

UNITED STATES GOVERNMENT  
MEMORANDUM


February 2, 2005

To: Public Information (MS 5034)  
From: Plan Coordinator, FO, Plans Section (MS 5231)

Subject: Public Information copy of plan  
Control # - S-06613  
Type - Supplemental Development Operations Coordinations Document  
Lease(s) - OCS-G01088 Block - 89 West Delta Area  
Operator - Walter Oil & Gas Corporation  
Description - Well A-25  
Rig Type - JACKUP

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/A025	G01088/WD/89	7266 FSL, 3203 FEL	G01088/WD/89

NOTED - SCHEXNAILDRE

ISS FEB 3'05AM11:05



WALTER OIL & GAS CORPORATION

January 27, 2005

Mr. Donald C. Howard  
Regional Supervisor  
Office of Field Operations  
U.S. Department of the Interior  
Minerals Management Service  
1201 Elmwood Park Boulevard  
New Orleans, LA 70123-2394



RE: Supplemental Development Operations Coordination Document  
Lease OCS-G 01088, West Delta Block 089  
OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

In accordance with the provisions of Title 30 CFR 250.203 and NTL 2003-G17, Walter Oil & Gas Corporation hereby submits for your review and approval two (2) hard copies of a Supplemental Development Operations Coordination Document (Plan) for Lease OCS-G 01088, West Delta Area, Block 089, Offshore Louisiana. One (1) copy is "Proprietary Information" and one (1) copy is "Public Information". There are two (2) CD-ROM's in a PDF format for MMS Public and Proprietary copies.

Excluded from the Public Information copies are certain Geologic discussions, depths of well(s) and structure maps.

Walter anticipates commencing drilling operations approximately March 1, 2005.

Should additional information be required, please contact the undersigned at 713/659-1221.

Sincerely,

WALTER OIL & GAS CORPORATION

*Judy Archer/nc*  
Judy Archer  
Regulatory / Environmental Coordinator

**PUBLIC INFORMATION**

JA:KC

Enclosures

**Walter Oil & Gas Corporation  
Supplemental Development Operations Coordination Document  
West Delta Block 89  
Lease OCS-G 01088  
January 27, 2005**

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## **Appendix A**

### **CONTENTS OF PLAN**

In accordance with 43 CFR 2.13 (c)(9), those items considered proprietary have been omitted from the Public Information copy and have been referenced accordingly.

#### **A. LEASE DESCRIPTION / ACTIVITY**

Lease OCS-G 01088 was acquired at the Central Gulf of Mexico Lease Sale No. 09. The lease was issued with an effective date of June 1, 1962 and is presently held by production.

Under this Supplemental DOCD, Walter Oil & Gas plans to drill, complete and test one (1) well (No. A-25) in West Delta Block 89 from an existing production platform owned by ENI. The well will be produced via an existing 8-inch oil R-O-W pipeline (Segment No. 9170 / ROW OCS-G 12341) which flows to an existing Equilon sales pipeline and via an existing 8" gas R-O-W pipeline (Segment 9174 / ROW OCS-G 12365) which flows to an existing Southern Natural Gas sales pipeline.

#### **PROPRIETARY DATA**

Attachment A-1 is MMS Form 137 with details of the drilling, completion and potential testing of this proposed well as provided for in this Plan along with a tentative schedule leading to commencement of production.

#### **B. LOCATION / MAPS**

Included in this section is the Well Location Map (**Attachment A-2**). The map shows the surface location(s) of all existing and proposed well(s). The proposed / existing bottom hole location(s), depth of well(s) (MD and TVD) and the associated water depths for each subsea well are provided in tabular format. Please note, bottom hole locations, MD & TVD depths are omitted from the Public Information Copy.

#### **C. DRILLING**

Offshore exploratory and development activities are carried out from mobile drilling rigs. The five most common types of mobile rigs employed for exploratory drilling offshore are submersible drilling rigs, semi-submersible drilling rigs, jack-up drilling rigs, drill ships, and drill barges.

The proposed well(s) will be drilled and completed with the Ensco 89. Rig specifications will be made a part of the appropriate Application for Permit to Drill.

Safety features on the MODU will include well control, pollution prevention, welding procedure, and blowout prevention equipment as described in Title 30 CFR Part 250, Subparts C, D, E, G and O; and as further clarified by MMS Notice to Lessees, and current policy making invoked by the MMS, Environmental Protection Agency and the U.S. Coast Guard. The appropriate life rafts, life jackets, ring buoys, etc., as prescribed by the U.S. Coast Guard will be maintained on the facility at all times.

In accordance with Title 30 CFR Part 250, Subpart O, an operator is to ensure Well Control Training is provided for lessee and contractor personnel engaged in oil and gas operations in the OCS Gulf of Mexico. Further, the operator is charged with the responsibility to not create conditions that will pose unreasonable risk to the public health, life, property, aquatic life, wildlife, recreation, navigation, commercial fishing, or other uses of the ocean.

Supervisory and certain designated personnel on-board the facility are to be familiar with the effluent limitations and guidelines for overboard discharges into the receiving waters, as outlined in the NPDES General Permit GMG290000. Some of these pollution prevention measures include installation of curbs, gutters, drip pans, and drains on drilling deck areas to collect all contaminants and debris.

The MMS is required to conduct onsite inspections of offshore facilities to confirm operators are complying with lease stipulations, operating regulations, approved plans, and other conditions; as well as to assure safety and pollution prevention requirements are being met. The National Potential Incident of Noncompliance (PINC) List serves as the baseline for these inspections. The MMS also inspects the stockpiles of equipment listed in the operator's approved Oil Spill Response Plan that would be used for the containment and cleanup of hydrocarbon spills.

#### D. PRODUCTION FACILITY

Well No. A-25 will be drilled from ENI's existing A platform in West Delta 89.

There will be no additional facilities installed at this platform. There will be no need to modify the existing ROW pipelines.

No new nearshore or onshore pipelines or facilities will be constructed.

# ATTACHMENT A-1

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:	<input type="checkbox"/> Exploration Plan (EP)	<input checked="" type="checkbox"/> Development Operations Coordination Document (DOCD)
Company Name:	Walter Oil & Gas Corp.	
MMS Operator Number:	0730	
Address:	1100 Louisiana, Suite 200 Houston, TX 77002	
Contact Person:	Judy Archer	
Phone Number:	713/659-1222	
E-Mail Address:	jarcher@walteroil.com	
Lease: OCS-G 01088	Area: West Delta	Block: 89
Project Name (If Applicable):		NA
Objective(s):	<input checked="" type="checkbox"/> Oil	<input checked="" type="checkbox"/> Gas
<input checked="" type="checkbox"/> Sulphur	<input type="checkbox"/> Salt	Onshore Base: Fourchon, LA
Distance to Closest Land (Miles):		12

### Description of Proposed Activities (Mark all that apply)

<input type="checkbox"/>	Exploration drilling	<input checked="" type="checkbox"/>	Development drilling
<input checked="" type="checkbox"/>	Well completion	<input type="checkbox"/>	Installation of production platform
<input checked="" type="checkbox"/>	Well test flaring	<input type="checkbox"/>	Installation of production facilities
<input type="checkbox"/>	Installation of well protection structure	<input type="checkbox"/>	Installation of satellite structure
<input type="checkbox"/>	Installation of subsea wellheads and/or manifolds	<input type="checkbox"/>	Installation of lease term pipelines
<input type="checkbox"/>	Temporary well abandonment	<input checked="" type="checkbox"/>	Commence production
<input type="checkbox"/>	Other (Specify and describe)		

Do you propose to use new or unusual technology to conduct your activities?	Yes	<input checked="" type="checkbox"/> No
Do you propose any facility that will serve as a host facility for deepwater subsea development?	Yes	<input checked="" type="checkbox"/> No
Do you propose any activities that may disturb an MMS-designated high-probability archaeological area?	Yes	<input checked="" type="checkbox"/> No

### Tentative Schedule of Proposed Activities

Proposed Activity	Start Date	End Date	No. of Days
Drill Well A-025	03/01/2005	03/31/2005	30
Complete Well A-025	04/01/2005	04/20/2005	20
Test Well	04/21/2005	04/21/2005	1
Commence Production	04/22/2005		

