

UNITED STATES GOVERNMENT  
MEMORANDUM


July 8, 2003

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

Subject: Public Information copy of plan  
Control # - S-06208  
Type - Supplemental Exploration Plan  
Lease(s) - OCS-G00972 Block - 265 East Cameron Area  
Operator - Chevron U.S.A. Inc.  
Description - Wells A, B, C, and D  
Rig Type - JACKUP

Attached is a copy of the subject plan.

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

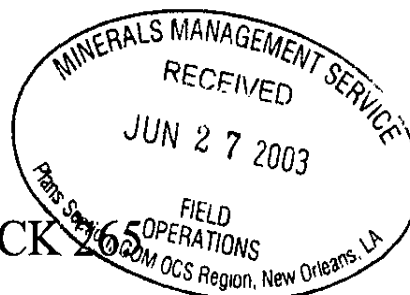
  
Karen Dunlap  
Plan Coordinator

| Site Type/Name | Botm Lse/Area/Blk | Surface Location   | Surf Lse/Area/Blk |
|----------------|-------------------|--------------------|-------------------|
| WELL/A         | G00972/EC/265     | 5850 FSL, 6700 FWL | G00972/EC/265     |
| WELL/B         | G00972/EC/265     | 5800 FSL, 3500 FWL | G00972/EC/265     |
| WELL/C         | G00972/EC/265     | 509 FSL, 4177 FWL  | G00972/EC/265     |
| WELL/D         | G00972/EC/265     | 5100 FSL, 8458 FWL | G00972/EC/265     |

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NOTED - SCHEXNAILDRE

# SUPPLEMENTAL EXPLORATION PLAN



EAST CAMERON BLOCK 265

LEASE OCS-G 00972

OFFSHORE, LOUISIANA

CHEVRON USA, INC.  
P. O. BOX 69100  
LAFAYETTE, LA 70596-9100

Prepared by:

Regulatory Services, Inc.  
304 La Rue France, Suite 204  
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PUBLIC INFORMATION COPY

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 1

CONTENTS OF PLAN

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Included in this Section is Attachment "A", "A-1",

Attachment "B", "C" & "C-1"

## 1.1 DESCRIPTION, OBJECTIVE AND SCHEDULE

As described in this Supplemental Exploration Plan, Chevron USA, Inc. proposes the drilling and completion operations of four (4) exploratory wells. Planned commencement date is approximately August 15, 2003 subject to the approval of this Supplemental Exploration Plan and issuance of the required Permits to Drill. Any and all efforts made by the MMS to expedite the approval of the subject plan will be appreciated.

In addition to the drilling and completion of the subject wells, other activities, which may be conducted under this Plan, are the setting of well protector type structures, sea floor templates, velocity surveys in wellbores, well test operations and the collection of soil borings.

It should be emphasized that the schedule below is tentative in the meaning of Title 30 CFR 250.203-1. Additional exploratory drilling must be predicated upon the need to further develop the structures and/or reservoir limitations.

### Tentative Activity Schedule

| PROPOSED ACTIVITY              | ESTIMATED START-UP DATE |
|--------------------------------|-------------------------|
| 1. Drill Well "A"              | August 15, 2003         |
| 2. Install Well Protector      | September 4, 2003       |
| 3. Complete Well "A"           | September 5, 2003       |
| 4. Flare Well "A"              | September 13, 2003      |
| 5. Complete Operation Well "A" | September 14, 2003      |

|                                |                    |
|--------------------------------|--------------------|
| 1. Drill Well "B"              | September 15, 2003 |
| 2. Install Well Protector      | October 5, 2003    |
| 3. Complete Well "B"           | October 6, 2003    |
| 4. Flare Well "B"              | October 14, 2003   |
| 5. Complete Operation Well "B" | October 15, 2003   |

|                                |                   |
|--------------------------------|-------------------|
| 1. Drill Well "C"              | October 16, 2003  |
| 2. Install Well Protector      | November 5, 2003  |
| 3. Complete Well "C"           | November 6, 2003  |
| 4. Flare Well "C"              | November 14, 2003 |
| 5. Complete Operation Well "C" | November 15, 2003 |

**1.2 WELL LOCATION(S) –See Attachment “A” & “B”**

| PROPOSED ACTIVITY              | ESTIMATED START-UP DATE |
|--------------------------------|-------------------------|
| 1. Drill Well “D”              | November 16, 2003       |
| 2. Install Well Protector      | December 6, 2003        |
| 3. Complete Well “D”           | December 7, 2003        |
| 4. Flare Well “D”              | December 15, 2004       |
| 5. Complete Operation Well “D” | December 16, 2004       |

The approximate location of each proposed exploratory well, including proposed surface location (PSL), bottom hole location (BHL), true vertical depth (TVD), and water depth for each proposed well is described below. See Attachments “A-1” and “B” for details on well locations and the bathymetry map for water depth information.

| WELL          | PROPOSED LOCATIONS   | TOTAL DEPTH | WATER DEPTH | TOTAL DAYS DRILL/COMP |
|---------------|--|-------------|-------------|-----------------------|
| EC 265<br>“A” | PSL: 5850’ FSL & 6700’ FWL of<br>Blk EC 265<br>Lat: 28° 26’ 45.48190”<br>Long: 92° 53’ 03.12050” |             | 172’        | 20/8                  |
| EC 265<br>“B” | PSL: 5800’ FSL & 3500’ FWL of<br>Blk EC 265<br>Lat: 28° 26’ 44.55700”<br>Long: 92° 53’ 38.94490” |             | 171’        | 20/8                  |

|               |   |      |      |
|---------------|---|------|------|
| EC 265<br>"C" | PSL: 509' FSL & 4177' FWL of<br>Blk EC 265<br>Lat: 28° 25' 52.28070"<br>Long: 92° 53' 30.55840" | 175' | 20/8 |
|---------------|---|------|------|

|               |   |      |      |
|---------------|---|------|------|
| EC 265<br>"D" | PSL: 5100' FSL & 8458' FWL of<br>Blk EC 265<br>Lat: 28° 26' 38.29390"<br>Long: 92° 52' 43.3220" | 172' | 20/8 |
|---------------|---|------|------|

### 1.3 DESCRIPTION OF DRILLING UNIT

A typical jack-up drilling rig has been identified as the type of movable offshore drilling unit (MODU) to be used for the proposed wells. Typical Diverter and BOP Schematics and description are included as Attachments "C" and "C-1". The rig utilized by Chevron USA, Inc. will be operated and maintained in accordance with Title 30 CFR Part 250.300, "Pollution Prevention".

Selection of a MODU will be contingent upon compliance with Title 30 CFR 250.400. Specific safety and pollution-prevention features shall include, but will not be limited to, well control and blow-out prevention equipment. Rig specifications will be included as part of the Applications for Permit to Drill. In addition, adequate life rafts and personal flotation devices as required by the U.S. Coast Guard will be available at all times.

The drilling rig and each of the marine vessels servicing the rig and its operations will be equipped with all U. S. Coast Guard required navigational safety aids to alert ships of its presence in all weather conditions. East Cameron Block 265 is not located in a designated shipping fairway/anchorage area, therefore, a permit from the Department of Army, Corps of Engineers, New Orleans District, will not be required.



