

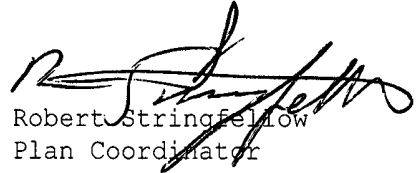
UNITED STATES GOVERNMENT  
MEMORANDUM

June 3, 2005

To: Public Information (MS 5034)  
From: Plan Coordinator, FO, Plans Section (MS 5231)  
Subject: Public Information copy of plan  
Control # - S-06697  
Type - Supplemental Development Operations Coordinations Document  
Lease(s) - OCS-G16244 Block - 196 East Cameron Area  
Operator - Energy Partners, Ltd.  
Description -  
Rig Type - Not Found

Attached is a copy of the subject plan.

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

  
Robert Stringfellow  
Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
WELL/A-2	G16244/EC/196	7705 FNL, 4380 FWL	G16244/EC/196

NOTED-SCHExNAILDRE

ISS JUN 6 05AM 10:03



CONTROL No. <u>5-6697</u>
REVIEWER: Robert Stringfellow
PHONE: (504) 736-2437

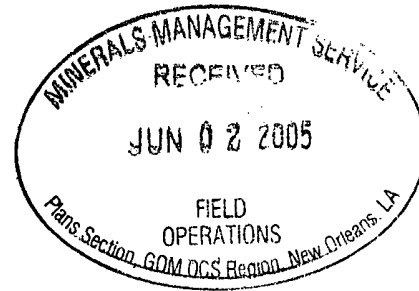
Karen W. Vanacor  
Regulatory Compliance Supervisor

201 St. Charles Ave.  
Suite 3400  
New Orleans, LA 70170-1026

Direct (504) 799-4822  
Fax (504) 799-4815  
KVanacor@EPLweb.com

June 1, 2005

Mr. Nick Wetzel  
Office of Field Operations  
U. S. Department of the Interior  
Minerals Management Service  
1201 Elmwood Park Boulevard  
New Orleans, LA 70123-2394



Supplemental Development Operations Coordination Document  
Lease OCS-G 16244, East Cameron Block 196  
OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

In accordance with the provisions of 30 CFR 250.203 and that certain Notice to Lessee, NTL No. 2003-G17, Energy Partners, Ltd. (EPL) herein submits for your approval and review eight copies of a Supplemental Development Operations Coordination Document. Five (5) copies are marked "Proprietary" and three (3) are marked "Public Information".

Excluded from the Public Information copies are certain geologic discussions, depth of wells and structure map.

EPL anticipates activities will commence under this proposed Initial Exploration Plan on approximately July 20, 2005.

Should you have questions or need additional information please contact the undersigned at (504) 799-4822.

Sincerely,

Karen W. Vanacor

Enclosures

**Public Information**

ENERGY PARTNERS, LTD.

**Supplemental Development  
Operations Coordination Document**

---

**Leases OCS-G 16244  
EAST CAMERON BLOCK 196**

**Company Contact  
Karen Vanacor  
Energy Partners, Ltd.  
201 St. Charles Ave., Suite 3400  
New Orleans, LA 70170-1026**

**Public Information**

**June 1, 2005**

# **East Cameron Block 196 OCS-G 16244**

## **TABLE OF CONTENTS**

<b>Appendix</b>	<b>Title</b>	<b>Page</b>
Appendix A	Contents of Plan	2
Appendix B	General Information	4
Appendix C	Geological, Geophysical and Hydrogen Sulfide H <sub>2</sub> S Information	7
Appendix D	Biological and Physical Information	9
Appendix E	Wastes and Discharges Information	10
Appendix F	Oil Spill Response and Chemical Information	14
Appendix G	Air Emissions Information	18
Appendix H	Environmental Impact Analysis	19
Appendix I	Coastal Zone Management Consistency Certification Information	20
Appendix J	OCS Plan Information Form	22

# Supplemental Development Operations Coordination Document

## EAST CAMERON BLOCK 196 OCS -G 16244

### Appendix "A"

#### A. CONTENTS OF PLAN

##### Description, Objective and Schedule

Mariner Energy acquired lease OCS-G 16244, East Cameron Block 196, at Lease Sale 157. Mariner drilled and subsequently abandoned well number 001. Hall-Houston subsequently became operator of the block and filed a Supplemental Exploration Plan (S-05403), which provided for the drilling and completing of wells "E" and "F". Hall Houston drilled and suspended well number 2 under plan S-05403. On August 2, 2001 Hall Houston filed an Initial DOCD (MMS Control No. N-07231) to install a platform over well #2 (renamed A-1), install a lease term pipeline and commence production from well A-1.

Energy Partners, Ltd. (EPL) acquired Hall Houston Oil Company. **EPL will drill and complete the remaining well "E" location (Well A-2) under plan S-05403 from its surface location on Platform "A".**

EPL submits this Supplemental DOCD to request approval produce location "E", or well A-2 on the "A" platform, East Cameron Block 196, OCS-G 16244. **This Supplemental plan is filed only to produce well A-2. No structures will be set and no pipelines will be installed.** The well, A-2, will flow from the existing "A" platform via a 6" lease term pipeline into Sea Robin existing 30" existing pipeline (Segment # 3321) and further to shore.

The activity schedule proposed for well "E" (A-2) is outlined below.

Proposed Activity	Estimated Start Date	Estimated Completion Date
Commence Production	July 20, 2005	

##### Production Facilities

No Production facilities are planned. The "E" location is to produce from an existing "A" Platform , EC 196, OCS-G 16244.

##### Location of Well

There are no new wells proposed under this plan. Well location plat, location "E", to be renamed A-2, are included as **Attachment A-1**

### **Description Of Drilling Unit**

Offshore exploratory 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, drillships, and drill barges.

The proposed well will be drilled and completed with a typical jack-up drilling rig, not a gorilla type rig, for operations proposed under this plan. 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 Notices to Lessees, and current policy making invoked by 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. Supervisory and certain designated personnel on-board the facilities are to be familiar with the effluent limitations and guidelines for overboard discharges into the receiving waters, as outlined in the NPDES General Permit GMG 290208. 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. Some of these measures include installation of curbs, gutters, drip pans, and drains on drilling deck areas to collect all contaminants and debris.

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

Y = 50,080.992

14,758.048'

185 184

197

1 (OCS-G 16244)

7,705'

196  
OCS-G 16244



4,380'

WELL 'E' (SL)

X = 1,543,412.192

Y = 42,375.992

LAT. = 28° 46' 31.382"N

LONG. = 92° 45' 29.939"W

WATER DEPTH = 100'

14,758.048'

X = 1,553,790.240

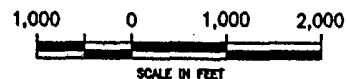
14,758.048'

14,758.048'

Y = 35,322.944

203

202



X, Y COORDINATES, IN FEET, AND BEARINGS AND DISTANCES ARE BASED ON THE LOUISIANA STATE PLANE COORDINATE SYSTEM (LAMBERT) SOUTH ZONE (NAD 27) CLARKE 1866.

