UNITED STATES GOVERNMENT MEMORANDUM

April 26, 2004

To:

Public Information (MS 5034)

From:

Plan Coordinator, FO, Plans Section (MS

5231)

Subject: Public Information copy of plan

Control #

N-08069

Type

Initial Development Operations Coordinations Document

Lease(s)

OCS-G22588 Block - 205 East Cameron Area

Operator

Remington Oil and Gas Corporation

Description -

Platform A and Well No 1

Rig Type

Not Found

Attached is a copy of the subject plan.

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

Elmo Cooper

Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
CAIS/A		4169 FSL, 6942 FWL	G22588/EC/205
WELL/NO. 001	G22588/EC/205	4169 FSL, 6942 FWL	G22588/EC/205

CONTROL No. N-8069

REVIEWER: Elmo Cooper

PHONE: (504) 731-3083



April 14, 2004

Minerals Management Service Regional Supervisor, Office of Field Operations 1201 Elmwood Park Boulevard New Orleans, Louisiana 70123-2394 Attention: Nick Wetzel, MS 5230

RE: Initial Development Operations Coordination Document

Leases OCS-G 22588, East Cameron Block 205

Offshore, Louisiana

Gentlemen:

In accordance with the provisions of Title 30 CFR 250.203, Remington Oil & Gas Corporation (Remington Oil & Gas) hereby submits for your review and approval five (5) copies of an Initial Development Operations Coordination Document for Leases OCS-G 22588, Offshore, Louisiana. One (1) copy is "Proprietary Information" and four (4) copies are "Public Information". Also included in this filing are CD's containing the electronic version of both the "Proprietary Information" and "Public Information" copies.

Proprietary data that is exempt from disclosure under the Freedom of Information Act and should not be made available to the public, or provided to any affected state or to the executive of any local government, has been eliminated from the copies classified as "Public Information".

Remington Oil & Gas Corporation, Inc. anticipates commencing activities under this proposed Initial Development Operations Coordination Document on May 15, 2004.

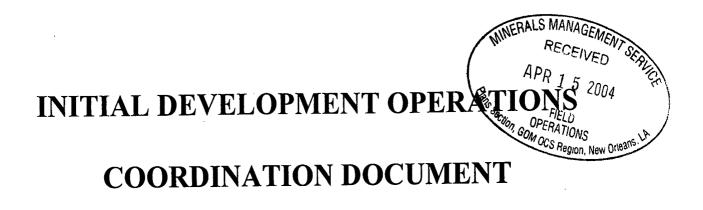
Should additional information be required please contact the undersigned or Remington's regulatory agent, J.V. Delcambre, Regulatory Services, Inc., at (337) 593-9420.

Sincerely,

REMINGTON OIL & GAS CORPORATION, INC.

Ooug Logan Jyd Douglas Logan

Director-Land



EAST CAMERON BLOCK 205 LEASE OCS-G 22588

OFFSHORE, LOUISIANA

REMINGTON OIL & GAS CORPORATION 8201 PRESTON ROAD, SUITE 600 DALLAS, TEXAS 75225

Prepared by:

Regulatory Services, Inc. 304 La Rue France, Suite 204 Lafayette, LA 70508 337.593.9420 337.593.9422 FAX

PUBLIC INFORMATION COPY

Table of Contents

~		. •		
€.	ec	t٠	\sim	*
()	ᇿ	LI	١,	

1.0	Contents of Plan	
	Description, Objectives and Schedules Location(s)	
	Description of Mobile Offshore Drilling Unit	1.3
	Description of Production Platform	
2.0	General Information	······································
	Contact Person	2.1
	Project Name	
	Production Rates and Life Reserves	
	New or Unusual Technology	
	Bonding Information	
	Onshore Base and Support Vessels	
	Lease Stipulations	
	Related OCS Facilities and Operations	
	Transportation Information	2.9
3.0	Geological, Geophysical and Hydrogen Sulfide Information	
	Geological and Geophysical Information	3.1
	Hydrogen Sulfide Information	
4.0	Biological Information	
	Chemosynthetic Information	4.1
	Topographic Features Information	
5.0	Waste and Discharge Information	
	Waste Information	5.1
	Discharge Information	
6.0	Oil Spill Response and Chemical Information	
	Site Specific OSRP	6.1
	Regional OSRP Information	
	OSRO Information	
	Worst Case Scenario Comparison	
	•	

Table of Contents (Cont'd)

	Facility Tanks and Production Vessel Information	6.5
	Diesel Oil Supply Vessels	6.6
	Support Fuel Vessels	
	Produced Liquid Hydrocarbons	
	Oil and Synthetic Based Drilling Fluids	6.9
	Blowout Scenario	6.10
	Oil Characteristics	6.11
	Spill Response Sites	
	Spill Response Discussion for NEPA Analysis	6.13
	Pollution Prevention Measures	
	GBNMS Monitoring Plans	
Section	on .	
7.0	Air Emissions Information	
٠	DOCD Air Quality Screening Checklist	7.1
8.0	Environmental Impact Analysis	
	DOCD Environmental Impact Analysis	8.1
9.0	Coastal Zone Management Consistency Certification	
	DOCD Coastal Zone Management Consistency Certification	9.1
10.0	OCS Plan Information	
	DOCD OCS Plan Information Form	10.1

LIST OF PLAN ATTACHMENTS

Attachment A	
Attachment A-1	Well Location Plat
Attachment B	Platform Drawing
Attachment C & C-1	Not Applicable
Attachment D	Bathymetry Map
Attachment D-1	Not Applicable
	Not Applicable
	Not Applicable
Attachment E	Not Applicable
Attachment F	Not Applicable
Attachment G	Not Applicable
	Waste Disposal Table
	Air Emissions Information
Attachment J	
	Coastal Zone Consistency Certification

Initial Development Operations Coordination Document

> East Cameron Block 205 Leases OCS-G 22588

SECTION 1

CONTENTS OF PLAN

1.1 DESCRIPTION, OBJECTIVE AND SCHEDULE

Under this Initial Development Operations Coordination Document (DOCD), Remington Oil & Gas Corporation, proposes to modify the well support caisson, lay a right-of-way pipeline, and commence production from East Cameron Block 205, Lease OCS-G-22588.

No new near shore or onshore pipelines or facilities will be constructed.

Activities under this Initial Development Operations Coordination Document for East Cameron Block 205 will commence on or about May 15, 2004.

The following schedule details the sequential order of the proposed events leading to the start-up of production.

EAST CAMERON 205	ESTIMATED
PROPOSED ACTIVITY SCHEDULE	START-UP DATE
1. Modify Caisson at EC 205, No. 001 Well	May 15, 2004
2. Lay pipeline from EC 205 #1 Caisson to EC 195 GP1	May 17, 2004
3. Commence Production	June 01, 2004

1.2 LOCATION (Plats are included as Attachment A & A-1)

The approximate location(s) of the existing surface and bottomhole for the well is described as follows:

LOCATION EC 205	ACTUAL LOCATION	TOTAL DEPTH	WATER DEPTH	DAYS TO DRILL/ COMPLETE
Well #001	SL: 4169' FSL & 6942' FWL LAT: 28° 43' 33.34120" N LONG: 92° 50' 30.14030" W	N/A MD	107'	N/A
	BHL: N/A LAT: N/A LONG: N/A	N/A TVD		

The exact location of the anchors to be used to hold the construction derrick barge on location during the installation of the jacket, production deck, helideck and boat landing at East Cameron Block 205, Well No. 1 Caisson (to be named Platform "A") is unknown, but the approximate maximum radius of the anchors from the barge will be 1000 feet +/- from the well sites. See Attachment "A-1" location plat for additional details.

1.3 DRILLING UNIT

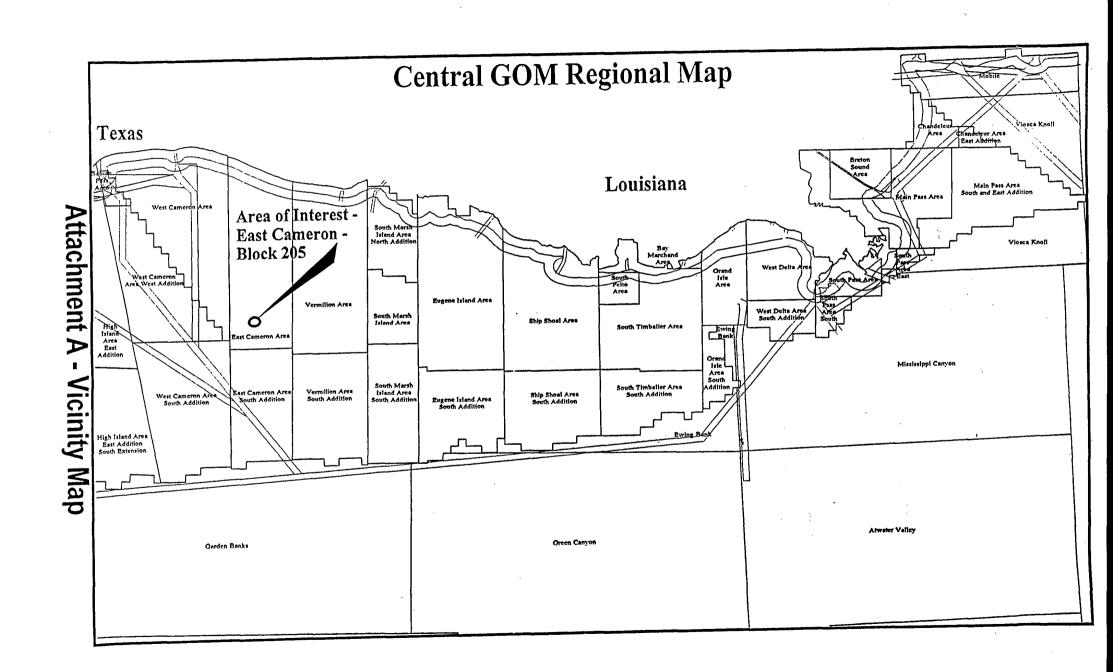
Not applicable. There are no drilling or completion rig operations proposed under this Plan. Those operations were completed under the Initial Plan of Exploration for Lease OCS-G-22588, East Cameron Block 205, MMS Control Number N-07968, approved December 23, 2003.