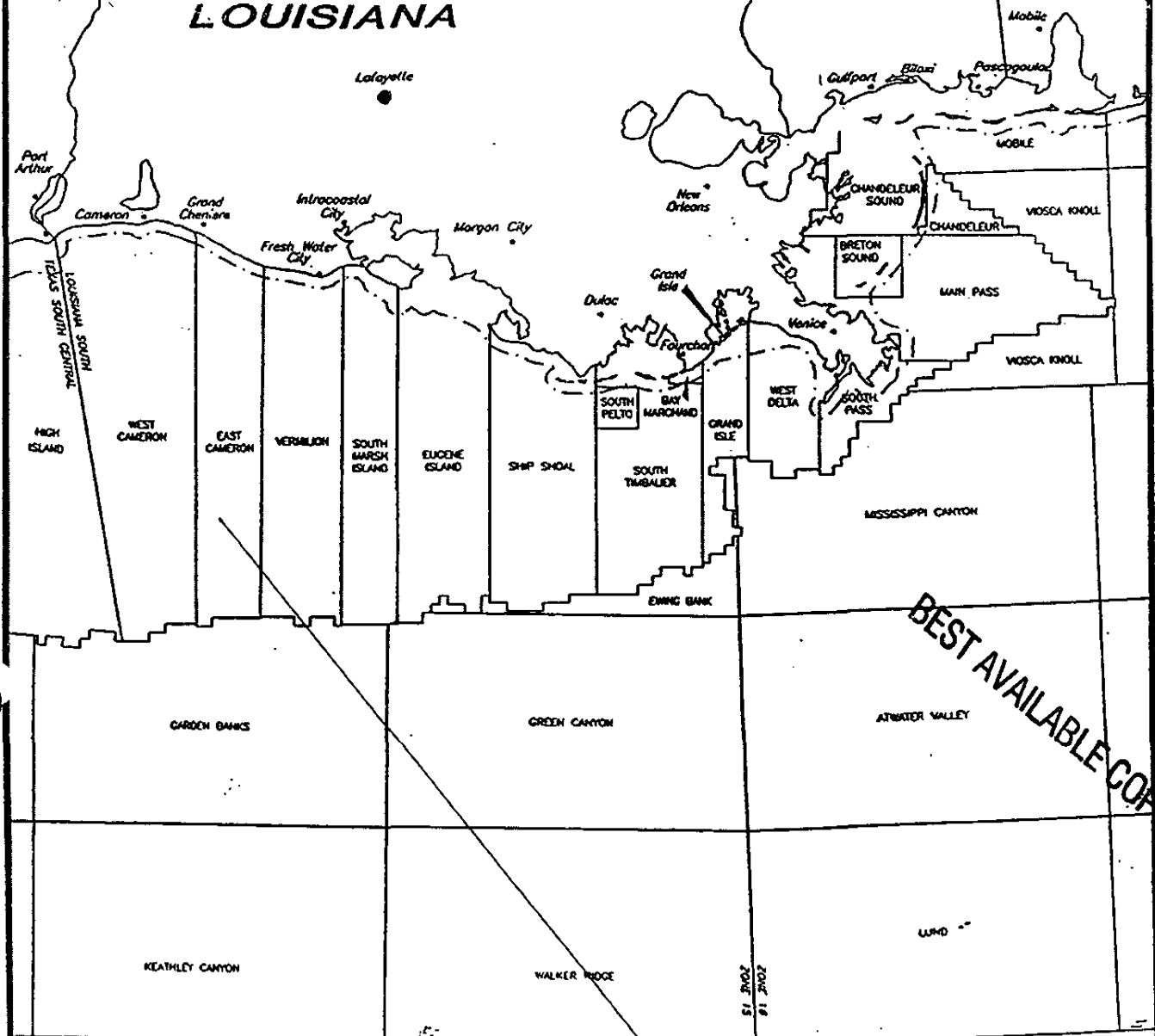
VICINITY MAP

MISSISSIPPI

AL

TX

LOUISIANA



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GULF OF MEXICO

Chevron Texaco Corporation  
 P. O. Box 69100  
 Lafayette, LA 70596-9100

Initial Exploration Plan  
 East Cameron Block 265  
 Lease OCS-G 00972

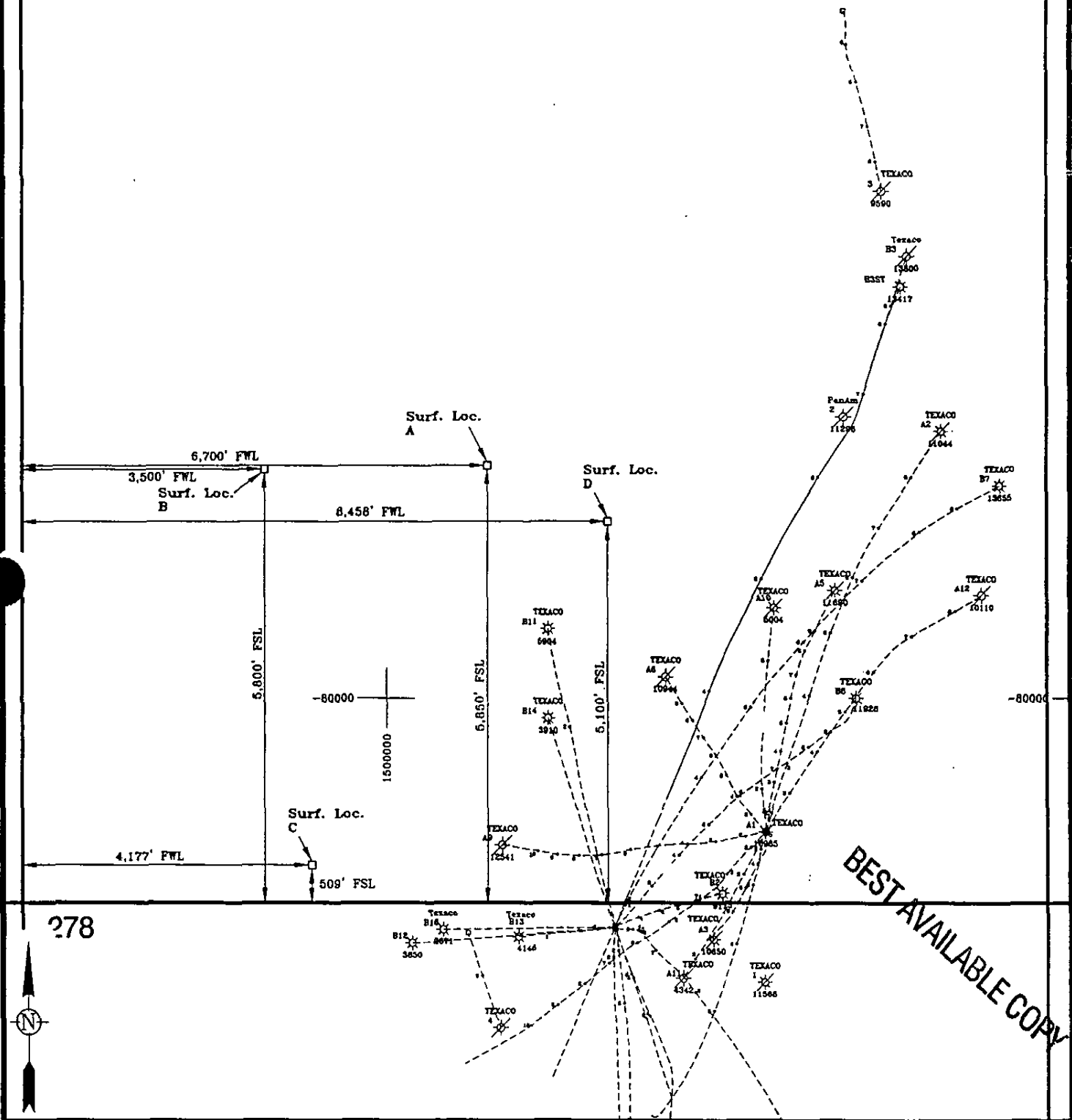
PREPARED BY:

REVISED

Attachment "A"

Lat-Long Conversion  
Derived Using CORPSCON  
Version 5.22.03 Using  
NADCON 2.1

