

UNITED STATES GOVERNMENT  
MEMORANDUM

November 10, 2003

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

Subject: Public Information copy of plan  
Control # - S-06305  
Type - Supplemental Development Operations Coordinations Document  
Lease(s) - OCS-G21706 Block - 54 Breton Sound Area  
OCS-G22801 Block - 55 Breton Sound Area  
Operator - Walter Oil & Gas Corporation  
Description - Well #C003  
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/C003	G22801/BS/55	6663 FSL, 1747 FEL	G21706/BS/54

ISS NOV14 03PM 1:44

NOTED - SCHEXNAILDRE



WALTER OIL & GAS CORPORATION



October 31, 2003

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

CONTROL No. J-6305  
REVIEWER: Robert Stringfellow  
PHONE: (504) 736-2437

RE: Supplemental Development Operations Coordination Document  
Lease OCS-G 21706 / 22801, Breton Sound Blocks 54 / 55  
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 eight (8) copies of a Supplemental Development Operations Coordination Document (Plan) for Leases OCS-G 21706 and 22801, Breton Sound Area, Blocks 54 and 55, Offshore Louisiana. Five (5) copies are "Proprietary Information" and three (3) copies are "Public Information".

Excluded from the Public Information copies are certain Geologic discussions, depths of well(s) and structure maps. Included in this package are one Proprietary and one Public Information copy of this plan on separate CD-ROM's in a PDF format.

Walter anticipates activities will commence under this proposed Plan on approximately December 1, 2003.

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

Sincerely,

WALTER OIL & GAS CORPORATION

Judy Archer  
Regulatory / Environmental Coordinator

JA:KC

Enclosures

1100 Louisiana, Suite 200 • Houston, Texas 77002-5299 • 713-659-1221

**PUBLIC INFORMATION**

**Walter Oil & Gas Corporation  
Supplemental Development Operations Coordination Document  
Breton Sound Area, Block 54 / 55  
Lease OCS-G 21706 / 22801  
October 31, 2003**

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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

Walter Oil & Gas Corporation is the designated operator of the N/2 of the subject oil and gas lease.

Lease OCS-G 22801 was issued in Lease Sale 178-1 with an effective date of July 1, 2001 and primary term ending date of June 20, 2006. The Minerals Management Service approved an Initial Development Operations Coordination Document (DOCD) granting Walter Oil & Gas Corporation (Walter) approval to drill one well from an existing surface location on Breton Sound Block 54, Lease OCS-G 21706 to a proposed bottom hole location on Breton Sound Block 55, Lease OCS-G 22801 on January 14, 2002 (Control No. N-7305).

Under this Supplemental DOCD, Walter Oil & Gas plans to drill, complete and produce one (1) well (No. C003) from Walter's existing C platform (CID No. 949-1) in Breton Sound Block 54 to a proposed bottom hole location in Breton Sound Block 55, Lease OCS-G 22801. The well will be produced via the existing 4.5-inch bulk gas R-O-W pipeline (Segment No. 13559 / ROW OCS-G 23080) from the existing C platform to Chevron's Segment No. 7214 in Breton Sound Block 55.

**Attachment A-1** is a Plan Information Form with details of the drilling and completion of the proposed well as provided for in this Plan along with a tentative schedule leading up 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 Parker 14J or similar jackup. 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 (PIN) 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. C003 will be drilled and produced from the existing C platform (CID No. 949-1) in Breton Sound Block 54. The C platform was installed in 2001. A schematic of the existing structure is enclosed as **Attachment A-3**.

***There will be no new surface facilities installed under this Plan.***

Safety features 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.

As mentioned above, Well No. C003 will be produced via the existing 4.5-inch bulk gas R-O-W pipeline (Segment No. 13559 / ROW OCS-G 23080) from the existing C platform to Chevron's Segment No. 7214 in Breton Sound Block 55.

***There will be no new surface facilities installed under this Plan. No new nearshore or onshore pipelines or facilities will be constructed.***

# ATTACHMENT A-1

## OCS PLAN INFORMATION FORM

### General Information

Type of OCS Plan:	Exploration Plan (EP)	<input checked="" type="checkbox"/>	Development Operations Coordination Document (DOCD)
Company Name:	Walter Oil & Gas	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 21706 / 22801	Area: Breton Sound	Block: 54/55	Project Name (If Applicable): NA
Objective(s):	Oil <input checked="" type="checkbox"/>	Gas <input type="checkbox"/>	Sulphur <input type="checkbox"/>
	Salt <input type="checkbox"/>	Onshore Base: Venice, LA	Distance to Closest Land (Miles): 6

