease OCS-G-1899, South Timbalier Block 188's effective date to Chevron is February, 1970. Lease OCS-G-1572, South Timbalier Block 189's effective date of to Chevron is October, 1969. Both leases are located off the Louisiana Coast in the Central Gulf of Mexico.

OBJECTIVE

Chevron submits this Supplemental Development Operations Coordination Document to allow for the drilling, production and development of two wells #CA-8 and #CA-9. The wells will be drilled from the existing South Timbalier Block 188 "CA" platform. Plans are to add additional slots by driving two (2) 30" conductors and installing a deck braced and connected to the existing "CA" structure.

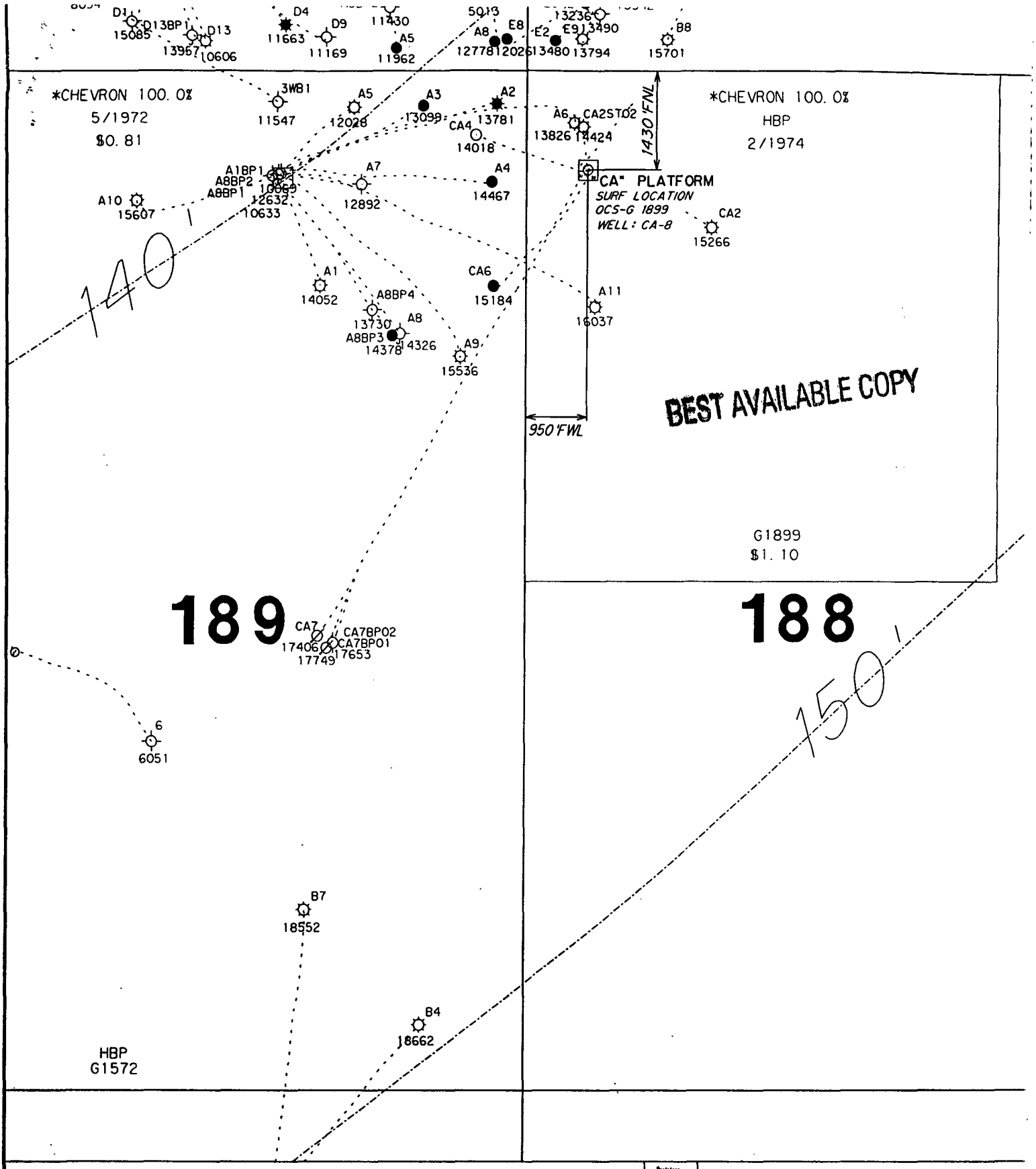
SCHEDULE

Tentative schedules (from start to completion) of the development and production activities are included as Attachment A-2 MMS-137 "OCS Plan Information Form" in accordance with Appendix J.

LOCATION

A Location/Bathymetry Plat depicting the surface location is enclosed as **Attachment A-1 and A-1A.**

We have included as **Attachment A-2** 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



SURFACE LOCATION
OCS-G 1572
WELL: CA-8
X = 2306046.08
Y = -58954.53
Lon: 90°22'50.8213"
Lat: 28°30'03.8292"