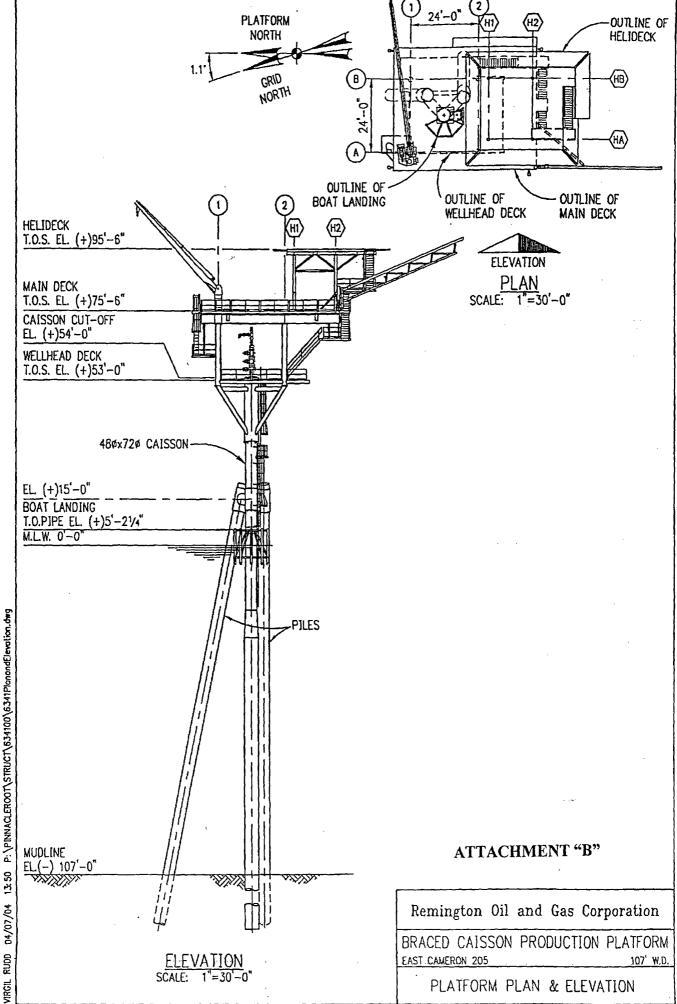
1.4 **PRODUCTION FACILITIES** (Included as Attachment B)

A single well support caisson has been installed at the surface location of East Cameron 205, Well #001 to support the well after drilling operations were completed. The caisson will be braced and a production deck, helideck and boat landing will be installed. The structure will be named the East Cameron Block 205, "A" Platform. See Attachment "B" for details on the proposed three-pile, one-slot, braced caisson platform.

East Cameron Block 205 is not located in a designated fairway area, therefore, a permit from the Department of the Army, Corps of Engineers, New Orleans District, will not be required.

In accordance with the provisions of Title 30 CFR Part 250.300, "Pollution Prevention", Remington Oil & Gas Corporation, Inc. will ensure that all hydrocarbon handling equipment installed for testing and production operations are designed, installed and operated to prevent pollution from the existing structure. The maintenance or repairs that are necessary to prevent pollution of offshore waters shall be undertaken immediately. In addition, there shall be no disposal of equipment, cables, containers, or other materials into offshore waters.





Initial Development Operations Coordination Document

> East Cameron Block 205 Leases OCS-G 22588

SECTION 2

GENERAL INFORMATION

2.1 CONTACT PERSON

Remington Oil & Gas Corporation, Inc. authorizes the following representative be contacted for any inquiries pertaining to this Plan:

Regulatory Services, Inc. Attention: J.V. Delcambre 304 La Rue France, Suite 204 Lafayette, LA 70508 (337) 593-9420 jv@regservicesinc.com

2.2 PROJECT NAME

East Cameron Block 205

2.3 PRODUCTION RATES & LIFE RESERVES

Proprietary Information - Not Applicable.

2.4 NEW OR UNUSUAL TECHNOLOGY

Remington Oil & Gas Corporation does not propose to utilize any new techniques or unusual technology for these operations; however, the best available and safest technologies (BAST) as referenced in Title 30 CFR 250 will be incorporated as standard operational procedures.

2.5 BONDING INFORMATION

In accordance with Title 30 CFR 256, "Bonding Requirements" and NTL 98-18N, Remington Oil and Gas Corporation has qualified and was issued on December 28, 1998 a waiver under the financial criteria established by NTL 98-18N. The waiver applies to all leases for which Remington has any recorded title interest and all leases for which Remington has provided a third party indemnity agreement. This waiver allows Remington to defer the posting of supplemental bonds in the Gulf of Mexico Region (GOMR).

Remington Oil & Gas Corporation has on file with the Minerals Management Service the bonding necessary to meet the \$3,000,000 areawide development criteria pursuant to the provisions of Title 30 CFR Part 256 and NTL-2000-G16.

2.6 ONSHORE BASE AND SUPPORT VESSELS

East Cameron Block 205 is located approximately 65 miles from the nearest shoreline located at Grand Chenier, Louisiana. The shorebase is located at Cameron, Louisiana. A vicinity map showing the location of East Cameron Block 205, relative to the shoreline and onshore base is included as Attachment "A".

Water depths in the proposed project areas range from 100 to 112 feet. See Attachment "D", Bathymetry Map, for details on water depths.

Remington Oil & Gas Corporation will utilize existing onshore facilities located in Cameron, Louisiana. This will serve as port of debarkation for supplies and crews. No onshore expansion or construction is anticipated with respect to the proposed activities.

This base is capable of providing the services necessary for the proposed activities. It has 24-hour service, a radio tower with a phone patch, dock space, equipment and supply storage base, drinking and drill water, etc. Support vessels and travel frequency during completion and production activities are as follows:

Construction Operations

Crew Boat: 2 trips per week

Supply Boat: 2 trips per week Helicopter: 1 trip per week

Production

Crew Boat: 1 trip per week

Supply Boat: N/A

Helicopter: 7 trips per week

The boats will normally move via the most direct route from Cameron, Louisiana. The helicopter will normally take the most direct route of travel between the two points when air traffic and weather conditions permit.

2.7 LEASE STIPULATIONS

Oil and gas exploration 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 subject oil and gas lease was issued with one (1) special lease stipulation. Lease Stipulation No. 3 involves Military Areas and states that the lessee assumes all risks of damage or injury to persons or property that occur on this lease. Stipulation No. 3 also provides that the lessee will control electronic emissions emanating from the lease and also enter into an agreement with the Naval Air Station – JRB in New Orleans, Louisiana to provide for control of boats, ships and aircraft operation into Warning Area-59 at all times.

Remington Oil and Gas Corporation will comply with all lease stipulations.