### Description of Drilling Rig

### Description of Production Platform

<input checked="" type="checkbox"/> Jackup	<input type="checkbox"/> Drillship	<input type="checkbox"/> Caisson	<input type="checkbox"/> Tension leg platform
<input type="checkbox"/> Gorilla Jackup	<input type="checkbox"/> Platform rig	<input type="checkbox"/> Well protector	<input type="checkbox"/> Compliant tower
<input type="checkbox"/> Semisubmersible	<input type="checkbox"/> Submersible	<input type="checkbox"/> Fixed platform	<input type="checkbox"/> Guyed tower
<input type="checkbox"/> DP Semisubmersible	<input type="checkbox"/> Other (Attach Description)	<input type="checkbox"/> Subsea manifold	<input type="checkbox"/> Floating production system
Drilling Rig Name (If Known):	Unknown	Spar	Other (Attach Description)

### Description of Lease Term Pipelines

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

**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: <b>Well A025</b>		Subsea Completion	
Anchor Radius (if applicable) in feet: <b>NA</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> X <input type="checkbox"/> No
	<b>Surface Location</b>	<b>Bottom-Hole Location (For Wells)</b>	
Lease No.	OCS-G 01088		
Area Name	West Delta		
Block No.	089		
Block line Departures (in feet)	N/S Departure: 7265.80 FSL		
	E/W Departure: 3203.05 FEL		
Lambert X-Y coordinates	X: 2,550,024.88		
	Y: 89,415.80		
Latitude/ Longitude NAD 27	Latitude: 28° 54' 04.317" N		
	Longitude: 89° 36' 52.477" W		
	TVD (Feet):	MD (Feet):	Water Depth (Feet): <b>220</b>

**Anchor Locations for Drilling Rig or Construction Barge**

Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
1					
2					
3					
4					
5					
6					
7					
8					

**Paperwork Reduction Act of 1995 Statement:** The Paperwork Reduction Act of 1995 (44 U.S.C. Chapter 35) requires us to inform you that MMS collects this information as part of an applicant's Exploration Plan or Development Operations Coordination Document submitted for MMS approval. We use the information to facilitate our review and data entry for OCS plans. We will protect proprietary data according to the Freedom of Information Act and 30 CFR 250.196. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid Office of Management and Budget Control Number. The use of this form is voluntary. The public reporting burden for this form is included in the burden for preparing Exploration Plans and Development Operations Coordination Documents. We estimate that burden to average 580 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 4230, Minerals Management Service, 1849 C Street, N.W., Washington, DC 20240.

WEST DELTA 89 REEF

AMOCO  
⊙ 2

PROPOSED LOCATIONS

LOCATION	CALLNS	CALLEW	X COORDINATE	Y COORDINATE	LATITUDE	LONGITUDE	WD	TVD	MD
A25 SURFACE	7,265.80' FSL	3,203.05' FEL	2,550,024.88'	89,415.80'	28° 54' 04.317"N	89° 38' 52.477"W	220'		15,824'

WD90  
OCS-G-01089  
Apache

WD89  
OCS-G-01088  
WALTER O & G

WD88  
OCS-G-10882  
ENI

AMOCO  
⊙ 5,5

AMOCO  
⊙ 6

A  
A025  
SURF  
McMORAN  
7  
G01088

AMOCO  
⊙ 1  
G01088

McMORAN  
⊙ 8

GRID NORTH

WD103

WD104

⊙ 6

WD105

**PUBLIC  
INFORMATION**



WALTER OIL & GAS CORPORATION

**SUPPLEMENTAL  
DEVELOPMENT & PRODUCTION PLAN**

OCS-G-01088  
BLOCK 89 WEST DELTA AREA  
GULF OF MEXICO

**FUGRO CHANCE INC.**

200 Dallas Dr. Lafayette, Louisiana 70506-2001 (537) 337-1300



GEODETIC DATUM: NAD27  
PROJECTION: LOUISIANA SOUTH  
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'  
IN FEET

Job No.: 05-0179

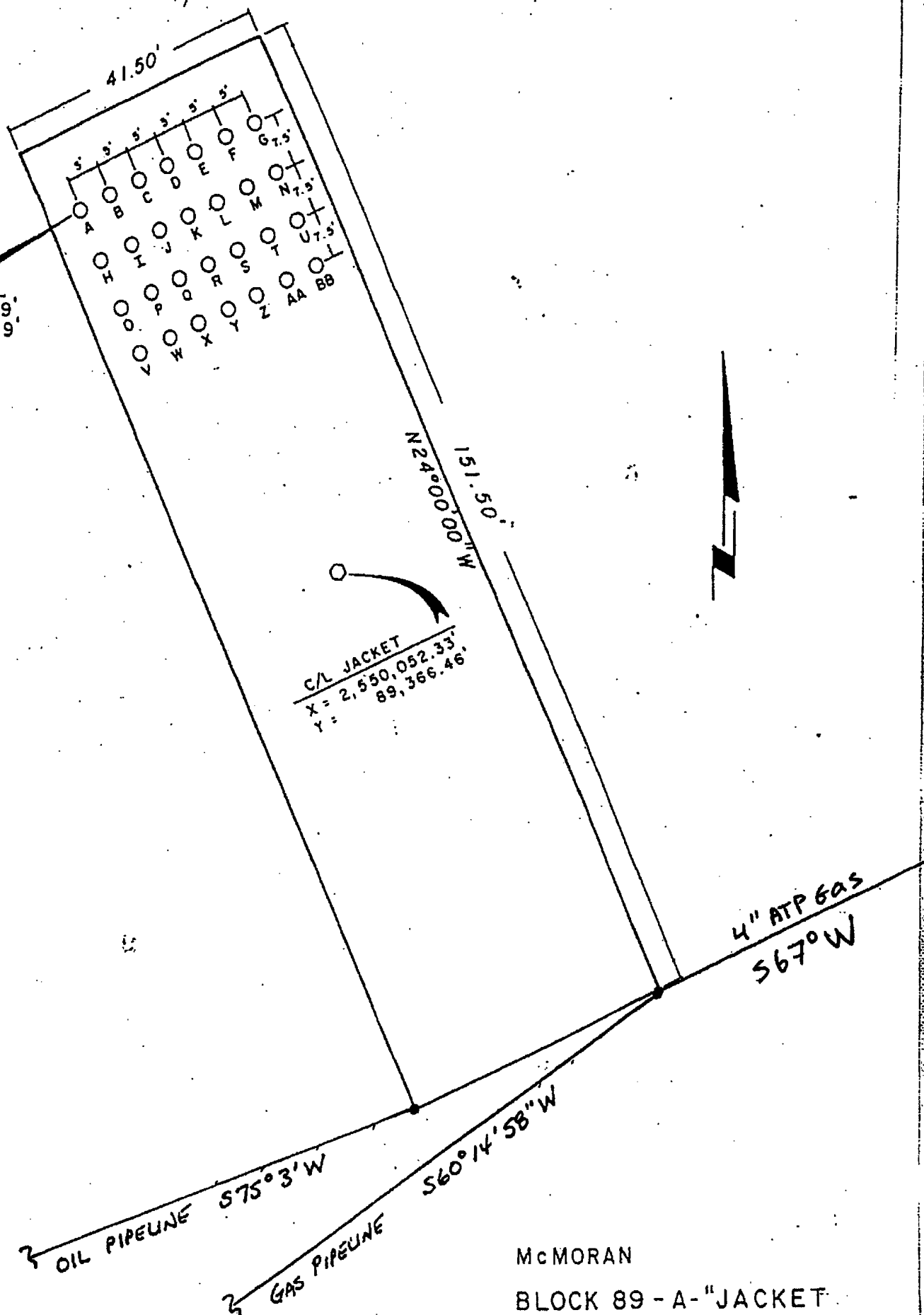
Date: 1/10/05

Drwn: TCG

Chart: Of:



VD. "A"  
 2,550,012.69'  
 89,418.59'



McMORAN

BLOCK 89-A-"JACKET"

WEST DELTA AREA

SCALE: 1" = 20'

3/20/89

Prepared By,  
 John E. Chance & Associates, Inc.