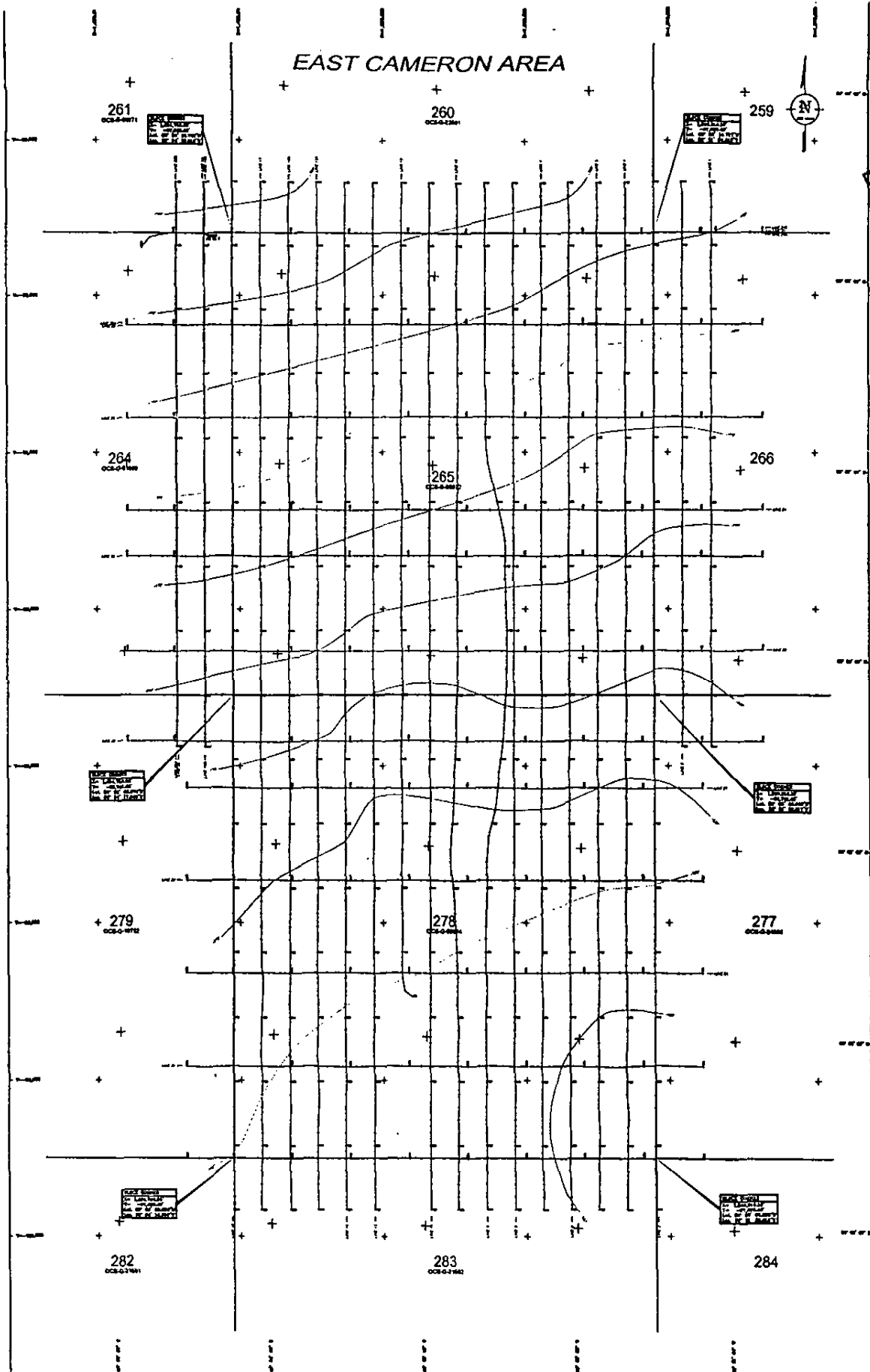
| WELL        | FEET E-W   | FEET N-S   | X         | Y       | LAT            | LONG           | MD | TVD |
|-------------|------------|------------|-----------|---------|----------------|----------------|----|-----|
| SURF LOC. A | 6,700' FWL | 5,850' FSL | 1,501,458 | -76,891 | 28°26'45.4819" | 92°53'03.1205" |    |     |
| SURF LOC. B | 3,500' FWL | 5,800' FSL | 1,498,258 | -76,941 | 28°26'44.5570" | 92°53'38.9449" |    |     |
| SURF LOC. C | 4,177' FWL | 509' FSL   | 1,498,935 | -82,232 | 28°25'52.2807" | 92°53'30.5584" |    |     |
| SURF LOC. D | 8,458' FWL | 5,100' FSL | 1,503,216 | -77,841 | 28°26'38.2939" | 92°52'43.3220" |    |     |



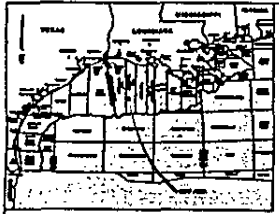
## PROPOSED LOCATION WELLS A, B, C, D

| REVISIONS |      |         | AREA   | CONT. INT.                   | OCS #   |
|-----------|------|---------|--|------------------------------|---------|
| BY        | DATE | COMMENT |  |                              |         |
|           |      |         | EAST CAMERON BLK. 265                              | -                            | G-00972 |
|           |      |         |  |                              |         |
|           |      |         | GEOLOGIST: -<br>GEOPHYSICIST: T G<br>DRAWN BY: LPK | DATE DRAWN:<br>June 11, 2003 |         |

