UNITED STATES GOVERNMENT
MEMORANDUM

December 20, 2005

To: Public Information (MS 5030)

From: Plan Coordinator, FO, Plans Section (MS 5231)

Subject: Public Information copy of plan

| | | |
|---|---|---|
| Control # | - | N-08634 |
| Type | - | Initial Exploration Plan |
| Lease(s) | - | OCS-G27011 Block - 258 West Cameron Area |
| Operator | - | Coldren Oil & Gas Company LP |
| Description | - | Well and Well Protector A |
| 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.

Michael Tolbert
Plan Coordinator

| Site Type/Name | Botm Lse/Area/Blk | Surface Location | Surf Lse/Area/Blk |
|---|---|---|---|
| WP/A | | 3426 FNL, 420 FWL | G27011/WC/258 |
| WELL/A | G27011/WC/258 | 3426 FNL, 420 FWL | G27011/WC/258 |

FIRS
DEC 2 2 2005

NOTED - SCHEXNAILDRE

# Initial Exploration Plan

## West Cameron Block 258
## OCS-G 27011
## Offshore, Louisiana

# Public Information


coldren oil & gas company

Coldren Oil & Gas Company
5800 Hwy 90 East
Broussard, LA 70518

Documentation Prepared By:
Regulatory Services, Inc.
304 La Rue France, Suite 204
Lafayette, Louisiana 70508
337.593.9420

coldren
oil & gas company

December 1, 2005

Minerals Management Service
Office of Field Operations
Plans Section (MS-5230)
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

Attention: Nick Wetzel

RE: Initial Exploration Plan
OCS-G 27011, West Cameron Block 258
OCS Federal Waters, Gulf of Mexico, Offshore, LA

Gentlemen:

In accordance with the provisions of Title 30 CFR 250.203, Coldren Oil and Gas Company (Coldren) hereby submits for your review and approval two (2) copies of an Initial Exploration Plan for the above referenced location. One (1) copy is "Proprietary Information" and one (1) copy is "Public Information". Also included in this filing are CD's containing the electronic version of both the "Proprietary Information" and "Public Information" copies.

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

Included with the one "Proprietary Information" hard copy is Attachment "H", Shallow Hazard Seismic Lines, for those lines closest to the proposed surface location. It is requested that this information be destroyed once the MMS review of the subject Plan is completed.

Coldren anticipates activity commencement under this proposed Initial Exploration Plan on or about January 27, 2006. Any and all efforts made by the MMS to expedite the approval of the subject plan will be appreciated.

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

With kindest regards,

William J. Dwyer (RF)

William J. Dwyer
Vice President – Land

Enclosure:

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# SECTION 1
## CONTENTS OF PLAN

### Description & Objective

Coldren Oil & Gas Corporation (herein referred to as "Coldren"), as described in this Initial Exploration Plan, Coldren proposes the drilling and evaluation operations of one (1) exploratory well. Planned commencement date is approximately January 27, 2006, subject to the approval of this Initial 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 sea floor templates, velocity surveys in wellbores, well test operations and the collection of soil borings, and installation of well support caissons. The drilling unit will be used to install the well support caisson.

### Tentative Activity Schedule

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.

| Proposed Activity | Proposed Start Date |
|---|---|
| 1. Drill WC 258 Well "A" | January 27, 2006 |
| 2. Evaluate & TA Well "A" | February 2, 2006 |

## Well Locations

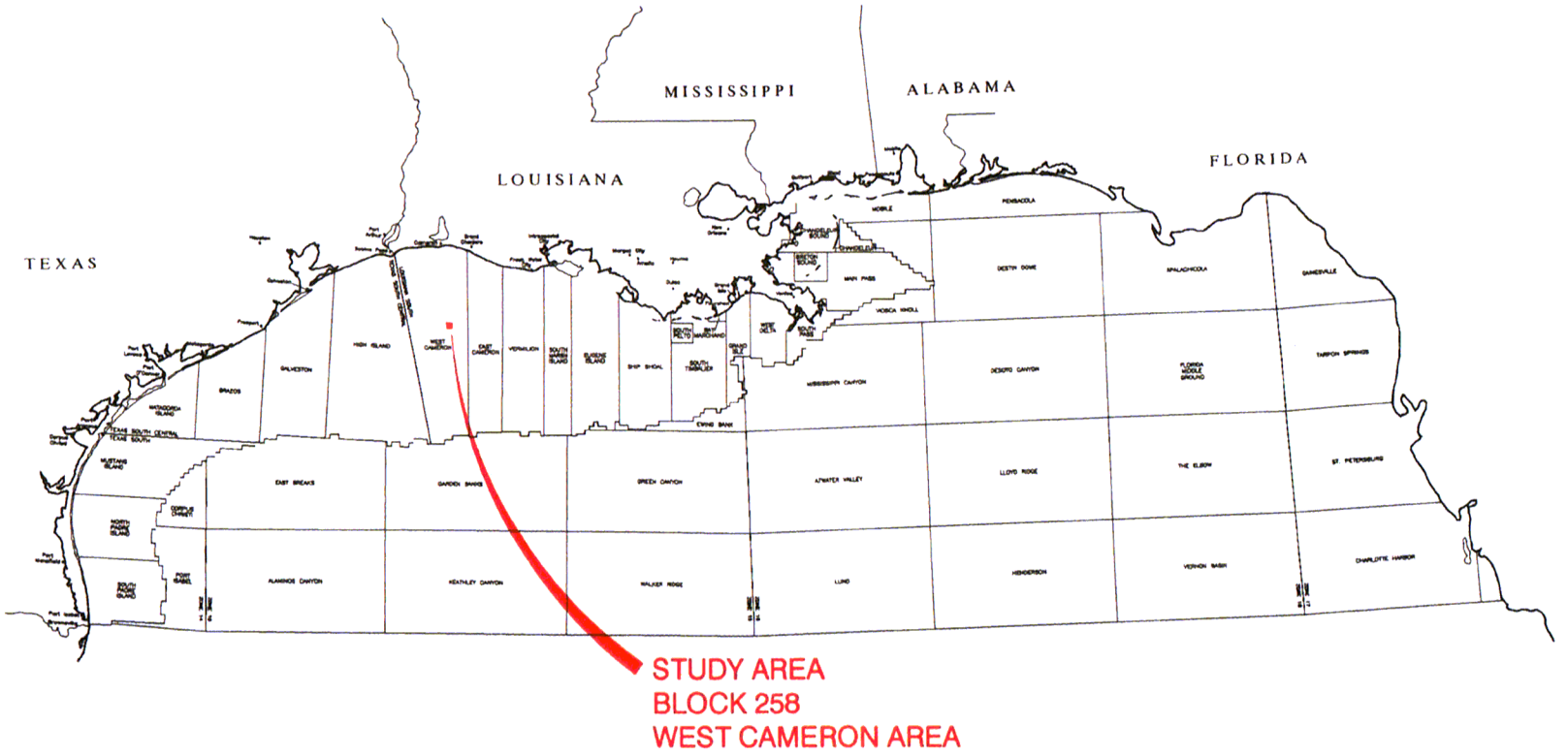
The approximate location of each proposed exploratory well, including proposed surface location (PSL), bottom hole location (BHL), true vertical depth (TVD), and water depth for each proposed well is described in detail in Section 10 of this Initial Exploration Plan. See also Attachments "A", "A-1" and "B" for additional details on well locations and water depth information.