2.8 RELATED OCS FACILITIES AND OPERATIONS

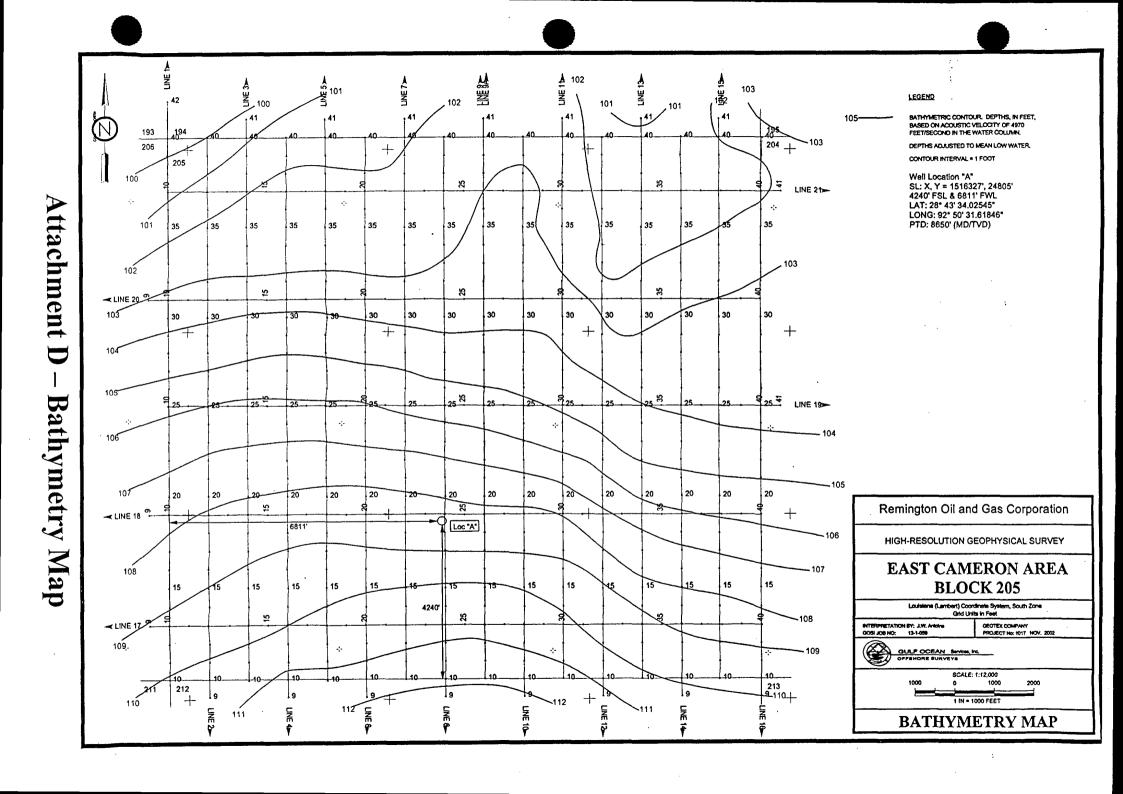
Currently, there is a temporary structure, Well #001 Caisson, on Lease OCS-G 22588, East Cameron 205. The structure will converted to permanent by bracing the caisson, installing a production deck with equipment, a helideck and boat landing. The structure will be renamed East Cameron Block 205, "A" Platform.

2.9 TRANSPORTATION INFORMATION

Production from Lease OCS-G 22588, East Cameron Block 205 will be processed, metered and distributed to sales made from East Cameron 205, "A" Platform.

Production will depart East Cameron 205 "A" Platform for sales via a proposed 6-inch right-of-way gas/condensate pipeline to East Cameron 195 GP1 Platform for delivery via MMS Operations System 20.0 to Sea Robin's onshore facility in Henry, Louisiana.

No additional installation of compressor stations or modifications to any existing facilities along the proposed pipeline route is anticipated.



Initial Development Operations Coordination Document

> East Cameron Block 205 Lease OCS-G 22588

SECTION 3

GEOLOGICAL, GEOPHYSICAL,

AND H₂S INFORMATION

3.1 GEOLOGICAL and GEOPHYSICAL INFORMATION

Depth Structure Map

Not applicable. No drilling operations are proposed under this plan.

Geological Structure Cross-Sections

Not applicable. No drilling operations are proposed under this plan.

Interpreted Two-Dimensional (2-D) and/or Three Dimensional (3-D) Seismic Lines

Not applicable. No drilling operations are proposed under this plan.

Shallow Geological Hazards Report

Gulf Ocean Services, Inc. conducted a High Resolution & Geophysical Study of East Cameron Block 205 in November 2002 for Remington Oil & Gas Corporation, which was submitted with the Initial Plan of Exploration, approved on December 23, 2003, Control No. N-07968.

Shallow Hazards Assessment

Not applicable. Previously submitted with Initial Plan of Exploration, approved on December 23, 2003, Control No. N-07968.

High-Resolution Seismic Lines

Not applicable. Previously submitted with Initial Plan of Exploration, approved on December 23, 2003, Control No. N-07968.

Biostratigraph/Stratigraphic Column

Not applicable. Previously submitted with Initial Plan of Exploration, approved on December 23, 2003, Control No. N-07968.

Time vs. Depth Table

Not applicable. No drilling operations are proposed under this plan.

3.2 HYDROGEN SULFIDE INFORMATION

Classification

In accordance with Title 30 CFR Part 250.417(c) East Cameron Block 205, Lease OCS-G 22588, has been classified by the Minerals Management Service as an area where the absence of hydrogen sulfide ("H₂S") has been confirmed per the Initial Plan of Exploration for East Cameron Block 205, MMS Control Number N-07968, approved on December 23, 2003.

Contingency Plan

In accordance with Title 30 CFR Part 250.4179(f), a Contingency Plan is not required since the geological and geophysical information confirms that the area does not contain hydrogen sulfide.

Initial Development Operations Coordination Document

> East Cameron Block 205 Lease OCS-G 22588

SECTION 4

CHEMOSYNTHETIC AND TOPOGRAPHIC

FEATURES INFORMATION

The Proposed Activities being submitted under this Plan

Do Not Require the Preparation of This Data

Initial Development Operations Coordination Document

> East Cameron Block 205 Lease OCS-G 22588

SECTION 5

WASTE AND

DISCHARGE INFORMATION

5.1 WASTE DISPOSAL INFORMATION

The Minerals Management Service regulations, the EPA NPDES General Permit and the U. S. Coast Guard's regulations implementing MARPOL 73/78 Annex V prohibit the disposal of trash and debris into the marine environment.

The major operational wastes generated during offshore oil and gas exploration and development include drilling fluids and cuttings and produced water. Other major wastes generated by the offshore oil and gas industry include the following: deck drainage and miscellaneous well fluids, cement, BOP fluid and from other sources – sanitary and domestic wastes, gas and oil processing wastes, ballast water and other miscellaneous minor discharges.

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

The Notice to Lessees and Operators NTL 98-14 dated August 10, 1998 advises operators that special caution should be exercised in the handling and disposing of small items, packaging materials, which could be lost in the marine environment and eventually washed ashore. MMS recommends that OCS operators develop and implement training programs to emphasize the proper control and disposal of refuse.

Operators are required to install curbs, gutters, drip pans, and drains on rig and derrick barge deck areas in a manner necessary to collect all contaminants and debris not authorized for discharge. The rule explicitly prohibits the disposal of equipment, cables, chains, containers, or other materials into offshore waters. Portable equipment, spools or reels, drums, pallets and other loose items weighing 18 kg or more must be marked in a durable manner with the operator's name prior to use or transport over offshore waters. Smaller objects must be stored in a marked container when not in use.

Therefore, Remington Oil & Gas will comply with the regulations under Title 30 CFR Part 250.300(a) and 250.300(b)(6) which prohibits the deliberate discharge of containers; as well as Title 30 Part 250.300(c), which requires the identification markings on equipment, tools, and containers.

Exempt waste includes those generally coming from an activity directly associated with the drilling, production, or processing of a hydrocarbon product. Nonexempt oil and gas wastes include those not unique to the oil and gas industry and used in the maintenance of equipment.

Solid domestic wastes will be transported to shore for proper disposal at an authorized disposal site, and sewage will be treated on location by U. S. Coast Guard approved marine sanitation devices.

Offshore oil-field wastes that are not discharged or disposed of onsite are brought onshore for disposal and taken to specifically designated commercial oil-field waste disposal facilities. In Louisiana, these sites are referred to as NOW sites or "non-hazardous oil-field waste" disposal sites.

At commercial waste treatment facilities, liquid wastes are usually injected into disposal wells and solid wastes are usually put into pits, land treated, land farmed or undergo a stationary treatment process to remove contaminants.

Liquid wastes are usually transported to shore by barge or in tanks located on supply boats. Once onshore, the wastes are generally transported to commercial oil-field waste disposal facilities by vacuum truck or barge.

In Louisiana there are seven (7) existing commercial oil-field waste disposal facilities that receive all of the types of wastes that would come from OCS operations and in Texas there are ten (10) facilities. Included in these numbers are two sites in Louisiana and one in Texas that process naturally occurring radioactive material (NORM) - contaminated oil-field wastes.

In addition to drilling wastes, trash and debris from the offshore oil industry are shipped onshore for disposal. These wastes include mud bags, drums, crates and a variety of domestic wastes. The trash and debris are disposed of at either municipal or industrial landfills depending on the method or company that an operator hires to haul the trash from their service base or directly from the offshore facility.

See Attachment "H", Waste Disposal Table for details on waste to be generated and disposal methods and locations.

5.2 DISCHARGE INFORMATION

Environmental Protection Agency

The USEPA regulates discharges from the offshore oil and gas industry under Section 402 of The Clean Water Act. The USEPA established effluent limitation guidelines for discharges and to authorize discharges into the waters of the United States by the issuance of the National Pollutant Discharge Elimination System (NPDES) permits.

Offshore wastes can be discharged overboard only if they are covered by a USEPA NPDES permit. Drilling muds and cuttings can be discharged overboard only if they meet requirements found in the NPDES permit. All discharges will contain no free oil and will be in compliance with, and monitored as required by, the permit.

The anticipated discharges associated with Remington's operations in East Cameron Block 205, as proposed, are not required to be reported under this plan.