OSTS Questions for DOCD

Walter Oil & Gas Corporation  
West Delta Area Block 89  
Lease OCS-G 1088  
Supplemental DOCD

1. Was the structure installed within the last 5 years? 1. a. If so, do your proposed activities require a structural modification that would increase loading on the structure beyond the original design?	<b>NO</b>
2. Will the structure change from unmanned to manned?	<b>NO</b>
3. Are you adding facilities to the structure which will result in 10% or greater change from original design parameters?	<b>NO</b> - New wells will be in existing well slots. <b>New production equipment (if any, undefined at this point) should be well within original design loading conditions.</b> <b>(Platform originally designed as a drilling platform, 500 psf deck beam loading)</b>
4. Will your proposed activities increase loading on structure resulting in 10% or greater change from original design parameters?	<b>NO</b> - Drilling activities shall be performed with a jack up drilling rig. Consequently, there will be no additional load on the structure due to drilling. <b>The undefined additional production equipment (if any) are expected to be well within original design parameters.</b>
5. Is your deck height adequate according to API RP 2A-WSD Section 17.2.4?	<b>YES</b> - API RP 2A, 21 <sup>st</sup> Edition, Figure 17.6.2-2b Full Population Hurricane Deck Height Criteria requires a deck height of 44.75 Feet. (Maximum Criteria) <b>The elevation of the bottom of the truss row on the cellar deck is approximately 52'-0"</b>
6. Has the structure undergone an annual topsides inspection? 6. a. Was any damage discovered by this inspection?	<b>YES - 2004</b> <b>No damage was discovered.</b>
7. Has the structure undergone an underwater inspection within the last 5 years? 7. a. Was any damage discovered by this inspection?	<b>YES - 2005</b> <b>No damage was discovered.</b>

## **Appendix B**

### **GENERAL INFORMATION**

In accordance with 43 CFR 2.13 (c)(9), those items considered proprietary have been omitted from the Public Information copy and have been referenced accordingly.

#### **A. CONTACT**

Inquiries may be made to the following authorized representative:

Judy Archer  
1100 Louisiana St., Suite 200  
Houston, Texas 77002  
713 / 659-1221  
Email: [jarcher@walteroil.com](mailto:jarcher@walteroil.com)

#### **B. NEW OR UNUSUAL TECHNOLOGY**

Walter does not propose the use of any new or unusual technology in the activities proposed under this plan.

#### **C. PRODUCTION RATES AND LIFE OF RESERVES - Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

#### **D. NEW OR UNUSUAL TECHNOLOGY**

Walter does not propose the use of any new or unusual technology in the activities proposed under this plan.

#### **E. BONDING INFORMATION**

In accordance with regulations contained in Title 30 CFR Part 256, Subpart I, and further clarified by NTL 00-G16 pertaining to general lease surety bonds, Walter has on file with the Minerals Management Service a \$3,000,000 Areawide Development Bond.

#### **F. ONSHORE BASE AND SUPPORT VESSELS**

West Delta Block 89 is located approximately 12 statute miles from the nearest Louisiana shoreline and approximately 38 statute miles from the onshore support base located in Fourchon, Louisiana. A Vicinity Plat showing the location of West Delta Block 89 relative to the shoreline and the onshore base is included as **Attachment B-1**.

Name	Location	Existing, New or Modified
ASCO Magnolia	Fourchon, LA	Existing

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. The base will also serve as a loading point for tools, equipment and machinery to be delivered to the MODU, crew change and transportation base, and temporary storage for materials and equipment. The facilities typically include outdoor storage, forklift and crane service, dock, trailer facilities, a radio tower with a phone patch and parking, as well as 24-hour service.

Support vessels and travel frequency during the proposed drilling, completion activities are as follows:

Type	Trips / Week – Drilling	Trips / Week – Production	Hours on Location
Crew Boat	5	0	4
Supply Boat	3	1	4
Helicopter	As needed	2	1
Anchor Handling Tugs	NA	NA	NA

Personal vehicles will be the main means of transportation to carry personnel from various locations to the onshore base area. During drilling operations, they will be transported to the MODU by the crew boat. A supply boat will also be utilized to transport small supplies, and on occasion, personnel. Helicopters will be utilized on an as needed basis. The most practical, direct route permitted by the weather and traffic conditions will be utilized.

During the proposed operations, Walter and contractor personnel will be employed on the rig conducting drilling and completion activities. During these periods of time, approximately 35-50 personnel may be engaged in designated activities. Personnel engaged in onshore operations will be the dispatcher at the pre-determined support base, contract personnel for off loading equipment and materials required to support the activities, as well as the personnel needed to transport same to the offshore facility.

The proposed operations do not mandate any immediate measures for land acquisition or expansion of the existing onshore base facilities.

Dredging and filling operations will not be required for the operations, nor will any new construction or expansion of onshore facilities be involved for the operations proposed in this Plan.

## **G. LEASE STIPULATIONS**

Oil and gas exploration and development activities on the OCS are subject to stipulations developed before the lease sale and would be attached to the lease instrument, as necessary,

in the form of mitigating measures. The MMS is responsible for ensuring full compliance with stipulations.

The Minerals Management Service did not invoke any lease stipulations for West Delta Area, Block 89, OCS-G 01088.

#### **H. RELATED OCS FACILITIES AND OPERATIONS**

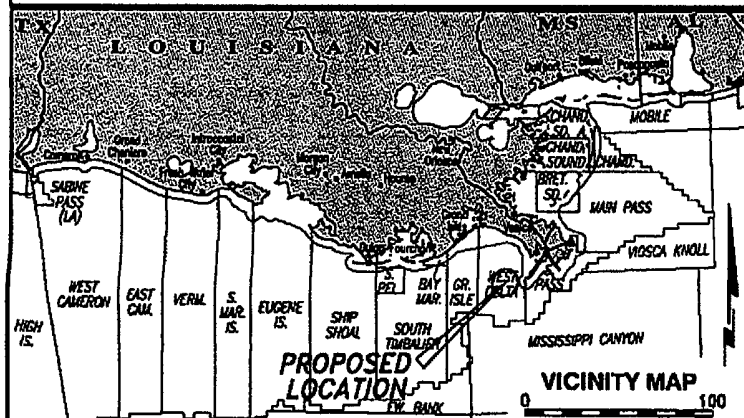
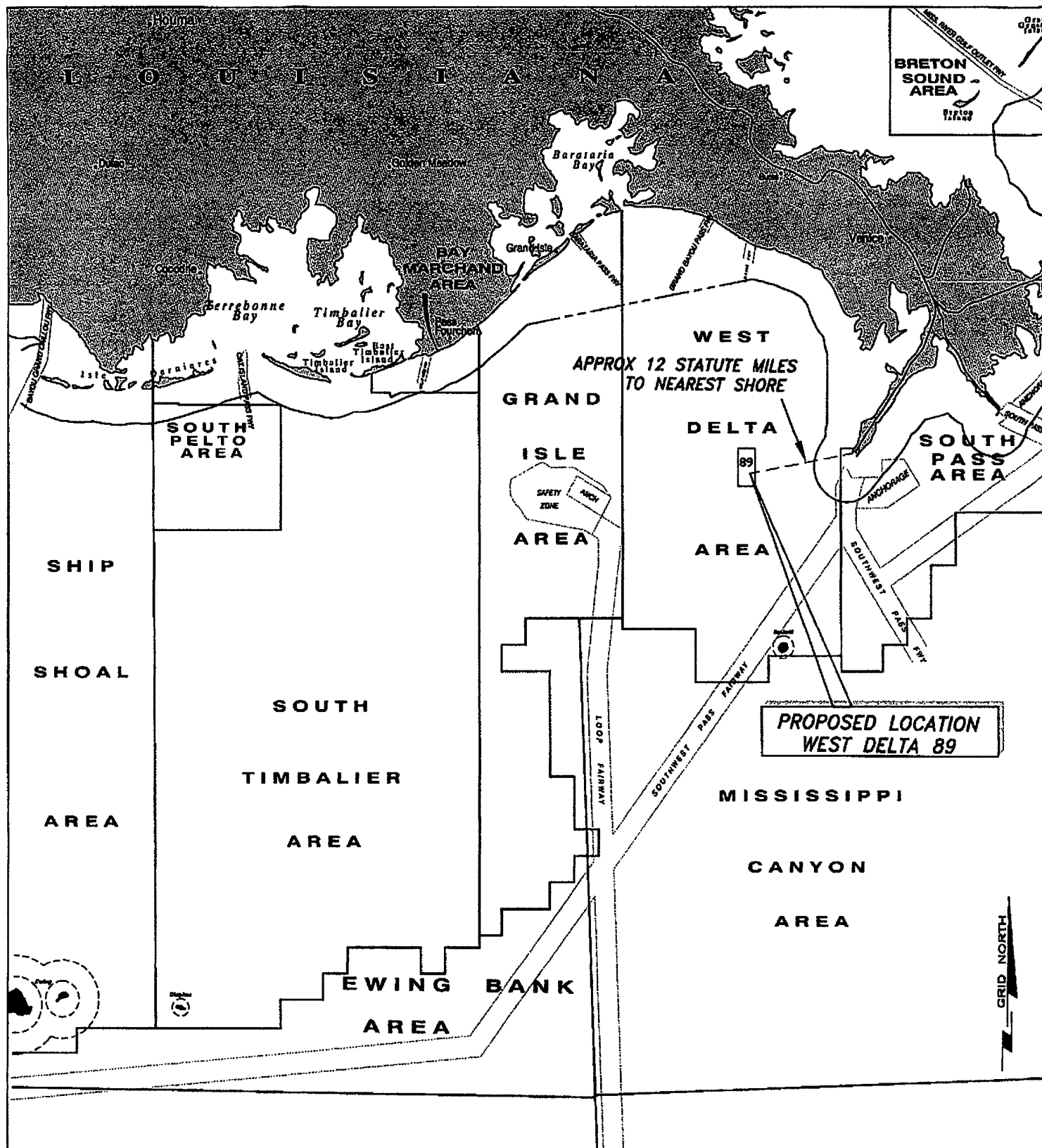
As mentioned in Appendix A, Well No. A-25 will be drilled from an existing production platform.