# EAST CAMERON AREA



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**LEGEND**

1000 FATHOM DEPTH

2000 FATHOM DEPTH

3000 FATHOM DEPTH

4000 FATHOM DEPTH

5000 FATHOM DEPTH

6000 FATHOM DEPTH

7000 FATHOM DEPTH

8000 FATHOM DEPTH

9000 FATHOM DEPTH

10000 FATHOM DEPTH

11000 FATHOM DEPTH

12000 FATHOM DEPTH

13000 FATHOM DEPTH

14000 FATHOM DEPTH

15000 FATHOM DEPTH

16000 FATHOM DEPTH

17000 FATHOM DEPTH

18000 FATHOM DEPTH

19000 FATHOM DEPTH

20000 FATHOM DEPTH

**STONE**

**BATHYMETRY MAP**

BLOCK 30A, OC3-G-0672

BLOCK 30B, OC3-G-0681

EAST CAMERON AREA

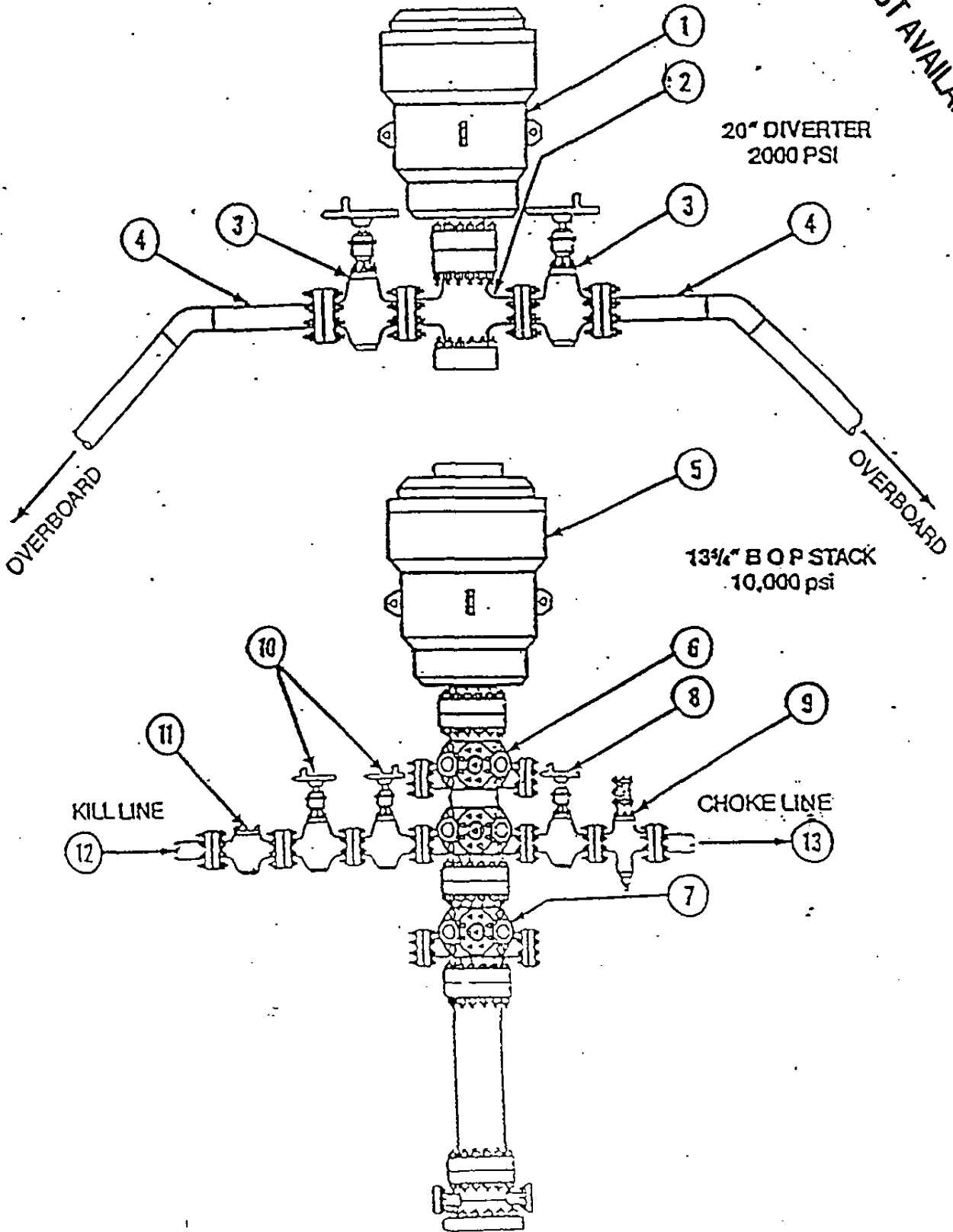
MAP 1

Figure 0672-0681, East Cameron Area

Attachment B

# BLOWOUT PREVENTER STACK WITH A HYDRIL DIVERTER

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Refer to following page for description of individual items of this assembly.  
Attachment "C"

## 20" HYDRIL DIVERTER 2000 PSI

| ITEM | DESCRIPTION                                     |
|------|---|
| 1    | 20 HYDRIL 2000 PSI Type MSP                     |
| 2    | 20" FLANGE SPOOL 2000 psi w/6" 2000 psi Outlets |
| 3    | 6" GATE VALVE std Low Pressure (REMOTE)         |
| 4    | 6" DIVERTER LINE (To Overboard)                 |

## BLOWOUT PREVENTER STACK

13 5/8" 10,000 psi

| ITEM | DESCRIPTION   |
|------|---|
| 5    | 13 5/8" HYDRIL ANNULAR BOP 5000 psi Type GK H2S Trimmed                     |
| 6    | 13 5/8" CAMERON DOUBLE BOP 10000 psi WP H <sub>2</sub> S Trimmed            |
| 7    | 13 5/8" CAMERON SINGLE BOP 10000 psi WP H <sub>2</sub> S Trimmed            |
| 8    | 4 1/16" MANUAL GATE VALVE Cameron Type "F" H <sub>2</sub> S Trimmed         |
| 9    | 2 1/16" REMOTE HYDRAULIC VALVE Cameron Type "F" 10,000 psi H <sub>2</sub> S |
| 10   | 2 1/16" MANUAL GATE VALVE Cameron Type "F" 10,000 psi H <sub>2</sub> S      |
| 11   | 2 1/16" CHECK VALVE Cameron Type "R" 10,000 psi H <sub>2</sub> S            |
| 12   | 3" 10,000 psi KILL LINE from Choke Manifold                                 |
| 13   | 3" 10,000 psi CHOKE LINE from Choke Manifold                                |

ATTACHMENT "C-1"

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 2

GENERAL INFORMATION

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## **2.1 CONTACT PERSON**

Chevron USA, 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, Louisiana 70508  
337.593.9420  
337.593.9422 Fax  
[jdelcambre.rsi@cox-internet.com](mailto:jdelcambre.rsi@cox-internet.com)

## **2.2 NEW OR UNUSUAL TECHNOLOGY**

Chevron USA, Inc. does not propose to utilize any new techniques or unusual technology for the proposed operations; however, the best available and safest technologies (BAST) as referenced in Title 30 CFR 250 will be incorporated as standard operational procedure.

## **2.3 BONDING INFORMATION**

In accordance with Title 30 CFR 256, "Bonding Requirements" and NTL 98-18N, Chevron USA, Inc. 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.

## **2.4 ONSHORE BASE AND SUPPORT VESSELS**

The proposed surface location in East Cameron Block 265 is located approximately 80 miles from the nearest shoreline and 102 miles from the shorebase located Intracoastal City, Louisiana. Water depths range from approximately 164 feet to 176 feet. A Vicinity Plat showing the surface locations of the East Cameron Block 265, Wells "A", "B", "C" and "D" relative to the shoreline and onshore base is included as Attachment "A".

Chevron USA, Inc. will utilize existing onshore facilities located in Intracoastal City, Louisiana. This will serve as a 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 space, drinking and drill water, etc.

Support vessels and travel frequency during drilling activities are as follows:

---

|             |                  |
|-------------|------------------|
| Crew Boat   | 2 trips per week |
| Supply Boat | 2 trips per week |
| Helicopter  | 1 trip per week  |

The boats will normally move via the most direct route from Intracoastal City, Louisiana. The helicopters will normally take the most direct route to travel between the two points when traffic and weather conditions permit. The vicinity map showing the shoreline in relation to the surface location for the wells is included as Attachment "A".

## **2.5 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 no special lease stipulations.



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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 3

GEOLOGICAL, GEOPHYSICAL,  
AND H<sub>2</sub>S INFORMATION

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Included in this Section are Attachments "D", "D-1", & "D-2",  
Attachment "E", Attachment "F" and  
Attachment "G"

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**3.1 GEOLOGICAL AND GEOPHYSICAL INFORMATION**

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**Structure Contour Maps (Included as Attachment "D")**

Not Applicable

**Interpreted Three-Dimensional (3-D) Seismic Lines ( Included as Attachment "D-1")**

Not Applicable

**Geological Structure Cross-Section (Included as Attachment "D-2")**

Not Applicable

**Shallow Hazard Report**

A high-resolution seismic survey report, utilized for the site evaluation for the drilling rig emplacement, is being submitted, under a separate cover. Fugro Geoservices conducted a High Resolution and Geophysical Study of the block covered in this plan for Stone Energy Corporation in June, 2003.

**Shallow Hazard Assessment (Included as Attachment "E")**

See Attachment "E" for an analysis of each proposed surface location of the seafloor, subsurface geological and manmade features and conditions that may adversely the proposed operations under this plan.

**Stratigraphic Column (Included as Attachment "F")**

Not Applicable

**Time vs. Depth Table (Included as Attachment "G")**

Not Applicable

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## **3.2 HYDROGEN SULFIDE INFORMATION**

### **Classification**

In accordance with Title 30 CFR Part 250.417(c) the Minerals Management Service has deemed that East Cameron Block 265, Lease OCS-G 00972, be classified as an area where the absence of hydrogen sulfide ( "H<sub>2</sub>S" ) has been confirmed.

### **Contingency Plan**

In accordance with Title 30 CFR Part 250.4179(f), a Contingency Plan is not required since the area should be classified as "H<sub>2</sub>S Absent".