Waste Disposal Table

Type of Waste	Amount	Rate per Day	Name/Location of Disposal Facility	Treatment, Storage, and Disposal Method
Oil-contaminated Produced sand	200 lb/yr	0.2 bbl/day	Newpark Cameron, LA	Store in cutting box and transport to land farm
Waste Oil	100 lb/yr	0.1 bbl/day	Dehyco Dock, Cameron, LA	Tote tanks or drums and transported onshore and picked up by vendors
Trash and debris	724 ft ³	2 ft ³	Dehyco Dock, Cameron, LA	Transport in compactor bags or trash bin
Scrap Iron	1000 lb	2.7 bbl/day	Dehyco Dock, Cameron, LA	Transport in scrap iron bin to shore location
Produced Water	~182,500 bbl/yr	500 bbl/day	EC 205 Lease OCS-G 22588	Treated to remove oil & grease. Discharged overboard
Deck Drainage	0 - 365 bbl/yr Dependant upon rainfall	1 bbl/day	EC 205 Lease OCS-G 22588	Treated to remove oil & grease. Discharged overboard

Initial Development Operations Coordination Document

East Cameron Block 205

Lease OCS-G 22588

SECTION 6

OIL SPILL RESPONSE

AND CHEMICAL INFORMATION

6.0 OIL SPILL INFORMATION

6.1 Site – specific OSRP

Not applicable.

6.2 Regional OSRP Information

Company Name:

Remington Oil & Gas Corporation

OSRP Approval Date:

February 06, 2002

Worst Case Certification Approval Date:

January 14, 2004

Remington Oil and Gas Corporation's Regional OSRP will cover activities proposed under this plan.

6.3 OSRO Information

Name of OSRO (Equipment):

CGA / MSRC

Name of OSRO (Personnel-Primary):

Garner Environmental Services

6.4 Worst - Case Scenario Comparison

CATEGORY	REGIONAL OSRP	DOCD
Type of Activity ¹	Production	Production
Spill Location (Area/Block)	Eugene Island 302	East Cameron Block 205
Facility Designation ²	Platform "A"	Well A
Distance to Nearest Shoreline (Miles)	63 miles	65 miles
Volume ³		
Storage Tanks (total)	0 bbls	0 bbls
Flowlines (on facility)	0 bbls	5 bbls
Lease Term Pipeline	0 bbls	0 bbls
Right-of-way pipeline	1188 bbls	400 bbls
Uncontrolled blowout (volume per day)	1800 bbls	75 bbls
Total Volume	2988 bbls	480 bbls
Type of Oil(s)	Oil	Condensate / Diesel
API Gravity(s) ⁴	34°	51.0° / 36.0°

"Near Shore" Worst Case Scenario Per Regional OSRP	Not Applicable
"Far Shore" Worst Case Scenario Per Regional OSRP (Designated as Eugene Island Block 302)	2988

Calculated Volume of Worst Case Discharge Scenario Per 254.47 (a) or (b) for Proposed Operations Under the Initial DOCD

254.47 (a)	Oil Production Platform Facility	Not Applicable
254.47 (b)	Exploratory or Development Drilling	480

Revised Worst Case Discharge Scenario

Remington Oil & Gas Corporation has updated the Regional Oil Spill Response Plan for a new Worst-Case Scenario, which is Eugene Island Block 302 as noted above. Environmental Safety and Health Consulting Service, Inc. (ES&H) has filed the amendment to the plan, which was approved on January 14, 2003.

Since Remington Oil & Gas Corporation, Inc. has the capability to respond to the worst-case scenario included in its Regional Oil Spill Response Plan which was approved on January 14, 2004 and since the Worst-Case Scenario determined for our Initial Development Operations Coordination Document does not replace the Worst-Case Scenario in our Regional Oil Spill Response Plan, I hereby certify that Remington Oil & Gas Corporation, Inc. has the capability to respond, to the maximum extent practicable, to a worst-case discharge, or a substantial threat of such a discharge, resulting from the activities proposed in our Initial Development Operations Coordination Document.

6.5 Facility Tanks and Production Vessels

Type of Storage Tank	Type of Facility	Tank Capacity (bbls)	Number of Tanks	Total Capacity (bbls)	Fluid Gravity (API)
Fuel Oil	N/A	N/A	N/A	N/A	N/A
Production	"A" Platform	0	0	0	0

6.6 Diesel Oil Supply Vessels

Size of Fuel Supply	Capacity of Fuel	Frequency of Fuel	Route of Supply
Vessel	Supply Vessel	Transfers	Vessel Will Take
N/A	N/A	N/A	N/A

6.7 Support Vessels Fuel Tanks

Type of Vessel	Number in Field Simultaneously	Estimated Maximum Fuel Tank Storage Capacity(bbl)
Tug Boats	1	250
Anchor-Handling Vessels	1	700
Supply Vessels	1	700
Crew Vessels	1	50
Derrick Barge	1	900
Dive Vessel	1	250

6.8 Produced Liquid Hydrocarbons Transportation Vessels

Not applicable. All produced hydrocarbons will be transported to shore via the proposed pipeline described in this plan and existing pipeline systems.

6.9 Oil and Synthetic-Based Drilling Fluids

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

There are no drilling activities proposed under this plan.

6.10 Blowout Scenario

LOCATION	INFORMATION	
BLOCK NAME	East Cameron	
IDENTIFICATION NO. / LEASE(S)	OCS-G 22588	
BLOCK NUMBER(S)	205	

TYPE OF OPERATION

The completion operations at East Cameron 205 are centered around one (1) well drilled in the Block. The operations are located at 28° 43′ 33.34120″ South and 92° 50′ 30.14030″ West. The drilling contractor for these operations will be Rowan Companies, Inc.

VOLUME DETERMINATION

The volume for the Worst Case Discharge for this operation, as determined using the methods given in 30 CFR 254.47, is the sum of the volume of all storage tanks located on the rig, the potential leakage volume of all lease pipelines flowing from the rig, and the daily production volume of an uncontrolled blowout. For this operation the following assumptions and conditions exist:

- 1. The production information for an uncontrolled blowout has been estimated to be 75 barrels per day.
- 2. The relevant pipeline's volume is 405 barrels.
- 3. Both production related and non-production related tanks have been considered in this calculation. Of these, 0 bbls exist.

With these assumptions in mind, the daily Worst Case Discharge for the EC 205 Operations is:

(75 Barrels/Day) + (405 Barrels) + (0 Barrels) = **480 Barrels**

In the event of an uncontrolled 30-day well blow out, this facility has the potential for a spill of:

(480 Barrels/Day) + (75 Barrels/Day x 29 Days) = **2655 Barrels**

BRIDGEOVER, SURFACE INTERVENTION, AND RELIEF WELL POTENTIALS

The process of evaluating and responding to a blowout is a fluid system of decision making requiring analysis of site-specific information at the time of the event. In reference to East Cameron Block 205, blowouts in this area would be expected to have the following conditions (based on information from similar Block areas):

BRIDGEOVER POTENTIAL

Completion operations resulting in a worst-case blowout in East Cameron 205 would have an equal chance of bridging over as operations in other parts of the Gulf of Mexico. Remington Oil and Gas Corporation chooses to plan for the worst possible blowout scenario and; therefore, assumes the likelihood of a blowout bridging over as a low probability although in reality there is a significant chance it would be possible.

LIKELIHOOD OF SURFACE INTERVENTION STOPPING THE BLOWOUT

It is the contention of Remington Oil and Gas Corporation that most successful well kill operations are conducted via surface intervention by trained well control specialists. In the event of an actual blowout, intervention at the surface by trained well control specialists from either *Wild Well Control* or *Boots and Coots* will be called upon to conduct well kill operations at the surface under the direction of Remington Oil and Gas Corporation. Remington Oil and Gas Corporation further understands that these operations, although typically much quicker than relief well plans, can take a significant amount of time. With that in mind, Remington Oil and Gas has used a potential worst case scenario of a 30 day well blowout for the planning factors and volumes in this response plan.

AVAILABILITY OF RIGS TO DRILL A RELIEF WELL / ESTIMATED TIME TO DRILL A RELIEF WELL

Remington Oil and Gas Corporation contends that the drilling of a relief well should be a secondary option in the event of a blowout. Primary efforts will focus on surface intervention. Because the primary drilling contractor, Rowan Companies, Inc., has a large inventory of drilling platforms/rigs, the availability of resources to conduct these operations would be high. Furthermore, because the drilling contractor is one of the largest in the gulf coast, the limitations of the drilling capabilities would be kept to a minimum. Although an ETA to drill a relief well would depend heavily on the nature of the blowout itself, Remington Oil and Gas Corporation assumes that surface intervention could be accomplished in a quicker fashion on average.

6.11 Oil Characteristics

Not Applicable.

6.12 Spill Response Sites

Primary Response Equipment Location	Preplanned Staging Locations	
Lake Charles, Louisiana	Cameron, Louisiana	

6.13 Spill Response Discussion for NEPA Analysis

RESPONSE

Remington Oil and Gas Corporation has ensured, by means of contract, an experienced Spill Management Team as well as an extensive response resource contractor team in order to ensure it is well prepared to address the issues involved with a Worst Case Discharge from this location. The sections below describe the necessary resources to address this scenario in adverse weather conditions at the location.

Remington Oil and Gas Corporation has referenced, as an integral part of the response procedure development phase, the Area Contingency Plan appropriate to their operating environments including the ACPs from COTPS of New Orleans, Morgan City, Lake Charles, and Houston. Furthermore, all operational tactics will be decided upon using surveillance information and real time SPILLNET Trajectories.