ATTACHMENT #A-1

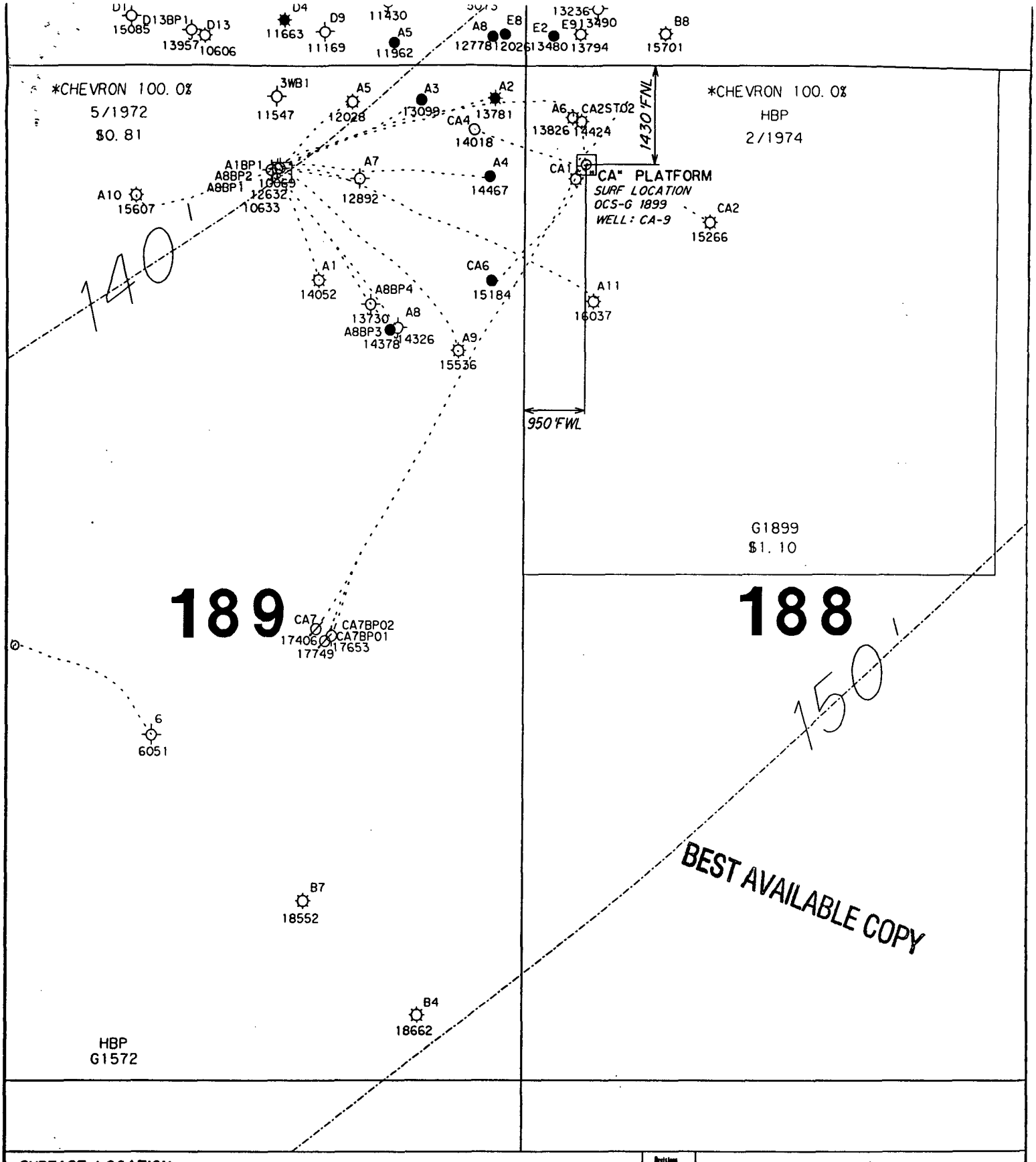
ChevronTexaco

SOUTH TIMBALIER 188
OFFSHORE LOUISIANA

LOCATION/BATHYMETRY
WELL 'CA-8'

BLOCKS 188

BY: J. McAuliffe C. I. *
DATE: 08-28-03
SCALE: 1" = 2000'
DEC 09-08-03
0' 1000' 2000'
s1 189 ca8.loc



SURFACE LOCATION
OCS-G 1572
WELL: CA-9
X = 2306046.08
Y = -58954.53
Lon: 90°22'50.8213"
Lat: 28°30'03.8292"

ATTACHMENT #A-1A

ChevronTexaco

SOUTH TIMBALIER 188
OFFSHORE LOUISIANA

LOCATION/BATHYMETRY
WELL 'CA-9'

BLOCKS 188

BY: J. McAuliffe C. I. = DATE: 09-08-03
SCALE: 1" = 2000' GEC 09-08-03
0' 1000' 2000' s1189_co9.loc

U.S. Department of the Interior
Minerals Management Service

OMB Control Number: 1010-0049
OMB Approval Expires: August 31, 2006

OCS PLAN INFORMATION FORM

General Information

Type of OCS Plan:		Exploration Plan (EP)	X	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-1899		Area: South Timbalier		Block(s) 188		Project Name (If Applicable): N/A	

Objective(s)	X	Oil	X	Gas		Sulphur		Salt	Onshore Base: Leeville Shorebase	Distance to closest land (Miles): 40.3

Description of Proposed Activities (Mark all that Apply)

	Exploration Drilling	X	Development Drilling
	Well completion		Installation of production platform
	Well test flaring (for more than 48 hours)		Installation of production facilities
	Installation of caisson or platform as well protection structure		Installation of satellite structure
	Installation of sub sea wellheads and/or manifolds	X	Commence production
	Installation of lease term pipelines		Other (specify and describe)

Have you submitted or do you plan to submit a Conservation Information Document to accompany this plan?		Yes	X	No
Do you propose to use new or unusual technology to conduct your activities?		Yes	X	No
Do you propose any facility that will serve as a host facility for deepwater sub sea development?		Yes	X	No
Do you propose any activities that may disturb an MMS-designated high-probability archaeological area?		Yes	X	No
Have all of the surface locations of your proposed activities been previously reviewed and approved by MMS?	X	Yes		No

Tentative Schedule of Proposed Activities

Proposed Activity	Start Date	End Date	No. of Days
Install Platform Extension	1/04/04	1/13/04	10
Install 30" conductors, Drill and complete Well #CA-8	2/01/04	4/15/04	75
Commence Production	4/16/04		
Install 30" conductors, Drill and complete Well #CA-9	4/17/04	6/30/04	75
Commence Production	7/01/04		

Description of Drilling Rig

X	Jack up		Drill ship		Caisson		Tension leg platform
	Gorilla Jack up		Platform rig		Well protector		Compliant tower
	Semi submersible		Submersible		Fixed platform		Guyed tower
	DP Semi submersible		Other (attach description)		Sub sea manifold		Floating production system
Drilling Rig Name (If known) Pride Kansas					Spar		Other (attach description)