June 25, 2003

200 Dulles Drive  
Lafayette, LA 70506  
Main: 337-237-2636  
Fax: 337-268-3221

Stone Energy Corporation  
625 E. Kaliste Saloom Road  
Lafayette, LA 70508

Attention: Mr. Nick Repar

**Re: Exploration Plan – Site Clearance Letter  
Proposed "A", "B", "C", & "D" Well Surface Locations  
Block 265, East Cameron Area (OCS-G-00972)  
Job No. 2403-1196**

Fugro GeoServices, Inc. was contracted by Stone Energy Corporation to assess seafloor and subbottom conditions at the proposed "A", "B", "C", and "D" well surface locations in Block 265, East Cameron Area (EC). The survey area lies within the Louisiana South coordinate system. This letter is intended to address specific seafloor and subbottom conditions within 1,000 feet of the location. The proposed surface locations have been projected on the Bathymetry Map and Hazard Map from the original 2003 report.

### Introduction

NTL-98-20 stipulates that analysis of potential hazards for Exploration Plans (EP's) may be made from available geophysical and geological data. The proposed surface locations are located within coverage provided by a 2003 Hazard Survey of Blocks 265 and 278, East Cameron Area that was performed by Fugro GeoServices, Inc. for Stone Energy Corporation. The survey was acquired aboard the *M/V Universal Surveyor* during June 5 – 8, 2003. Sea conditions during data acquisition were moderate with winds of about calm - 20 knots and seas from 1 to 5 feet. Horizontal positioning of the survey vessel was accomplished with the FUGRO STARFIX<sup>®</sup> Differential Global Positioning System, which has a field accuracy of  $\pm 3$  meters. Geophysical instruments used during the survey includes a Simrad EA 500 bathymetry system, EdgeTech 260 Side Scan Sonar, ORE Pinger Profiler 140, SeaSPY GSM-10MD Proton Magnetometer, and Seismic Systems, Inc. GI Air Gun with OYO Geospace DAS-1 recorder. The survey grid consisted of 20 north-south primary tracklines (Lines 1 - 20) spaced 300 meters (~984 feet) apart and 12 east-west tielines (Lines 21-24, 27-31, and 32-34). Lines 21-24 were run in EC265 and Lines 27-31 were run in EC278 and are spaced 900 meters (~2,953 feet) apart. Lines 32-34 were run in the center portion of the survey area instead of Lines 26 and 27 and were spaced to avoid platforms within the area. To ensure record quality several of the tracklines were rerun and are designated with a letter suffix, therefore Line 21A would be a rerun of Line 21. Each navigation fix is 12.5 meters (41 feet) apart and every tenth fix (125 meters or 410 feet) is shown on the study maps and geophysical data. Barbara J. DuVal, Senior Geologist prepared the final report in June of 2003.

All aspects of the survey and this Exploration Plan follow current Minerals Management Service Guidelines. The following hazard analysis was determined from the prior interpretations and related maps, tables, and figures. Stone Energy Corporation proposes to drill the "A", "B", "C", and "D" surface locations within the south half of EC 265 as listed in the following chart.

Attachment "E"



| WELL | CALLS                  | X-COORDINATE   | Y-COORDINATE | LATITUDE        | LONGITUDE       |
|------|------------------------|----------------|--------------|-----------------|-----------------|
| A    | 6,700' FWL, 5,580' FSL | X = 1,501,458' | Y = -76,891' | 28° 26' 45.482" | 92° 53' 03.120" |
| B    | 3,500 FWL, 5,800 FSL   | X = 1,498,258' | Y = -76,941' | 28° 26' 44.557" | 92° 53' 38.945" |
| C    | 4,177' FWL, 509' FSL   | X = 1,498,935' | Y = -82,232' | 28° 25' 52.281" | 92° 53' 30.558" |
| D    | 8,458' FWL, 5,100' FSL | X = 1,503,216' | Y = -77,641' | 28° 26' 38.294" | 92° 52' 43.322" |

### Geological Interpretation

- ◆ Harmonic mean velocities were calculated from the velocimeter readings acquired during the survey and were applied to each datum in order to convert record time to feet below sea level. The water depth at the proposed locations are as follows:

"A" Location: -172 feet

"B" Location: -171 feet

"C" Location: -175 feet

"D" Location: -172 feet

- ◆ Bathymetric contours indicate a smooth seafloor that dips to the southeast at a gradient of approximately 4 feet per mile (0.04°) in the vicinity of the well locations.
- ◆ The side scan sonar records exhibit a predominantly smooth seafloor of moderate reflectivity within the survey area. Randomly scattered gas vents were also noted throughout the area and represent former venting of subsurface sedimentary gas into the water column. Presently no indications of active gas venting were observed on the geophysical data acquired in the area.
- ◆ Bottom sediments were reported to consist of clayey sand within the survey area (Minerals Management Service, Visual No. 3, 1983). The McClelland 1979 Study indicates the soils within the study area are firm with shear strength values of about 800 lbs./sq.ft. within the upper 10 feet of sediment. These reported sediment composition and shear strength values were derived from regional studies, and variations may exist within the specific study area.
- ◆ There are no man-made features found within 1,000 feet of the "A", "B", and "C" well sites. The Sea Robin 24-inch pipeline lies about 750 feet east of the "D" location and this location should be approached with caution.
- ◆ There are no unidentified magnetic anomalies found within 1,000 feet of the "A", "B", and "D" well sites. Magnetic Anomaly No. 118 lies 900 feet north of the "C" location and registered an amplitude of 6 gammas with a duration of 124 feet. This anomaly is minor in size and should not interfere with drilling activity.
- ◆ There were no side scan sonar contacts noted within 1,000 feet of the proposed locations.
- ◆ Pinger records display a sequence of variable amplitude, parallel strata to a depth of approximately 60 feet. At the base of this sequence is a well-defined unconformity. Beneath the unconformity are floodplain deposits that consist of mostly gas-saturated sediments with some evidence of parallel and tilted strata. The gas saturation within the sediments is interpreted to be in a state of low-pressure equilibrium.



- ◆ Acoustic voids that may represent possible channels were noted at the seafloor and buried at depths of 5 feet to 25 feet below the seafloor. Most of these features are completely "gassed-out" due to accumulation of biogenic gas in the sediments. There were no acoustic voids/possible channels within 1,000 feet of the "A", "B", and "C" locations. There were no buried acoustic voids within 1,000 feet of the "D" location, however acoustic voids/possible channels noted at the seafloor lie 600 feet southwest, 650 feet northeast, and 800 feet southeast of the proposed "D" location.
  
- ◆ Underlying the well-defined unconformity, the eastern portion of EC265 consisted of gas-saturated sediments buried between 35 and 60 feet below the seafloor. The western portion the strata displayed off-lapping, parallel stratified sediments that were interrupted by numerous acoustic voids that were buried between 35 and 80 feet below the seafloor. All four locations were within 1,000 feet of these gas saturated sediments and are listed below.
  - "A" Location: is located within gas-saturated area about 200 feet from boundary.
  - "B" Location: acoustic void located 450 feet east and 950 feet south of location.
  - "C" Location: is located within gas-saturated area about 500 feet from boundary.
  - "D" Location: is located within gas-saturated area over 1,000 feet from boundary.
  
- ◆ Four faults were noted on the pinger data buried 24 to 57 feet below the seafloor and three faults were interpreted from the digital air gun records with tops that range from 500 to 1,500 feet below seafloor. There were no faults found within 1,000 feet of the well locations.
  
- ◆ The processed air gun reflectors displayed mostly parallel, continuous and discontinuous reflectors of varying amplitudes. High-amplitude seismic anomalies (bright spots) were observed on the processed air gun records at depths ranging from 825 to 840 feet below the seafloor. These features may represent possible high-pressure gas zones. All four well sites are located within the boundaries of a seismic anomaly that is buried between 825 and 840 feet below the seafloor. "Bright spot" interpretation is subjective; therefore, all available data collected near specific well locations should be inspected for evidence of the presence of any high amplitude anomalies.

### Conclusions

Based on the previous interpretation, the proposed "A", "B", "C", and "D" surface locations are clear of any debris or obstacles to drilling activities. Caution should be excised when working within the vicinity of the man-made features, unidentified magnetic anomaly, acoustic void/channel boundaries, deeper acoustic voids and gas saturated sediments, and seismic amplitude anomalies. For additional information, please refer to the 2003 Report.