ADVERSE WEATHER CONDITIONS

For purposes of this scenario, adverse weather conditions in the East Cameron Area shall be defined as:

- Wind Speed/Direction- 15 knots out of the South/ South East
- Cloud Cover- 80% Cloud Cover and Stormy
- Wave/Sea Conditions- 4 8 ft seas
- Tidal Action/Current- Incoming Tide

RESPONSE TO INITIAL VOLUME

The initial Worst Case Discharge volume associated with a blow out at this location would be 480 barrels. As discussed above, this volume would include the daily production of the well under uncontrolled work-over conditions.

RESPONSE EQUIPMENT

Whenever possible, Remington Oil and Gas Corporation will attempt to use alternative response techniques to dissipate an oil slick before it can impact land segments. These response techniques, Dispersants and *In Situ* Burning, are discussed at length in Sections 18 and 19 of Remington's Regional Oil Spill Response Plan. During the course of the processes described in these sections, mechanical recovery and containment equipment will also be deployed to the spill site in a proactive manner. In the event of a Worst Case Discharge, the alternative response techniques and mechanical equipment given in the following tables should be utilized. Response and containment techniques to be used are discussed in detail in Sections 13, 14, and 15 of Remington's Regional Oil Spill Response Plan.

	DISPERSANT USAGE EQUIPMENT				
TYPE	QUANTITY	CAPABILITIES/LIMITATIONS	OWNER/LOCATION		
DC4 Spray Aircraft	3	Capable of flying multiple sorties with 2,000 gallon capacity	ASI/HOUMA		
DC3 Spray Aircraft	2	Capable of flying multiple sorties with 3,000 gallon capacity	ASI/HOUMA		
Spotter Plane	1	Used in conjunction with spray aircraft	ASI/HOUMA		
Spotter Personnel	6	20 Minute ETA to ASI in Houma. Trained by NOAA and USCG.	ES&H/HOUMA		
Dispersant	Section 18	See Section 18	See Section 18		
Infrared Imaging	1	Thermal Imaging during Night Operations	Real Time/N.O.		

OFFSHORE SKIMMING EQUIPMENT

Type	Qty	Recovery	Storage	Man	Operation	Location	Estimated
		Capacity	Capacity	Power	limitations		Response
				Required			Time
Hoss	1	43000 bbl	4130 bbl	12	7 ft seas	CGA/	30.0 Hrs.
Barge	ļ			Į		Houma	
Tug	3	None	None	4	None	Delta	30.0 Hrs.
Boats			}			Towing	
						/ Houma	
Timbal.	1	2800	50 bbl	4	6 ft seas	CGA/	15.0 Hrs.
Bay						Houma	
Fru	1	3400	188 bbl	6	4 ft seas	CGA/	15.0 Hrs.
Unit					1	Lake	
						Charles	

6.14 Pollution Prevention Measures

East Cameron Block 205, Lease OCS-G 22588 will be produced by Well "A-1", which will be equipped with surface control down-hole, subsea safety valves (SCSSV) which are designed to shut-off the flow from the wells in case of accidental damage to the wellhead.

The East Cameron 205, "A-1" wellhead will also have high pressure and low pressure safety sensors which will shut the valves on the wellhead in case of fire or high or low flow line pressure, which will prevent flow from the well, thereby limiting or preventing any potential liquid hydrocarbon spill. The East Cameron 205, "A-1" wellhead will also have high pressure and low-pressure safety sensors which will shut the valves on the wellhead in case of high or low flow line pressure, which will prevent flow from the well, thereby limiting or preventing any potential liquid hydrocarbon spill.

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

There will be process vessels on the Remington's East Cameron 205 "A" Platform. Production at East Cameron Block 205, "A" Platform. On Remington's East Cameron 205, "A" Platform, all production related vessels will have high/low pressure sensors which will cause the complete process train to shut-in, thereby causing the wellhead valves on East Cameron Block 205, "A" Platform to close, causing production to cease, limiting or avoiding any potential liquid hydrocarbon spill.

All required shut-down valves and safety sensors for the proposed facility and wellhead will be installed by RP14C and approved by the MMS-Lake Charles District Office.

The facility will be operated by Remington Oil and Gas, whereas proved operating procedures and safety equipment will be used to prevent and limit the possible of any potential liquid hydrocarbon spill as related to the operations propose under this Plan.

6.15 GBNMS Monitoring Plans

Not applicable.

Initial Development Operations Coordination Document

> East Cameron Block 205 Lease OCS-G 22588

SECTION 7

AIR EMISSIONS INFORMATION

Included in this Section is Attachment "I"

Expiration Date: Pending

COMPANY	REMINGTON OIL & GAS CORP.
AREA	EAST CAMERON
BLOCK	205
LEASE	OCS-G-22588
PLATFORM	N/A
WELL	No. 001
COMPANY CONTACT	J. V. DELCAMBRE
TELEPHONE NO.	337.593.9420
REMARKS	MODIFY CAISSON, CONSTRUCT PIPELINE & COMMENCE PRODUCTION

"Yes"	"No"	Air Quality Screening Questions
	X	1. Is the concentration of H ₂ S expected greater than 20 ppm?
	Х	Is the burning of produced liquids proposed?
	X	3. Is gas flaring or venting which would require Regional Supervisor of Production and Development approval under Subpart K proposed?
	Х	4. Does the facility process production from 8 or more active wells?
	X	5. Is the facility within 200km of the Breton Area?
	X	6. Will the proposed activity be collocated at (same surface location), or bridge attached to, a previously approved facility?
	X	7. Is the proposed activity within 25 miles of shore?
	Х	8. Are semi-submersible activities involved and is the facility within 75 miles of shore?
	Х	9. Are drillship operations involved and is the facility within 145 miles of shore?

If ALL questions are answered "No":

Fill in the information below about your lease term pipelines and submit only this coversheet with your plan.

If ANY question is answered "Yes":

Prepare and submit a full set of spreadsheets with your plan.

LEASE TE	RM PIPELINE CONST	RUCTION INFORMATION:
YEAR	NUMBER OF PIPELINES	TOTAL NUMBER OF CONSTRUCTION DAYS
1999		
2000		
2001		
2002		
2003		
2004		
2005		r e
2006		
2007		
2008		
2009		

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL			CONTACT		PHONE	REMARKS					
REMINGTON OIL & GAS		ERON 205 OCS-G-22588 N/A No. 001 J. V. DELCAMBRE					337.593.9420	#REF!								
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL		RUN	TIME		MAXIMU	M POUNDS P	ER HOUR			ES	TIMATED TO	ONS	
	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	СО	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	PIPELINE LAY BARGE diesel	5300	255.99	6143.76	24	18	3.74	17.14	128.41	3.85	28.02	0.81	3.70	27.74	0.83	6.05
INSTALLATION	SUPPORT VESSEL diesel	2500	120.75	2898.00	24	18	1.76	8.08	60.57	1.82	13.22	0.38	1.75	13.08	0.39	2.85
	PIPELINE BURY BARGE diesel	0 -	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	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)	1650	79.695	1912.68	24	5	1.16	5.34	39.98	1.20	8.72	0.07	0.32	2.40	0.07	0.52
	VESSELS>600hp diesel(supply)	2500	120,75	2898.00	24	5	1.76	8.08	60.57	1.82	13.22	0.11	0.49	3.63	0.11	0.79
FACILITY	DERRICK BARGE diesel	1785	86.2155	2069,17	24	5	1.26	5.77	43.25	1.30	9.44	0.08	0.35	2.59	0.08	0.57
INSTALLATION	MATERIAL TUG diesel	2500	120.75	2898.00	24	5	1.76	8.08	60.57	1.82	13.22	0.11	0.49	3.63	0.11	0.79
	VESSELS>600hp diesel(crew)	1650	79.695	1912.68	24	2	1.16	5.34	39.98	1.20	8.72	0.03	0.13	0.96	0.03	0.21
	VESSELS>600hp diesel(supply)	2500	120.75	2898.00	24	2	1.76	8.08	60.57	1.82	13.22	0.04	0.19	1.45	0.04	0.32
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	1650	79.695	1912.68	24	30	1.16	5.34	39.98	1.20	8.72	0.42	1.92	14.39	0.43	3.14
	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	ŀ	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								ļ				·
	TANK-	0			0	0	J	J		0.00		ll .			0.00	
	FLARE-		1250000		24	6		0.74	89.25	75.38	485.63	1	0.05	6.43	5.43	34.97
	PROCESS VENT-		0	450.0	0	0		1		0.00		ŀ			0.00	1
	FUGITIVES-	91 14 14 JAN 115		150.0		214				0.08		ll .			0.19	
00// 1//0	GLYCOL STILL VENT-	1 - 2 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0	530.000 W 188 4.000	0	0				0.00		l			0.00	
DRILLING WELL TEST	OIL BURN GAS FLARE	0	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 0.00	0.00	0.00
WELL 1ES1	GAS FLARE		<u> </u>			- 		0.00	0.00	0.00	0.00	 	0.00	0.00	0.00	0.00
2004	YEAR TOTAL]				1	15.53	71.99	623.14	91.47	602.11	2.03	9.38	76.31	7.72	50.21
EXEMPTION	DISTANCE FROM LAND IN			1	<u> </u>	I	· · · · · · · · · · · · · · · · · · ·	1	l <u></u>	l	<u> </u>	 		L		
CALCULATION	MILES											2164.50	2164.50	2164.50	2164.50	54965.20
	65.0	1										Ħ		ı	1	I