## 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 well. Typical Diverter and BOP Schematics and description are included as Attachments "C" and "C-1". The rig utilized by Coldren will be operated and maintained in accordance with Title 30 CFR Part 250.300, "Pollution Prevention".

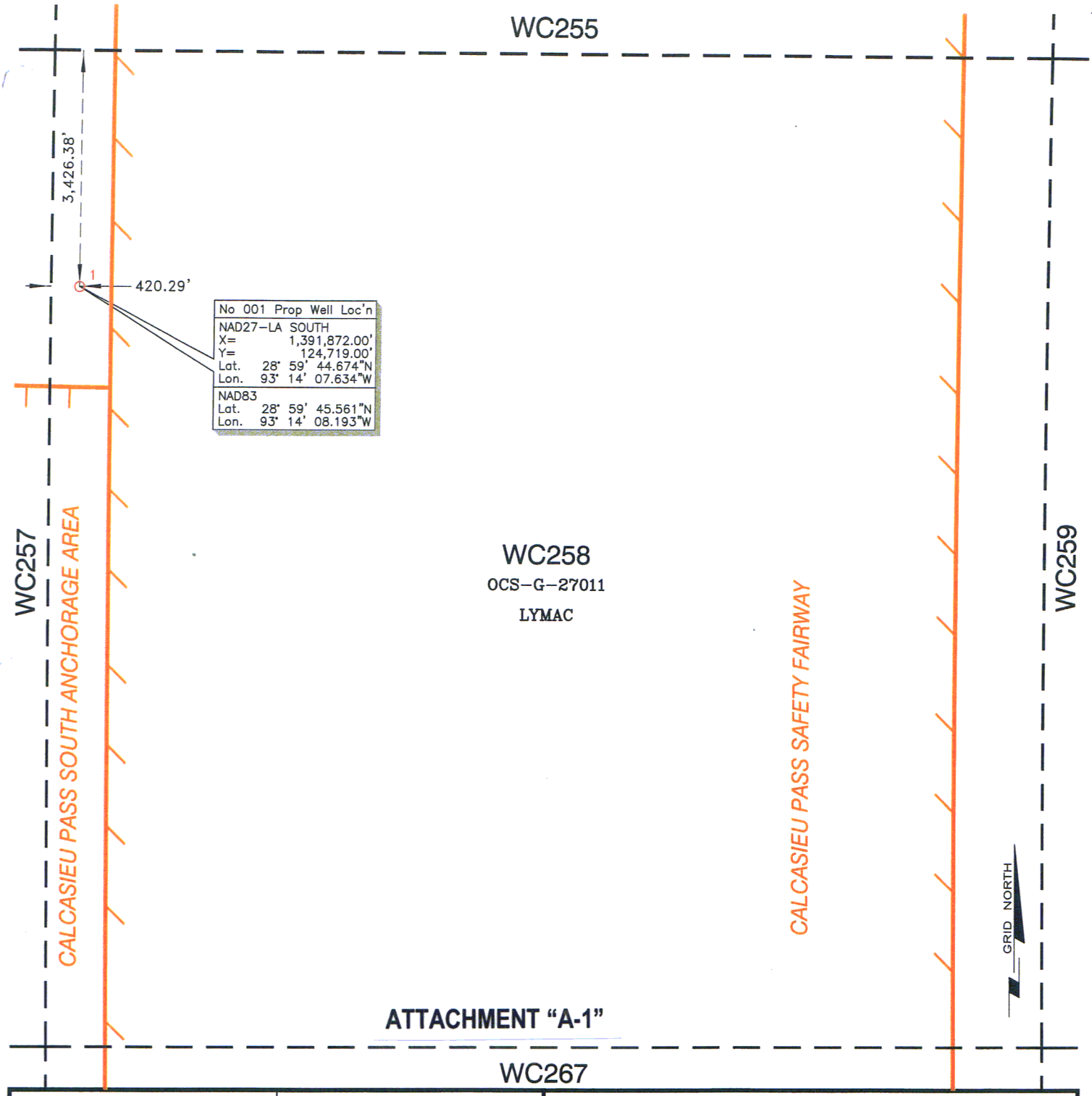
Selection of a MODU will be contingent upon compliance with Title 30 CFR 250.400. Specific safety and pollution-prevention features shall include, but will not be limited to, well control and blow-out prevention equipment. Rig specifications will be included as part of the Applications for Permit to 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. The Calcasieu Pass South Safety Fairway covers most of West Cameron Block 258, OCS-G 27011, however, the proposed activity area is located 450 feet west of the fairway, therefore, a permit from the Department of Army, Corps of Engineers, New Orleans District, will not be required.