Thank you, and please call if you have any questions or need additional information (337-268-3235).

Sincerely,

A handwritten signature in black ink, appearing to read "Barbara J. DuVal".

Barbara J. DuVal  
Senior Geologist



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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

\_\_\_\_\_

SECTION 4

THIS SECTION IS RESERVED FOR CHEMOSYNTHETIC

AND

TOPOGRAPHIC FEATURES INFORMATION

\_\_\_\_\_

The Proposed Activities being submitted under this Plan

Do Not Require the Preparation of This Data.

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 5

WASTE DISPOSAL AND  
DISCHARGE INFORMATION

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Included in this Section is Attachment "H"



## 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 drilling and completion operations for the proposed well locations 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 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, Chevron USA, Inc. 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.

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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 Chevron's operations in East Cameron Block 265 as purposed, 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     |
|--|-----------------------|------------------------|---|---|
| Spent oil based drilling fluids and cuttings       | 2550 bbl/well         | 212 bbl/day            | Environmental Treatment Team, Intracoastal City, LA | Transport to shore in cuttings box or tank. |
| Spent synthetic-based drilling fluids and cuttings | None                  | None                   | None  | None  |
| Oil Contaminated produced sand                     | None                  | None                   | None  | None  |
| Waste oil  | None                  | None                   | None  | None  |
| Produced water                                     | None                  | None                   | None  | None  |
| Norm-contaminated wastes                           | None                  | None                   | None  | None  |
| Trash and debris                                   | 1,000 ft <sup>3</sup> | 3 ft <sup>3</sup> /day | Environmental Treatment Team, Intracoastal City, LA | Transport to shore in storage bins.         |
| Chemical product wastes                            | None                  | None                   | None  | None  |
| Workover fluids                                    | None                  | None                   | None  | None  |

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 6

OIL SPILL RESPONSE

AND CHEMICAL INFORMATION

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## 6.1 OIL SPILL INFORMATION

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

Chevron USA, Inc., Four Star Oil and Gas Co.; Chevron Pipeline Company, Inc.; and Texaco Pipelines L.L.C., all of which are wholly or partially owned subsidiaries of Chevron USA, Inc. are covered under the above referenced OSRP as well as the activities proposed in this Supplemental Exploration Plan.

All produced liquid hydrocarbons associated with this application will be transported by pipeline.

Clean Gulf Associates (CGA) and Marine Spill Response Corporation (MSRC) are our primary oil spill removal organizations and they will supply the necessary equipment and personnel. CGA and MSRC have equipment pre-staged around the Gulf of Mexico. The major locations of this equipment are Lake Charles, Intracoastal City, Houma, Grand Isle, Fort Jackson and Venice, Louisiana; Galveston, Texas; and Pascagoula, Mississippi.

As noted in the Regional Oil Spill Response Plan, approved on September 10, 2002, Grand Isle Shipyard, Grand Isle, LA and Mississippi State Port Authority-Port of Gulfport, Gulfport, MS are possible staging areas in the worst-case discharge scenarios. Additional staging areas are Chevron's four (4) shore bases located in Intracoastal City, Leeville and Venice, Louisiana and Pascagoula, Mississippi. Other staging areas will be pursued as warranted by any specific response.

Please refer to the attached table to compare worst-case scenario from our OSRP to the worst-case scenario from the proposed activities in our Supplemental Exploration Plan.

**A. Worst-Case Discharge Analysis**

| Category  | Regional OSRP "Nearshore" Worst-Case Discharge Scenario  | Regional OSRP "Farshore" Worst-Case Discharge Scenario              | Exploration Plan  |
|---|--|---|---|
| Type of Activity ( <i>Types of activities include P/L, P/F, Caisson, subsea completions or manifold, and mobile drilling rig</i> )              | Pipeline   | Sub-sea Completion  | Drilling Rig  |
| Spill Location ( <i>area/block</i> )  | Chandeleur Sound Addition Block 11, (inside barrier islands)   | Green Canyon Block 205, OCS-G-5911                                  | East Cameron Block 265  |
| Facility Designation ( <i>e.g., Well #2, Platform JA, Pipeline Segment No. 6373</i> )   | 20" Crude Oil Line from Empire, LA to Pascagoula, MS – in state waters                                 | Well No. A-2, Genesis Deepwater Spar – MMS Facility ID No. 67       | Wells "A", "B", "C" & "D"   |
| Distance to Nearest Shoreline ( <i>miles</i> )  | 2-miles  | 81-miles  | 80-miles  |
| Volume<br>Storage Tanks (total)<br>Flowlines (on facility)<br>Lease Term Pipelines<br>Uncontrolled Blowout (volume per day)<br><br>Total Volume | Not itemized since WCD based on pipeline calculations as defined by CFR 254.47©<br><br>146,847 barrels | 4000 barrels<br>250 barrels<br>80,000 barrels<br><br>84,250 barrels | 200 barrels<br>0 barrels<br>0 barrels<br>500 barrels<br><br>700 barrels |
| Type of Oil(s) ( <i>crude oil, condensate, diesel</i> )   | Crude Oil  | Crude Oil   | Diesel / Condensate   |
| APIE Gravity(s)-Provide APIE gravity of all oils given under "Type of Oil(s)" above. Estimate for EP's)   | 22.3°  | 27.7°   | 36.0° / 58.0°   |

Since Chevron has the capability to respond to the worst-case spill scenario included in its Regional OSRP, submitted for approval on February 28, 2002, and since the worst-case scenario determined for this Supplemental Exploration Plan does not replace the worst-case scenario in our Regional OSRP; I hereby certify that Chevron has the capability to respond, to the maximum extent practicable, to a worst-case discharge, or a substantial threat of such a discharge, resulting from the activities proposed in our Supplemental Exploration Plan.

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

SECTION 7

AIR EMISSIONS INFORMATION

Included in this Section is Attachment "I"

**EXPLORATION PLAN (EP)  
AIR QUALITY SCREENING CHECKLIST**

OMB Control No. xxxx-xxxx  
Expiration Date: Pending

|                 |                                   |
|-----------------|-----------------------------------|
| COMPANY         | Chevron USA, Inc.                 |
| AREA            | East Cameron                      |
| BLOCKS          | 265                               |
| LEASES          | OCS-G 00972                       |
| PLATFORM        |                                   |
| WELLS           | "A", "B", "C" & "D"               |
| COMPANY CONTACT | J. V. Delcambre                   |
| TELEPHONE NO.   | 337.593.9420                      |
| E-MAIL ADDRESS  | jdclcambre.rsi@cox-internet.com   |
| REMARKS         | Drill four (4) exploratory wells. |

| "Yes" | "No" | Air Quality Screening Questions  |
|-------|------|--|
|       | X    | Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed exploration activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2.9}$ 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    | Are your proposed exploration activities located east of 87.5° W longitude?  |
|       | 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 for more than 48 continuous hours from any proposed well?  |
| X     |      | Do you propose to burn produced hydrocarbon liquids?   |

(1) If you answer *no* to all of the above screening questions from the appropriate table, provide:

(a) Summary information regarding the peak year emissions for both Plan Emissions and Complex Total Emissions, if applicable. This information is compiled on the summary form of the two sets of worksheets. You can submit either these summary forms or use the format below. You do not need to include the entire set of worksheets.