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL			CONTACT		PHONE	REMARKS					
REMINGTON OIL & GAS		OCS-G-22588	N/A	No. 001			J. V. DELCAMB	RE		#REF!						
OPERATIONS	EQUIPMENT		MAX. FUEL			TIME			POUNDS F				ES.	IMATED TO	NS	
	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	СО	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	o	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		for A	o	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	PIPELINE LAY BARGE diesel	0	0	0.00	0	 	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSTALLATION	SUPPORT VESSEL diesel	ŏ	0	0.00	Ιŏ	Ιŏ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INOIALLATION	PIPELINE BURY BARGE diesel	ŏ	Õ	0.00	Ĭŏ	ŏ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	ŏ	ŏ	0.00	lŏ	l ŏ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	ŏ	ő	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)	Ö	Ö	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
-10" (T)																
FACILITY	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
INSTALLATION	MATERIAL TUG diesel	0 1	0	0.00	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	Ö	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	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	, o	U	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	1650	79.695	1912.68	24	52	1.16	5.34	39.98	1.20	8.72	0.73	3.33	24.95	0.75	5.44
	TURBINE nat gas	0	0	0.00	0	0	İ	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	1	0.00	0.00	0.00	0.00	Į.	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	İ	0.00	0.00	0.00	0.00
	RECIP.4 cycle rich nat gas BURNER nat gas	0	0.00	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 0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT	 	 	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	TANK-	0	SCF/RK	- COOM1	0	0		r	· · · · · · · · · · · · · · · · · · ·	0.00			r		0.00	т
l	FLARE-		1250000		24	12		0.74	89.25	75.38	485.63	1	0.11	12.85	10.85	69.93
l	PROCESS VENT-		0	14	0	0	f	5.,7	55.25	0.00	700.03	1	0.11	12.00	0.00	09.93
	FUGITIVES-		l s s siste			365	Ĭ	1	ľ	0.08	!	i ·			0.00	i
	GLYCOL STILL VENT-		0	100.0	0	0		İ		0.00	[1			0.00	
DRILLING	OIL BURN	0			ō	Ö	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		Ö	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	VEAR TOTAL						1.46	6.00	129,23	76.65	404.25	0.72	244	07.00	44.00	70.07
2005	YEAR TOTAL						1.16	6.08	129.23	76.65	494.35	0.73	3.44	37.80	11.93	75.37
EXEMPTION	DISTANCE FROM LAND IN		l				u				1					
CALCULATION	MILES]										2164.50	2164.50	2164.50	2164.50	54965.20
	65.0	1										N .	I		I	1



OMB Control No. xxxx-xxxx Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
REMINGTON	O EAST CAMERON	205	OCS-G-22588	N/A	No. 001
Year		Emitted		Substance	
	PM	SOx	NOx	voc	CO
2004	2.03	9.38	76.31	7.72	50.21
2005	0.73	3.44	37.80	11.93	75.37
2006	0.73	3.44	37.80	11.93	75.37
2007	0.73	3.44	37.80	11.93	75.37
2008	0.73	3.44	37.80	11.93	75.37
2009	0.73	3.44	37.80	11.93	75.37
Allowable	2164.50	2164.50	2164.50	2164.50	54965.20

REMINGTON OIL AND GAS CORPORATION

INITIAL DOCD

SUMMARY INFORMATION PEAK YEAR (2004) EMMISSIONS

EAST CAMERON BLOCK 205, OCS-G 22588

AIR POLLUTANT.		EXEMPTION AMOUNTS (tons)	 CALCULATED COMPLEX TOTAL: EMISSIONS AMOUNTS (tons)
Carbon monoxide (CO)	50.21	54965.20	34.97
Particulate matter (PM)	2.03	2164.50	0.00
Sulphur dioxide (SO₂)	9.38	2164.50	0.05
Nitrogen oxides (NO _x)	76.31	2164.50	6.43
Volatile organic compounds (VOC)	7.72	2164.50	5.62

8.0 ENVIRONMENTAL IMPACT ANALYSIS

REMINGTON OIL & GAS CORPORATION

INITIAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT

ENVIRONMENTAL IMPACT ANALYSIS

EAST CAMERON BLOCK 205 LEASE OCS-G 22588

OFFSHORE, LOUISIANA

April 2004

Prepared by:
Regulatory Services, Inc.
304 La Rue France, Suite 204
Lafayette, Louisiana 70508
(337) 593-9420

Ta	able of Contents	Page
I.	Description of the Proposed Activity	8-1
II.	. Impact-Producing Factors	8-1
	A. Site-specific at Offshore Location	
	1. Designated Topographic Features	8-1
	2. Pinnacle Trend Area Live Bottoms	
	3. Eastern Gulf Live Bottoms	8-2
	4. Chemosynthetic Communities	8-3
	5. Water Quality	8-3
	6. Fisheries	8-4
	7. Marine Mammals	8-4
	8. Sea Turtles	8-5
	9. Air Quality	8-5
	10. Shipwreck Sites (known or potential)	
	11. Prehistoric Archaeological Sites	8-6
	B. Vicinity of Offshore Location	8-6
	1. Essential Fish Habitat	
	Marine and Pelagic Birds	
	3. Public Health and Safety	
	C. Coastal and Onshore	97
	1. Beaches	
	2. Wetlands	
	Shore Birds and Coastal Nesting Birds	
	4. Coastal Wildlife Refuges	
	5. Wilderness Areas	
	D. Other environmental Resources Identified	8-8
	E. Impacts on Proposed Activities	8-8
	F. Alternatives	8-8
	G. Mitigation Measures	8-8
	H. Consultation	8-9
III	I. Activities Statement Guarantee	8-9
r.	7 Literature Cited	8-9

I. Description of the Proposed Activity

This environmental impact analysis addresses the activities proposed by Remington Oil and Gas Corporation (Remington) for East Cameron Area Block 205, Lease OCS-G 22588. The approximate locations of the activities are presented on a general vicinity map of the Outer Continental Shelf (OCS) lease areas off the coast of Louisiana (see Attachment A).

Remington proposes to install a platform and construct a 6-inch right-of-way gas/condensate pipeline in and across Block 205, East Cameron Area. All of the proposed activities are being conducted in the East Cameron Area, Blocks 205 and 195.

II. Impact-Producing Factors

A. Site-specific at Offshore Location

1. Designated Topographic Features

There are no Impact Producing Factors (IPF's) from the proposed activities that could cause impacts to designated topographic features. The location of the proposed activities is 25 miles away from the nearest topographic feature, which is the "Sonnier" Bank.

Effluent discharges, including drilling muds, cuttings, and other approved discharges to the water column or seafloor will have no effect on the "Sonnier" Bank, because of the distance from the proposed activity to the topographic feature. Biological effects on the benthos from the deposition of nonshunted discharges are mostly limited to within 1,000 meters of the discharge. All discharges will be made in accordance with a general National Pollutant Discharge Elimination System (NPDES) permit, issued by the U. S. Environmental Protection Agency (USEPA).

All proposed bottom-disturbing activities, mainly rig emplacement, are 25 miles away from the nearest topographic feature, which is the "Sonnier" Bank, and will have no effect on the topographic feature because of the distance from said feature.

It is highly unlikely that any accidental surface or subsurface oil spill would occur from the activities detailed in this plan. Any accidents including oil and chemical spills, or H₂S releases from the proposed activities will have not effect on the "Sonnier" Bank because of the distance (25 miles) from the proposed activity to the topographic feature.

The activities proposed in this plan will be covered by Remington Oil and Gas Corporation's Regional Oil Spill Response Plan.

2. Pinnacle Trend Area Live Bottoms

There are no Impact Producing Factors (IPF's) from the proposed activities that could cause impacts to designated Pinnacle Trend area live bottoms. The location of the proposed activities is 260 miles away from the pinnacle trend area live bottoms, located off of Main Pass Area.

Effluent discharges, including drilling muds, cuttings, and other approved discharges to the water column or seafloor will have no effect on the nearest pinnacle trend area live bottom because of the distance from the proposed activity to the pinnacle trend area live bottom. All discharges will be made in accordance with a general National Pollutant Discharge Elimination System (NPDES) permit, issued by the U. S. Environmental Protection Agency (USEPA).

All proposed bottom-disturbing activities, mainly rig emplacement, are 260 miles away from the pinnacle trend area live bottom, which is located off of Main Pass Area, and will have no effect on the pinnacle trend area live bottom because of the distance from said feature.

It is highly unlikely that any accidental surface or subsurface oil spill would occur from the activities detailed in this plan. Any accidents including oil and chemical spills, or H_2S releases from the proposed activities will have not effect on the pinnacle trend area live bottom because of the distance (260 miles) from the proposed activity to the pinnacle trend area live bottom.

Remington Oil and Gas Corporation's Regional Oil Spill Response Plan will cover the activities proposed in this plan.

3. Eastern Gulf Live Bottoms

There are no Impact Producing Factors (IPF's) from the proposed activities that could cause impacts to designated Eastern Gulf Live Bottoms. The location of the proposed activities is approximately 260 miles away from the nearest Eastern Gulf Live Bottom, located off of the mouth of the Mississippi River.