Attachment A-1

Keith A. Lodd

PROPOSED WELL LOCATION

WELL 'E'

BLOCK 196  
EAST CAMERON AREA

OFFSHORE LOUISIANA

HALL-HOUSTON  
OIL COMPANY



KC OFFSHORE, L.L.C.  
A THOMSON-CSF RAGAL COMPANY

36499 PERKINS RD., PRAIRIEVILLE, LOUISIANA 70769

DRN. DLA PRFP. DIA CA

EC185

MARINER  
G-16244S05° 16' 53"W 299,085.99'  
From USC&GS Mon. "CON"

7,704.21'

O' 1  
ELF  
G-5379

4,378.99'

EC196

OCS-G-16244

HALL-HOUSTON OIL COMPANY

EC196 "A"

X=	1,543,411.18'
Y=	42,376.78'
Lat.	28° 46' 31.390"N
Lon.	92° 45' 29.951"W

GRID NORTH

EC203

**HALL-HOUSTON OIL COMPANY**

PLATFORM LOCATION

**OCS-G-16244**BLOCK 196  
EAST CAMERON AREA  
GULF OF MEXICO**JOHN E. CHANCE**  
& ASSOCIATES, INC.GEODETTIC DATUM: MAD 1927  
PROJECTION: LOUISIANA SOUTH  
GRID UNITS: US SURVEY FEETSCALE 0 2,000'  
IN FEET

Job No.: 00-3654

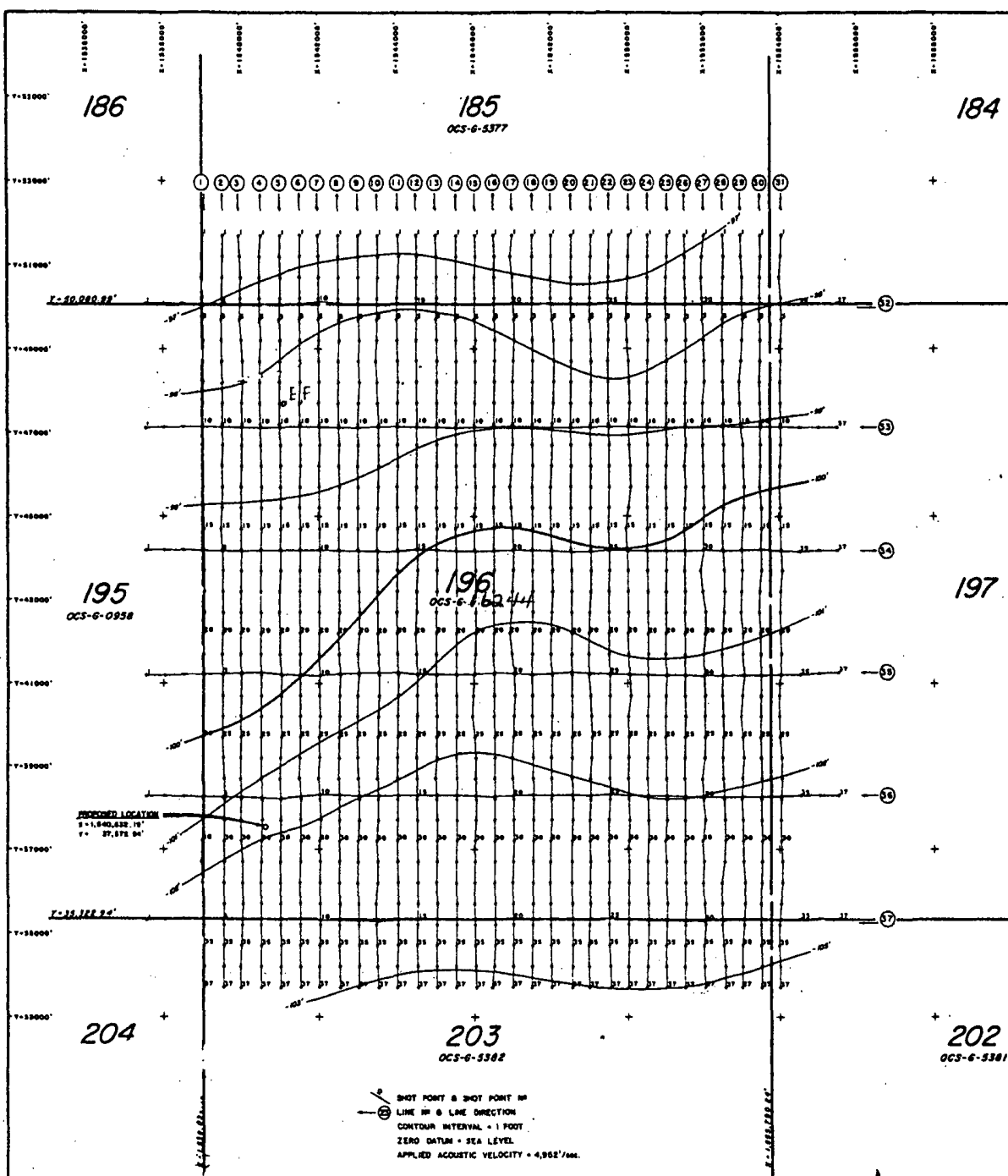
Date: 12/4/00

Drawn: VAG

Chart: 0f: 1 1

Dwg Title: O:\CDBASE\WPERMIT\LASOUTH\EC\PERMIT\196F2





BATHYMETRY MAP	
OCS-G-16244	
BLOCK 196	
EAST CAMERON AREA	
JOHN E. CHANCE & ASSOCIATES, INC.	DATE: MARCH 1958
HOUSTON, TEXAS	JOB NO. 000108
LAFAYETTE, LOUISIANA	SHEET NO. 1 of 3

JOHN E. CHANCE & ASSOC., INC.

NOTE: ALL FIELD DATA ACQUIRED FEBRUARY 12-16 & 19-17, 1958

27' 84"

## **Appendix "B"**

### **B. GENERAL INFORMATION**

#### **Contact Person**

EPL authorizes the following individual be contacted for any inquiries pertaining to this Plan:

Energy Partners, Ltd.  
Attention: Karen Vanacor  
201 St. Charles Ave., Suite 3400  
New Orleans, LA 70170-1026  
(504) 799-4822 e-mail address: kvanacor@eplweb.com

#### **Project Name**

EPL has not assigned a project name to this prospect.

#### **Production Rates and Reserve Life**

EPL estimates that the life of reserves from this plan will be approximately 3 years, with the combined production rates as follows:

<b>Product</b>	<b>Average Rates</b>	<b>Peak Rates</b>
Gas		
Condensate		

#### **New or Unusual Technology**

EPL does not propose utilizing any new or unusual techniques or technology during the proposed operations.

#### **Bonding**

In accordance with the provisions contained in 30 CFR 256, Subpart I, EPL has on file with the Minerals Management Service a \$3,000,000 area-wide development bond.

Additionally, NTL 98-18N addresses how MMS has the authority to require additional security to cover full plugging, site clearance and other associated lease liabilities, which may be in excess of the general lease surety bonds. These activities are reviewed on a case-by-case basis, and, if deemed warranted; Minerals Management Service will provide such notification to EPL. EPL is on the exempt list for supplemental bonding.

#### **Onshore Support Base and Support Vessels**

East Cameron Block 196 (surface location) is located approximately 66 statute miles from the nearest Louisiana shoreline, and approximately 92 miles from the onshore support base is located in Cameron, Louisiana. The onshore facilities located in Cameron, Louisiana, 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 drilling and completion activities are as

follows:

Support Vessel	Drilling and Completion Trips Per Week	Production Trips Per Week
Crew Boat	4	0
Supply Boat	2	1
Helicopter	2	0

Personal vehicles will be the main means of transportation to carry rig personnel from various locations to the staging areas. They will then be transported to the MODU by the crew boat. A helicopter will be used to transport small supplies and, on occasion, personnel. The most practical, direct route permitted by the weather and traffic conditions will be utilized.

The boats will normally move to East Cameron Block 196 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.

A Vicinity Plat showing the surface location of East Cameron relative to the shoreline and base is included as **Attachment B-1**.

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 Supplemental Development Operations Coordination Document.

#### **Lease Stipulations**

Oil and gas exploration and development activities on the OCS have the potential for causing adverse environmental impacts; therefore, special stipulations may be attached to the lease instrument, as necessary, in the form of additional mitigating measures. The MMS is responsible for ensuring full compliance with stipulations appended to leases. Energy Partners, Ltd. acknowledges that Lease OCS-G 16244, East Cameron Block 196, contains Lease Stipulation No. 1 – Archeological Resources and EPL will adhere to the requirements while conducting operations in EC 196. EPL will operate in accordance with NTL 2003-G10 to minimize the risk of vessel strikes to protected species and report observations of injured or dead protected species and NTL 2003-G11 to prevent intentional and/or accidental introduction of debris into the marine environment.