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

	Exploration drilling	<input checked="" type="checkbox"/>	Development drilling
<input checked="" type="checkbox"/>	Well completion		Installation of production platform
	Well test flaring		Installation of production facilities
	Installation of well protection structure		Installation of satellite structure
	Installation of subsea wellheads and/or manifolds		Installation of lease term pipelines
	Temporary well abandonment	<input checked="" type="checkbox"/>	Commence production
	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 C003	12/01/2003	12/31/2003	31
Complete Well C003	01/01/2004	01/15/2004	14
Produce Well C003	01/16/2004	12/31/2004	5 years

### Description of Drilling Rig

### Description of Production Platform

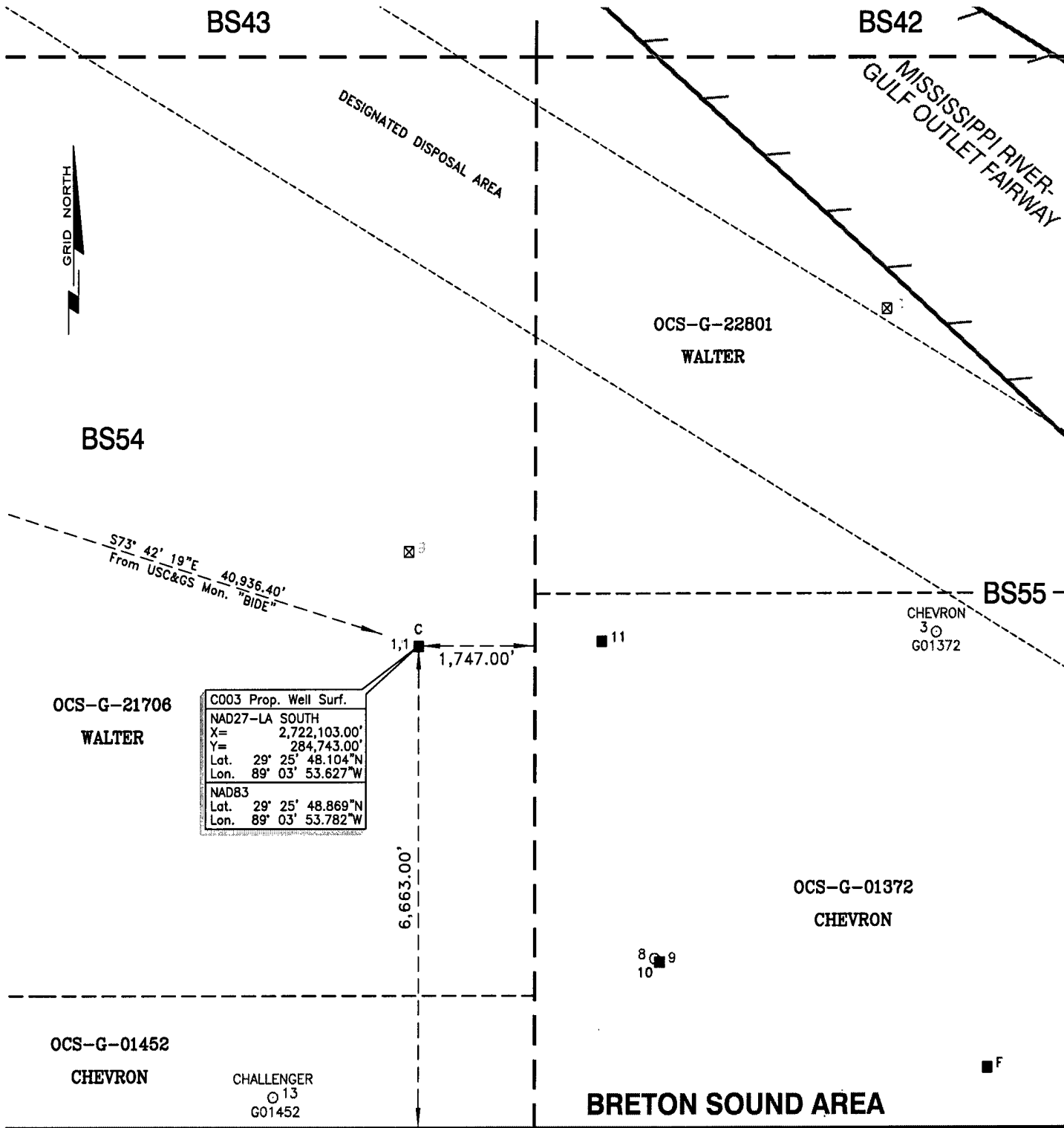
<input checked="" type="checkbox"/>	Jackup		Drillship		Caisson	Tension leg platform
	Gorilla Jackup		Platform rig		Well protector	Compliant tower
	Semisubmersible		Submersible		Fixed platform	Guyed tower
	DP Semisubmersible		Other (Attach Description)		Subsea manifold	Floating production system
Drilling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