Description of Production Platform

Description of Lease Term Pipelines

From (Facility/Area/Block	To (Facility/Area/Block)	Diameter (Inches)	Length (Feet)
N/A			

***Note: The installation of 30" conductors will be conducted when rig moves on location.**

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): "CA" #8				Sub sea Completion	
Anchor Radius (if applicable) in feet				Yes	X No
	Surface Location			Bottom-Hole Location (For Wells)	
Lease No.	OCS-1899				
Area Name	South Timbalier				
Block No.	188				
Block line Departures (in feet)	N / S Departure: 1430'	F N L		N / S Departure:	F L
	E / W Departure: 950'	F W L		E / W Departure:	F L
Lambert X-Y Coordinates	X: 2,306,046.08			X:	
	Y: -58,954.53			Y:	
Latitude / Longitude	Latitude: 28° 30' 03.8292"			Latitude:	
	Longitude: 90° 22' 50.8213"			Longitude:	
	TVD (Feet)		MD (Feet)		Water Depth (Feet) 150'

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)

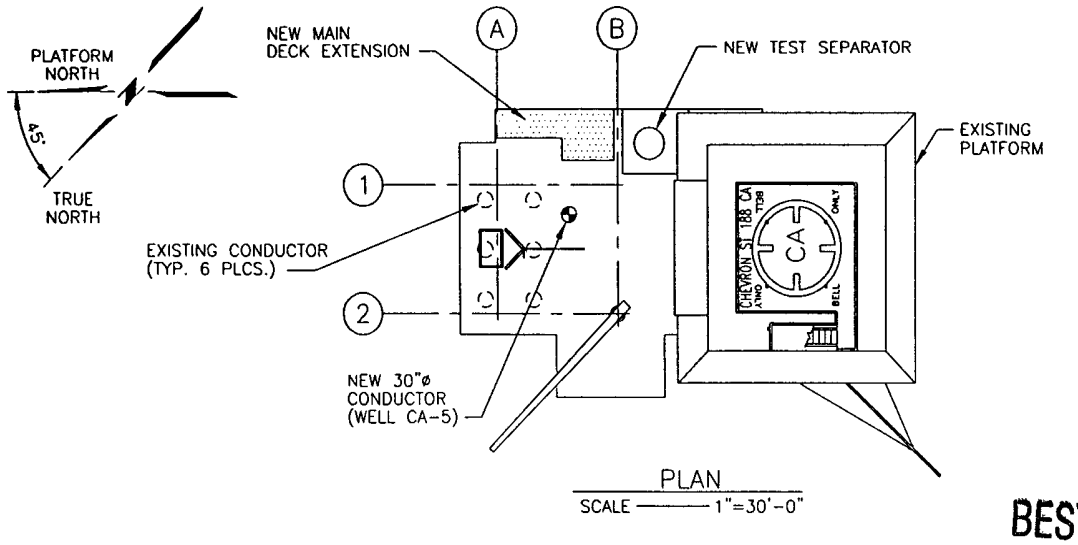
Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): "CA" #9				Sub sea Completion	
Anchor Radius (if applicable) in feet				Yes:	X — No
	Surface Location			Bottom-Hole Location (For Wells)	
Lease No.	OCS-1899				
Area Name	South Timbalier				
Block No.	188				
Block line Departures (in feet)	N / S Departure: 1430'	F N L		N / S Departure:	F L
	E / W Departure: 950'	F W L		E / W Departure:	F L
Lambert X-Y Coordinates	X: 2,306,046.08			X:	
	Y: -58,954.53			Y:	
Latitude / Longitude	Latitude: 28° 30' 03.8292"			Latitude:	
	Longitude: 90° 22' 50.8213"			Longitude:	
	TVD (Feet)		MD (Feet)		Water Depth (Feet) 150'

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.