# REGIONAL MAP

## ATTACHMENT "A"




**ATTACHMENT "A-1"**

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

*DIGITAL COPY*
*ORIGINAL PLAT SIGNED 11/15/05*

*REG. PROFESSIONAL LAND SURVEYOR NO. 4903*
*STATE OF LOUISIANA*

**PUBLIC INFORMATION**

Printed: 11/15/05

# COLDREN OIL & GAS COMPANY

## PROPOSED LOCATION
## OCS-G-27011 WELL NO. 001

BLOCK 258
WEST CAMERON AREA
GULF OF MEXICO

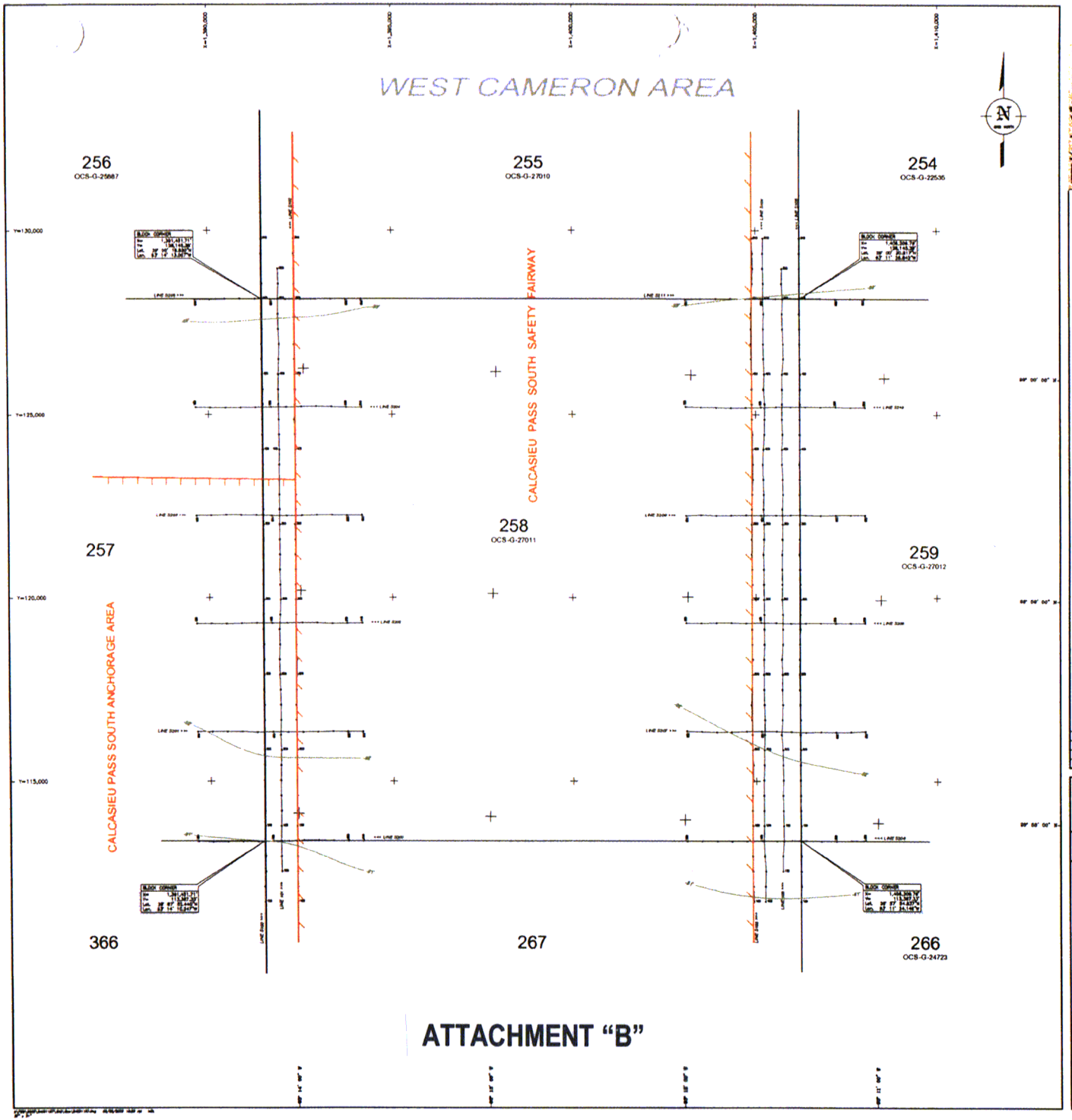
**FUGRO CHANCE INC.**
200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

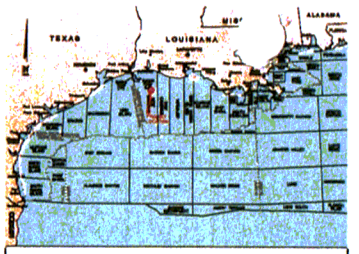
GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNITS: US SURVEY FEET

SCALE IN FEET 0 2,000'

Job No.: 05-4653 | Date: 11/15/05 | Drwn: TCG | Chart: 1 Of: 1

Dwgfile: O:\WellPermit\LAs\WC\Permit\258p1




**LEGEND**

SHOT POINT & SHOT POINT NO.