### Description of Lease Term Pipelines

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

**OCS PLAN INFORMATION FORM (CONTINUED)**

Proposed Well/Structure Location				
Well or Structure Name/Number: <b>C003</b>			Subsea Completion	
Anchor Radius (if applicable) in feet: <b>NA</b>			Yes	<input checked="" type="checkbox"/> No
	<b>Surface Location</b>	<b>Bottom-Hole Location (For Wells)</b>		
<b>Lease No.</b>	OCS-G 21706			
<b>Area Name</b>	Breton Sound			
<b>Block No.</b>	54			
<b>Block line Departures (in feet)</b>	N/S Departure: 6663' FSL			
	E/W Departure: 1747' FEL			
<b>Lambert X-Y coordinates</b>	X: 2,722,103.00			
	Y: 284,743.00			
<b>Latitude/ Longitude NAD 27</b>	Latitude: 29° 25' 48.104" N			
	Longitude: 89° 03' 53.627" W			
	TVD (Feet):	MD (Feet):	Water Depth (Feet):	17
<b>Anchor Locations for Drilling Rig or Construction Barge – NOT APPLICABLE</b>				



C003 Prop. Well Surf.	
NAD27-LA SOUTH	
X=	2,722,103.00'
Y=	284,743.00'
Lat.	29° 25' 48.104"N
Lon.	89° 03' 53.627"W
NAD83	
Lat.	29° 25' 48.869"N
Lon.	89° 03' 53.782"W

**BRETON SOUND AREA**

**MP43**

**MAIN PASS AREA**

**MP42**

I HEREBY CERTIFY THAT THE ABOVE PROPOSED WELL SURFACE LOCATION IS CORRECT.

**PUBLIC INFORMATION**

**DIGITAL COPY**  
ORIGINAL PLAT SIGNED 10/27/03

REG. PROFESSIONAL LAND SURVEYOR NO. 4401  
STATE OF LOUISIANA



WALTER OIL & GAS CORPORATION

**PROPOSED LOCATION**  
**OCS-G-22801 WELL NO. C003**  
BLOCK 55  
BRETON SOUND AREA  
GULF OF MEXICO

**FUGRO CHANCE INC.**

200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD 1927  
PROJECTION: LOUISIANA SOUTH  
GRID UNITS: US SURVEY FEET

SCALE IN FEET 0 2,000'

Job No.: 03-3597	Date: 10/27/03	Drwn: RDT	Chart: Of:
Dwgfile: O:\WellPermit\LAS\BS\Permit\54s55pc3			1 1



**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. PROJECT NAME**

Walter does not commonly refer to project names for their projects.

**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

The surface location (Breton Sound Block 54) for the proposed well in Breton Sound Block 55 is located approximately 6 statute miles from the nearest Louisiana shoreline and approximately 15 statute miles from the onshore support base located in Venice, Louisiana. A Vicinity Plat showing the location of Breton Sound Blocks 54 / 55 relative to the shoreline and the onshore base is included as **Attachment B-1**.

Name	Location	Existing, New or Modified
PMI or ELI Dock	Venice, 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	7	3	2
Supply Boat	7	0	0
Helicopter	As needed	0	0
Anchor Handling Tugs	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 and lease stipulations for Breton Sound Area, Blocks 54 / 55, OCS-G 21706 / 22801, respectively.

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

As mentioned in Appendix A, Well No. C003 will be drilled and produced from an existing surface location in Breton Sound Block 54. There will be no new surface facilities installed under this Plan. The well will be produced via the existing 4.5-inch bulk gas R-O-W pipeline (Segment No. 13559 / ROW OCS-G 23080) from the existing C platform to Chevron's Segment No. 7214 in Breton Sound Block 55.