There will be no lease term pipelines or new OCS facilities installed under this proposed plan.

#### **I. TRANSPORTATION INFORMATION**

The well will be produced via an existing 8-inch oil R-O-W pipeline (Segment No. 9170 / ROW OCS-G 12341) which flows to an existing Equilon sales pipeline and via an existing 8" gas R-O-W pipeline (Segment 9174 / ROW OCS-G 12365) which flows to an existing Southern Natural Gas sales pipeline.

Walter does not anticipate the need to build, expand or modify any refineries, gas plants or compressor stations as the result of the activities proposed in this Supplemental DOCD. There will be no need for barging of condensate or crude production.



 <b>WALTER OIL &amp; GAS CORPORATION</b>			
<b>VICINITY MAP</b> <b>OCS-G-01088</b> BLOCK 89 WEST DELTA AREA GULF OF MEXICO			
<b>FUGRO CHANCE INC.</b> <small>290 Dallas Dr. Lafayette, Louisiana 70506-3001 (337) 337-1300</small>			
GEODETTIC DATUM: NAD 1927 PROJECTION: LOUISIANA SOUTH GRID UNITS: US SURVEY FEET		SCALE 0 80,000' IN FEET	
Job No.: 05-0179	Date: 01/10/05	Drwn: TCG	Chart: Of:

**Appendix C**  
**Geological, Geophysical & H<sub>2</sub>S INFORMATION**

In accordance with 43 CFR 2.13 (c)(9), those items considered proprietary have been omitted from the Public Information copy and have been referenced accordingly.

**A.    STRUCTURE CONTOUR MAPS – Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

**B.    INTERPRETED 2-D or 3-D SEISMIC LINES - Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

**C.    GEOLOGICAL STRUCTURE CROSS-SECTIONS – Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

**D.    SHALLOW HAZARDS REPORT – Proprietary Data (Omitted from PI Copy)**

Any survey(s) prepared for this lease (if required) was submitted with previously approved plans.

**E.    SHALLOW HAZARDS ASSESSMENT – Proprietary Data (Omitted from PI Copy)**

This well is being drilled from an existing surface location. A shallow hazards assessment is not required at this time.

**F.    HIGH RESOLUTION SEISMIC LINES – Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

**G.    STRATIGRAPHIC COLUMN – Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

**H.    TIME VERSUS DEPTH TABLES – Proprietary Data (Omitted from PI Copy)**

**PROPRIETARY DATA**

**I.    HYDROGEN SULFIDE INFORMATION – Proprietary Data (Omitted from PI Copy)**

In accordance with Title 30 CFR 250.417, Walter requests West Delta Block 89 be classified by the Minerals Management Service as an area where the absence of hydrogen sulfide has been confirmed based upon the following:

**PROPRIETARY DATA**

**J.    DEPTH OF GEOPRESSURE – Proprietary Data (Omitted from PI Copy)**

***PROPRIETARY DATA***



## **Appendix D**

### **BIOLOGICAL INFORMATION**

#### **CHEMOSYNTHETIC INFORMATION**

Chemosynthetic communities that lie in water depths in excess of 400 meters (1312 feet) are of concern for environmental protection measures. Water depth at the proposed location is approximately 220 feet; therefore, this section of the plan is not applicable.

#### **TOPOGRAPHIC FEATURES 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.

A topographic feature does not affect the activities proposed in this plan.

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

MMS and the National Marine Fisheries Service (NMFS) have entered into a programmatic consultation agreement for Essential Fish Habitat that relates to bottom-disturbing activities occurring within 100 feet of any pinnacle trend feature with vertical relief greater than or equal to 8 feet. If any bottom-disturbing activities are proposed (including anchors or cables from a semi-submersible drilling rig), within 100 feet of any pinnacle trend feature as defined above, the MMS is required to consult with the NMFS.

The activities proposed in this plan are not affected by a live bottom (pinnacle trend) stipulation.

#### **ROV SURVEY INFORMATION (If required)**

Walter Oil & Gas Company is familiar with the ROV survey and reporting provisions of NTL 2003-G03 in water depths greater than 400 meters (1312 feet). West Delta Block 89 is not located in water depths  $\geq$  400 meters and therefore does not require Walter to submit an ROV Monitoring Survey Plan.

**Appendix E**  
**WASTES AND DISCHARGES INFORMATION**

All offshore discharges associated with Walter's proposed operations will be conducted in accordance with the regulations implemented by Minerals Management Service (MMS), U.S. Coast Guard (USCG) and the U.S. Environmental Protection Agency (EPA).

Walter will request coverage under EPA Region VI NPDES General Permit GMG290000 and will report any discharges, as applicable.

**A. Discharges**

The type and general characteristic of the wastes, the amount to be discharged (volume or rate), the maximum discharge rate, a description of any treatment or storage, and the discharge location and method for each type of discharge is provided for in tabular format as **Attachment E-1**.

**B. Disposed Wastes**

The type and general characteristics of the wastes, the amount to be disposed of (volume, rate, or weight), the daily disposal rate, the name and location of the disposal facility, a description of any treatment or storage, and the methods for transporting and final disposal is provided for in tabular format as **Attachment E-2**.

**Attachment E-1**  
**WASTE AND DISCHARGE INFORMATION**

**Projected Ocean Discharges** – this table is not required for this Supplemental DOCD offshore Louisiana.

**Attachment E-2**  
**Projected Wastes to be Disposed of:**

Type of Waste / approximate composition	Amount (volume, weight or rate)	Rate per day	Name/Location of Disposal Facility	Treatment and /or Storage, Transport and Disposal Method
Spent oil-based drilling fluids and cuttings	NA	NA	NA	NA
Spent synthetic-based drilling fluids and cuttings	1200 bbls / well	100 bbls / day	WD 89 "A"	Discharge cuttings overboard, fluids returned to vendor for recycle
Waste Oil	NA	NA	Handled by Rig Contractor	Pack in drums and transport to an onshore incineration site
Trash and debris	20 ft <sup>3</sup> / day	20 ft <sup>3</sup> / day	ASCO in Fourchon, LA	Transport in storage bins on crew boat to shore base – Picked up at shore base and trucked to public facility
Waste Oil	100 bbls / yr	NA	ASCO in Fourchon, LA	Pack in drums and transport to an onshore incineration site
Produced water	NA	NA	NA	NA
Trash and debris	20 ft <sup>3</sup> / day	20 ft <sup>3</sup> / day	ASCO in Fourchon, LA	Transport in storage bins on crew boat to shore base – Picked up at shore base and trucked to a public landfill
Chemical product wastes	Unknown	Unknown	ASCO in Fourchon, LA	Transport in barrels on crew boat to shore location
Workover fluids	Unknown	Unknown	ASCO in Fourchon, LA	Transport in barrels on crew boat to shore location

## **Appendix F**

### **OIL SPILL INFORMATION**

#### **Information to Comply with the Oil Pollution Act of 1990 (OPA) and the Coastal Zone Management Act (CZMA)**

##### **A. Site-Specific OSRP**

Lease OCS-G 01088 is not located in the Eastern Gulf of Mexico therefore a site-specific OSRP is not required.