#### **Military Warning Area (MWA)**

East Cameron Block 196 is located within designated W-59. The Naval Air Station will be contacted in order to coordinate and control the electromagnetic emissions during the proposed operations.

#### **Archaeology Survey Blocks**

East Cameron Block 196 is designated as having a high potential for prehistoric and low potential for historic cultural resources. An Archaeological Survey has been provided the Minerals Management Service. Since EPL will produce from an existing platform it is highly unlikely that such a discovery will be found; however, EPL as a prudent operator agrees that if any archaeological resource is discovered while conducting operations that they will immediately halt operations within the area of the discovery and report the discovery to the Regional Director.

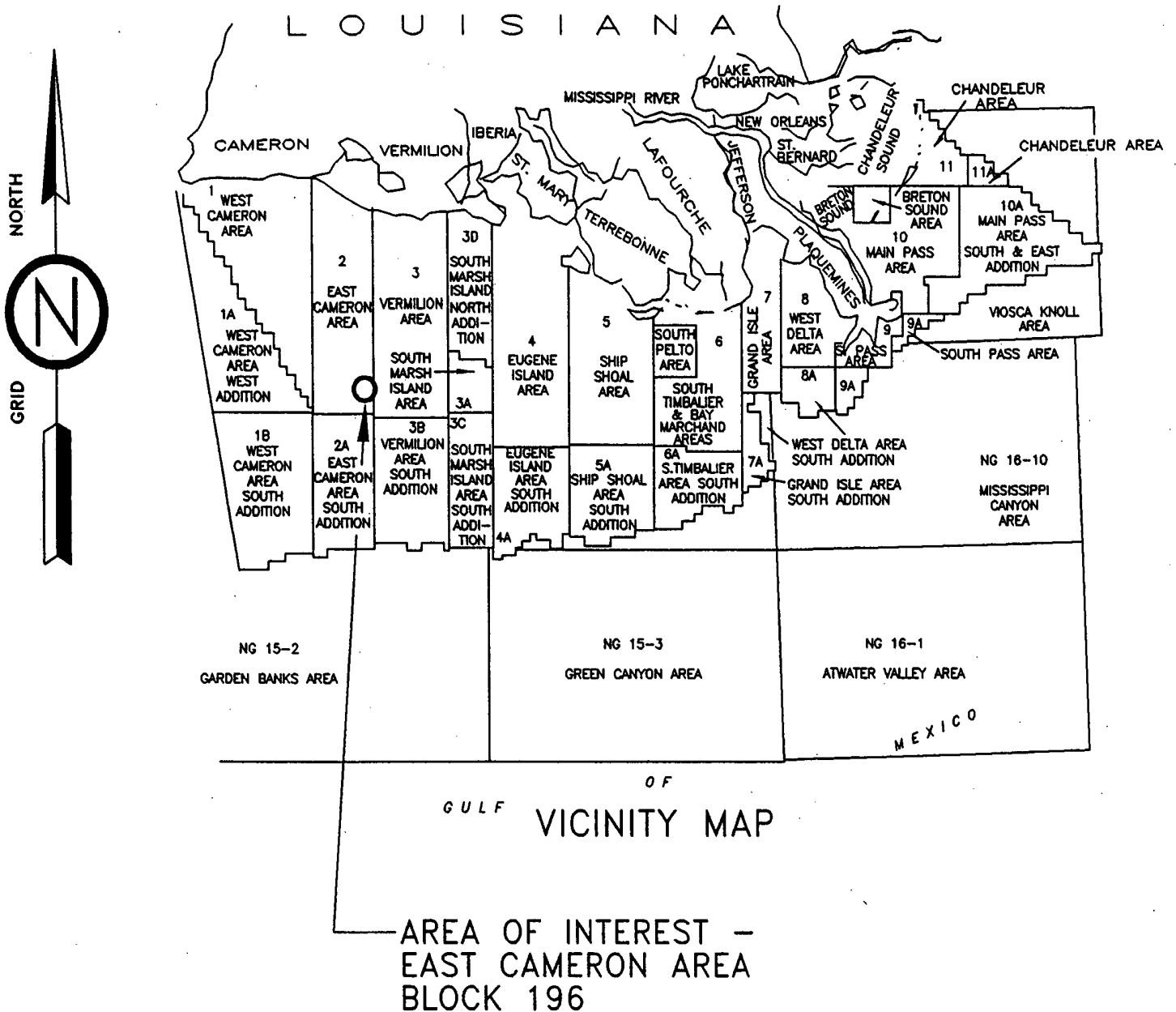
If investigations determine that the resource is significant, the Regional Director will inform the lessee how to protect it.

**General Information**

Anticipated flow rates and shut in times for the pipeline are as follows:

<b>Origination Point</b>	<b>Flow Rates</b>	<b>Shut In Time</b>
East Cameron Block 196		

LOUISIANA GULF COAST INDEX  
M.M.S. O.C.S. LEASING AREAS



ATTACHMENT B-1

BLOCK 196  
EAST CAMERON AREA

OFFSHORE LOUISIANA

HALL-HOUSTON  
OIL COMPANY



KC OFFSHORE, L.L.C.  
A THOMSON-CSF RACAL COMPANY

36499 PERKINS RD., PRAIRIEVILLE, LOUISIANA 70769

DRN. DLA	PREP. DLA	CAL	APP. KAC	FILE NO.	55-00-320
CHK. KAC	CHK. KAC	CHK.	DATE 9/28/2000	FIG. NO.	

## **Appendix "C"**

### **C. GEOLOGICAL AND GEOPHYSICAL**

#### **Structure Contour Maps**

Attached as C-1 and C-2

#### **Seismic Lines**

Not Applicable To This Plan

#### **Geological Structure Cross-Sections**

Operations will be conducted from an existing surface location (Platform "A", East Cameron Block 196, OCS-G 16244).

#### **Shallow Hazards Report**

Operations will be conducted from an existing surface location, East Cameron Block 196, OCS-G 16244. Accordingly, a shallow hazards analysis is not required for the proposed activity.

#### **Shallow Hazard Assessment**

The proposed operations will be conducted from an existing surface location under a previously approved EP (Control Number N-07231); therefore a shallow hazard assessment is not required.

#### **Archaeological Resources**

Lease(s) OCS-G 16244 fall inside the demarcation line for a high probability area for archaeological sensitive lease blocks. No prehistoric archaeological features will be disturbed by the proposed operations either to prehistoric or historic shipwreck. However, EPL as a prudent operator, agrees that if any archaeological resource is discovered while conducting operations that they will immediately halt operations within the area of the discovery and report the discovery to the Regional Director. If investigations determine that the resource is significant, the Regional Director will inform the lessee how to protect it.

#### **High Resolution Seismic Lines**

The proposed operation will be conducted from a previously approved surface location as provided in a previously approved Exploration Plan (S-05403) therefore, no shallow hazards and/or deep seismic lines are required for the proposed activity.

**Stratigraphic Column**

Not required for this Plan.

**Time vs. Depth**

Not required for this plan.

**Hydrogen Sulfide**

The MMS has determined that the surface location of East Cameron Block 196, OCS-G 16244, has been determined to be H<sub>2</sub>S absent. Refer to MMS Control Number S05403.

## **Appendix "D"**

### **D. BIOLOGICAL INFORMATION**

#### **Chemosynthetic Information**

Not Applicable due to water depth being less than 1312'; accordingly, this part of the section is not applicable.

#### **Topographic Features**

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 is not applicable to the activities proposed in this plan.

#### **Pinnacle Trend**

The proposed activities in this plan are not affected by the Live Bottom (pinnacle trends) Lease Stipulation.



## **Appendix "E"**

### **E. WASTES AND DISCHARGES INFORMATION**

All discharges associated with drilling and potentially completing the well in this plan will be in accordance with regulations implemented by Minerals Management Service (MMS), U.S. Environmental Protection Agency (EPA) and the U.S. Coast Guard (USCG).