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

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

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

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



EMISSIONS CALCULATIONS 1ST YEAR

OMB Control No. xxx-xxxx  
Expiration Date: Pending

| COMPANY                | AREA                         | BLOCK    | LEASE       | PLATFORM  | WELL                | CONTACT         | PHONE                   | REMARKS       |               |              |               |                |              |               |              |               |  |
|------------------------|------------------------------|----------|-------------|-----------|---------------------|-----------------|-------------------------|---------------|---------------|--------------|---------------|----------------|--------------|---------------|--------------|---------------|--|
| Chevron USA, Inc.      | East Cameron                 | 265      | OCS-G 00972 |           | 'A', 'B', 'C' & 'D' | J. V. Delcambre | 337.593.9420            |               |               |              |               |                |              |               |              |               |  |
| 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     | 11400    | 550.62      | 13214.88  | 24                  | 123             | 8.04                    | 36.86         | 276.21        | 8.29         | 60.26         | 11.86          | 54.41        | 407.69        | 12.23        | 88.95         |  |
|                        | 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 | 1431     | 69.1173     | 1658.82   | 24                  | 123             | 3.15                    | 4.63          | 44.13         | 3.53         | 9.55          | 4.65           | 6.83         | 65.13         | 5.21         | 14.10         |  |
|                        | VESSELS>600hp diesel(crew)   | 1200     | 57.96       | 1391.04   | 8                   | 36              | 0.85                    | 3.88          | 29.07         | 0.87         | 6.34          | 0.12           | 0.56         | 4.19          | 0.13         | 0.91          |  |
|                        | VESSELS>600hp diesel(supply) | 1500     | 72.45       | 1738.80   | 20                  | 36              | 1.06                    | 4.85          | 36.34         | 1.09         | 7.93          | 0.38           | 1.75         | 13.08         | 0.39         | 2.85          |  |
|                        | VESSELS>600hp diesel(tugs)   | 10800    | 521.64      | 12519.36  | 24                  | 2               | 7.61                    | 34.92         | 261.67        | 7.85         | 57.09         | 0.18           | 0.84         | 6.28          | 0.19         | 1.37          |  |
| 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          |  |
|                        | MISC. TANK-                  | BPD      | SCF/HR      | COUNT     |                     |                 |                         |               |               |              |               |                |              |               |              |               |  |
|                        |                              | 0        |             |           | 0                   | 0               |                         |               |               | 0.00         |               |                |              |               | 0.00         |               |  |
| DRILLING               | OIL BURN                     | 200      |             |           | 24                  | 4               | 3.50                    | 56.92         | 16.67         | 0.08         | 1.75          | 0.17           | 2.73         | 0.80          | 0.00         | 0.08          |  |
| WELL TEST              | GAS FLARE                    |          | 833         |           | 24                  | 4               |                         | 0.00          | 0.06          | 0.05         | 0.32          |                | 0.00         | 0.00          | 0.00         | 0.02          |  |
| <b>2003 YEAR TOTAL</b> |                              |          |             |           |                     |                 | <b>24.20</b>            | <b>142.06</b> | <b>664.16</b> | <b>21.76</b> | <b>143.25</b> | <b>17.37</b>   | <b>67.11</b> | <b>497.17</b> | <b>18.15</b> | <b>108.28</b> |  |
| EXEMPTION CALCULATION  | DISTANCE FROM LAND IN MILES  |          |             |           |                     |                 |                         |               |               |              |               | 2664.00        | 2664.00      | 2664.00       | 2664.00      | 63125.61      |  |
|                        | 80.0                         |          |             |           |                     |                 |                         |               |               |              |               |                |              |               |              |               |  |

CHEVRON USA, INC.

SUPPLEMENTAL EXPLORATION PLAN

SUMMARY INFORMATION PEAK YEAR (2003) EMISSIONS

EAST CAMERON BLOCK 265, OCS-G 00972

| AIR POLLUTANT                      | PLAN EMISSION AMOUNTS (tons) | CALCULATED EXEMPTION AMOUNTS (tons) | CALCULATED COMPLEX TOTAL EMISSIONS AMOUNTS (tons) |
|------------------------------------|------------------------------|-------------------------------------|---|
| Carbon monoxide (CO)               | 108.28                       | 63125.61                            | 108.28  |
| Particulate matter (PM)            | 17.37                        | 2664.00                             | 17.37   |
| Sulphur dioxide (SO <sub>2</sub> ) | 67.11                        | 2664.00                             | 67.11   |
| Nitrogen oxides (NO <sub>x</sub> ) | 497.17                       | 2664.00                             | 497.17  |
| Volatile organic compounds (VOC)   | 18.15                        | 2664.00                             | 18.15   |

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 8

ENVIRONMENTAL IMPACT ANALYSIS

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June 2003

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

ATTACHMENT "J"

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## **I. Description of the Proposed Activity**

This environmental impact analysis addresses the activity proposed by Chevron USA, Inc. (Chevron) for East Cameron Block 265, Lease OCS-G 00972. The approximate location of the activity is presented on a general vicinity map of the Outer Continental Shelf (OCS) lease areas off the coast of Louisiana (Attachment A of Plan).

Chevron USA, Inc. proposes to utilize a jack-up rig to drill and complete four (4) wells to bottom hole in East Cameron Area, Block 265 with the surface location also being in East Cameron Area, Block 265.

## **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 23 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 23 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 H<sub>2</sub>S releases from the proposed activities will have not effect on the "Sonnier" Bank because of the distance (23 miles) from the proposed activity to the topographic feature.

The activities proposed in this plan will be covered by Chevron USA, Inc.'s Regional Oil Spill Response Plan.

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## **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 250 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 250 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<sub>2</sub>S releases from the proposed activities will have not effect on the pinnacle trend area live bottom because of the distance (250 miles) from the proposed activity to the pinnacle trend area live bottom.

The activities proposed in this plan will be covered by Chevron USA, Inc.'s Regional Oil Spill Response 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 210 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).

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All proposed bottom-disturbing activities, mainly rig emplacement, are 210 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 H<sub>2</sub>S releases from the proposed activities will have not effect on the nearest Eastern Gulf Live Bottom because of the distance (210 miles) from the proposed activity to the Eastern Gulf Live Bottom.

The activities proposed in this plan will be covered by Chevron USA, Inc.'s Regional Oil Spill Response Plan.

#### **4. Chemosynthetic Communities**

The proposed activities detailed in this supplemental EP will take place in water depths of about 171-175 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 Chevron USA, Inc.'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 drilling and completion activities in East Cameron Block 265 are completed, Chevron USA, Inc. does anticipate dumping their excess water-based drilling fluids. If any oil-based mud is used in the drilling operations, it will be transported to shore for proper disposal.

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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 adversely 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 Chevron USA, Inc.'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 (Trichechus manatus), northern right whale (Eubalaena glacialis), fin whale (Balaenoptera physalus), humpback whale (Megaptera novaeangliae), sei whale (B. borealis), sperm whale (Physeter macrocephalus), and blue whale (B. musculus) (USDOI, 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



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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 Screening Checklist was prepared and included in Attachment "J" of the EP. An Air Quality Report was required for the proposed activities and is included as part of Attachment "J".

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

The area of proposed activities falls within the zone designated as an area with a low probability of pre-historic archeological resources. An Archeological and Shallow Hazards Report for East Cameron Block 265 was prepared by Fugro Geoservices, Inc. in June, 2003 and the following was extracted from that report:

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

An archaeological survey of East Cameron Block 265, the surface locations for Wells "A", "B", "C" and "D" 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. The lease tract lies in the MMS Zone 2, an area where the potential for significant historic period shipwrecks is considered low. There are no unidentified magnetic anomalies found within 1000 feet of the "A", "B", and "D" well sites. Magnetic Anomaly No. 118 lies 900 feet north of the "C" location, is of minor size and should not interfere with drilling activity.

## **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. An Archeological and Shallow Hazards Report for East Cameron Block 265 was prepared by Fugro Geoservices, Inc.

The proposed "A", "B", "C" and "D" surface locations are clear of any debris or obstacles to drilling activities. Caution should be exercised when working within the vicinity of the man-made features, unidentified magnetic anomaly, acoustic void/channel boundaries, deeper acoustic voids and gas saturated sediment, and seismic amplitude anomalies.