##### **B. Regional OSRP Information**

Walter Oil & Gas Corporation's Regional Oil Spill Response Plan (OSRP) was approved on August 20, 2003 for period ending July 31, 2005. The latest revision was approved on August 11, 2004. The Regional OSRP will cover activities proposed in this Supplemental DOCD.

##### **C. OSRO Information**

Walter's primary equipment provider is Clean Gulf Associates (CGA). The Marine Spill Response Corporation's (MSRC) STARS network will provide closest available personnel, as well as an MSRC supervisor to operate the equipment.

Walter has contracted OOPS to act as Incident Commander and Spill Management Team to provide trained personnel capable of providing rapid, efficient and comprehensive supervisory management of the oil spill response. OOPS will direct the activities of Walter Oil & Gas Corporation's existing response plan and identify additional contractors as necessary for an adequate response. OOPS will act as liaison with Walter's response contractors, equipment provider organization and other related consultants to achieve a coordinated, efficient response to the spill.

##### **D. Worst Case Scenario Comparison**

The worst-case discharge (WCD) proposed in this Supplemental DOCD does not supersede the worst-case discharge as approved in our Regional OSRP. See below:

Category	Regional OSRP	Supp DOCD
Type of Worst-case Scenario <sup>1</sup>	Production	Drilling / Production
Facility Location (area/block)	EW 871	WD 89
Facility Designation <sup>2</sup>	Subsea Wells 001 & 004	A025
Distance to Nearest Shoreline	64	12
Worst-case Scenario Volume <sup>3</sup>		
Storage tanks (maximum capacity)	NA	0 bbls
Flowlines (maximum capacity)	NA	0 bbls
Lease term pipelines (calculated)	NA	0 bbls
Uncontrolled blowout (daily volume)	10,105 bbls	500 bbls
<b>Total Worst-case Scenario Volume</b>	<b>10,105 bbls</b>	<b>500 bbls</b>
Type of Oil (crude oil, condensate)	Oil	Condensate
API Gravity(s) <sup>4</sup>	19.7 °	49 °

- <sup>1</sup> Types of worst-case discharge scenarios include (1) oil production platform, including caissons, subsea completions or manifolds, (2) exploratory or development drilling operations including subsea completion or manifold, and mobile drilling rig, and (3) pipeline facility (see 30 CFR 254.47(a),(b), and (c)).
- <sup>2</sup> E.g., Well No. 2, Platform JA, Pipeline Segment No. 6373.
- <sup>3</sup> Take your regional OSRP worst-case scenario volume from the appropriate section of your regional OSRP. For EP's, determine the worst-case scenario volume using the criteria at 30 CFR 254.47(b). For DOCD's, determine the worst-case scenario volume using the criteria at 30 CFR 254.47(a), (b), and (c), as appropriate.
- <sup>4</sup> Provide API gravity of each oil given under "Type of Oil" above. Estimate for EP's.

Since Walter has the capability to respond to the WCD spill scenario included in its Regional OSRP and since the WCD scenario determined for our Supplemental DOCD does not replace the WCD scenario determined for our Regional OSRP, I hereby certify that Walter Oil & Gas has the capability to respond, to the maximum extent practicable, to a WCD resulting from the activities proposed in our Supplemental DOCD.

**Information for MMS to Comply with the National Environmental Policy Act (NEPA) and Coastal Zone Management (CZMA)**

**Facility tanks, production vessels**

Tanks with a capacity of 25 bbls or more of oil as defined at 30 CFR 254.6 are listed below.

Type of Storage Tank	Type of Facility	Tank Capacity (bbls)	Number of Tanks	Total Capacity (bbls)	Fluid Gravity (API)
NA	NA	NA	NA	NA	NA

Further data is not required to be submitted with this Supplemental DOCD affecting the State of Louisiana.

**Appendix G**  
**AIR EMISSIONS INFORMATION**

Included in this section as **Attachment G-1** is the Projected Air Quality Emissions Report prepared in accordance with Appendix G of NTL No. 2003-G17 addressing drilling operations.

There are no existing facilities or activities co-located with the current proposed activities; therefore, the Complex Total Emissions are the same as the Plan Emissions.

Screening Questions for DOCD's	Yes	No
Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed development activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2/3}$ for CO, and $CT = 33.3D$ for other 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	

The following information was prepared by:

Kathy Camp  
713.201.9627  
Email: Kathy.camp@kcampassociates.com

## DOCD AIR QUALITY SCREENING CHECKLIST

OMB Control No. 1010-0049  
OMB Approval Expires: August 31, 2006

COMPANY	Walter Oil & Gas
AREA	West Delta
BLOCK	89
LEASE	G01088
PLATFORM	A
WELL	A025
COMPANY CONTACT	Judy Archer
TELEPHONE NO.	713.659.1221
REMARKS	Drill, complete, test and produce Well A025

LEASE TERM PIPELINE CONSTRUCTION INFORMATION:		
YEAR	NUMBER OF PIPELINES	TOTAL NUMBER OF CONSTRUCTION DAYS
1999		
2000		
2001		
2002		
2003		
2004		
2005		
2006		
2007		
2008		
2009		



**AIR EMISSION CALCULATIONS - FIRST YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS						
Walter Oil & Gas	West Delta	89	G01088	A	A025		Judy Archer		713.659.1221	#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	16.975	819.8925	19677.42	24	51	11.96	54.89	411.29	12.34	89.74	7.32	33.59	251.71	7.55	54.92
	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)	2065	99.7395	2393.75	4	36	1.46	6.68	50.03	1.50	10.92	0.10	0.48	3.60	0.11	0.79
	VESSELS>600hp diesel(supply)	2065	99.7395	2393.75	4	22	1.46	6.68	50.03	1.50	10.92	0.06	0.29	2.20	0.07	0.48
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	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	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(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
PRODUCTION	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
	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								0.00	0.00	0.00	0.00	0.00
	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-			0.0		0				0.00				0.00		
	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		208333		24	1		0.12	14.87	12.56	80.94		0.00	0.18	0.15	0.97
2005 YEAR TOTAL							14.88	68.37	526.23	27.90	192.51	7.49	34.37	257.69	7.88	57.16
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											399.60	399.60	399.60	399.60	17821.04
	12.0															

**AIR EMISSIONS CALCULATIONS - SECOND YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Walker Oil & Gas	West Delta	89	G01088	A	A025	Judy Archer	713.659.1221	#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	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-			0.0		0				0.00				0.00			
	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							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											399.60	399.60	399.60	399.60	17821.04	
	12.0																

**AIR EMISSIONS CALCULATIONS - THIRD YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Water Oil & Gas	West Delta	89	G01088	A	A025	Judy Archer	713.659.1221	#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	
	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	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	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(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	
PRODUCTION	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	
	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			0.00	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			0.00	0.00	0.00	
	FUGITIVES-			0.0		0				0.00	0.00			0.00	0.00	0.00	
	GLYCOL STILL VENT-		0		0	0				0.00	0.00			0.00	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	
2007 YEAR TOTAL							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											399.60	399.60	399.60	399.60	17821.04	
	12.0																

**AIR EMISSIONS CALCULATIONS - FOURTH YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS								
Walter Oil & Gas	West Delta	89	G01088	A	A025	Judy Archer	713.659.1221	#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
	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	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	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(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
PRODUCTION	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
	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-			0.0		0				0.00					0.00	
	GLYCOL STILL VENT-				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	0.00
2008 YEAR TOTAL							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											399.60	399.60	399.60	399.60	17821.04
	12.0															

**AIR EMISSIONS CALCULATIONS - FIFTH YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Water Oil & Gas	West Delta	89	G01088	A	A025	Judy Archer	713.659.1221	#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	
	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	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	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(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	
PRODUCTION	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	
	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-			0.0		0				0.00				0.00			
	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	
2009 YEAR TOTAL							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											399.60	399.60	399.60	399.60	17821.04	
	12.0																

# AIR EMISSION CALCULATIONS

OMB Control No. 1010-0049  
OMB Approval Expires: August 31, 2006

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Walter Oil & Gas	West Delta	89	G01088	A	A025
Year	Emitted		Substance		
	PM	SOx	NOx	VOC	CO
2005	7.49	34.37	257.69	7.88	57.16
2006	7.49	34.37	257.69	7.88	57.16
2007	7.49	34.37	257.69	7.88	57.16
2008	7.49	34.37	257.69	7.88	57.16
2009	7.49	34.37	257.69	7.88	57.16
2010	7.49	34.37	257.69	7.88	57.16
Allowable	399.60	399.60	399.60	399.60	17821.04

## Appendix H

### ENVIRONMENTAL IMPACT ANALYSIS (EIA)

#### A. ENVIRONMENTAL IMPACT ANALYSIS MATRIX

Walter Oil & Gas has placed an "X" in each IPF category that we believe (by using good engineering judgment) would be impacted by the activity proposed in this plan.