CONTOUR INTERVAL = 1FOOT

ZERO DATUM = MEAN LOWER LOW WATER

APPLIED ACOUSTIC VELOCITY = HARMONIC MEAN

AVERAGE TIDE HEIGHT ADJUSTMENTS

MEAN LOWER LOW WATER = 0.0

MEAN SEA LEVEL = +1.0 feet

MEAN HIGH TIDE = +2.0 feet

| | |
|---|---|
| GEODETIC DATUM: NAD 1927 | CENTRAL MERIDIAN = 91° 20' W |
| ELLIPSOID: CLARKE 1866 | X ORIGIN = 2,000,000 ft AT CENTRAL MERIDIAN |
| PROJECTION: LAMBERT | Y ORIGIN = 0 ft AT 28° 40' N |
| ZONE: LOUISIANA SOUTH | GRID UNITS: FEET |

SCALE = 1:12000

0 1,000 2,000 3,000 4,000 5,000

FEET

LYMAC EXPLORATION AND PRODUCTION, LLC

BATHYMETRY MAP

OCS-G-27011

BLOCK 258

WEST CAMERON AREA

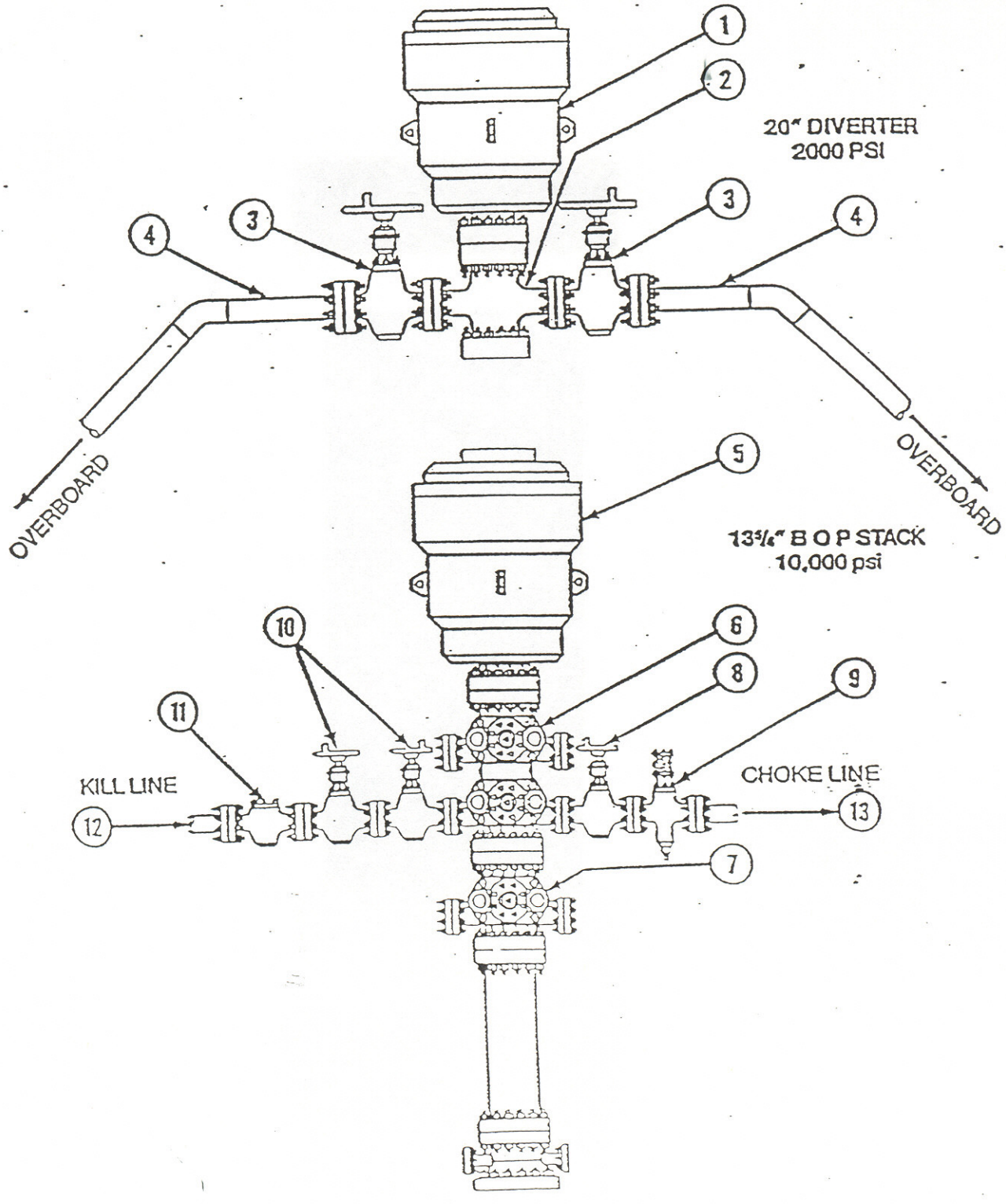
| | |
|---|---|
| SURVEY DATES: JUNE 30-JULY 1, 2008 | |
| SURVEY VESSEL: R/V ALBUQUERQUE | |
| POSITIONING BY: STARFIX | DRAFTED BY: M. LEBLANC |
| INTERPRETATION BY: J. MARSHALL | CHECKED BY: B. DUVAL |
| DATE: AUGUST 25, 2008 | REVISION NO.: |
| JOB NO.: 2400-1197 | DWG NO.: 2400-1197 DWG |

MAP 1 OF 3

Fugro GeoServices, Inc.

**ATTACHMENT "B"**

# BLOWOUT PREVENTER STACK
# WITH A
# HYDRIL DIVERTER




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_1$2S Trimmed |
| 7 | 13 5/8" CAMERON SINGLE BOP 10000 psi WP $H_1$2S Trimmed |
| 8 | 4 1/16" MANUAL GATE VALVE Cameron Type "F" $H_1$2S Trimmed |
| 9 | 2 1/16" REMOTE HYDRAULIC VALVE Cameron Type "F" 10,000 psi $H_1$2S |
| 10 | 2 1/16" MANUAL GATE VALVE Cameron Type "F" 10,000 psi $H_1$2S |
| 11 | 2 1/16" CHECK VALVE Cameron Type "R" 10,000 psi $H_1$2S |
| 12 | 3" 10,000 psi KILL LINE from Choke Manifold |
| 13 | 3" 10,000 psi CHOKE LINE from Choke Manifold |

ATTACHMENT "C-1"

# SECTION 2
# GENERAL INFORMATION

## Contact Person

Coldren 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
jv@regservicesinc.com

## New or Unusual Technology

Coldren 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.