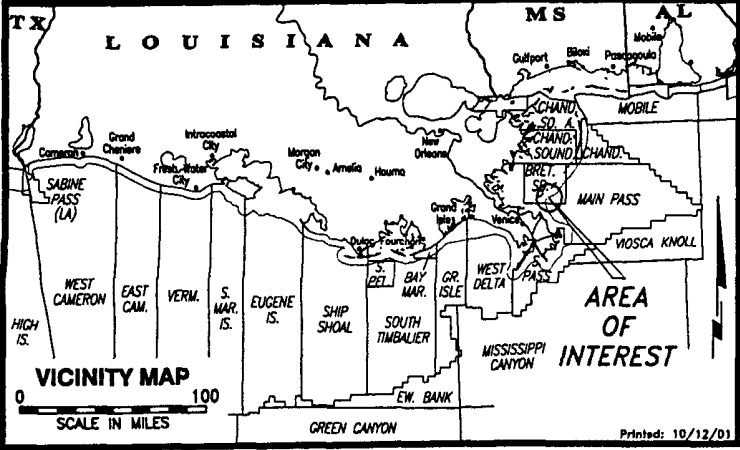
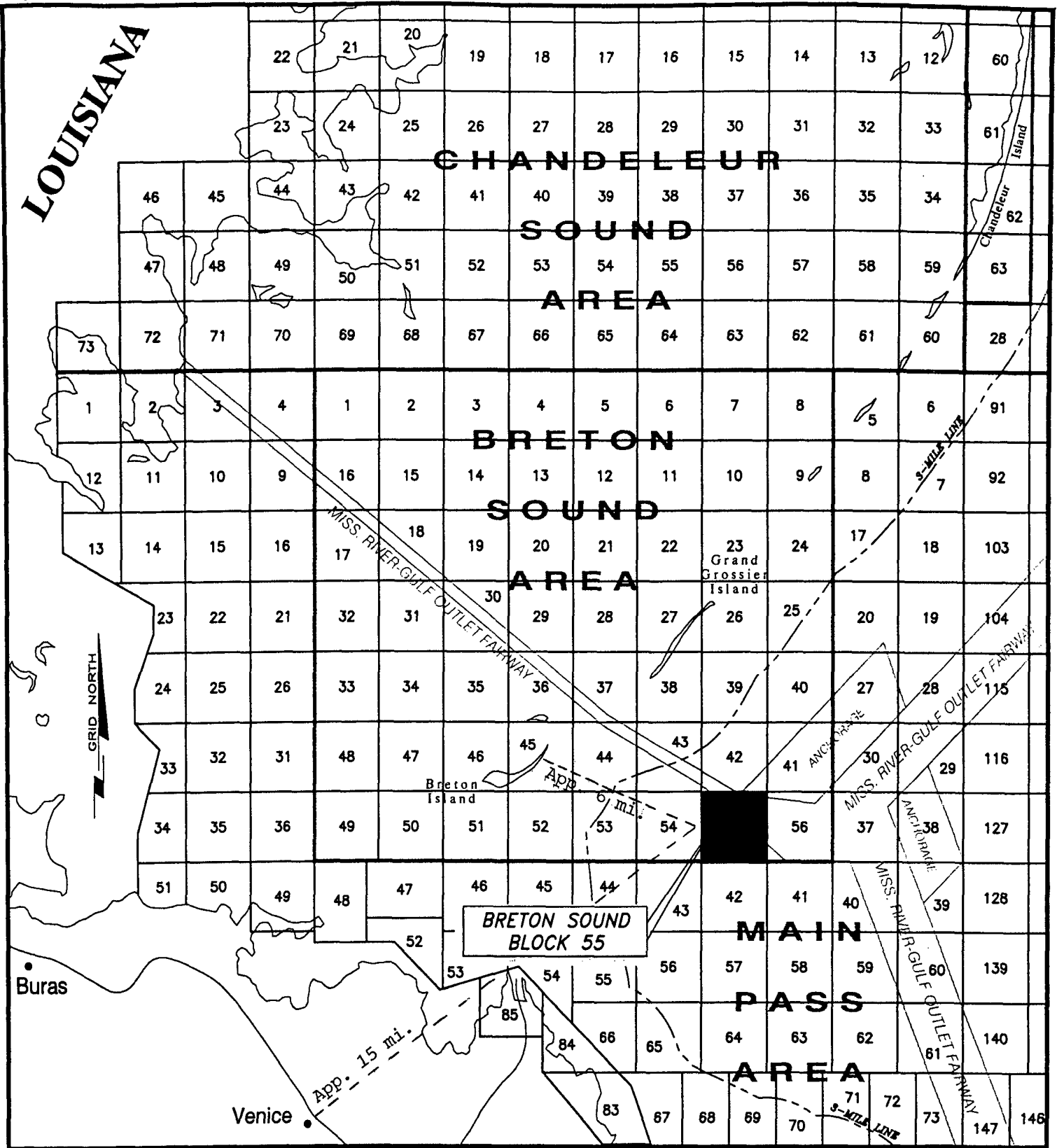
Gas production is measured for sales and royalty purposes on the Chevron operated Main Pass Blocks 41 B and 42 L platforms. The liquid hydrocarbons will be measured at the Main Pass Block 42 L platform prior to delivery into Operations System No. 53.0.

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

## **I. TRANSPORTATION INFORMATION**

Produced hydrocarbons from Lease OCS-G 21706 / 22801, Well Nos. C003, will flow via the existing 4.5-inch bulk gas R-O-W pipeline (Segment No. 13559 / ROW OCS-G 23080) from the existing C platform to Chevron's Segment No. 7214 in Breton Sound Block 55.

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.