#### **Minerals Management Service**

NTL 98-14 advises operators to exercise caution in the handling and disposal of small items and packaging materials and to develop a disposal plan for the proper control and disposal of this type of refuse.

Regulations at 30 CFR 250.300 prohibit the deliberate discharge of equipment, cables, chains, containers, or other materials offshore. These regulations require an operator mark all portable equipment, spools or reels, drums, pallets and other loose items weighing 18 kg or more prior to transport offshore. Smaller items must be stored in a marked container. In addition, operators are required to install curbs, gutters, drip pans, and drains on rig deck areas and platforms to collect debris not authorized for discharge.

#### **U.S. Coast Guard**

All ships and watercraft are prohibited from dumping plastics at sea. The marine supply vessels that service this location will be equipped with sewage treatment facilities. Victual matter or organic food wastes are allowed to be ground up into small pieces and disposed overboard from manned structures located more than 20 km from shore. E&P wastes and trash generated at this location will be disposed according to USCG regulations.

#### **Environmental Protection Agency**

It is not expected that any liquid or solid wastes, or pollutants will be generated by offshore, onshore or transportation-related operations with the following exceptions: the discharge of wastewater resulting from offshore activities includes deck drainage, solid wastes (i.e. sanitary and domestic wastes), and miscellaneous discharges (i.e., desalinization unit discharge, blowout preventor fluid, uncontaminated ballast water, uncontaminated bilge, uncontaminated freshwater, mud, cuttings and cement at seafloor, uncontaminated seawater, boiler blowdown, source water and sand, diatomaceous earth filter media, excess cement slurry). Deck drainage will consist of all waste resulting from rainfall, rig/platform washing, deck washings, tank cleaning operations, and runoff from curbs and gutters, including drip pans and work areas with an estimated volume range of 0 to 200 bbls/day. Sanitary and domestic wastes will be processed on the rig and the resulting effluent will be discharged into the Gulf with an estimated maximum of 2900 gallons/day flow, depending on the number of inhabitants. Cooling water is defined by the U.S. Environmental Protection Agency as "non-contact" water used for cooling machinery, and desalinization discharges are those wastes resulting from the creation of freshwater from seawater. These discharges are regulated by the U.S. Environmental Protection Agency through the National Pollutant Discharge Elimination System (NPDES) General Permit GMG290208. Discharges will contain no free oil and will be in compliance with and monitored as required by the permit.

### **Drill Cuttings**

Not applicable in this plan.

### **Sanitary Waste**

Under this plan for producing well A-2, no sanitary waste will be discharged. East Cameron Block 196 "A" Platform is unmanned.

### **Minerals Management Service**

NTL 98-14 advises operators to exercise caution in the handling and disposal of small items and packaging materials and to develop a disposal plan for the proper control and disposal of this type of refuse.

Regulations at 30 CFR 250.300 prohibit the deliberate discharge of equipment, cables, chains, containers, or other materials offshore. These regulations require an operator mark all portable equipment, spools or reels, drums, pallets and other loose items weighing 18 kg or more prior to transport offshore. Smaller items must be stored in a marked container. In addition, operators are required to install curbs, gutters, drip pans, and drains on rig deck areas and platforms to collect debris not authorized for discharge.

### **Table of Disposed Waste**

Energy Partners, Ltd. will manifest wastes prior to offloading and being transported to shore for disposal at Newpark, located in Lafayette, Louisiana. Energy Partners, Ltd. will obtain the necessary approvals and perform record keeping and reporting with all applicable State of Louisiana regulations. **Attachment E-1** Table 1 describes those wastes that would typically be discharged into OCS waters and **Attachment E-2** Table 2 wastes that ultimately are sent to shore for disposal.

## ATTACHMENT E-1

**TABLE-1 – DISCHARGES TABLE (WASTES TO BE DISCHARGED OVERBOARD)**

<b>Type of Waste Approximate Composition</b>	<b>Amount to be Discharged (volume or rate)</b>	<b>Maximum Discharge Rate</b>	<b>Treatment and/or Storage, Discharge Location*, and Discharge Method</b>
Water-based drilling fluids	7,800 bbls/well	200 bbl/hr	EC 196 Shunt through downpipe to 40 feet above the mud line.
Drill cuttings associated with water-based fluids	2,000 bbls/well	1,000 bbl/hr	EC 196 Shunt through downpipe to 40 feet above the mud line.
Muds, cuttings and cement at the seafloor	Gel – 5,000 bbl WBM – 8,000 bbl Cuttings – 20,000 bbl Seawater and caustic – 4,800 bbl	Not applicable	EC 196 Discharged at seafloor.
Sanitary wastes	20 gals/person/day	Not applicable	EC 196 Chlorinate and discharge.
Domestic wastes	30 gals/person/day	Not applicable	EC 196 Remove floating solids and discharge.
Deck drainage	0-4,000 bbls/day Dependent upon rainfall	15 bbl per hour (maximum separator discharge)	EC 196 Treat for oil and grease and discharge.
Well treatment, workover or completion fluids	Workover – 300 bbls/well Treatment – 250 bbl/well Completion – 300 bbl/well	200 bbls/well/every 4 years	EC 196 Discharge used fluids overboard; return excess to shore for credit.
Uncontaminated fresh and seawater	37,000 bbl (drilling)	Non applicable	EC 196 Discharged overboard.
Desalinization Unit water	700 bbls/day	Not applicable	EC 196 Discharged overboard.
Uncontaminated bilge water	2,000 bbl	260 m <sup>3</sup> /hr	EC 196 Discharged overboard.
Uncontaminated ballast water	20,000 bbl	2,600 m <sup>3</sup> /hr	EC 196 Discharged overboard.
Misc discharges to which treatment chemicals have been added	100 bbl/day	10 bbl/hr	EC 196 Discharged overboard.
Miscellaneous discharges (permitted under NPDES) (Excess cement with cement chemicals)	100 bbl	Not applicable	EC 196 Discharged at seafloor without treatment

\* Area, block, MMS facility ID (if available)

## ATTACHMENT E-2

**TABLE 2 – DISPOSAL TABLE (WASTES TO BE DISPOSED OF, NOT DISCHARGED)**

<b>Type of Waste Approximate Composition</b>	<b>Amount *</b>	<b>Rate per Day</b>	<b>Name/Location of Disposal Facility</b>	<b>Treatment and/or Storage, Transport and disposal Method</b>
Norm-contaminated wastes	1 ton	Not applicable	Cameron, LA	Transport to a transfer station via dedicated barge
Trash and debris	1000 Ft <sup>3</sup>	3 ft <sup>3</sup> /day	Cameron, LA	Transport in storage bins on crewboat to a landfill

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

## Appendix "F"

### F. OIL SPILL RESPONSE AND CHEMICAL INFORMATION

#### Oil Spill Response Plan Information

Energy Partners, Ltd. (EPL) is covered in the Regional Oil Spill Response Plan (OSRP). The annual update of the OSRP was submitted for approval on September 30, 2004 and was approved on October 8, 2004. The worst-case certification was included in the update. The Regional OSRP will cover activities proposed in this Supplemental DOCD.

#### OSRO Information

EPL'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. In the event of a spill, mechanical response equipment located in CGA's bases located in Galveston, Texas; and Lake Charles and Houma, Louisiana, would be transported to a staging area in Fourchon, Louisiana.

#### Worst Case Discharge Scenario Comparison

The Worst Case Discharge (WCD) proposed in this DOCD does not supercede the WCD as approved in the Regional OSRP. If our evaluation reveals that this WCD does in fact have the potential of having more adverse impact than our currently identified WCD in our existing Regional OSRP, EPL will amend the Regional OSRP as required. Activities proposed in this DOCD are considered far-shore (greater than 10 miles from the shoreline). The WCD scenario from the proposed activities in this Joint Initial/Supplemental DOCD and the WCD in the Regional OSRP on file with the MMS are compared below.