## Bonding Information

Coldren Oil & Gas Company has filed with the Minerals Management Service the bonding necessary to meet the $1,000,000 area-wide exploration criteria pursuant to the provisions of Title 30 CFR Part 256 and NTL-2000-G16, See Bond No. B001975.

## Onshore Base & Support Vessels

The proposed surface location in West Cameron Block 258 is located approximately 51 miles from the nearest shoreline at Vermilion Parish and 136 miles to the onshore base at Berwick, Louisiana. Water depths range from approximately 83 feet in the N-W corner of Block 258 to 81 feet in the S-E corner. A Vicinity Map showing the surface locations of the West Cameron Block 258, Location "A", relative to the shoreline and onshore base is included as Attachment "A".

Coldren will utilize existing onshore facilities located in Berwick, 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 Berwick, Louisiana. The helicopters will normally take the most direct route of travel between the shorebase and surface location, when traffic and weather conditions permit. The Vicinity Map showing the shoreline in relation to the surface location for the subject wells is included as Attachment "A".

## Lease Stipulations

There is one (1) special lease stipulations or concerns with the lease for West Cameron Block 258, OCS-G 27011. Coldren will abide by all terms of the mineral lease.

Lease Stipulation No. 6 – Protected Species, provides that the lessee is to reduce the potential taking of Federally protected species.

Coldren Oil and Gas Company will fully comply with all Lease Stipulations.

# SECTION 3
## GEOLOGICAL, GEOPHYSICAL AND $H_2S$ DATA

**Depth Structure Map**

Not Applicable – Proprietary Information.

**Interpreted 3-D Seismic Lines**

Not Applicable – Proprietary Information.

**Geological Structure Cross-Section**

Not Applicable – Proprietary Information.

**Shallow Hazard Report**

The proposed surface location is located within coverage provided by an August 2005 Archaeological and Hazard Survey performed in Block 258, West Cameron Area for Lymac Exploration and Production, LLC by Fugro GeoServices, Inc.

**Shallow Hazard Anomaly Map / Assessment**

See Attachment "E" for the Shallow Hazard Anomaly Map, which shows details of hazards and the location of proposed drill sites. See Attachment "E-1" for an analysis of proposed surface location of the seafloor, subsurface geological and manmade features and conditions that may adversely affect the proposed operations under this plan.

## Biostratigraphic Lithostratigraphic Column

Not Applicable – Proprietary Information.

## Time versus Depth Table

Not Applicable – Proprietary Information.

## High Resolution Seismic Lines

Not Applicable – Proprietary Information.