**WALTER OIL & GAS CORPORATION**

**VICINITY MAP**

BLOCK 55  
BRETON SOUND AREA  
GULF OF MEXICO

**JOHN E. CHANCE** FCRD  
& ASSOCIATES, INC.

GEODEIC DATUM: NAD 1927 PROJECTION: LOUISIANA SOUTH GRID UNITS: US SURVEY FEET		SCALE IN FEET	0 30,000'
Job No.: 01-3437	Date: 10/12/01	Drwn: RDT	Chart: Of: 1 1

Dwgfile: H:\2001\013437\CAD\MARINE\BS55-VIC

**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)**

Enclosed as **Attachment C-1a and C-1b** is a current structure map drawn to the top of the productive hydrocarbon zones. The surface and bottom hole location(s) along with the locations of the geologic cross-sections of the existing well(s) to be produced under this Supplemental DOCD are included.

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

One copy of the migrated and annotated deep seismic line within 500 feet of the proposed surface location of Well No. C003 is enclosed as **Attachment C-2**.

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

An interpreted geological cross-section showing the location and depth of each existing and proposed well(s) with at least one key horizon and the objective sand labeled is enclosed as **Attachment C-3**.

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

KC Offshore, L.L.C. performed a site specific Geophysical Survey of the eastcentral portion of Block 54, Breton Sound Area, Offshore, Louisiana in July 2000. The purpose of the survey centered on the existing surface location was to evaluate geologic conditions and inspect for potential shallow hazards or constraints to lease exploration and development.

Copies of the report have been previously submitted to the Minerals Management Service with previous Exploration Plans.

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

The proposed well is being drilled from an existing MMS-approved surface location. A shallow hazards assessment has been previously submitted and, as stated in NTL 2003-G17, is not required at this time.

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

The proposed well is being drilled from an existing MMS-approved surface location. As stated in NTL 2003-G-17, high-resolution seismic lines are not required to be resubmitted at this time.

**G. DEPTH OF GEOPRESSURES**

**PROPRIETARY DATA**

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

In accordance with Title 30 CFR 250.417(c), Walter requests Breton Sound Block 55, Lease OCS-G 22801 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**

## **Appendix D** **BIOLOGICAL INFORMATION**

### **CHEMOSYNTHETIC INFORMATION**

The seafloor disturbing activities proposed in the Plan are in water depths less than 400 meters (1312 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.

### **REMOTELY OPERATED VEHICLE (ROV) SURVEYS**

Breton Sound Block 54 is not located in water depths  $\geq$  400 meters (1312 feet) 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 has coverage under EPA Region VI NPDES General Permit GMG290000 which regulates overboard discharges, including restrictions and limitations of waste generated from oil and gas operations in the Western Gulf of Mexico.

**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	NA	NA	NA	NA
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	PMI or ELI in Venice, 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	PMI or ELI in Venice, 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	PMI or ELI in Venice, 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	PMI or ELI in Venice, LA	Transport in barrels on crew boat to shore location
Workover fluids	Unknown	Unknown	PMI or ELI in Venice, 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**

Leases OCS-G 21706 / 22801 are 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 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:

<b>Category</b>	<b>Regional OSRP</b>	<b>Supp DOCD</b>
Type of Worst-case Scenario <sup>1</sup>	Production	Production
Facility Location (area/block)	WD 106	BS 54
Facility Designation <sup>2</sup>	Platform A	Platform C
Distance to Nearest Shoreline	8	6
Worst-case Scenario Volume <sup>3</sup>		
Storage tanks (maximum capacity)		
Flowlines (maximum capacity)		
Lease term pipelines (calculated)		
Uncontrolled blowout (daily volume)		
<b>Total Worst-case Scenario Volume</b>	<b>1953 bbls</b>	<b>200 bbls</b>
Type of Oil (crude oil, condensate)	Condensate	Condensate
API Gravity(s) <sup>4</sup>	42°	48°

- <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)**

This 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 production operations.

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  
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713/463-2334  
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**DOCD AIR QUALITY SCREENING CHECKLIST**

OMB Control No. 1010-0049

OMB Approval Expires: September 30, 2003

<b>COMPANY</b>	Walter Oil & Gas Corp.
<b>AREA</b>	Breton Sound
<b>BLOCK</b>	54 / 55
<b>LEASE</b>	G21706 / G22801
<b>PLATFORM</b>	C
<b>WELL</b>	C003
<b>COMPANY CONTACT</b>	Judy Archer
<b>TELEPHONE NO.</b>	713 / 659-1222
<b>REMARKS</b>	Drill, complete and produce Well C003