Environmental Resources	Impact Producing Factors (IPFs) Categories and Examples					
	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 you identify
<b>Site-specific at Offshore Location</b>						
Designated topographic features		(1) X	(1) X		(1) X	
Pinnacle Trend area live bottoms		(2)	(2)		(2)	
Eastern Gulf live bottoms		(3)	(3)		(3)	
Chemosynthetic communities		(4)	(4)		(4)	
Water quality		X			X	
Fisheries		X			X	
Marine mammals	(8) X			X	(8) X	
Sea turtles	(8) X			X	(8) X	
Air quality	(9)					
Shipwreck sites (known or potential)			(7)			
Prehistoric archaeological sites			(7)			
<b>Vicinity of Offshore Location</b>						
Essential fish habitat		X			(6) X	
Marine and pelagic birds	X			X	X	
Public health and safety					(5)	
<b>Coastal and Onshore</b>						
Beaches				X	(6) X	
Wetlands					(6) X	
Shore birds and coastal nesting birds					(6) X	
Coastal wildlife refuges					X	
Wilderness areas					X	
<b>Other Resources You Identify</b>						
None						

#### Footnotes for Environmental Impact Analysis Matrix

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 a 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 you judge would impact these environmental resources. If the proposed action is located a sufficient distance from a resource that no impact would occur, the EIA can note that in a sentence or two.
- 7. All activities that involve seafloor disturbances, including anchor emplacements, 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 your planned activity will occur. If the proposed activities are located a sufficient distance from a shipwreck or prehistoric site that no impact would occur, the EIA can note that in a sentence or two.
- 8. All activities that you determine might 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

#### 1. Designated Topographic Features

The topographic features of the Central Gulf provide habitat for coral reef community organisms. Since 1973 stipulations have been made a part of leases on or near these biotic communities so that impacts from nearby oil and gas activities were mitigated to the greatest extent possible. This stipulation does not prevent the recovery of oil and gas resources, but serves to protect valuable and sensitive biological resources.

IPF's that could cause impacts from the proposed activities in West Delta Block 89 to topographic features include effluents, physical disturbances to the seafloor and accidents. The site-specific offshore location of the proposed activities is approximately 18 miles north of Sackett Bank; therefore it is unlikely that a physical disturbance (i.e. temporary placement of a rig) could cause an impact.

It is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. Since the crests of designated topographic features in the northern Gulf are found below 10 meters, concentrated oil from a surface spill is not expected to reach their sessile biota. Even if a subsurface spill were to occur very near a designated topographic feature, subsurface oil should rise to the surface, and any oil remaining at depth would probably be swept clear of the bank by currents moving around the bank.

Walter is aware of the close proximity of these bank areas and will be extremely environmentally proactive during our exploratory operations. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

#### 2. Pinnacle Trend Area Live Bottoms

A small portion of the northeastern Central Planning Area includes portions of 70 lease blocks that are characterized by a pinnacle trend. The pinnacle trend extends into the northwest portion of the Eastern Planning Area. The pinnacles are a series of topographic irregularities with variable biotal coverage, which provide structural habitat for a variety of pelagic fish. The Live Bottom (Pinnacle Trend) Stipulation is intended to



protect the pinnacle trend and associated hard-bottom communities from damage and, at the same time, provide for recovery of potential oil and gas resources.

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities in West Delta Block 89 that could cause impacts to pinnacle trend area live bottoms. The site-specific offshore location of the proposed activities is approximately 100 miles away from the closest pinnacle trend live bottom stipulated block.

It is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. Any surface oil spill resulting from the proposed action would likely have no impact on the biota of the pinnacle trend because the crests of these features are much deeper than 20 meters. Even if a subsurface spill were to occur very near pinnacle trend live bottom areas, subsurface oil should rise in the water column, surfacing almost directly over the source location and thus not impact pinnacles.

The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

### **3. Eastern Gulf Live Bottoms**

A small portion of the northeastern Central Planning Area includes portions of 70 lease blocks that are characterized by a pinnacle trend. The pinnacle trend extends into the northwest portion of the Eastern Planning Area. The pinnacles are a series of topographic irregularities with variable biotal coverage, which provide structural habitat for a variety of pelagic fish. The Live Bottom (Pinnacle Trend) Stipulation is intended to protect the pinnacle trend and associated hard-bottom communities from damage and, at the same time, provide for recovery of potential oil and gas resources.

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities in West Delta Block 89 that could cause impacts to Eastern Gulf live bottoms. The site-specific offshore location of the proposed activities is over 150 miles away from the closest Eastern Gulf live bottom stipulated block.

It is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. Any surface oil spill resulting from the proposed action would not be expected to cause adverse impacts to Eastern Gulf live bottoms because of the depth of the features and dilution of spills (by currents and / or quickly rising oil).

The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

### **4. Chemosynthetic Communities**

Chemosynthetic communities are defined as persistent, largely sessile assemblages of marine organisms dependent upon chemosynthetic bacteria as their primary food source (MacDonald, 1992). Chemosynthetic clams, mussels, and tubeworms have been discovered in association with hydrocarbon seeps in the northern Gulf of Mexico. Initial discoveries of cold-water seep communities indicated that they are primarily associated with hydrocarbon and H<sub>2</sub>S seep areas (Kennicutt and Gallaway, 1985; Brooks et al.,

1986a). Since the initial discovery in 1986 of chemosynthetic communities dependent on hydrocarbon seepage in the Gulf of Mexico, their geographic range has been found to include the Texas, Louisiana and Alabama continental slope with a depth range varying from less than 500 m to 2200 m (MacDonald, 1992). To date, there are 43 sites (in 40 blocks) across the northern Gulf of Mexico continental slope where the presence of chemosynthetic metazoans (dependent on hydrocarbon seepage) has been definitively documented (MacDonald, 1992).

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities in West Delta Block 89 that could cause impacts to Chemosynthetic Communities.

Chemosynthetic biologic communities that lie in water depths in excess of 400 meters (1312 feet) are of concern for environmental protection measures. The site-specific offshore location of the proposed activity is in water depths less than 400 meters (220 feet).

There are no indications whatsoever that chemosynthetic communities exist in the survey area. However, the proposed activities would be conducted in accordance with NTL 2003-G17 Appendix D. Accordingly, we have provided MMS with the required maps; analysis and statement(s) prepared using the guidance in Attachment B of NTL 2000-G20, "Deepwater Chemosynthetic Communities". Compliance with NTL No. 2000-G20 will ensure that features or areas that could support high-density chemosynthetic communities will not be impacted.

## **5. Water Quality**

Effluents and accidents from the proposed activities in West Delta Block 89 could potentially cause impacts to water quality. Routine impact-producing factors that could result in water quality degradation from offshore OCS oil and gas operations include rig / anchor emplacement, platform and pipeline installation and removal, and the discharge of operational wastes. The major discharges from offshore oil and gas exploration and production activities include produced water, drilling fluids and cuttings, ballast water, and uncontaminated seawater. Minor discharges from the offshore oil and gas industry include drilling-waste chemicals, fracturing and acidifying fluids, and well completion and workover fluids; and from production operations, deck drainage, and miscellaneous well fluids (cement, BOP fluid); and other sanitary and domestic wastes, gas and oil processing wastes, and miscellaneous discharges. Since all discharges will be made in accordance with a general National Pollutant Discharge Elimination System (NPDES) permit issued by U.S. Environmental Protection Agency (USEPA), operational discharges are not expected to cause significant adverse impacts to water quality.

Offshore accidents, such as blowouts and spills could also occur and have the potential to alter offshore water quality. Sediment disturbance is expected to result in minor, localized, temporary increases in water-column turbidity in offshore waters. Given the low frequency of blowouts, minimum impacts on water quality due to resuspension of sediments are expected.

Oil spills related to the proposed action are assumed to be mostly very small events (and for spills greater than 50 bbl) to occur very infrequently. It is unlikely that an accidental oil spill would occur from the proposed activities. If a spill were to occur, the dissolved components and small oil droplets would temporarily affect the water quality of marine

waters. Dispersion by currents and microbial degradation would remove the oil from the water column or dilute the constituents to background levels.