Effluent discharges, including drilling muds, cuttings, and other approved discharges to the water column or seafloor will have no effect on the nearest Eastern Gulf Live Bottom because of the distance from the proposed activity to the Eastern Gulf Live Bottom. All discharges will be made in accordance with a general National Pollutant Discharge Elimination System (NPDES) permit, issued by the U. S. Environmental Protection Agency (USEPA).

All proposed bottom-disturbing activities, mainly rig emplacement, are 260 miles away from the nearest Eastern Gulf Live Bottom, which is located off of the mouth of the Mississippi River, and will have no effect on the Eastern Gulf Live Bottom because of the distance from said feature.

It is highly unlikely that any accidental surface or subsurface oil spill would occur from the activities detailed in this plan. Any accidents including oil and chemical spills, or H₂S releases from the proposed activities will have not effect on the nearest Eastern Gulf Live Bottom because of the distance (260 miles) from the proposed activity to the Eastern Gulf Live Bottom.

Remington Oil and Gas Corporation's Regional Oil Spill Response Plan will cover the activities proposed in this plan.

4. Chemosynthetic Communities

The proposed activities will take place in water depths of about 100 to 112 feet. No impact producing factors, particularly physical disturbances to the seafloor, will have any effect to Chemosynthetic Communities since the communities exist in water depths greater than 400 meters. Routine discharges of drilling muds, and cuttings are distributed across wider areas and are in thinner accumulations in shallower water depths. Any impacts that could result from these discharges are likely to be minor and sublethal to chemosynthetic communities.

Due to the great water depths in which chemosynthetic communities are found, sanitary wastes and produced waters are not expected to have adverse impacts to these communities. These effluents would undergo a great deal of dilution and dispersion before contacting the benthic communities.

Oil spills would not impact chemosynthetic communities because the communities are often seen growing among oil-saturated sediments and natural gas bubbles, using these hydrocarbons as an energy source. It is unlikely that an accidental oil spill would occur from the proposed activities. If a spill would to occur, the activities proposed in this plan will be covered by Remington Oil and Gas Corporation's Regional Oil Spill Response Plan.

5. Water Quality

The major sources of ocean dumping related to OCS petroleum exploration activity are drilling fluids, or "muds," and drill cuttings. After the completion activities in East Cameron Block 205 are finalized, Remington does not anticipate dumping their excess completion fluids. No oil-based mud will be used in the completion operations.

Drill cuttings are brought up by the drilling mud and range in size from grains of sand to pebbles. These cuttings are separated and sifted and then disposed overboard. Treated domestic wastes and drill waters will also be disposed at the proposed drilling site. There will be no intentional discharge of any oily or hazardous materials in violation of DOI or EPA regulations. All discharges will be made in accordance with a general National Pollutant Discharge Elimination System (NPDES) permit issued by the U. S. Environmental Protection Agency (USEPA).

6. Fisheries

An accidental oil spill could aversely effect fisheries in the area. It is highly unlikely that an accidental oil spill would occur from the proposed activities. If a spill were to occur in OCS waters the effects to fish and shellfish would likely be minimal and/or sublethal due to the capability of the fish and shellfish to metabolize hydrocarbons, and to excrete both metabolites and parent compounds. The activities proposed in this plan will be covered by Remington Oil and Gas Corporation's Regional Oil Spill Response Plan.

7. Marine Mammals

Endangered or threatened marine mammal species which might occur in the Gulf of Mexico are West Indian manatee (<u>Trichechus manatus</u>). northern right whale (<u>Eubalaena glacialis</u>), fin whale (<u>Balaenoptera physalus</u>), humpback whale (<u>Megaptera novaeansgliae</u>), sei whale (<u>B. borealis</u>), sperm whale (<u>Physeter macrocephalus</u>), and blue whale (<u>B. musculus</u>) (<u>USDOI</u>, Region IV Endangered Species Notebook). Impact producing factors such as noise etc. may stress marine mammals, weaken their immune systems but would not normally be fatal. Few lethal effects to marine mammals are expected from oil or chemical spills. Collisions between service vessels associated with activities proposed under this plan and marine mammals are expected to be minimal. No adverse impacts to endangered or threatened marine mammals are anticipated as a result of the proposed activities.

8. Sea Turtles

Endangered or threatened sea turtle species which might occur in the Gulf of Mexico are Kemp's ridley turtle (Lepidochelys kempii), green turtle (Chelonia mydas), hawksbill turtle (Eretmochelys imbricata), leatherback turtle (Dermochelys coriacea), and loggerhead turtle (Caretta caretta) (USDOI. Region IV Endangered Species Notebook). Impact producing factors such as noise etc. may disrupt normal behavior patterns and could create stress to sea turtles thereby weakening their immune systems. Contact with oil or chemicals could affect sea turtles. However, oil spill response planning should mitigate the effects of these threats. Few lethal effects to sea turtles are expected from oil or chemical spills. A small number of turtles could be killed or injured as a result of collision with service vessels or by eating indigestible trash accidentally lost from drilling rigs or service vessels. No adverse impacts to sea turtles are anticipated as a result of the proposed activities.

9. Air Quality

An Air Quality Report is required for the proposed activities, per the checklist. Therefore, an Air Quality Screening Checklist was prepared and is included as Attachment "I" of this DOCD.

10. Shipwreck Sites (known or potential)

An Archeological and Shallow Hazards Report for East Cameron Block 205 was prepared by Gulf Ocean Services, Inc. in November 2002, and the following was extracted from that report:

The following conclusions and/or recommendations should be considered during drilling and construction planning within the study area:

A geophysical survey of East Cameron 205, the surface location for Well "A" has been conducted. High-resolution geophysical survey data was used to evaluate for evidence of historic shipwrecks and high probability areas for prehistoric archaeological sites associated with formerly sub aerially exposed landforms. There were a total of seven (7) magnetic anomalies. Two (2) magnetic anomalies are associated with the two wells. The other five (5) anomalies represent effect of an unknown nature, age or significance. The magnetic anomalies should have no impact on future drilling or construction activities.

11. Prehistoric Archaeological Sites

The area of proposed activities falls within the zone designated as an area with a low probability of pre-historic archeological resources. A Geophysical Survey Report for East Cameron Block 205 was prepared by Gulf Ocean Services, Inc. in November 2002, and the following was extracted from that report:

Based on data, published research and the aforementioned Survey Report for East Cameron Block 205 the presence of significant prehistoric cultural resources is assessed as not probable. There were a total of seven (7) magnetic anomalies. Two (2) magnetic anomalies are associated with the two wells. The other five (5) anomalies represent effect of an unknown nature, age or significance. The magnetic anomalies should have no impact on future drilling or construction activities.

B. Vicinity of Offshore Location

1. Essential Fish Habitat

An accidental oil or chemical spill that could occur as a result of the proposed activities described in this plan would cause some detrimental effects on essential fish habitat. It is highly unlikely that an accidental oil spill would occur from the proposed activities. If a spill were to occur in OCS waters the effects to fish and shellfish would likely be minimal and/or sublethal due to the capability of the fish and shellfish to metabolize hydrocarbons, and to excrete both metabolites and parent compounds. The activities proposed in this plan will be covered by Remington Oil and Gas Corporation's Regional Oil Spill Response Plan. No adverse impacts to essential fish habitat are anticipated as a result of the proposed activities.

2. Marine and Pelagic Birds

An accidental oil or chemical spill that could occur as a result of the proposed activities described in this plan would cause some detrimental effects on marine and pelagic birds (the birds could become covered with oil). It is highly unlikely that an accidental oil spill would occur from the proposed activities. The activities proposed in this plan will be covered by Remington Oil and Gas Corporation's Regional Oil Spill Response Plan. No adverse impacts to essential marine and pelagic birds are anticipated as a result of the proposed activities.

3. Public Health and Safety

Proposed activities will occur approximately 65 miles from the coastline at Grand Chenier, Louisiana. There are no impact producing factors from the proposed activities, i.e. an accidental release of H₂S that could cause impacts to public health and safety. In accordance with Title 30 CFR Part 250.417(c) East Cameron Block 205, Lease OCS-G 22588, has been classified by the Minerals Management Service as an area where the absence of hydrogen sulfide ("H₂S") has been confirmed.

C. Coastal and Onshore

1. Beaches

Proposed activities under this initial DOCD will occur approximately 65 miles from the coastline at Grand Chenier, Louisiana. An accidental oil spill from the proposed activities could cause impacts to beaches. However, due to the distance from the nearest coastline and the response capabilities as described and covered in Remington Oil and Gas Corporation's Regional Oil Spill Response Plan, no adverse impacts to beaches are anticipated as a result of the proposed activities.

2. Wetlands

Proposed activities under this initial DOCD will occur approximately 65 miles from the coastline at Grand Chenier, Louisiana. An accidental oil spill from the proposed activities could cause impacts to wetlands. However, due to the distance from the nearest coastline and the response capabilities as described and covered in Remington Oil and Gas Corporation's Regional Oil Spill Response Plan, no adverse impacts to wetlands are anticipated as a result of the proposed activities.