<b>LEASE TERM PIPELINE CONSTRUCTION INFORMATION:</b>		
<b>YEAR</b>	<b>NUMBER OF PIPELINES</b>	<b>TOTAL NUMBER OF CONSTRUCTION DAYS</b>
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 Corp.	Breton Sound	54 / 55	G21706 / G228	C	C003	Judy Archer	713 / 659-1222	#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	1440	69.552	1669.25	24	31	1.01	4.66	34.89	1.05	7.61	0.38	1.73	12.98	0.39	2.83	
	PRIME MOVER>600hp diesel	1440	69.552	1669.25	24	31	1.01	4.66	34.89	1.05	7.61	0.38	1.73	12.98	0.39	2.83	
	PRIME MOVER>600hp diesel	1440	69.552	1669.25	24	31	1.01	4.66	34.89	1.05	7.61	0.38	1.73	12.98	0.39	2.83	
	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	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	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	0.00
	VESSELS>600hp diesel(crew)	2065	99.7395	2393.75	2	31	1.46	6.68	50.03	1.50	10.92	0.05	0.21	1.55	0.05	0.34	
	VESSELS>600hp diesel(supply)	2065	99.7395	2393.75	2	31	1.46	6.68	50.03	1.50	10.92	0.05	0.21	1.55	0.05	0.34	
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	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	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	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	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	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 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	0.00	
<b>2003 YEAR TOTAL</b>							<b>5.96</b>	<b>27.32</b>	<b>204.74</b>	<b>6.14</b>	<b>44.67</b>	<b>1.22</b>	<b>5.61</b>	<b>42.04</b>	<b>1.26</b>	<b>9.17</b>	
<b>EXEMPTION CALCULATION</b>	<b>DISTANCE FROM LAND IN MILES</b>												<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>11226.55</b>
	6.0																

AIR EMISSIONS CALCULATIONS - SECOND YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS								
Walter Oil & Gas Corp.	Braton Sound	54 / 55	G21708 / G22801	C	C003	Judy Archer	713 / 859-1222	#REF1								
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Engines	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1440	69.552	1669.25	24	14	1.01	4.66	34.89	1.05	7.61	0.17	0.78	5.86	0.18	1.28
	PRIME MOVER>600hp diesel	1440	69.552	1669.25	24	14	1.01	4.66	34.89	1.05	7.61	0.17	0.78	5.86	0.18	1.28
	PRIME MOVER>600hp diesel	1440	69.552	1669.25	24	14	1.01	4.66	34.89	1.05	7.61	0.17	0.78	5.86	0.18	1.28
	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)	2065	99.7395	2393.75	2.00	164.00	1.46	6.68	50.03	1.50	10.92	0.24	1.10	8.21	0.25	1.79
	VESSELS>600hp diesel(supply)	2065	99.7395	2393.75	2.00	14.00	1.46	6.68	50.03	1.50	10.92	0.02	0.09	0.70	0.02	0.15
	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	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	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	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	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 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
<b>2004 YEAR TOTAL</b>							<b>5.96</b>	<b>27.32</b>	<b>204.74</b>	<b>6.14</b>	<b>44.67</b>	<b>0.77</b>	<b>3.54</b>	<b>26.49</b>	<b>0.79</b>	<b>5.78</b>
<b>EXEMPTION CALCULATION</b>	<b>DISTANCE FROM LAND IN MILES</b>											<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>11226.55</b>
	6.0															



AIR EMISSIONS CALCULATIONS - THIRD YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS							
Walter Oil & Gas Corp.	Breton Sound	54 / 55	G21706 / G228	C	C003		Judy Archer	713 / 659-1222	#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												
		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)	2065	99.7395	2393.75	2	156	1.46	6.68	50.03	1.50	10.92	0.23	1.04	7.81	0.23	1.70
	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
	RECIP 2 cycle rich 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				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		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
<b>2005 YEAR TOTAL</b>							<b>1.46</b>	<b>6.68</b>	<b>50.03</b>	<b>1.50</b>	<b>10.92</b>	<b>0.23</b>	<b>1.04</b>	<b>7.81</b>	<b>0.23</b>	<b>1.70</b>
<b>EXEMPTION CALCULATION</b>	<b>DISTANCE FROM LAND IN MILES</b>											<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>11226.55</b>
	6.0															

AIR EMISSIONS CALCULATIONS - FOURTH YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Walter Oil & Gas Corp.	Breton Sound	54 / 55	G21706 / G228	C	C003	Judy Archer	713 / 659-1222	#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													
		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)	2065	99.7395	2393.75	2	156	1.46	6.68	50.03	1.50	10.92	0.23	1.04	7.81	0.23	1.70	
	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	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	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	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	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-FLARE-	0			0	0			0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-FUGITIVES-		0		0	0			0.00	0.00	0.00			0.00	0.00	0.00	0.00
	GLYCOL STILL VENT-		0	0.0	0	0			0.00	0.00	0.00			0.00	0.00	0.00	0.00
	DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
<b>2006 YEAR TOTAL</b>							<b>1.46</b>	<b>6.68</b>	<b>50.03</b>	<b>1.50</b>	<b>10.92</b>	<b>0.23</b>	<b>1.04</b>	<b>7.81</b>	<b>0.23</b>	<b>1.70</b>	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											0.00	0.00	0.00	0.00	0.00	
	0.0																