Category	Regional OSRP Worst Case Discharge	DOCD Worst Case Discharge (Far Shore)
Type of Activity (1)		
Spill Location (Area/Block)		
Facility Designation (2)		
Distance to Nearest Shoreline (miles)		
Volume (3)		
Type of oil (crude, condensate, diesel)		
API Gravity (4)		

"Since EPL has the capability to respond to the worst-case spill scenario included in its regional OSRP, approved on September 30, 2004, and since the worst case scenario determined for this DOCD, does not replace the worst case scenario in our regional OSRP, I hereby certify that Energy Partners, Ltd. 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 this supplemental DOCD".

## Spill Response Sites

### SPILL RESPONSE DISCUSSION FOR NEPA ANALYSIS

Description of Response Equipment; Description of Personnel, Materials and Support Vessels; Description of Oil Storage, Transfer and Disposal Equipment \*.

\* See Section 14, 15, 16 and Appendix E and F of EPL's OSRP approved January 14, 2003.

Vessels are to be provided by EPL. Workboats under contract will be used. In the event of a spill, the fast response unit that is in Houma, LA will be assembled and loaded onto a workboat in Cameron, LA. Vessel procurement and assembly of unit will take approximately 2 hours. It will take approximately 3 hours to round up a crew from various areas. All operations will be conducted simultaneously. Vessel travel time from Cameron, LA to East Cameron Block 196 is approximately hours\*.

Initial Response – Fast Response Unit from Cameron, LA to EC 196

Procurement	2.0 hours
Waiting on crew	1.0 hours
Loading time	1.5 hours
Travel to VR 237	9.0 hours
Deployment time	<u>1.0 hours</u>
Estimated Total Response Time	17.5 hours

As per 30 CFR 254.26(d)(2)(vi)(e)(2), discussion of range of environmental conditions anticipated and the capabilities of response equipment to worst case discharge scenario during adverse weather conditions, please see table below:

**Operational Limitations of Response Equipment**

MSRC OSRV	8 foot seas
Hoss Barge	7 foot seas
FRU	4 foot seas
Expandi Boom	6 foot seas, 20 knot winds
Dispersants	Winds more than 25 knots, visibility less than 3 nautical miles, or ceiling less than 1000 feet

### Facility Tanks, Production Vessels

The following table details the **tanks** (capacity greater than 25 bbls. or more) to be used to support the proposed activities:

Type of Storage Tank	Type of Facility	Tank Capacity (bbls)	Number of Tanks	Total Capacity (bbls)	Fluid Gravity (API)
Fuel Oil	Production	650	13	8450	33 Degrees

## Spill Response Sites

The following table details the information of spill response equipment and staging areas to be utilized in the event of a spill. :

Primary Response Equipment Location	Preplanned Staging Locations(s)
Intracoastal City, Louisiana	Houma, Louisiana

### **Diesel Oil Supply Vessels**

The following table details the vessels to be used for purposes:

Size of Fuel Supply Vessel	Capacity of Fuel Supply Vessel	Frequency of Fuel Transfers	Route Fuel Supply Vessel Will Take
180 feet	1500 bbls	As Needed	From Cameron shorebase to EC 196 and onto other fields in vicinity

### **Support Vessel Fuel Tanks**

The following table details the vessel and fuel tanks on supply, service and/or crew vessels to be used to support the proposed activities:

Type of Vessel	Number in Field Simultaneously	Estimated Maximum Fuel Tank Capacity (bbls)
Supply Vessels	1	500
Crew Vessels	1	500

### **Produced Liquid Hydrocarbon Transportation Vessels**

EPL is proposing to transport the produced liquid hydrocarbons via previously installed pipelines; therefore this section of the Plan is not applicable.

### **Oil and Synthetic-Based Drilling Fluids**

EPL will use either oil-based or synthetic based fluids for the proposed drilling activities as detailed in the following table.

Type of Drilling Fluid	Est. Volume of Mud Used Per Well	Mud Disposal Method	Est Volume of Cutting Generated Per well	Cuttings Disposal Method
Oil-Base	500 BBLS	Onshore Disposal	1000 BBLS	Onshore Disposal
Synthetic Base	20000 BBLS	Recycle	18000 BBLS	Discharge

### **Oil Characteristics**

The chemical and physical characteristics of the oils that will be potentially handled, stored, or transported on/by the facility is not requested by the Minerals Management Service or the Louisiana Coastal Zone Management Agency for the activities proposed in this Plan.

### **Blowout Scenario**

The producible well proposed in this Plan was drilled using a typical structural, conductor, surface and production casing program. The objective sand was perforated and production tubing with associated packers and downhole safety devices installed and tested. In the event of an uncontrolled blowout from the EC 196 "A" structure, EPL would anticipate an initial rate of approximately \_\_\_\_\_ and \_\_\_\_\_ with a gravity of \_\_\_\_\_. There will be minimal equipment on this structure, with liquid hydrocarbon storage/processing capacity of approximately 250 barrels. Based on analog reservoir characteristics, EPL

would estimate the well bridging over in approximately three (3) days. If necessary, EPL would utilize a similar rig in the area to drill a relief well. Estimated time for procuring another rig is seven (7) days.

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

### **Spill Response Sites**

The following location will be used in the event an oil spill occurs as a result of the proposed activity:

<b>Primary Response Equipment Location</b>	<b>Pre-Planned Staging Location</b>
Intracoastal City, Louisiana	Houma, Louisiana

### **Spill Discussion for NEPA Analysis**

In the event of an uncontrolled spill release resulting from the activities proposed in this Plan, EPL's Person-In-Charge for EC 196 Platform "A" or the Shorebase Dispatcher would most likely be the initial individuals to contact the Qualified Individual (QI) on our Spill Management Team (SMT) detailed in the Regional OSRP. The QI would immediately activate the SMT to ascertain the severity of the spill incident. EPL's SMT Incident Command Center is located at O'Brien's Oil Pollution Services office in Slidell, Louisiana.

Dependent upon the severity of the spill incident, a trajectory analysis would be conducted utilizing the MMS Oil Spill Risk Analysis Model (OSRAM) as referenced in our approved Regional OSRP. This trajectory would provide the required information on percentage and timing of potential impact to the shoreline impact areas. The SMT would then identify the areas of sensitivities at potential landfall segment(s), so additional planning may be conducted for shoreline protection strategies. If surveillance indicates a potential threat to shoreline; the appropriate equipment and personnel would be deployed, as outlined in our Regional OSRP.

An overflight may be conducted to determine the extent and dissipation rate of the spill, with potential sampling of the spill release. Mechanical recovery equipment may also be dispatched to the leading edge of the spill, as outlined in our Regional OSRP. If additional offshore response is required, the SMT would initiate the Dispersant Use Plan of the Regional OSRP and utilize the services of Airborne Support Inc.'s aircraft and personnel.

### **Pollution Prevention Measures**

As indicated in the volumes noted above, EPL does not anticipate a potential for initiating additional safety, pollution prevention and/or early spill detection measures beyond those already required by Title 30 CFR Part 250.

### **FGBNMS Monitoring Plans**

Not applicable. Activities proposed in this Plan will not affect the Flower Garden Banks National Marine Sanctuary.



## **Appendix "G"**

### **G. AIR EMISSIONS INFORMATION**

The potential degrading effects on air quality from onshore and offshore operational activities are platform emissions, development drilling activities; service vessel operations; evaporation of volatile hydrocarbons from surface oil slicks; and fugitive emissions during hydrocarbon venting and offloading.

Emissions of pollutants into the atmosphere from these proposed activities are likely to have a minimum impact on offshore air quality because of prevailing atmospheric conditions, emission heights, pollutant concentrations, and distance from shore. Onshore impact on air quality from OCS activities emissions is estimated to be negligible because of the atmospheric regime, the emission rates, and the distance of these emissions from the coastline. There will be days of low mixing heights and wind speeds that could increase impact levels. These conditions are characterized by fog formation, which in the Gulf occurs about 35 days a year, mostly during winter months. The impact from these conditions is reduced in winter because the onshore winds have the smallest frequency (37%) and rain removal is greatest. Summer is the worst time, with onshore winds having a frequency of 61%. Emissions of pollutants into the atmosphere are expected to have concentrations that would not change the onshore air quality classifications. Primary air pollutants associated with OCS activities are nitrogen oxides, carbon monoxide, sulphur oxides, volatile organic compound, and suspended particulate.