3. Shore Birds and Coastal Nesting Birds

Proposed activities under this initial DOCD will occur approximately 65 miles from the coastline at Grand Chenier, Louisiana. An accidental oil spill from the proposed activities could cause impacts to shore birds and coastal nesting birds. However, due to the distance from the nearest coastline and the response capabilities as described and covered in Remington Oil and Gas Corporation's Regional Oil Spill Response Plan, no adverse impacts to shore birds and coastal nesting birds are anticipated as a result of the proposed activities.

4. Coastal Wildlife Refuges

Proposed activities under this initial DOCD will occur approximately 65 miles from the coastline at Grand Chenier, Louisiana. An accidental oil spill from the proposed activities could cause impacts to coastal wildlife refuges. However, due to the distance from the nearest coastline and the response capabilities as described and covered in Remington Oil and Gas Corporation's Regional Oil Spill Response Plan, no adverse impacts to coastal wildlife refuges are anticipated as a result of the proposed activities.

5. Wilderness Areas

Proposed activities under this initial DOCD will occur approximately 65 miles from the coastline at Grand Chenier, Louisiana. An accidental oil spill from the proposed activities could cause impacts to wilderness areas. However, due to the distance from the nearest coastline and the response capabilities as described and covered in Remington Oil and Gas Corporation's Regional Oil Spill Response Plan, no adverse impacts to wilderness areas are anticipated as a result of the proposed activities.

D. Other Environmental Resources Identified

None

E. Impacts on proposed activities

The site specific environmental conditions have been taken into account for the proposed activities as described for this initial DOCD. No impacts are expected on the activities proposed from site-specific environmental conditions.

F. Alternatives

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

G. Mitigation Measures

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

H. Consultation

No agencies or persons were consulted regarding the potential environmental impacts associated with the activities proposed under this initial DOCD, therefore, no such persons or agencies are listed.

III. Activities Statement Guarantee

THE PROPOSED ACTIVITIES WILL BE CARRIED OUT AND COMPLETED WITH THE GUARANTEE THAT:

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

All operations will be covered by Remington Oil and Gas Corporation's Regional Oil Spill Response Plan.

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

IV. Literature Cited

U. S. Department of the Interior, Fish and Wildlife Service 1976 Endangered and threatened species of the southeastern United States. Region IV, Atlanta. Georgia (periodically updated).

Gulf of Mexico OCS Oil and Gas Lease Sales 169, 172, 175, 178, and 182; Central Planning Area, Final Environmental Impact Statement.

OCS EIS/EA MMS 97-0033.

Gulf Ocean Services, Inc.

East Cameron Block 205, OCS-G-22588, for Remington Oil & Gas Corporation in November 2002.

Remington Oil & Gas Corporation

Initial Development Operations Coordination Document

East Cameron Block 205 Lease OCS-G 22588

SECTION 9

THE COASTAL

ZONE MANAGEMENT

CONSISTENCY CERTIFICATION

COASTAL ZONE MANAGEMENT PROGRAM CONSISTENCY CERTIFICATION STATE OF LOUISIANA

COASTAL ZONE MANAGEMENT PROGRAM CONSISTENCY CERTIFICATION
East Cameron Block 205
(Area and Block)
OCS-G 22588
Lease
Remington has considered all of Louisiana's enforceable policies prior to making this consistency statement. The proposed activities described in detail in this proposed Plan comply with the enforceable policies of the State of Louisiana approved Coastal Management Program (s) and will be conducted in a manner consistent with such Program(s).
Remington Oil and Gas Corporation
Applicant
Doug Logan Oug Logan JV d Certifying Official
14-Apr-04 Date

Remington Oil & Gas Corporation

Initial Development Operations Coordination Document

> East Cameron Block 205 Lease OCS-G 22588

SECTION 10

OCS PLAN INFORMATION FORM

OMB Control Number: 1010-0049

OMB Approval Expires: August 31, 2006

OCS PLAN INFORMATION FORM

				-				Ge	neral	Inf	ormati	on	<u> </u>							
-	of OCS Pla	n:		Expl	oration Pla	an (EP))			1	X Dev	elor	pment Operation	ns Coordi	nation	Docu	ment (I	DOCD)		
Com	pany Name:		Remi	ngton Oil	& Gas Co	rp.				M			tor Number:				704			
Add	ress:		8201	Preston R	d., Ste 60	0				C	Contact Person: J. V. Delcambre									
	Dallas, Texas 75225-6211									Pl	Phone Number: 337-593-9420									
										E-	E-Mail Address: jv@regservicesinc.com									
Leas	Lease(s): OCS-G-22588 Area: EC Block(s):									: 2	Project Name (If Applicable): EC 205									
Obje	Objective(s): X Oil X Gas Sulphur Salt Onshore B										Car	meron, LA	Distance to	o Clos	est La	nd (Mi			65	
	<u></u>				Desc	riptio	n of I	ropo	osed A	ctiv	_	_	ark all that	apply)						
	Exploration drilling										Development drilling									
	Well compl	etion									_	In	stallation of pr	oduction p	latforn	1				
	Well test fla	ring (for m	ore than 48	3 hours)						\top_{x}	In	stallation of pr	oduction fa	cilitie	S	·			
	Installation	of cai	sson c	or platform	as well pr	rotectio	n struct	ture			 	In	stallation of sa	tellite struc	ture		-			
	Installation	of sub	sea w	ellheads a	nd/or man	ifolds					Х	C	ommence produ	uction				···		
	Installation	of lea	se terr	m pipeline	s					-		0	ther (Specify a	nd describe	;)	•				
Have	you submit	ted or	do yo	u plan to s	ubmit a C	onserva	ation In	format	tion Do	cume	ent to acc	com	pany this plan	y this plan? Yes					N	0
Do y	Do you propose to use new or unusual technology to conduct your activities?										Yes				Yes		N	0		
Do y	Do you propose any facility that will serve as a host facility for deepwater subsea de									develop	nen	nt?				Yes		N	0	
Do y	Do you propose any activities that may disturb an MMS-designated high-probability									ity archa	eol	ogical area?				Yes		N	0	
Have all of the surface locations of <i>your</i> proposed activities been previously reviewed and approved by MMS? X Yes No.									0											
,						Te	ntativ	e Scl	ıedule	of l	Propos	sed	Activities		-		_			
]	Proposed .	Activit	ty		22.				Start	Date		End	Date		No. a	f Days
Mod	ify Caisson	at EC	205									5/15/2004			5/19/2004			5		
Lay	pipeline fro	n EC	205 te	o SMI 24							5/17/2004				5/27/2004			11		
Com	mence Proc	ductio	n								6/1/2004				•••					
		Des	scrip	tion of l		Rig							Description	of Prod						
	Jackup				Drillship				x		aisson		·		↓		g platfo	rm		
	Gorilla Jack				Platform				x	`	ell prote				<u> </u>		tower			
	Semisubme				Submersi			_			xed plat					d tow				
	DP Semisul				Other (At	tach D	escripti	on)		_	ıbsea ma	mif	fold		1			on syste		
Drill	ing Rig Nam	e (If K	Cnow	n):	, <u> </u>					Sp	Spar				Other	(Atta	ich Des	scriptio	1)	
							Descr		_	_			ipelines							
	Fro	m (Fa	cility	/Area/Blo	ck)				To (Fac	cility.	ity/Area/Block)			Diameter (Inches)			i)	Len	gth (Feet)
n/a							n/a								n/a				n/a	
							<u> </u>													
							I										- 1			

MMS Form MMS-137 (August 2003 - Supersedes all previous editions of form MMS-137, which may not be used.)

Page 1 of 2

PUBLIC INFORMATION

OCS PLAN INFORMATION FORM (CONTINUED) \Box

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

			Proposed We	II/Struct	ure Location							
or Structu	re Name/Numb	er (If renam	ing well or structure, reference p	revious nar	ne):		Subsea Completion					
			Blk 205, "A" Platform (East Ca	ameron We	II No. 1 Caisson)							
Anchor Radius	(if applicable)	in feet:	1000'				Yes X No					
	Surface Loca	ation			Bottom-Hole Location (Fo	or Wells)						
Lease No.	OCS G	22588			ocs							
Area Name	East Cameron											
Block No.	1	05										
Blockline Departures (in feet)	N/S Departure		4169' F <u>S</u> L	•	N/S Departure:		F L					
(in leet)	E/W Departur	re:	6942' F <u>W</u> L		E/W Departure:							
Lambert X-Y coordinates	X:		1516458'		X:							
	Y:		24734'		Υ:	····						
Latitude/	Latitude		24734		Latitude							
Longitude			28° 43′ 33.34120″	Ì								
	Longitude				Longitude							
			92° 50′ <u>30.14030"</u>									
	TVD (Feet):			MD (I	Feet):	Wate	ater Depth (Feet):					
	<u> </u>						107'					
			Drilling Rig or Construct	tion Barg		oplied above, r						
Anchor Name or No.	Area	Block	X Coordinate		Y Coordinate		Length of Anchor Chain on Seafloor					
N/A			X=		Y=							
			X=		Υ=							
			X=		Y=							
			X=		Y=							
			X=		Υ=							
			X=		Υ=							
			Χ=		Υ=							
			Χ=		Y=							
	that MMS co		5 Statement: The Paperwo		ploration Plan or Develo ${f F}$	opment Operati	ons C					
					11/1.(RMA	TION					