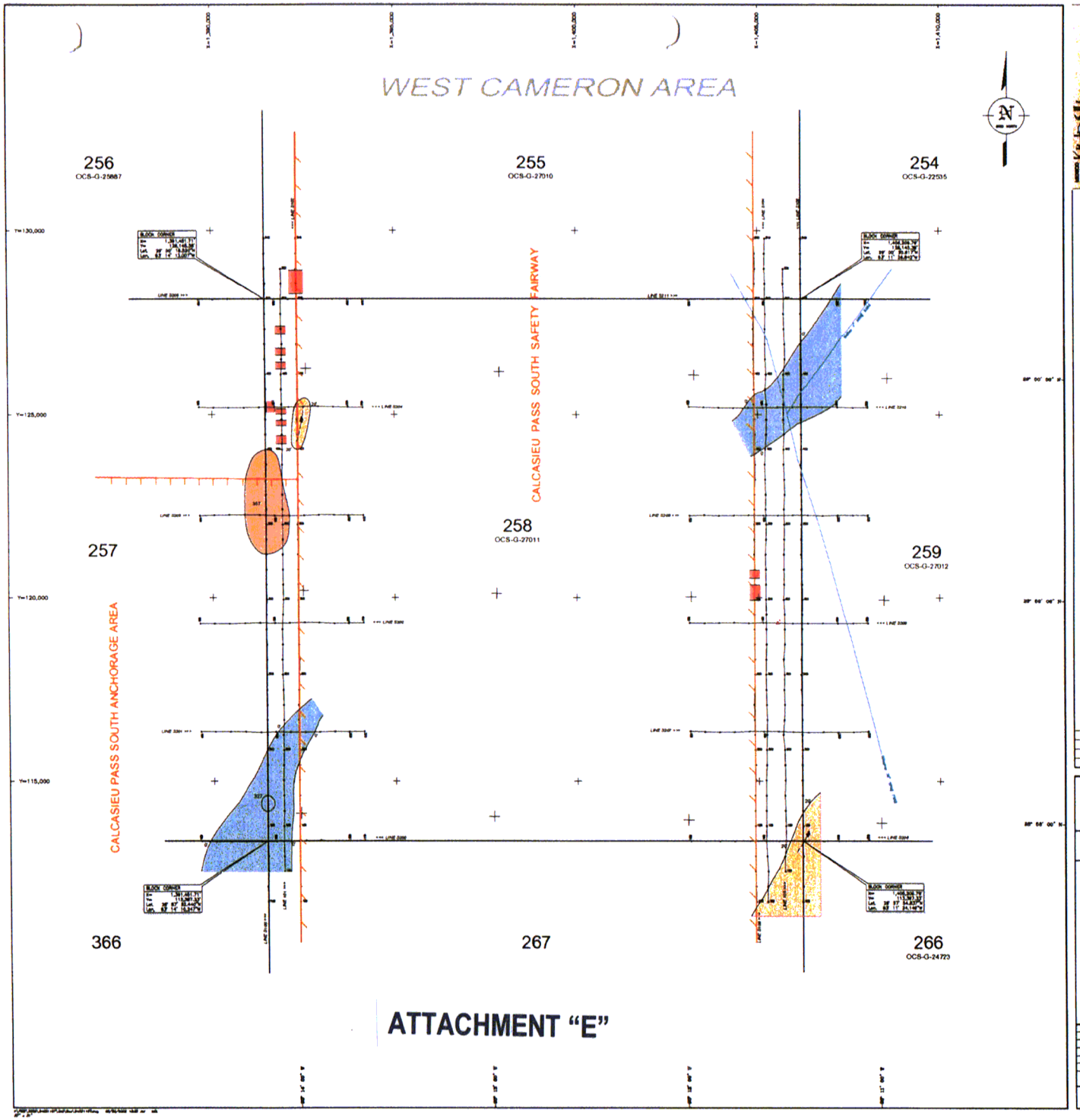
## Hydrogen Sulfide Classification

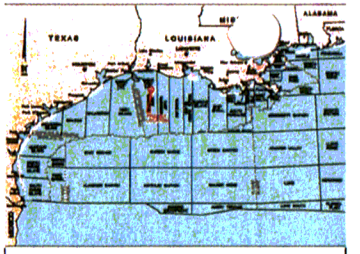
In accordance with Title 30 CFR Part 250.417(c) Coldren requests that West Cameron Block 258, OCS-G 27011, be classified by the Minerals Management Service as an area where the absence of hydrogen sulfide ("$H_2S$") has been confirmed.

The nearest well is the Odeco West Cameron 256, OCS-G 02001 #003 located 11,500' west-northwest was drilled to TD 9594' MD/ 9587' TVD in January 1971 through the proposed objective and encountered no $H_2S$. Coldren Oil and Gas respectively request the MMS declare the objective section $H_2S$ absent.

## Hydrogen Sulfide 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 "$H_2S$ Absent".




## LEGEND

UNIDENTIFIED MAGNETIC ANOMALY

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |

** IMPORTANT - PLEASE NOTE **

ANY COMMUNICATION AND/OR POWER CABLES THAT MAY BE PRESENT IN THE AREA CANNOT BE LOCATED BY INSTRUMENTS UTILIZED DURING THIS SURVEY. INQUIRIES SHOULD BE MADE TO INTERESTED PARTIES AS TO THE PRESENCE OF SUCH OBSTRUCTIONS.

| | |
|---|---|
| GEODETIC DATUM NAD 1927 | CENTRAL MERIDIAN 91°20'W |
| ELLIPSOID CLARKE 1866 | X ORIGIN = 2,000,000 E AT CENTRAL MERIDIAN |
| PROJECTION LAMBERT | Y ORIGIN = 0 N AT 29°40'N |
| ZONE LOUISIANA SOUTH | GRID UNITS METERS |

SCALE = 1:12000

0 1,000 2,000 3,000 4,000 5,000

FEET

LYMAC EXPLORATION AND PRODUCTION, LLC

ARCHAEOLOGICAL & HAZARD MAP

OCS-G-27011

BLOCK 258

WEST CAMERON AREA

| | |
|---|---|
| SURVEY DATE: JUNE 30 JULY 1, 2000 | |
| SURVEY VESSEL: R/V AMBASSADOR | |
| POSITIONING BY: STARFIX | DRAFTED BY: M. LEBLANC |
| INTERPRETATION BY: J. MARSHALL | CHECKED BY: B. DUVAL |
| DATE: AUGUST 23, 2000 | REVISIONS: |
| JOB NO: 2609-1197 | DWG NO: 2609197.DWG |

MAP 2 OF 3

Fugro GeoServices, Inc.

ATTACHMENT "E"

FUGRO GEOSERVICES, INC.

200 Dulles Drive
Lafayette, Louisiana 70506
Phone: (337) 237-2636
Fax: (337) 268-3221

November 23, 2005

Coldren Oil & Gas Company
229 St. Charles Avenue, Suite 724
New Orleans, LA 70130

Attention: Mr. Tom Gosserand

**Re: Exploration Plan – Site Clearance Letter**
**Proposed "A" Well Surface Location**
**Block 258, West Cameron Area (OCS-G-27011)**
**Job No. 2405-1410 (based on 2405-1197)**

Fugro GeoServices, Inc. was contracted by Coldren Oil & Gas Company to assess seafloor and subbottom conditions at the proposed "A" well surface location in Block 258, West Cameron Area (WC). 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 location has been projected on the Bathymetry Map and Archaeological and Hazard Map from the original 2005 report.

**Introduction**

Minerals Management Service stipulates that analysis of hazards for Exploration Plans (EP's) may be made from available geophysical and geological data. The proposed surface location is located within coverage provided by a 2005 Archaeological and Hazard Survey performed in Block 258, West Cameron Area for Lymac Exploration and Production, LLC by Fugro GeoServices, Inc. The survey was performed aboard the *R/V Albuquerque* during June 30 and July 1, 2005. Sea conditions during data acquisition were moderate with 1-4 foot seas and winds of 5 to 15 knots. The quality of the collected geophysical data was good, and the data were adequate for interpretation. Horizontal positioning of the survey vessel was accomplished with the Fugro STARFIX® System that provides 24-hour operation with a field accuracy of ± 3 meters. Geophysical systems included the Echotrac DF-3200 Fathometer MKII, O.R.E. subbottom profiler, SeaSPY magnetometer, EdgeTech 260-TH side scan sonar, and Seismic Systems, Inc. GI GUN®. The Calcasieu Pass South Safety Fairway covers most of WC258 and the survey area was divided on each side of the fairway. Survey coverage consisted of two parts. On the west side of the fairway, coverage consisted of three north-south primary tracklines (Lines S100, 101, and S102) spaced 130 meters (~426 feet) apart and six east-west tielines (Lines S200-S205) spaced 900 meters (~2,953 feet) apart. On the east side of the fairway, coverage consisted of four north-south primary tracklines (Lines S103, S104, 105, and S106) spaced 130 meters (~426 feet) apart and six east-west tielines (Lines S206-S211) spaced 900 meters (~2,953 feet) apart. Echotrac and sonar was run on Lines 101 and 105 and all systems were run on the remaining tracklines. 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. The final report was prepared in August of 2005 by Gerald Marshall, Senior Geologist and Laura Landry, Consulting Marine Archaeologist.