An Air Emissions Report is included as **Attachment G-1**.

<b>Type of Rig</b>	<b>Max HP</b>
Drillship	61,800
DP Semisubmersible	61,200
Semisubmersible	26,400
Submersible	6,064
Jack-Up	16,975
Platform/Barge	6,635

**EPL will utilize a typical jack up rig and not a "gorilla type rig"**

Air Emissions Information (If any of these answers are "yes" – the spreadsheets need to be submitted)

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

# DOCD AIR QUALITY SCREENING CHECKLIST

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

COMPANY	Energy Partners, Ltd.
AREA	East Cameron Block 196
BLOCK	196
LEASE	OCS-G 16244
PLATFORM	"A"
WELL	A-2
COMPANY CONTACT	Karen W. Vanacor
TELEPHONE NO.	(504) 799-4822
REMARKS	Produce well A-2

LEASE TERM PIPELINE CONSTRUCTION INFORMATION:		
YEAR	NUMBER OF PIPELINES	TOTAL NUMBER OF CONSTRUCTION DAYS
2005		No Lease Term or ROW Pipelines
2006		
2007		
2008		
2009		
2010		

Attachment G-1

# AIR EMISSION CUMPUTATION FACTORS

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

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

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

# AIR EMISSION CALCULATIONS

OMB Control No. 1010-0049

OMB Approval Expires: August 31, 2006

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Energy Partners	East Cameron Block 1	196	OCS-G 16244	"A"	A-2
Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2005	0.29	1.34	10.07	1.29	2.20
2006	0.64	2.95	22.11	2.85	4.83
2007	0.64	2.95	22.11	2.85	4.83
2008	0.64	2.95	22.11	2.85	4.83
2009	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00
2012	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00
Allowable	2197.80	2197.80	2197.80	2197.80	55527.51

**AIR EMISSION CALCULATIONS - FIRST YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS							
Energy Partners, Ltd.	East Cameron	196	OCS G 16244	"A"	A-2		Karen W. Vanacor	799-4822	Produce Well A-2							
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 & COMPLETE	PRIME MOVER>600hp diesel	16975	819.8925	19677.42			11.96	54.89	411.29	12.34	89.74	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			1.46	6.68	50.03	1.50	10.92	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	2065	99.7395	2393.75			1.46	6.68	50.03	1.50	10.92	0.00	0.00	0.00	0.00	0.00
VESSELS>600hp diesel(tugs)	4400	212.52	5100.48			3.10	14.23	106.61	3.20	23.26	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			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	4600	222.18	5332.32			3.24	14.87	111.45	3.34	24.32	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	2600	125.58	3013.92			1.83	8.41	63.00	1.89	13.74	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	2600	125.58	3013.92			1.83	8.41	63.00	1.89	13.74	0.00	0.00	0.00	0.00	0.00
PRODUCTION	RECIP.<600hp diesel	300	14.49	347.76			0.66	0.97	9.25	0.74	2.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	600	28.98	695.52			0.42	1.94	14.54	0.44	3.17	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2065	99.7395	2393.75	18	23	1.46	6.68	50.03	1.50	10.92	0.29	1.34	10.07	0.30	2.20
	TURBINE nat gas	0	0	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				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle lean nat gas	631	4507.233	108173.59				0.00	16.40	1.00	2.22		0.00	0.00	0.00	0.00
	RECIP.4 cycle rich nat gas	0	0	0.00				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	3	2857.14	68571.43			0.02	0.00	0.29	0.02	0.24	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		
	GLYCOL STILL VENT-		0	1000.0		164				0.50				0.98		
						0	0			0.00				0.00		
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2005 YEAR TOTAL							27.45	123.75	945.92	29.86	205.19	0.29	1.34	10.07	1.29	2.20
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											2197.80	2197.80	2197.80	2197.80	55527.51
	66.0															

**AIR EMISSIONS CALCULATIONS - SECOND YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS							
Energy Partners, Ltd.	East Cameron	196	16244	"A"	A-2		Karen W. Vanacor		799-4822	Produce Well A-2							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
VESSELS>600hp diesel(tugs)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PRODUCTION	RECIP.<600hp diesel	300	14.49	347.76			0.66	0.97	9.25	0.74	2.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.>600hp diesel	600	28.98	695.52			0.42	1.94	14.54	0.44	3.17	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	2065	99.7395	2393.75	17	52	1.46	6.68	50.03	1.50	10.92	0.64	2.95	22.11	0.66	4.83	
	TURBINE nat gas	0	0	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				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 4 cycle lean nat gas	631	4507.233	108173.59				0.00	16.40	1.00	2.22		0.00	0.00	0.00	0.00	
	RECIP 4 cycle rich nat gas	0	0	0.00				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	3	2857.14	68571.43			0.02	0.00	0.29	0.02	0.24	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							
	FUGITIVES-			1000.0		365				0.50				2.19			
	GLYCOL STILL VENT-		0		0	0				0.00				0.00			
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2006 YEAR TOTAL							2.56	9.59	90.51	4.19	18.55	0.64	2.95	22.11	2.85	4.83	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											2197.80	2197.80	2197.80	2197.80	55527.51	
	66.0																

**AIR EMISSIONS CALCULATIONS - THIRD YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS								
Energy Partners, Ltd.	East Cameron	196	OCS-G 16244	"A"	A-2	Karen W. Vanacor	(504) 799-4822	Produce well A-2								
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(tugs)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PRODUCTION	RECIP.<600hp diesel	300	14.49	347.76			0.66	0.97	9.25	0.74	2.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	600	28.98	695.52			0.42	1.94	14.54	0.44	3.17	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2065	99.7395	2393.75	17	52	1.46	6.68	50.03	1.50	10.92	0.64	2.95	22.11	0.66	4.83
	TURBINE nat gas	0	0	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				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle lean nat gas	631	4507.233	108173.59				0.00	16.40	1.00	2.22		0.00	0.00	0.00	0.00
	RECIP.4 cycle rich nat gas	0	0	0.00				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	3	2857.14	68571.43			0.02	0.00	0.29	0.02	0.24	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00					0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		
	FUGITIVES-			1000.0		365				0.50				2.19		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2007 YEAR TOTAL							2.56	9.59	90.51	4.19	18.55	0.64	2.95	22.11	2.85	4.83
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											2197.80	2197.80	2197.80	2197.80	55527.51
	66.0															

**AIR EMISSIONS CALCULATIONS - FOURTH YEAR**

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS							
Energy Partners, LTd.	East Cameron	196	OCS-G 16244	"A"	A-2		Karen W. Vanacor	(504) 799-4822	Produce Well A-2								
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(tugs)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PRODUCTION	RECIP.<600hp diesel	300	14.49	347.76			0.66	0.97	9.25	0.74	2.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.>600hp diesel	600	28.98	695.52			0.42	1.94	14.54	0.44	3.17	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	2065	99.7395	2393.75	17	52	1.46	6.68	50.03	1.50	10.92	0.64	2.95	22.11	0.66	4.83	
	TURBINE nat gas	0	0	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				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP.4 cycle lean nat gas	631	4507.233	108173.59				0.00	16.40	1.00	2.22		0.00	0.00	0.00	0.00	
	RECIP.4 cycle rich nat gas	0	0	0.00				0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	3	2857.14	68571.43			0.02	0.00	0.29	0.02	0.24	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00					0.00		
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-		0		0	0				0.00				0.00			
	FUGITIVES-			1000.0		365				0.50				2.19			
	GLYCOL STILL VENT-		0		0	0				0.00				0.00			
	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2008 YEAR TOTAL							2.56	9.59	90.51	4.19	18.55	0.64	2.95	22.11	2.85	4.83	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											2197.80	2197.80	2197.80	2197.80	55527.51	
	66.0																



## **Appendix “H”**

### **H. ENVIRONMENTAL IMPACT ANALYSIS**

An Environmental Impact Analysis is required for this Supplemental DOCD and is included in this plan as **Attachment H-1**.