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## **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. Chevron USA, Inc.'s Regional Oil Spill Response Plan will cover the activities proposed in this 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. Chevron USA, Inc.'s Regional Oil Spill Response Plan will cover the activities proposed in this 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 80 miles from the coastline south of Grand Chenier in Louisiana. There is no impact producing factors from the proposed activities, i.e. an accidental release of H<sub>2</sub>S, that could cause impacts to public health and safety. In accordance with Title 30 CFR Part 250.417(c) Chevron USA, Inc. requests that East Cameron Block 265, Lease OCS-G 00972, be classified by the Minerals Management Service as an area where the absence of hydrogen sulfide ("H<sub>2</sub>S") has been confirmed. The drilling of similar stratigraphic horizons in East Cameron Block 278 supports the basis for this determination.

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## **C. Coastal and Onshore**

### **1. Beaches**

Proposed activities under this supplemental EP will occur approximately 80 miles from the coastline south of Grand Chenier in 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 Chevron USA, Inc.'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 supplemental EP will occur approximately 80 miles from the coastline south of Grand Chenier in 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 Chevron USA, Inc.'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 supplemental EP will occur approximately 80 miles from the coastline south of Grand Chenier in 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 Chevron USA, Inc.'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 supplemental EP will occur approximately 80 miles from the coastline south of Grand Chenier in 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 Chevron USA, Inc.'s Regional Oil Spill Response Plan, no adverse impacts to coastal wildlife refuges are anticipated as a result of the proposed activities.

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## **5. Wilderness Areas**

Proposed activities under this supplemental EP will occur approximately 80 miles from the coastline south of Grand Chenier in 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 Chevron USA, Inc.'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**

1. None

## **E. Impacts on your proposed activities**

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

## **F. Alternatives**

No alternatives to the proposed activities described in this supplemental EP 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 supplemental EP, therefore, no such persons or agencies are listed.

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### **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 an approved 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.

Fugro Geoservices, Inc.  
High Resolution Geophysical Report, East Cameron Block 265, OCS-G 00972  
June, 2003

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

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SECTION 9

THE COASTAL

ZONE MANAGEMENT

CONSISTENCY CERTIFICATION

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The Proposed Activities being submitted under this Plan

Do Not Require the Filing of this Documentation.

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Chevron USA, Inc.  
Supplemental Exploration Plan

EAST CAMERON BLOCK 265  
LEASE OCS-G 00972

SECTION 10

OCS PLAN INFORMATION FORM

**OCS PLAN INFORMATION FORM**  
(USE SEPARATE FORM FOR EACH LEASE)

|  |   |  |
|--|---|--|
| <b>EXPLORATION PLAN X</b>  | <b>DEVELOPMENT OPERATIONS COORDINATION DOCUMENT</b>                 | <b>DEVELOPMENT &amp; PRODUCTION PLAN</b>                   |
| OPERATOR: <b>Chevron USA, Inc.</b>   |   | ADDRESS: <b>P. O. Box 69100</b>                            |
| MS OPERATOR NO.: <b>0078</b>   |   | <b>Lafayette, LA 70596-9100</b>                            |
| CONTACT PERSON: <b>J.V. Delcambre</b>  |   | PHONE NO.: <b>(337) 593-9420</b>                           |
| PROPOSED START DATE: <b>8/15/2003</b>  | RIG TYPE: <b>JU</b>   | DISTANCE TO CLOSEST LAND (IN MILES): <b>80</b>             |
| NEW OR UNUSUAL TECHNOLOGY  | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | ONSHORE SUPPORT BASE(S): <b>Intracoastal City, LA</b>      |
| NARRATIVE DESCRIPTION OF PROPOSED ACTIVITIES:  |   |  |
| <b>Drill, install well protectors, complete and flare to clean up four (4) exploratory wells in East Cameron Block 265</b> |   |  |
|  |   | PROJECT NAME, IF APPLICABLE: <b>East Cameron Block 265</b> |

**PROPOSED WELL/STRUCTURE LOCATIONS**

| WELL/<br>STRUCTURE<br>NAME | SURFACE LOCATION  | BOTTOM-HOLE<br>LOCATION (FOR WELLS)  |
|----------------------------|---|--|
| Platform or Well <b>A</b>  | CALLS: <u>5850'</u> F S L and <u>6700'</u> F W L of<br>LEASE OCS-G <u>00972</u> , <u>East Cameron</u> AREA,<br>BLOCK <u>265</u> | CALLS: _____ F L and _____ F L of<br>LEASE OCS-G _____ AREA,<br>BLOCK _____  |
| Name: <u>OCS-G 00972</u>   | X: <u>1501458</u><br>Y: <u>-76891</u>   | X: _____<br>Y: _____   |
|                            | LAT: <u>28° 26' 45.48190"</u><br>LONG: <u>92° 53' 03.12050"</u>   | LAT: _____<br>LONG: _____  |
|                            | TVD (IN FEET): _____ MD (IN FEET): _____  | WATER DEPTH (IN FEET):<br><u>172</u>   |
| Platform or Well <b>B</b>  | CALLS: <u>5800'</u> F S L and <u>3500'</u> F W L of<br>LEASE OCS-G <u>00972</u> , <u>East Cameron</u> AREA,<br>BLOCK <u>265</u> | CALLS: _____ F L and _____ F L of<br>LEASE OCS-G _____ AREA,<br>BLOCK _____  |
| Name: <u>OCS-G 00972</u>   | X: <u>1498258</u><br>Y: <u>-76941</u>   | X: _____<br>Y: _____   |
|                            | LAT: <u>28° 26' 44.55700"</u><br>LONG: <u>92° 53' 38.94490"</u>   | LAT: _____<br>LONG: _____  |
|                            | TVD (IN FEET): _____ MD (IN FEET): _____  | WATER DEPTH (IN FEET):<br><u>171</u>   |
| Platform or Well <b>C</b>  | CALLS: <u>509'</u> F S L and <u>4177'</u> F W L of<br>LEASE OCS-G <u>00972</u> , <u>East Cameron</u> AREA,<br>BLOCK <u>265</u>  | CALLS: _____ F L and _____ F L of<br>LEASE OCS-G _____ AREA,<br>BLOCK _____  |
| Name: <u>OCS-G 00972</u>   | X: <u>1498935</u><br>Y: <u>-82232</u>   | X: _____<br>Y: _____   |
|                            | LAT: <u>28° 25' 52.28070"</u><br>LONG: <u>92° 53' 30.55840"</u>   | LAT: _____<br>LONG: _____  |
|                            | TVD (IN FEET): _____ MD (IN FEET): _____  | WATER DEPTH (IN FEET):<br><u>175</u>   |
| Platform or Well <b>D</b>  | CALLS: <u>5100'</u> F S L and <u>8458'</u> F W L of<br>LEASE OCS-G <u>00972</u> , <u>East Cameron</u> AREA,<br>BLOCK <u>265</u> | CALLS: _____ F L and _____ F L of<br>LEASE OCS-G _____ AREA,<br>BLOCK _____  |
| Name: <u>OCS-G 00972</u>   | X: <u>1503216</u><br>Y: <u>-77641</u>   | X: _____<br>Y: _____   |
|                            | LAT: <u>28° 26' 38.29390"</u><br>LONG: <u>92° 52' 43.32200"</u>   | LAT: _____<br>LONG: _____  |
|                            | TVD (IN FEET): _____ MD (IN FEET): _____  | WATER DEPTH (IN FEET):<br><u>172</u>   |
| Platform or Well _____     | CALLS: _____ F L and _____ F L of<br>LEASE OCS -G _____ AREA,<br>BLOCK _____  | CALLS: _____ F L and _____ F L of<br>LEASE OCS -G _____ AREA,<br>BLOCK _____ |
| Name: _____                | X: _____<br>Y: _____  | X: _____<br>Y: _____   |
|                            | LAT: _____<br>LONG: _____   | LAT: _____<br>LONG: _____  |
|                            | TVD (IN FEET): _____ MD (IN FEET): _____  | WATER DEPTH (IN FEET):<br>_____  |

BEST AVAILABLE COPY