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. It should be noted that the geophysical data for this report was acquired before the passing of Hurricane Rita. The study area lies several miles southwest of the centerline of Hurricane Rita's path and extensive damage may have occurred within the area with the passage of the hurricane. The survey area may now contain hurricane related debris and/or existing features may have moved. This letter only addresses the conditions prior to Hurricane Rita.

Coldren Oil & Gas Company proposes to drill the "A" well within the northwest quadrant of WC258.

420.29' FWL, 3,426.38' FNL
X = 1,391,872.00', Y = 124,719.00'
Latitude: 28° 59' 44.674"N, Longitude: 93° 14' 07.634"W

**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. Tide data from the Calcasieu Pass Lighthouse, Louisiana tide gage were also incorporated into the water depths to correct the depths to Mean Lower Low Water (MLLW). The water depth at the proposed location is –82 feet MLLW.
- Bathymetric contours indicate a smooth seafloor within the vicinity of the proposed site that slopes to the north at a gradient of approximately 3 feet per mile or 0.03°.
- The side scan sonar records exhibit a moderately light seafloor reflectivity. A few drag marks and trawl scars were also noted.
- Bottom sediments were reported to consist of clayey sand within the vicinity of the proposed site (Minerals Management Service, Visual No. 3, 1983). Cores would be required to determine the specific sediment type and precise geotechnical properties of the bottom sediments for any particular location within the survey area.
- There were no man-made features, unidentified magnetic anomalies, or sonar contacts within 1,000 feet of the proposed. Calcasieu Pass South Safety Fairway is 450 feet east of location.
- Pinger profiles displayed 20 feet of acoustically amorphous sediment overlying a unit of variable amplitude parallel reflectors. As reported, acoustic voids were noted buried 20 feet below the seafloor and the proposed site lies within one of these voids just north of the boundary. The gas pressure within these features is unknown, but the pinger acoustic signal was attenuated, indicating that the pressure is higher than in the surrounding sediments. Whelan, et al. (1977) has reported that sedimentary methane concentrations in excess of 30 ml/liter are sufficient to attenuate the 3.5 kHz seismic signals due to bubble phase scattering and absorption of the high frequency sound waves. Gas saturation in sediments tends to lower vane shear strength.
- Channels downcut from 20 feet below the seafloor and one of these channels lie 300 feet to the east of the proposed site.
- High amplitude seismic anomalies were observed on the processed air gun records and may represent possible high-pressure gas zones. One of these anomalies, buried 357 milliseconds below the seafloor, lies about 750 feet to the southwest of the proposed location. Seismic amplitude analysis is a subjective process, therefore, digital data collected near proposed well locations should be inspected for evidence of potential subbottom hazards to drilling.

**Archaeological Assessment**

The following Archaeological Assessment is based on an Archaeological & Hazard Report and Study Maps produced as a result of a 2005 Archaeological and Shallow Hazards Survey performed by Fugro GeoServices, Inc, in Block 258, West Cameron Area, for Lymac Exploration and Production, LLC. Gerald Marshall completed the geohazard interpretation for the report while Laura A. Landry authored the archaeological assessment for the report.

- Block 258 (OCS-G-27011), West Cameron Area, offshore Louisiana is in an area of high probability for prehistoric archaeological sites and historic shipwrecks requiring 300-meter line spacing (U.S. Department of the Interior, Mineral Management Service [USDI MMS] 2005; Coastal Environments, Inc. [CEI], 1977).

- The regional probability for shipwrecks in this area is considered to be low; preservation of a wreck would be moderate (Pearson et al. 2003). Analyses of available shipwreck sources, as well as the FUGRO CHANCE database, indicate that no shipwrecks have been reported within Block 258, West Cameron Area. The nearest reported shipwreck to the current survey area is listed below:

| NAME | DATE | SOURCE | SHIP LAT. | SHIP LON. | Location Reliability | AREA | BLOCK |
|---|---|---|---|---|---|---|---|
| El Tigre Grande | 1970 | MVUS | 28.943600 | -93.211113 | 2 | WC | 267 |

- Three were no unidentified magnetic anomalies, unusual depressions, scours, sediment changes, or unidentified seafloor targets observed within 1,000 feet of the proposed surface location that could represent unidentified shipwreck remains.
- The subbottom profiler data recorded 20 feet of acoustically amorphous sediments overlying an erosional unconformity. Below the unconformity, sediments consist of amorphous zones separated by strong horizontal reflectors to the limits of penetration.
- Two generation of channels were noted within the survey area. The first generation of channeling consists of fragmented channel segments in the western and southeastern portions of the survey area recorded at depths of approximately 20 feet below the seafloor. A second generation of channeling downcuts from the seafloor and consists of a single, wide, northeast-southwest trending channel segment whose margins appear truncated at the seafloor. Neither generation of channeling is interpreted as high probability areas for the occurrence of prehistoric archaeological sites.
- It is possible that historic shipwreck materials may not be detected by the geophysical instruments or may be obscured by modern debris. If wooden planking or other cultural materials that could represent shipwreck remains are encountered, the USDI MMS archaeologists should be contacted to provide an assessment of these artifacts.

**Conclusions**

Based on the previous interpretation, the proposed "A" surface location is clear of any debris or obstacles to drilling activities. Hurricane related debris could exist within the area after the passage of the Hurricane Rita. Caution should be excised when working within the vicinity of the acoustic voids. For additional information, please refer to the 2005 Report. Thank you, and please call if you have any questions or need additional information (337-268-3235).

Sincerely,

Barbara J. DuVal
Senior Geologist/Team Manager

Mark A. Melancon
Marine Archaeologist

Ted Hampton
Marine Archaeologist

**ATTACHMENT "E-1"**

# SECTION 4
## BIOLOGICAL INFORMATION

### Chemosynthetic Information

The activities proposed under this Initial Exploration Plan do not require the preparation of this data by Coldren .