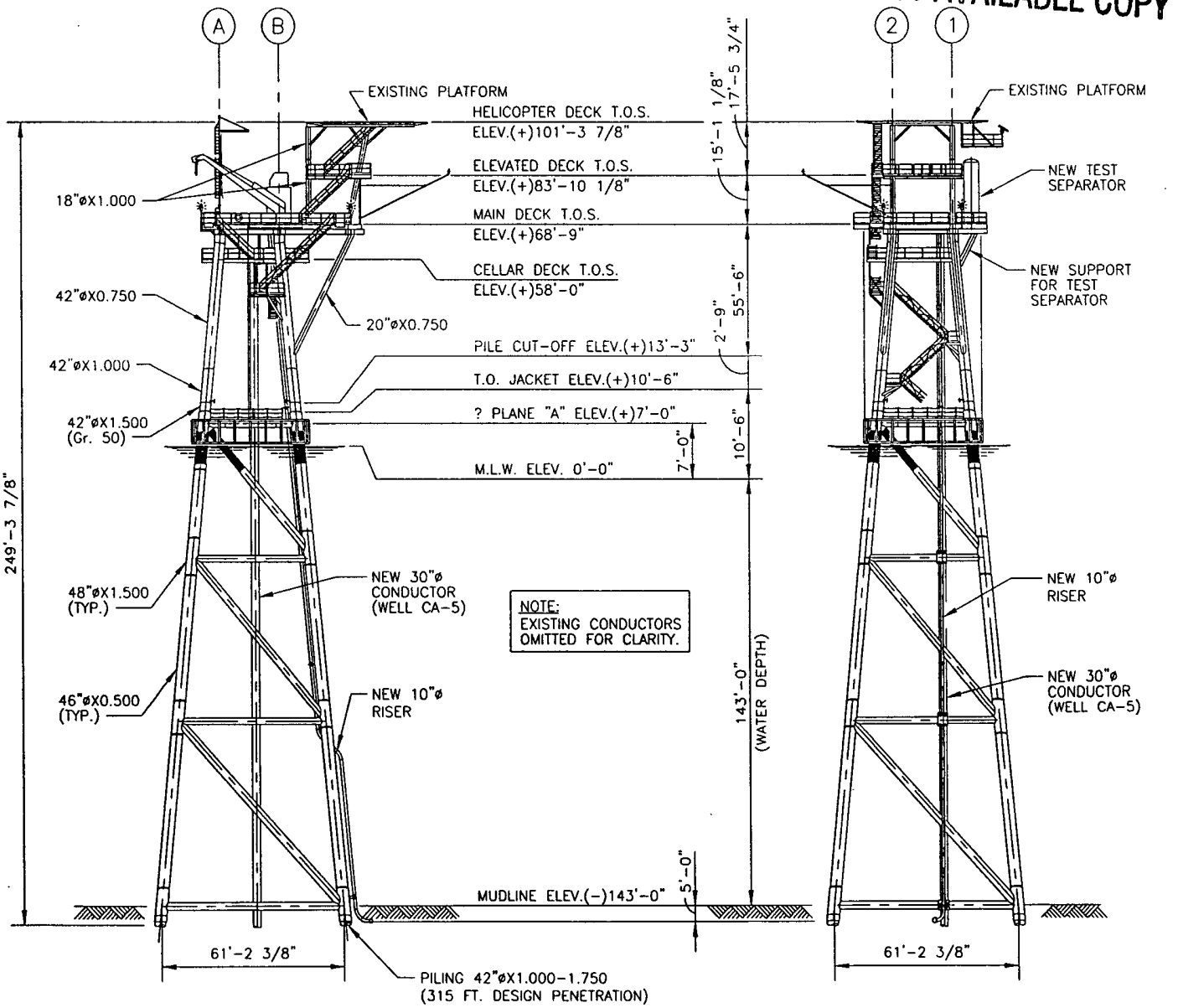
PLAN

SCALE ——— 1"=30'-0"

WELL CA-5 COORDINATES
X = 2,306,042.41 Y = (-)58,974.45 LAT. 28° 18' 2.149" N LONG. 90° 13' 43.167" W

DESIGN LIVE LOADS
150 PSF - ELEVATED DECK 150 PSF - MAIN DECK 150 PSF - CELLAR DECK (HELICOPTER DECK LOADS NOT INCLUDED)

BEST AVAILABLE COPY



WEST ELEVATION

SCALE ——— 1"=50'-0"

SOUTH ELEVATION

SCALE ——— 1"=50'-0"

ChevronTexaco
Chevron U.S.A. Production Company
Gulf Of Mexico – Business Unit

DWG. SCALE: NOTED	DRAWN BY: KEYSTONE (FJC)
ORIG. DATE: 4/21/03	CHECKED BY: MJB
PROJECT AFE:	APPROVED BY: EJW
PLOT SCALE: 1=1	PLOT DATE: 5/01/03 10:10 BGL

OCS-G-1899
SOUTH TIMBALIER 176 FIELD
SOUTH TIMBALIER BLOCK 188
"CA" STRUCTURE
ASSEMBLY

SHEET	DRAWING NUMBER	REV
A	N1487U02	0

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 well will be drilled and completed utilizing the Pride Kansas Jack-up drilling rig. 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 188 "CA" structure is a four pile satellite structure. It contains minimal surface facilities designed for high and intermediate pressure applications and include: Well heads, high intermediate and test headers, test separator, and crane. The structure is designed for remote applications consistent with the latest MMS Guidelines.

Wells on the ST 188 "CA" platform are tested at least on a monthly basis before leaving the platform. High pressure bulk production from the 188 "CA" structure is transported through a 10" infield pipeline to ST 177 "E" structure. Intermediate pressure bulk production from ST 188 "CA" is transported through a 6" infield pipeline to the ST 177 "E" structure.

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)

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. CA-8		
Well No. CA-9		

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.