AIR EMISSIONS CALCULATIONS - FIFTH YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Walter Oil & Gas Corp.	Breton Sound	54 / 55	G21706 / G2284	C	C003	Judy Archer	713 / 659-1222	#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													
		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)	2065	99.7395	2393.75	2	156	1.46	6.68	50.03	1.50	10.92	0.23	1.04	7.81	0.23	1.70	
	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	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	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	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	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-FLARE-	0			0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-FUGITIVES-		0		0	0				0.00	0.00				0.00	0.00	
	GLYCOL STILL VENT-		0		0	0				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		
<b>2007 YEAR TOTAL</b>							<b>1.46</b>	<b>6.68</b>	<b>50.03</b>	<b>1.50</b>	<b>10.92</b>	<b>0.23</b>	<b>1.04</b>	<b>7.81</b>	<b>0.23</b>	<b>1.70</b>	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES										199.80	199.80	199.80	199.80	11226.55		
	6.0																

**AIR EMISSION CALCULATIONS**

OMB Control No. xxxx-xxxx  
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Walter Oil & Gas	Breton Sound	54 / 55	G21706 / G22801	C	C003
Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2003	1.22	5.61	42.04	1.26	9.17
2004	0.77	3.54	26.49	0.79	5.78
2005	0.23	1.04	7.81	0.23	1.70
2006	0.23	1.04	7.81	0.23	1.70
2007	0.23	1.04	7.81	0.23	1.70
2008	0.23	1.04	7.81	0.23	1.70
<b>Allowable</b>	<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>199.80</b>	<b>11226.55</b>

**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)	(1)		(1)	
Pinnacle Trend area live bottoms		(2)	(2)		(2)	
Eastern Gulf live bottoms		(3)	(3)		(3)	
Chemosynthetic communities		(4)	(4)		(4)	
Water quality		X	X		X	
Fisheries		X	X		X	
Marine mammals	(8) X			X	(8) X	
Sea turtles	(8) X			X	(8) X	
Air quality	(9) X					
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.

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities in Breton Sound Block 54 / 55 that could cause impacts to topographic features. The site-specific offshore location of the proposed activities is approximately 65 miles from the closest designated topographic feature (Sackett Bank).

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.

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 Breton Sound Block 54 / 55 that could cause impacts to pinnacle trend area live bottoms. The site-specific offshore location of the proposed activities is approximately 30 miles east-southeast 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 Breton Sound Block 54 / 55 that could cause impacts to Eastern Gulf live bottoms. The site-specific offshore location of the proposed activities is approximately 30 miles east-southeast 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**

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities in Breton Sound Block 54 / 55 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 water depth at

the surface location in Block 54 is 17 feet. The site-specific offshore location of the proposed activity is in water depths less than 400 meters (1312 feet).

## **5. Water Quality**

Effluents, physical disturbances to the seafloor and accidents from the proposed activities in Breton Sound Block 54 / 55 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.

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.

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 could come from emplacement of production platform(s), underwater OCS obstructions, oil spills, subsurface blowouts, pipeline installation and offshore discharges of drilling mud and produced waters (See Section 5, Water Quality above).

***There are no platforms or lease term pipelines proposed in this plan.***

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).

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 Breton Sound Block 54 / 55. 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 periodic 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.

Walter is aware of the close proximity to Breton National Wildlife Refuge (17 miles), which provides nesting sites for the loggerhead turtle. 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.

## **9. Air Quality**

The proposed drilling and production activities are located 6 miles from the nearest Louisiana shoreline (Breton Island) and within 100 km of the Breton National Wilderness Area.

Although the proposed operations are temporary in nature, there would be a limited degree of air quality degradation in the immediate vicinity. Emissions from drilling activities consist mainly of NO<sub>x</sub> and CO. These emissions are temporary in nature. Emissions of pollutants into the atmosphere from the drilling operations proposed are not expected to have significant impacts on onshore air quality because of the prevailing atmospheric conditions, emission heights, emission rates, and the distance of these emissions from the coastline.

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 Supplemental DOCD.

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

IPF's that could cause impacts to known or potential shipwreck sites from the proposed activities in Breton Sound Block 54 / 55 include physical disturbances to the seafloor such as platform and pipeline installation.

There are no platforms or lease term pipelines proposed in this plan. Breton Sound Block 54 / 55 is located outside the high probability area for shipwrecks. The nearest reported shipwreck (Vigilante, 1732) is positioned in Block 40 (approximately 5 miles north of Block 54).