## Appendix H Environmental Impact Analysis

### (A) Impact-producing factors (IPF's)

The worksheet provided by MMS below was utilized to identify the environmental resources that could be impacted by these IPF's. We placed an "X" in the space under each IPF category associated with the proposed activities that we determined may impact a particular environmental resource. For those cells which are footnoted, a statement has been provided below the table as to the applicability to the proposed operations and where there may be any effect, an analysis of the effect is provided.

### ENVIRONMENTAL IMPACT ANALYSIS WORKSHEET

Impact Producing Factors (IPF's) Categories and Examples  
Refer to a recent GOM OCS Lease Sale EIS for a more complete list of IPF's

Environmental Resources	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 IPF's you identify
<b>Site-specific at Offshore Location</b>						
Designated topographic features						
Pinnacle Trend area live bottoms						
Eastern Gulf live bottoms						
Chemosynthetic communities						
Water quality		X			X	
Fisheries					X	
Marine mammals	X				X	
Sea turtles	X				X	
Air quality	X					
Shipwreck sites (known or potential)						
Prehistoric archaeological sites						
<b>Vicinity of Offshore Location</b>						
Essential fish habitat					X	
Marine and pelagic birds					X	
Public health and safety						
<b>Coastal and Onshore</b>						
Beaches					X	
Wetlands					X	
Shore birds and coastal nesting birds					X	
Coastal wildlife refuges					X	
Wilderness area					X	
<b>Other Resources You Identify</b>						

## 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 an OCS lease block protected through the Live Bottom (Pinnacle Trend) Stipulation attached to an OCS lease.
3. Activities within any eastern Gulf OCS block where seafloor habitats are protected by the Live Bottom (Low-Relief) Stipulation attached to an OCS lease.
4. Activities on blocks designated by the MMS as being in water depths 400 meters or greater.
5. Exploration or production activities where H<sub>2</sub>S concentrations greater than 500 ppm might be encountered.
6. All activities that could result in an accidental spill of produced liquid hydrocarbons or diesel fuel that 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 of Block 196, East Cameron Area OCS-G 16244**

#### **1. Designated topographic features**

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities that could cause impacts to topographic features. The offshore location of the proposed activity is approximately 36 miles away from the closest designated topographic feature (Sonnier Bank). The proposed activities are not in the proximity of any submarine bank (500 ft buffer zone) with relief greater than 2 meters.

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 10m, 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 banks by currents moving around the banks. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

#### **2. Pinnacle trend area live bottoms**

There are no IPF's (including effluents, physical disturbances to the seafloor, and accidents) from the proposed activities that could cause impacts to pinnacle trend area live bottoms. The offshore location of the proposed activity is approximately 2600 miles away from the closest pinnacle trend live bottom stipulated block.

It is unlikely that an accidental surface or subsurface oil spill would occur from the proposed activities. Any surface oil spill resulting from the proposed action would likely have no impact on the biota of the pinnacle trend because the crests of these features are much deeper than 20m. 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 2002-G08 Appendix F).

#### **3. Eastern Gulf live bottoms**

There are no IPF's (including effluents, physical disturbances to the seafloor, or potential accidents) from the proposed activities that could cause impacts to Eastern Gulf live bottoms. The offshore location of the proposed activity is approximately 305 miles away from the closest eastern gulf live bottom stipulated block.

It is unlikely that an accidental oil spill would occur from the proposed activities. Any surface or subsurface 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 2002-G08 Appendix F).

#### **4. Chemosynthetic communities**

The proposed activities do not occur in deepwater (water depths 400 meters or greater). Therefore, there are no IPF's (e.g., physical disturbances to the seafloor, effluents) from the proposed activities. Specifications of NTL 2002-G08 Appendix D do not apply to this lease area.

#### **5. Water quality**

Effluents and accidents from the proposed activities could potentially cause impacts to water quality. However, 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.

It is unlikely that an accidental oil spill would occur from the proposed activities. If a spill were to occur, the water quality of marine waters would be temporarily affected by the dissolved components and small oil droplets. 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 2002-G08 Appendix F).

#### **6. Fisheries**

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 activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

#### **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. Chronic and sporadic sublethal effects could occur that may stress and/or weaken individuals of a local group or population and make them more susceptible to infection from natural or anthropogenic sources. Few lethal effects are expected from oil spills, chance collisions with service vessels and ingestion of plastic material. Oil spills of any size are estimated to be aperiodic events that may contact cetaceans. Disturbance (e.g., noise) may stress animals, weaken their immune systems, and make them more vulnerable to parasites and diseases that normally would not be fatal.

The net result of any disturbance would depend on the size and percentage of the population affected, ecological importance of the disturbed area, environmental and biological parameters that influence an animal's sensitivity to disturbance and stress, and the accommodation time in response to prolonged disturbance (Geraci and St. Aubin, 1980). Collisions between cetaceans and ships

could cause serious injury or death (Laist et al., 2001). Collisions between OCS vessels and cetaceans within the project area are expected to be unusual events.

## **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.

## **9. Air quality**

There would be a limited degree of air quality degradation in the immediate vicinity of the proposed activities. Air quality analysis of the proposed activities indicated that the MMS exemption level is not exceeded.

## **10. Shipwreck sites (known or potential)**

There are no IPF's (including physical disturbances to the seafloor) from the proposed activities that could cause impacts to known or potential shipwreck sites. The proposed activities are located in an OCS block designated by MMS as being outside high-probability zones for shipwrecks. The Archaeological & Shallow Hazards Report (submitted in accordance with NTL 2002-G08, Appendix C, and NTL 98-20) indicates there are no shipwrecks near the proposed activities in Block 196, East Cameron Area.

## **11. Prehistoric archaeological sites**

There are no IPF's (including physical disturbances to the seafloor) from the proposed activities that could cause impacts to prehistoric archaeological sites. The proposed activity is located in an OCS block designated by MMS as having high-probability for the occurrence of prehistoric archaeological sites. The specific activities proposed in this plan do not occur in portions of the lease block where prehistoric archaeological site potential is high; there is a low probability for prehistoric archaeological site preservation in the specific zone of the proposed activities.

## **VICINITY OF OFFSHORE LOCATION:**

### **1. Essential fish habitat**

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. 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 or 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 activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

### **2. Marine and pelagic birds**

An accidental oil spill that may occur as a result of the proposed action has the potential to impact marine and pelagic birds—birds could become oiled. However, it is unlikely than an accidental 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 2002-G08 Appendix F).

### **3. Public health and safety due to accidents**

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

In accordance with 30 CFR 250.417(c) and NTL 2002-G08 (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**

An accidental oil spill from the proposed activities could cause impacts to beaches. However, due to the distance from shore (60 statute miles) and the response capabilities that would be implemented, no significant adverse impacts are expected. Both the historical spill data and the combined trajectory/risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

### **2. Wetlands**

An accidental oil spill from the proposed activities could cause impacts to wetlands. However, due to the distance from shore (60 statute miles) and the response capabilities that would be implemented, no significant adverse impacts are expected. Both the historical spill data and the combined trajectory/risk calculations referenced in the publication OCS EIS/EA MMS 2002-052

indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

### **3. Shore birds and coastal nesting birds**

An accidental oil spill from the proposed activities could cause impacts to shore birds and coastal nesting birds. However, due to the distance from shore (60 statute miles) and the response capabilities that would be implemented, no significant adverse impacts are expected. Both the historical spill data and the combined trajectory/risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

### **4. Coastal wildlife refuges**

An accidental oil spill from the proposed activities could cause impacts to coastal wildlife refuges. However, due to the distance from shore (60 statute miles south of Rockefeller Wildlife Refuge in Cameron Parish, LA) and the response capabilities that would be implemented, no significant adverse impacts are expected. Both the historical spill data and the combined trajectory/risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 Appendix F).