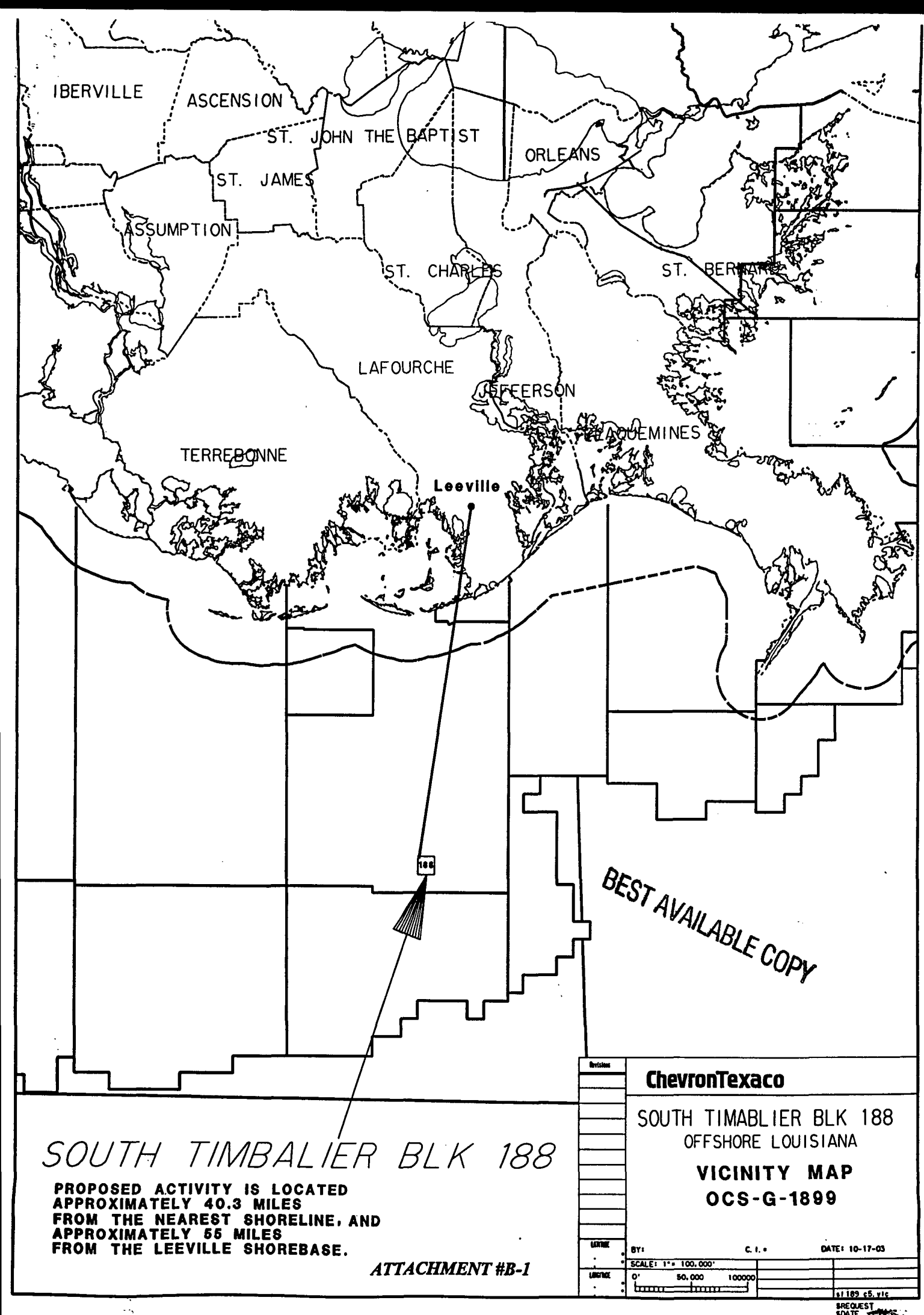
ONSHORE BASE AND SUPPORT VESSELS

South Timbalier Block 188 is approximately 40.3 statute miles from the nearest shoreline, and approximately 55 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	7/week	N/A	2/week
Workboat	2/week	10 days	N/A
Helicopters	2/week	1/day	2/week



SOUTH TIMBALIER BLK 188

PROPOSED ACTIVITY IS LOCATED APPROXIMATELY 40.3 MILES FROM THE NEAREST SHORELINE, AND APPROXIMATELY 55 MILES FROM THE LEEVILLE SHOREBASE.

ATTACHMENT #B-1

Revisions

ChevronTexaco

SOUTH TIMABLIER BLK 188
OFFSHORE LOUISIANA

VICINITY MAP
OCS-G-1899

BY: C. I. • DATE: 10-17-03

SCALE: 1" = 100,000'

0' 50,000 100000

s1189 c5.vic

$REQUEST
$DATE

LEASE STIPULATIONS

There are no lease stipulations in the South Timbalier Block 188 and 189 area which would affect any drilling or production associated with this DOCD.

RELATED OCS FACILITIES AND OPERATIONS

Gas and liquid production from the proposed wells will flow through the High or Intermediate pipelines to the ST 177 "E" facility. The Intermediate production enters an IP bulk separator where the gas and liquid are separated. IP gas is compressed to high pressure and combined with HP gas from other wells. IP liquids are sent to a low pressure separator where they are combined with production from other platforms. 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" departing sales line.

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

TRANSPORTATION METHOD

Production from the proposed well will be handled by existing transportation lines departing 6" and 10" pipelines to ST 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)

STRUCTURE MAPS

Current structure maps contoured for the lease block and drawn to the top of the prospective hydrocarbon accumulation showing the surface and bottom hole location of the proposed well are included as **Attachment C-1 and C-1A.**

INTERPRETED SEISMIC LINES

The proposed wells will be drilled from a previously approved surface location; therefore, no interpreted seismic lines are required.

CROSS-SECTION MAPS

Interpreted geological structure Cross-Section Map showing the location and depth of each proposed well, and at least one key horizon and the objective sands labeled using standard biostratigraphic terms is included in this section as **Attachment C-2 and C-2A.**

SHALLOW HAZARDS REPORT

A Shallow Hazard Report was prepared for ST Block 188 was performed by John Chance in February 1980. A Shallow Hazard Report was performed in ST Block 189 by Gulf Ocean Services, Inc. in February of 1999.

Two copies of these reports have previously been submitted to the Minerals Management Service with our Initial Plan.

SHALLOW HAZARD ASSESSMENT

A Shallow Hazard Analysis has been prepared for the proposed surface location, evaluating seafloor and subsurface geological and manmade features and conditions. The possibility of any shallow geologic hazard will be taken into account prior to the drilling of the proposed well or performing any of the other development activities.

A copy of the Shallow Hazard Analysis was previously submitted.

HIGH RESOLUTION SEISMIC LINES

The proposed operations will be conducted from an existing previously approved surface location; therefore, copies of the high resolution seismic lines are not required.

HYDROGEN SULFIDE (H2S)

In accordance with the requirement that the lease be classified regarding H2S, based on the drilling of previous wells, from this location, no nearby occurrences of H2S associated with the activities were encountered; therefore, we request that the area in which the operations will be conducted be classified as an area where the absence of H2S has been confirmed.

SECTION D BIOLOGICAL AND PHYSICAL INFORMATION
(Chemosynthetic, Topographic Information)

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 99-G16, 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 Blocks 188 and 189 are 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

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^3	3 ft^3/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

The following information is regarding our Regional Oil Spill Response Plan (OSRP) submitted to the Minerals Management Service for approval on February 28, 2002 and approved on September 10, 2002.

Chevron USA, Inc., Four Star Oil and Gas Co. 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 Initial Development Operations Coordination Document.

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 September 10, 2002, 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 Initial Development Operations Coordination Document.