However, in the event items of significant cultural resource potential are discovered during the proposed operations, Walter will immediately halt all operations and notify the appropriate department at the Minerals Management Service for further evaluation and assistance.

## **11. Prehistoric Archaeological Sites**

IPF's that could cause impacts to known or potential prehistoric archaeological sites from the proposed activities include physical disturbances to the seafloor such as platform and pipeline installation.

There are no platforms or lease term pipelines proposed in this plan. Breton Sound Block 54 / 55 is located outside the Archaeological Prehistoric High Probability Line.

However, in the event items of significant cultural resource potential are discovered during the proposed operations, Walter will immediately halt all operations and notify the appropriate department at the Minerals Management Service for further evaluation and assistance.

## Vicinity of Offshore Location:

### 1. Essential Fish Habitat

IPF's that could impact essential fish habitats as a result of the proposed operations in Breton Sound Block 54 / 55 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 (see Section 5, Water Quality, above). 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 LaBell3, 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 Breton Sound Block 54 / 55 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-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.

### **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 that could cause impacts to public health and safety.

Further, 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. Although it is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities in Breton Sound Block 54 / 55, Walter is aware of the close proximity of the Breton Islands (6 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). The operations proposed in this plan are not projected to have significant impacts on wetlands.

Walter is aware of the close proximity of the Delta National Wildlife Refuge (15 miles). There are two marsh zones that occur: fresh marsh near the main tributaries and brackish marsh near the GOM. The probability that an oil spill starting within Breton Sound Block 54 / 55 will contact a County or Parish (thereby encountering any wetlands within same) has been projected utilizing information from the MMS Oil Spill Risk Analysis Model (OSRAM). 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).

If the spill went unabated, shoreline impact would depend upon existing environmental conditions. Onshore response may include the deployment of shoreline boom on beach areas, or protection and sorbent boom on vegetated areas. Strategies would be based upon surveillance and real time trajectories that depict areas of potential impact given actual sea and weather conditions. 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).

Breton Sound Blocks 54 / 55 are approximately 15 miles from the Delta National Wildlife Refuge (NWR). The Delta NWR supports a wide variety of wildlife species. Wintering waterfowl take advantage of the rich food resources found in the delta. Large numbers of wading birds nest on the refuge, and thousands of shorebirds can be found on tidal mudflats and deltaic splays. Commonly observed species include greater and lesser yellowlegs, long-billed dowitchers, dunlins, western sandpipers, Wilson's plovers, killdeer and willets. The operations proposed in this plan are not projected to have significant impacts on shore birds and coastal nesting birds.

An accidental oil spill that may occur as a result of the proposed action has the potential to cause some detrimental effects on shore birds and coastal nesting birds. Although, as mentioned above, Walter is aware of the close proximity to the Delta National Wildlife Refuge and the Breton Islands, it is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities in Breton Sound Block 54 / 55. 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).

#### **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). The operations proposed in Breton Sound Block 54 / 55 are not projected to have significant impacts on coastal wildlife refuges.

Breton Sound Blocks 54 / 55 are approximately 15 miles from the Delta National Wildlife Refuge (NWR). The Delta NWR supports a wide variety of wildlife species. Wintering waterfowl take advantage of the rich food resources found in the delta. Large numbers of wading birds nest on the refuge, and thousands of shorebirds can be found on tidal mudflats and deltaic splays. Commonly observed species include greater and lesser yellowlegs, long-billed dowitchers, dunlins, western sandpipers, Wilson's plovers, killdeer and willets.

Detailed spill response discussions are included in Appendix H of Walter Oil & Gas Corporation's Regional Oil Spill Response Plan. 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). The closest designated wilderness is the Breton Wilderness Area (designated in 1975) is located off the delta of the great Mississippi River. Breton Island actually consists of two adjacent islands (north and south) with a combined length of about three miles and a width of less than one mile. Part of a long chain of barrier islands, they comprise only a small section of Breton National Wildlife Refuge. Walter is aware of the close proximity of the Breton Islands (6 miles). The operations proposed in this plan are not projected to have significant impacts on wilderness areas.

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.

A Shallow Hazards Report was previously submitted to the Minerals Management Service with the Initial Exploration Plan (N-4261). A Shallow Hazards Assessment of any seafloor and subsurface geological manmade features and conditions that may adversely affect operations is included in Appendix C.

### 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

Robert J. Floyd with Thales GeoSolutions was 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:

High Resolution Geophysical Survey Report of Block 54 / 55, Breton Sound Area, OCS-G 21706 / 22801, prepared for Marathon Oil Co. by John E. Chance and Associates, Inc. during December 1989.

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 Development 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 production activities proposed in this plan.

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

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