The activities proposed in this plan will be covered by our Regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

## **6. Fisheries**

Effects on commercial fisheries from activities associated with this plan in West Delta Block 89 could come from oil spills, subsurface blowouts, and offshore discharges of drilling mud and produced waters.

An accidental oil spill that may occur as a result of the proposed action has the potential to cause some detrimental effects to fisheries. However, it is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. If a spill were to occur in open waters of the OCS proximate to mobile adult finfish or shellfish, the effects would likely be sublethal and the extent of damage would be reduced to the capability of adult fish and shellfish to avoid a spill, to metabolize hydrocarbons, and to excrete both metabolites and parent compounds. The effect of oil spills on fisheries is expected to cause less than 1 percent decrease in commercial populations or in commercial fishing. At the expected level of effect, the resultant influence on Central Gulf fisheries is negligible and will be indistinguishable from natural population variations. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

Subsurface blowouts have the potential to adversely affect commercial fishery resources. Sandy sediments will be quickly redeposited within 400 m of the blowout site and finer sediments will be widely dispersed and redeposited over a period of 30 days or longer within a few thousand meters. It is expected that the infrequent subsurface blowout that may occur on the Gulf OCS will have a negligible effect on Gulf commercial fisheries.

Drilling mud discharges contain chemicals toxic to marine fishes; however, this is only at concentrations 4 or 5 orders of magnitude higher than those found more than a few meters from the discharge point. Offshore discharges of drilling muds will dilute to background levels within 1000 meters of the discharge point and have a negligible effect on Central Gulf fisheries.

## **7. Marine Mammals**

Marine mammals may be adversely impacted by several IPF's (including vessel traffic, noise, accidental oil spills, and loss of trash and debris, all of which could occur due to the proposed action in West Delta Block 89. Chronic and sporadic sublethal effects could occur that may stress and / or weaken individuals of a local group or population and make them more susceptible to infection from natural or anthropogenic sources. Few lethal effects are expected from oil spills, chance collisions with service vessels and ingestion of plastic material. Oil spills of any size are estimated to be aperiodic events that may contact cetaceans. Disturbance (e.g., noise) may stress animals, weaken their immune systems, and make them more vulnerable to parasites and diseases that normally would not be fatal.

The net result of any disturbance would depend on the size and percentage of the population affected, ecological importance of the disturbed area, environmental and biological parameters that influence an animal's sensitivity to disturbance and stress, and the accommodation time in response to prolonged disturbance (Geraci and St. Aubin, 1980). Collisions between cetaceans and ships could cause serious injury or death (Laist et al., 2001). Sperm whales are one of 11 whale species that are hit commonly by ships (Laist et al., 2001). Collisions between OCS vessels and cetaceans within the project area are expected to be unusual events.

The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

The Minerals Management Service issued NTL 2003-G10 pursuant to 30 CFR 250.103, 250.23(o) and 250.204(s) to explain how Operators must implement measures to minimize the risk of vessel strikes to protected species and report observations of injured or dead protected species effective June 19, 2003. We will ensure that our contract vessel operators are aware of their requirement to report sightings of any injured or dead protected species immediately to the MMS Protected Species Biologist by telephone.

With regards to marine trash and debris, effective June 19, 2003, the Minerals Management Service issued NTL 2003-G11 pursuant to 30 CFR 150.103 to provide guidance and assist the operators in preventing intentional and / or accidental introduction of trash and debris into the marine environment. With this assistance and with laws such as MARPOL-Annex V, the Marine Plastic Pollution Research and Control Act, and regulations imposed by various agencies including the U.S. Coast Guard and the U.S. Environmental Protection Agency, our employees will ensure that all offshore personnel, including contractors and other support services-related personnel have complete understanding of the requirement that Operators be proactive in avoiding accidental loss of solid waste items on the OCS.

## **8. Sea Turtles**

IPF's that could impact sea turtles include vessel traffic, noise, trash and debris, and accidental oil spills. Small numbers of turtles could be killed or injured by chance collision with service vessels or by eating indigestible trash, particularly plastic items, accidentally lost from drill rigs, production facilities, and service vessels. Drilling rigs and project vessels produce noise that could disrupt normal behavior patterns and create some stress potentially making sea turtles more susceptible to disease. Oil spills and oil-spill-response activities are potential threats that could have lethal effects on turtles. Contact with oil, consumption of oil particles, and oil-contaminated prey could seriously affect individual sea turtles. Oil-spill-response planning and the habitat protection requirements of the Oil Pollution Act of 1990 should mitigate these threats.

Most OCS-related impacts on sea turtles are expected to be sublethal. Chronic sublethal effects (e.g., stress) resulting in persistent physiological or behavioral changes and / or avoidance of effected areas could cause declines in survival or productivity, resulting in gradual population declines.

The activities proposed in West Delta Block 89 will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F). The Minerals Management Service issued NTL 2003-G10 pursuant to 30 CFR 250.103, 250.23(o) and 250.204(s) to explain how Operators must implement measures to

minimize the risk of vessel strikes to protected species and report observations of injured or dead protected species effective June 19, 2003. We will ensure that our contract vessel operators are aware of their requirement to report sightings of any injured or dead protected species immediately to the MMS Protected Species Biologist by telephone.

With regards to marine trash and debris, effective June 19, 2003, the Minerals Management Service issued NTL 2003-G11 pursuant to 30 CFR 150.103 to provide guidance and assist the operators in preventing intentional and / or accidental introduction of trash and debris into the marine environment. With this assistance and with laws such as MARPOL-Annex V, the Marine Plastic Pollution Research and Control Act, and regulations imposed by various agencies including the U.S. Coast Guard and the U.S. Environmental Protection Agency, our employees will ensure that all offshore personnel, including contractors and other support services-related personnel have complete understanding of the requirement that Operators be proactive in avoiding accidental loss of solid waste items on the OCS.

## **9. Air Quality**

There would be a limited degree of air quality degradation in the immediate vicinity of the proposed activities in West Delta Block 89. The Projected Air Quality Emissions Report (Attachment G-1) indicates that the MMS exemption level will not be exceeded during the operations proposed in the Exploration Plan. There are no existing facilities or activities co-located with the current proposed activities; therefore, the Complex Total Emissions are the same as the Plan Emissions.

## **10. Shipwreck Sites (Known or Potential)**

There are no IPF's (including physical disturbances to the seafloor) from the proposed activities in West Delta Block 89 that could cause impacts to known or potential shipwreck sites. The proposed well is being drilled from an existing platform.

## **11. Prehistoric Archaeological Sites**

There are no IPF's (including physical disturbances to the seafloor) from the proposed activities in West Delta Block 89 that could cause impacts to prehistoric archaeological sites. The proposed well is being drilled from an existing platform.

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

#### **1. Essential Fish Habitat**

IPF's that could impact essential fish habitats as a result of the proposed operations in West Delta Block 89 include effluents and accidents. The major effluent discharges from offshore oil and gas exploration and production activities include produced water, drilling fluids and cuttings, ballast water, and uncontaminated seawater. Minor discharges from the offshore oil and gas industry include drilling-waste chemicals, fracturing and acidifying fluids, and well completion and workover fluids; and from production operations, deck drainage, and miscellaneous well fluids (cement, BOP fluid); and other sanitary and domestic wastes, gas and oil processing wastes, and miscellaneous

discharges. Since all discharges will be made in accordance with a general National Pollutant Discharge Elimination System (NPDES) permit issued by U.S. Environmental Protection Agency (USEPA), operational discharges are not expected to cause significant adverse impacts to water quality.

An accidental oil spill that may occur as a result of the proposed action has the potential to cause some detrimental effects on essential fish habitat. However, it is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities.

Offshore oil spillage from OCS operations is small compared with the volume of oil produced. Since 1980, OCS operators have produced about 5.5 BBO of oil, while the amount of oil spilled offshore totaled about 61,500 bbl (0.001%) or 1 bbl spilled for every 89,500 produced. In 1994, MMS revised its oil-spill occurrence rates for large spills (Anderson and LaBelle, 1994). An examination of the two major sources of OCS-related offshore spills (platforms and pipelines) shows that the greater risk of a large spill is from a pipeline. There have been no spills  $\geq 1000$  bbls from OCS platforms since 1980.