Worst-Case Discharge Analysis

Category	Regional OSRP "Nearshore" Worst-Case Discharge Scenario	Regional OSRP "Farshore" Worst-Case Discharge Scenario	EP or DOCD
Type of Activity *(Types of activities include P/L, P/F, Caisson, subsea completions or manifold, and mobile drilling rig)*	Pipeline	Sub-sea Completion	Mobile Drilling Rig
Spill Location *(area/block)*	Chandeleur Sound Addition Block 11, (inside barrier islands)	Green Canyon Block 205, OCS-G-5911	ST Block 188 OCS-G-1899
Facility Designation *(e.g., Well #2, Platform JA, Pipeline Segment No. 6373)*	20" Crude Oil Line from Empire, LA to Pascagoula, MS – in state waters	Well No. A-2, Genesis Deepwater Spar – MMS Facility ID No. 67	Well No. CA-8, & 9
Distance to Nearest Shoreline *(miles)*	2-miles	81-miles	40.3 miles
Volume Storage Tanks (total) Flowlines (on facility) Lease Term Pipelines Uncontrolled Blowout (volume per day) Total Volume	Not itemized since WCD based on pipeline calculations as defined by CFR 254.47© 146,847 barrels	4000 barrels 250 barrels 80,000 barrels 84,250 barrels	100 barrels 136 barrels 1.4 barrels 2400 barrels 2637.4 barrels
Type of Oil(s) *(crude oil, condensate, diesel)*	Crude Oil	Crude Oil	Condensate
APIE Gravity(s)-Provide APIE gravity of all oils given under "Type of Oil(s)" above. Estimate for EP's)	22.3°	27.7°	41.4°

Since Chevron has the capability to respond to the worst-case spill scenario included in its Regional OSRP, approved September 10, 2002, and since the worst-case scenario determined for our Supplemental Development Operations Coordination Document 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 Initial Development Operations Coordination Document.

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)
None					

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
N/A			

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
N/A		

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.

SECTION G AIR EMISSIONS INFORMATION

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.

Screening Questions for EP'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)?		
Do your emission calculations include any emission reduction measures or modified emission factors?		
Are your proposed exploration activities located east of 87.5° W longitude?		
Do you expect to encounter H_2S at concentrations greater than 20 parts per million (ppm)?		
Do you propose to flare or vent natural gas for more than 48 continuous hours from any proposed well?		
Do you propose to burn produced hydrocarbon liquids?		

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_2S 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 <u>all</u> 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[1] (tons)	Calculated Exemption Amounts[2] (tons)	Calculated Complex Total Emission Amounts[3] (tons)
Carbon monoxide (CO)	76.81	1341.99	78.02
Particulate matter (PM)	10.30	1341.99	10.47
Sulphur dioxide (SO_2)	46.94	1341.99	47.68
Nitrogen oxides (NO_x)	352.04	1341.99	357.62
Volatile organic compounds (VOC)	12.82	1341.99	12.99

[1] For activities proposed in your EP or DOCD, list the projected emissions calculated from the worksheets.
[2] List the exemption amounts for your proposed activities calculated by using the formulas in 30 CFR 250.303(d).
[3] List the complex total emissions associated with your proposed activities calculated from the worksheets

(b) The name, telephone number, and e-mail address of the person(s) who calculated the projected Plan Emissions, Complex Total Emissions, and exemption amounts.

(c) Following your submittal of the summary information, the MMS GOMR may require you to submit the entire set of worksheets regardless of your response to the above screening questions. The MMS GOMR will make this determination on a case-by-case basis.

(2) If you answer *yes* to any of the above screening questions from the appropriate table, provide:

(a) Worksheets. A set of worksheets showing the emission calculations for your Plan Emissions and, if applicable, a second set showing the emission calculations for the Complex Total Emissions.

(b) Contact(s). The name, telephone number, and e-mail address of the person(s) who calculated the projected Plan Emissions, Complex Total Emissions, and exemption amounts.

In addition, if the screening results indicate that you are to submit worksheets, you may need to submit one or more of the following:

(C) Emission reduction measures. If your calculation of the projected Plan Emissions or Complex Total Emissions amounts includes emissions reduction measures, submit your worksheets and also use the format below to describe the emission reduction measures. You may use actual fuel usage information (e.g., run times, fuel consumption) for the existing co-located facilities and activities. If you do, provide 6 to 12 months of data for determining the average fuel usage. The actual fuel usage you use in the emissions calculations cannot be less than the average fuel usage.

Emission Source	Reduction Control Method	Amount of Reduction	Monitoring System
Compressor	**Clean burn technology**	**100 tons NO_x/year**	**Periodic stack test**
Prime mover	**Low sulphur fuel**	**10 tons SO_2/year**	**Visual check of fuel color and fuel receipts**
Prime mover	**Actual Fuel Consumption**	**300 tons NO_x/year**	**Fuel Log**
Generator	**Actual Run Time**	**100 tons NO_x/year**	**Run Time Log**

(D) Verification of non-default emission factors. If you use any air emission factors less than the default values in your calculation of the projected Plan Emission or Complex Total Emissions amounts, provide documentation supporting the use of the smaller emission factors. However, if

AIR EMISSION CUMPUTATION FACTORS

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/mmscf	7.6	0.593	100	5.5	84	P42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmscf		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/mmscf				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

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS
Chevron U.S.A. Inc.	South Timbalier	188	OCS-G-1899	"CA"	#8 & #9		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	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	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	600	28.98	695.52	1	150	1.32	1.94	18.50	1.48	4.00	0.10	0.15	1.39	0.11	0.30
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	150	1.06	4.85	36.34	1.09	7.93	0.48	2.18	16.35	0.49	3.57
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	43	1.41	6.47	48.46	1.45	10.57	0.24	1.11	8.33	0.25	1.82
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
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 (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)	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
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	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	10	0.63	2.91	21.81	0.65	4.76	0.01	0.06	0.44	0.01	0.10
PRODUCTION	RECIP.<600hp diesel Crane	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
	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	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
	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		365				0.50					2.19	
	GLYCOL STILL VENT-		0		0	0				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
2004 YEAR TOTAL							18.51	80.77	609.21	19.70	132.89	10.30	46.94	352.04	12.82	76.81
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											1341.99	1341.99	1341.99	1341.99	39965.23
	40.3															

AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxxx
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	188	OCS-G-1899	"CA"	#8 & #9

Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2004	10.30	46.94	352.04	12.82	76.81
Allowable	1341.99	1341.99	1341.99	1341.99	39965.23

AIR EMISSION CUMPUTATION FACTORS

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/mmscf	7.6	0.593	100	5.5	84	P42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmscf		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/mmscf				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

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT			PHONE	REMARKS					
Chevron U.S.A. Inc.	South Timbalier	188	OCS-G-1899	"CA"	#8 & #9		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	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	150	1.04	4.77	35.76	1.07	7.80	1.87	8.59	64.37	1.93	14.04
	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	600	28.98	695.52	1	150	1.32	1.94	18.50	1.48	4.00	0.10	0.15	1.39	0.11	0.30
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	150	1.06	4.85	36.34	1.09	7.93	0.48	2.18	16.35	0.49	3.57
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	43	1.41	6.47	48.46	1.45	10.57	0.24	1.11	8.33	0.25	1.82
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
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 (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)	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
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	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	10	0.63	2.91	21.81	0.65	4.76	0.01	0.06	0.44	0.01	0.10
PRODUCTION	RECIP.<600hp diesel Crane	116	5.6028	134.47	2	36	0.26	0.38	3.58	0.29	0.77	0.01	0.01	0.13	0.01	0.03
	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	3000	144.9	3477.60	2	75	2.11	9.70	72.69	2.18	15.86	0.16	0.73	5.45	0.16	1.19
	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		365				0.50					2.19	
	GLYCOL STILL VENT-		0		0	0				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
2004	YEAR TOTAL						20.88	90.85	685.47	22.17	149.52	10.47	47.68	357.62	12.99	78.02
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES 40.3											1341.99	1341.99	1341.99	1341.99	39965.23

Note: Crane operates approximately 2 hours week

AIR EMISSIONS CALCULATIONS - SECOND YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS
Chevron U.S.A. Inc.	South Timbalier	188	OCS-G-1899	"CA"	#8 & #9	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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(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
	VESSELS>600hp diesel(tugs)	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
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	116	5.6028	134.47	2	52	0.26	0.38	3.58	0.29	0.77	0.01	0.02	0.19	0.01	0.04
	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	3000	144.9	3477.60	2	104	2.11	9.70	72.69	2.18	15.86	0.22	1.01	7.56	0.23	1.65
	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		365				0.50					2.19	
	GLYCOL STILL VENT-		0		0	0				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
2005 YEAR TOTAL							2.37	10.08	76.26	2.97	16.63	0.23	1.03	7.75	2.43	1.69
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											1341.99	1341.99	1341.99	1341.99	39965.23
	40.3															

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AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxxx
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	188	OCS-G-1899	"CA"	#8 & #9

Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2004	10.47	47.68	357.62	12.99	78.02
2005	0.23	1.03	7.75	2.43	1.69
2006	0.23	1.03	7.75	2.43	1.69
2007	0.23	1.03	7.75	2.43	1.69
2008	0.23	1.03	7.75	2.43	1.69
Allowable	1341.99	1341.99	1341.99	1341.99	39965.23

SECTION H ENVIRONMENTAL IMPACT ANALYSIS

(Environment Report)

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.

SECTION I COASTAL ZONE CONSISTENCY CERTIFICATION

The Coastal Zone Management Consistency Certification is not required.

SECTION J PLAN INFORMATION FORM

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

ENVIRONMENTAL IMPACT ANALYSIS
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT

SOUTH TIMBALIER BLOCK 188 AND 189
OCS-G-1899 AND OCS-G-1572 – WELL NO. CA-8 AND CA-9
OFFSHORE LOUISIANA

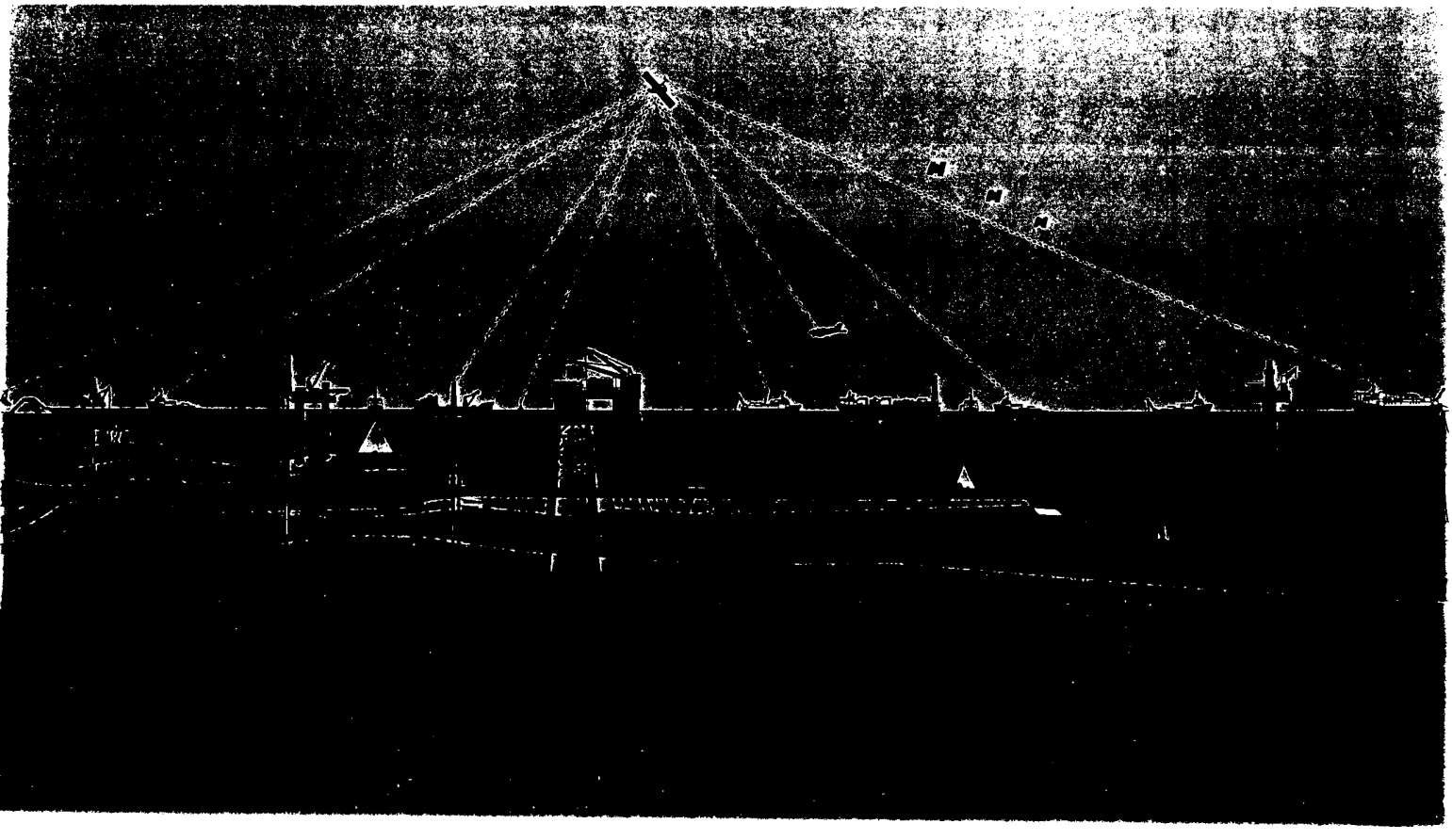
CHEVRON U.S.A., INC.
935 GRAVIER STREET
NEW ORLEANS, LA 70112