### **5. Wilderness areas**

An accidental oil spill from the proposed activities could cause impacts to wilderness areas. However, due to the distance from shore (60 statute miles) and the response capabilities that would be implemented, no significant adverse impacts are expected. Both the historical spill data and the combined trajectory/risk calculations referenced in the publication OCS EIS/EA MMS 2002-052 indicate there is little risk of contact or impact to the coastline and associated environmental resources. The activities proposed in this plan will be covered by our regional OSRP (refer to information submitted in accordance with NTL 2002-G08 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. No impacts are expected on the proposed activities from site-specific environmental conditions.

The Archaeological and Shallow Hazards Report was submitted in accordance with NTL 2002-G08, Appendix C and NTL 98-20. A Shallow Hazards Assessment of any seafloor and subsurface geological and manmade features and conditions that may adversely affect operations was submitted in accordance with NTL 2002-G08 and NTL 98-20.



**(D) Alternatives**

No alternatives to the proposed activities were considered to reduce environmental impacts.

**(E) Mitigation measures**

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

**(F) Consultation**

No agencies or persons were consulted regarding potential impacts associated with the proposed activities. Therefore, a list of such entities has not been provided.

**(G) References**

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

Reference the following if applicable:

- Hazard Surveys
- MMS EIS's
- MMS Grid EA's
- Authors
- Studies
- Other

The following documents were utilized in preparing the Environmental Impact Assessment:

Document	Author	Dated
MMS Environmental Impact Statement Report No. 2002-15	Minerals Management Service	2002
NTL 2002-G14 "Vessel Strike Avoidance and Injured/Dead Protective Species"	Minerals Management Service	2002
NTL 2002-G13 "Marine Trash & Debris Awareness & Elimination"	Minerals Management Service	2002
NTL 2003-G17 "Guidance for Submitting Exploration Plans and Development Operations Coordination Documents"	Minerals Management Service	2003
NTL 2002-G09 "Regional and Subregional Oil Spill Response Plans"	Minerals Management Service	2002
NTL 2002-G01 "Archaeological Resource Surveys and Reports"	Minerals Management Service	2002
NTL 2000-G16 "Guidelines for General Lease Surety Bonds"	Minerals Management Service	2000
NTL 98-20 "Shallow Hazards Survey Requirements"	Minerals Management Service	1998
NTL 98-18 "Supplemental Bond Procedures"	Minerals Management Service	1998
NTL 98-16 "Hydrogen Sulfide Requirements"	Minerals Management Service	1998
NPDES General Permit GMG290000	EPA - Region VI	1998
Regional Oil Spill Response Plan	Energy Partners, Ltd.	8/08/02

## **Appendix "I"**

### **I. COASTAL ZONE MANAGEMENT CONSISTENCY**

Activities proposed in this Supplemental DOCD do not require Coastal Zone Consistency Certification or Public Notice.

**COASTAL ZONE MANAGEMENT**

## **Appendix “J”**

OCS Plan Information Form follows as Attachment J-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: Energy Partners, Ltd					MMS Operator Number: 02266				
Address: 201 St. Charles Avenue, Suite 3400					Contact Person: Karen W. Vanacor				
New Orleans, Louisiana 70170					Phone Number: 504.799.4822				
					E-Mail Address: KVanacor@EPLWeb.com				
Lease(s): OCS-G 16244		Area: EC		Block(s): 196		Project Name (If Applicable): N/A			
Objective(s):		<input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas		<input type="checkbox"/> Sulphur <input type="checkbox"/> Salt		Onshore Base: Cameron, LA		Distance to Closest Land (Miles): 66	
Description of Proposed Activities (Mark all that apply)									
<input type="checkbox"/> Exploration drilling					<input type="checkbox"/> Development drilling				
<input type="checkbox"/> Well completion					<input type="checkbox"/> Installation of production platform				
<input type="checkbox"/> Well test flaring (for more than 48 hours)					<input type="checkbox"/> Installation of production facilities				
<input type="checkbox"/> Installation of caisson or platform as well protection structure					<input type="checkbox"/> Installation of satellite structure				
<input type="checkbox"/> Installation of subsea wellheads and/or manifolds					<input checked="" type="checkbox"/> Commence production				
<input type="checkbox"/> Installation of lease term pipelines					<input type="checkbox"/> Other (Specify and describe)				
Have you submitted or do you plan to submit a Conservation Information Document to accompany this plan?								Yes	<input checked="" type="checkbox"/> No
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
Have all of the surface locations of your proposed activities been previously reviewed and approved by MMS?								<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Tentative Schedule of Proposed Activities									
Proposed Activity					Start Date	End Date	No. of Days		
Commence Production					July 20, 2005				
Description of Drilling Rig					Description of Production Platform				
<input type="checkbox"/> Jackup		<input type="checkbox"/> Drillship			<input type="checkbox"/> Caisson		<input type="checkbox"/> Tension leg platform		
<input type="checkbox"/> Gorilla Jackup		<input type="checkbox"/> Platform rig			<input type="checkbox"/> Well protector		<input type="checkbox"/> Compliant tower		
<input type="checkbox"/> Semisubmersible		<input type="checkbox"/> Submersible			<input type="checkbox"/> Fixed platform		<input type="checkbox"/> Guyed tower		
<input type="checkbox"/> DP Semisubmersible		<input type="checkbox"/> Other (Attach Description)			<input type="checkbox"/> Subsea manifold		<input type="checkbox"/> Floating production system		
Drilling Rig Name (If Known):					<input type="checkbox"/> Spar		<input type="checkbox"/> Other (Attach Description)		
Description of Lease Term Pipelines									
From (Facility/Area/Block)			To (Facility/Area/Block)			Diameter (Inches)	Length (Feet)		

**OCS PLAN INFORMATION FORM (CONTINUED)**  
**Include one copy of this page for each proposed well/structure**

Proposed Well/Structure Location							
Well or Structure Name/Number (If renaming well or structure, reference previous name): Well "E"(to be renamed A-2)					Subsea Completion N/A		
Anchor Radius (if applicable) in feet: N/A					<table border="1"> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No
Yes	No						
	Surface Location		Bottom-Hole Location (For Wells)				
Lease No.	OCS G-16244		OCS				
Area Name	East Cameron						
Block No.	196						
Blockline Departures (in feet)	N/S Departure: F <u>N</u> L 7705		N/S Departure: F <u>N</u> L				
	E/W Departure: 4380 F <u>W</u> L		E/W Departure: F <u>W</u> L				
Lambert X-Y coordinates	X: 1,543,412.192		X:				
	Y: 42,375.992		Y:				
Latitude/ Longitude	Latitude 28° 46' 31.382" N		Latitude				
	Longitude 92° 45' 29.939" W		Longitude				
TVD (Feet):		MD (Feet):		Water Depth (Feet):			
<b>Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)</b>							
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor		
N/A			X =	Y =			
			X =	Y =			
			X =	Y =			
			X =	Y =			
			X =	Y =			
			X =	Y =			
			X =	Y =			
			X =	Y =			
<p><b>Paperwork Reduction Act of 1995 Statement:</b> The Paperwork Reduction Act of 1995 (44 U.S.C. Chapter 35) requires us to inform you that MMS collects this information as part of an applicant's Exploration Plan or Development Operations Coordination Document submitted for MMS approval. We use the information to facilitate our review and data entry for OCS plans. We will protect proprietary data according to the Freedom of Information Act and 30 CFR 250.196. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid Office of Management and Budget Control Number. The use of this form is voluntary. The public reporting burden for this form is included in the burden for preparing Exploration Plans and Development Operations Coordination Documents. We estimate that burden to average 580 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 4230, Minerals Management Service, 1849 C Street, N.W., Washington, DC 20240.</p>							