If a spill were to occur in open waters of the OCS proximate to mobile adult finfish or shellfish, the effects would likely be sublethal and the extent of damage would be limited and lessened due to the capability of adult fish and shellfish to avoid a spill, to metabolize hydrocarbons, and to excrete both metabolites and parent compounds. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

## **2. Marine and Pelagic Birds**

IPF's that could impact marine and pelagic birds as a result of the proposed operations in West Delta Block 89 include air emissions, accidents and discarded trash and debris. Emissions of pollutant into the atmosphere from the activities associated with the proposed operations in this plan are not projected to have significant impacts on air quality that could harm marine and pelagic birds because of the prevailing atmospheric conditions, emission heights, emission rates and pollutant concentrations.

An accidental oil spill that may occur as a result of the proposed action has the potential to cause some detrimental effects on marine and pelagic birds. Some physical oiling could occur during dives, as well as secondary toxic effects through the uptake of prey. However, it is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

With regards to marine trash and debris, coastal and marine birds can commonly become entangled and snared in discarded trash and debris. Effective June 19, 2003, the Minerals Management Service issued NTL 2003-G13 pursuant to 30 CFR 150.103 to provide guidance and assist the operators in preventing intentional and / or accidental introduction of trash and debris into the marine environment. With this assistance and with laws such as MARPOL-Annex V, the Marine Plastic Pollution Research and Control Act, and regulations imposed by various agencies including the U.S. Coast Guard and the U.S. Environmental Protection Agency, our employees will ensure that all offshore personnel, including contractors and other support services-related personnel have complete understanding of the requirement that Operators be proactive in avoiding accidental loss of solid waste items on the OCS.

### **3. Public Health and Safety Due to Accidents**

There are no IPF's (including an accidental H<sub>2</sub>S releases) from the proposed activities in West Delta Block 89 that could cause impacts to public health and safety.

In accordance with 30 CFR 250.417(c) and NTL 2003-G17 (Appendix C) we have submitted sufficient information to justify our request that the area of our proposed activities be classified by MMS as H<sub>2</sub>S absent.

#### **Coastal and Onshore:**

##### **1. Beaches**

Primary IPF's associated with offshore oil and gas exploration and development, and most widely recognized as major threats to the enjoyment and use of recreational beaches, are oil spills (accidents) and marine trash and debris. The operations proposed in this plan are not projected to have significant impacts on coastal beaches.

An accidental oil spill that may occur as a result of the proposed action has the potential to cause some detrimental effects on coastal beaches. However, it is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. Walter is aware of the close proximity of the shore (12 miles). The level of response to a spill will be based on volume, weather, and the characteristics of the product spilled. Walter's objectives for spill response are to ensure the safety of citizens and response personnel; control the source of the spill, have a coordinated response effort; maximize the protection of environmental sensitive areas; contain, recover and remove as much of the spill product as possible; recover and rehabilitate injured wildlife; minimize economic impacts; and keep the general public informed of the response activities. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

With regards to marine trash and debris, effective June 19, 2003, the Minerals Management Service issued NTL 2003-G11 pursuant to 30 CFR 150.103 to provide guidance and assist the operators in preventing intentional and / or accidental introduction of trash and debris into the marine environment. With this assistance and with laws such as MARPOL-Annex V, the Marine Plastic Pollution Research and Control Act, and regulations imposed by various agencies including the U.S. Coast Guard and the U.S. Environmental Protection Agency, our employees will ensure that all offshore personnel, including contractors and other support services-related personnel have complete understanding of the requirement that Operators be proactive in avoiding accidental loss of solid waste items on the OCS.

## **2. Wetlands**

The primary IPF associated with offshore oil and gas exploration and development, and most widely recognized as major threats to the wetlands are oil spills (accidents). Walter is aware of the close proximity of the shore (12 miles). The level of response to a spill will be based on volume, weather, and the characteristics of the product spilled. Walter's objectives for spill response are to ensure the safety of citizens and response personnel; control the source of the spill, have a coordinated response effort; maximize the protection of environmental sensitive areas; contain, recover and remove as much of the spill product as possible; recover and rehabilitate injured wildlife; minimize economic impacts; and keep the general public informed of the response activities. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

Both the historical spill data and the combined trajectory / risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

## **3. Shore Birds and Coastal Nesting Birds**

The primary IPF associated with offshore oil and gas exploration and development, and most widely recognized as major threats to the shore birds and coastal nesting birds are oil spills (accidents). Walter is aware of the close proximity of the shore (12 miles). The level of response to a spill will be based on volume, weather, and the characteristics of the product spilled. Walter's objectives for spill response are to ensure the safety of citizens and response personnel; control the source of the spill, have a coordinated response effort; maximize the protection of environmental sensitive areas; contain, recover and remove as much of the spill product as possible; recover and rehabilitate injured wildlife; minimize economic impacts; and keep the general public informed of the response activities. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

Both the historical spill data and the combined trajectory / risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

## **4. Coastal Wildlife Refuges**

The primary IPF associated with offshore oil and gas exploration and development, and most widely recognized as major threats to the coastal wildlife refuges are oil spills (accidents). Walter is aware of the close proximity of the shore (12 miles). The level of response to a spill will be based on volume, weather, and the characteristics of the product spilled. Walter's objectives for spill response are to ensure the safety of citizens and response personnel; control the source of the spill, have a coordinated response effort; maximize the protection of environmental sensitive areas; contain, recover and remove as much of the spill product as possible; recover and rehabilitate injured wildlife; minimize economic impacts; and keep the general public informed of the response



activities. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F). Both the historical spill data and the combined trajectory / risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

## **5. Wilderness Areas**

The primary IPF associated with offshore oil and gas exploration and development, and most widely recognized as major threats to wilderness areas are oil spills (accidents). Walter is aware of the close proximity of the shore (12 miles). The level of response to a spill will be based on volume, weather, and the characteristics of the product spilled. Walter's objectives for spill response are to ensure the safety of citizens and response personnel; control the source of the spill, have a coordinated response effort; maximize the protection of environmental sensitive areas; contain, recover and remove as much of the spill product as possible; recover and rehabilitate injured wildlife; minimize economic impacts; and keep the general public informed of the response activities. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

Both the historical spill data and the combined trajectory / risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2003-G17 Appendix F).

Other Environmental Resources Identified:     None

## **C. IMPACTS ON YOUR PROPOSED ACTIVITIES**

The site-specific environmental conditions have been taken into account for the proposed activities under this plan. No impacts are expected on the proposed activities from site-specific environmental conditions. This proposed well is being drilled from an existing surface location.

## **D. ALTERNATIVES**

No alternatives to the proposed activities described in this Supplemental DOCD were considered to reduce environmental impacts.

## **E. MITIGATION MEASURES**

No mitigation measures other than those required by regulation will be considered to avoid, lessen or eliminate potential impacts on environmental resources.

## F. CONSULTATION

There were no outside sources consulted regarding the potential environmental impacts associated with the activities proposed under this Supplemental DOCD.

## G. REFERENCES

Although not always cited, the following were utilized in preparing the EIA:

Gulf of Mexico OCS Oil and Gas Lease Sales 169, 172, 175, 178 and 182; Central Planning Area, Final EIS (OCS EIS/EA MMS 97-0033)

Gulf of Mexico OCS Oil and Gas Lease Sales 2003-2007; Central and Western Planning Area Sales; Final EIS (OCS EIS/EA MMS 2002-052)

NTL 2003-G11, effective June 19, 2003, for Marine Trash and Debris Awareness and Elimination

NTL 2003-G10, effective June 19, 2003 for Vessel Strike Avoidance and Injured / Dead Protected Species Reporting

NTL 2003-G17, effective August 27, 2003 for Information Requirements for Exploration Plans and Exploration Operations Coordination Documents

**Appendix I**  
**Coastal Zone Management Consistency Information**

The States of Texas, Louisiana, Mississippi, Alabama and Florida have federally approved coastal zone management programs (CZMP). Applicants for an OCS plan submitted to the Minerals Management Service must provide a certification with necessary data and information for the affected State to determine that the proposed activity(s) complies with the enforceable policies of each States' approved program, and that such activity will be conducted in a manner consistent with the program.

A Coastal Zone Management Consistency Certification for the State of Louisiana is not required for the supplemental development activities proposed in this plan.

**Appendix J**  
**OCS Plan Information Form**

MMS Form 137 was prepared in accordance with Appendix J of NTL 2003-G17 and is located in Appendix A as **Attachment A-1**.