SUBMITTED TO:
MS. SHIRLEY A. RONDENO
PERMIT SPECIALIST

OCTOBER 2003

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

CHANCE PROJECT NO. 03-5559



(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 188 and 189. 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 of disposal	Accidents (e.g., oil spills, chemical spills, H_2S releases)	Other IPFs identified
Site-specific at Offshore Location						
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)			
Vicinity of Offshore Location						
Essential fish habitat		x			x (6)	
Marine and pelagic birds					x	
Public health and safety					(5)	
Coastal and Onshore						
Beaches					x (6)	
Wetlands					x (6)	
Shore birds and coastal nesting birds					x (6)	
Coastal wildlife refuges					x	
Wilderness areas						
Other Resources Identified						

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_2S 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 188 and 189. The following Impact Producing Factors (IPFs) would not have any affects 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 27 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 123 miles away in Main Pass Area Block 290. Therefore, Impact Producing Factors (IPFs) from South Timbalier Area Block 188 and 189 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 123 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 over 123 miles east from the proposed activity in South Timbalier Area Block 188 and 189 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 188 and 189 will occur in water that is approximately 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 188 and 189 would be expected to impact any chemosynthetic community.

Water Quality

As with all offshore activity there is always the probability 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 188 and 189.

It is unlikely that due to any of the proposed activities an oil spill would occur in South Timbalier Area Block 188 and 189. 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 188 and 189 lies within the limits of the brown shrimp harvesting grounds, coastal demersal fish, coastal pelagics, and major finfish harvest area. This block lies outside the fishing limits of the Primary Industrial Bottomfishing area, 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).

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 188 and 189, 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 188 and 189 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 188 and 189 (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 188 and 189. 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 kempii*), 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 188 and 189, 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 188 and 189. 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

An Archaeological Resource Report for South Timbalier Area Block 188 and 189 is not required because the proposed activities will be done from an existing structure. Any proposed activities would not be expected to impact any 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

This South Timbalier Area Block 188 and 189 lies within the limits of the brown shrimp harvesting grounds, coastal demersal fish, coastal pelagics, and major finfish harvest area. This block lies outside the fishing limits of the Primary Industrial Bottomfishing area, the principle menhaden fishing grounds, the principal seabob grounds, and the white shrimp harvesting grounds. The area is also some distance from 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 188 and 189 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 188 and 189 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 188 and 189. 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_2S 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 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 38 miles from South Timbalier Area Block 188 and 189. 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 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 38 miles from South Timbalier Area Block 188 and 189. 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 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 38 miles from South Timbalier Area Block 188 and 189. 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 accidental oil spill from the proposed activities would have a 3/14/19 percent chance (based on 3, 10, or 30 days from spill) of causing impacts to the Coastal Wildlife Refuges that occur on shore, in Terrebonne Parish, approximately 38 miles from South Timbalier Area Block 188 and 189, specifically Terrebonne Barrier Island Wildlife Refuge. The 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).

Wilderness Areas

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 Wilderness Areas in onshore locations. An

accidental oil spill from the proposed activities could not cause impacts to any Wilderness Areas since Louisiana has only the Kisatchie Hills designated by congress as a "Wilderness Area", and this area is located in central 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).

Other Environmental Resources Identified

It is expected that the proposed activities in South Timbalier Area Block 188 and 189 will have no other environmental resources identified or impacted.

(C) Impacts on South Timbalier Area Block 188 and 189

It is expected that the activities proposed for South Timbalier Area Block 188 and 189 will have no impacts on site-specific environmental conditions. The conditions of the site have been analyzed in order to make this judgment.

(D) Alternatives

Due to the lack of Environmental Impacts no alternative was considered for the proposed activities in South Timbalier Area Block 188 and 189.

(E) Mitigation measures

With the exception of measures required by regulation no mitigative steps will be taken to avoid, diminish, or eliminate potential impacts to environmental resources.

(F) Consultation

John Chance Land Surveys, Inc. / FUGRO Ecological Scientists were consulted regarding potential for impacts to environmental resources due to the proposed activities.

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