### Topographic Features

The activities proposed under this Initial Exploration Plan do not require the preparation of this data by Coldren.

# SECTION 5
## WASTE DISPOSAL AND DISCHARGE

### Disposal & Discharge Compliance

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 location 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, Coldren Oil & Gas Company 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 Waste Disposal

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.

## Oilfield Waste Disposal

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.

## Liquid Waste Disposal

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.

## Commercial Facilities

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.

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.

## 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 Coldren's operations in West Cameron Block 258, as proposed, are not required to be reported under this plan.

## Methods & Locations

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

# ATTACHMENT I
## WASTE DISPOSAL TABLE

| Type of Waste | Amount | Rate per Day | Name/Location of Disposal Facility | Treatment, Storage, and Disposal Method |
|---|---|---|---|---|
| Oil-contaminated Produced sand | 200 lb/yr | 0.2 bbl/day | Newpark Berwick, LA | Store in cutting box and transport to land farm |
| Waste Oil | 100 lb/yr | 0.1 bbl/day | Newpark Berwick, LA | Tote tanks or drums and transported onshore and picked up by vendors |
| Trash and debris | 724 ft3 | 2 ft3 | Waste Management Berwick, LA | Transport in compactor bags or trash bin |
| Scrap Iron | 1000 lb | 2.7 bbl/day | M.I. Dock Berwick, LA | Transport in scrap iron bin to shore location |
| Produced Water | 182,500 bbl/yr | 500 bbl/day | WC 258, OCS-G 27011 | Treated to remove oil & grease. Discharged overboard |
| Deck Drainage | 0 - 365 bbl/yr Dependant upon rainfall | 1 bbl/day | WC 258, OCS-G 27011 | Treated to remove oil & grease. Discharged overboard |

# SECTION 6
## OIL SPILL RESPONSE

### Worst Case Discharge: <1000 barrels

The volume of the worst-case discharge scenario (calculated according to 30 CFR Part 254.47 (a) or (b), as appropriate is less than 1000 barrels over a 30-day period. Therefore, the information is as follows:

Company Name:
OSRP Approval Date:
Worst Case Certification Approval Date:

Name of OSRO (Equipment):
Name of OSRO (Personnel – Primary):

Alternative Method for Transfer of Liquid Hydrocarbons Other than Pipeline:

### Worst Case Discharge: >1000 barrels

The volume of the worst-case discharge scenario (calculated according to 30 CFR Part 254.47 (a) or (b), as appropriate 1000 barrels or more over a 30-day period. Therefore, the information is as follows:

Company Name:
**Coldren Oil & Gas Corporation**

OSRP Approval Date:
**November 01, 2005 (Submitted)**

Worst Case Certification Approval Date:
**November 01, 2005 (Submitted)**

Name of OSRO (Equipment):
**CGA / MSRC**

Name of OSRO (Personnel-Primary):
**AMPOL**

Alternative Method for Transfer of Liquid Hydrocarbon Other Than Pipeline:
**Not Applicable**

## Worst Case Versus Proposed Operations

| CATEGORY | REGIONAL OSRP | EP |
|---|---|---|
| Type of Activity | Exploratory Drilling | Exploratory Drilling |
| Spill Location (Area / Block) | Grand Isle Block 81 | West Cameron Block 258 |
| Facility Designation | Well Location "A" | Well Location "A" |
| Distance to Nearest Shoreline (miles) | 31 miles | 51 miles |
| Storage Tanks (total)<br>Flowlines (on facility)<br>Lease term pipelines<br>Uncontrolled blowout<br>Total Volume: | 0 bbls<br>0 bbls<br>0 bbls<br>10 bbls<br>10 bbls | 0 bbls<br>0 bbls<br>0 bbls<br>10 bbls<br>10 bbls |
| Type of Oil(s) | Condensate | Condensate |
| API Gravity(s) | 45° | 45° |

## Calculated Volume

Calculated Volume of Worst Case Discharge Scenario Per 254.47 (a) or (b) for the operations proposed under this Initial Plan of Exploration:

| | | |
|---|---|---|
| 254.47 (a) | Oil Production Platform Facility | Not Applicable |
| 254.47 (b) | Exploratory or Development Drilling | 10 |

## Revised Worst Case Discharge Scenario

Not applicable. Coldren Oil & Gas Company has submitted their Initial Regional Oil Spill Response Plan on November 01, 2005. Grand Isle Block 81, Exploratory Location "A" is the "Worst Case Discharge Scenario" as noted above.

## Spill Response Certificate Statement

Since Coldren Oil & Gas Company has the capability to respond to the worst-case spill scenario included in its regional OSRP and since the worst-case scenario determined in the Initial Exploration Plan does not replace the Worst-Case Scenario in our Regional OSRP, I hereby certify that Coldren Oil & Gas Corporation 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 proposed activities in our Initial Exploration Plan.

The Coldren's Regional OSRP will cover activities proposed under this plan.

# SECTION 7
# AIR EMISSIONS INFORMATION

## Emissions Data

Specific information regarding the emissions related to the operations proposed under this Initial Exploration Plan can be found in Attachment "J" of this plan, which follows.

**EXPLORATION PLAN (EP)** **OMB Control No. XXX-XXX**
**AIR QUALITY SCREENING CHECKLIST** **Expiration Date: Pending**

| | |
|---|---|
| **COMPANY** | Coldren Oil and Gas Company |
| **AREA** | West Cameron |
| **BLOCK** | 258 |
| **LEASE** | OCS-G 27011 |
| **PLATFORM** | N/A |
| **WELL** | A |
| | |
| **COMPANY CONTACT** | J. V. Delcambre |
| **TELEPHONE NO.** | 337.593.9420 |
| **REMARKS** | DRILL & Evaluate - 1 EXPLORATORY WELL |

| "Yes" | "No" | Air Quality Screening Questions |
|---|---|---|
| | X | 1. Is any calculated Complex Total (CT) Emission amount (in tons) assoicated with your proposed exploration activities more than 90% of the amounts calucated using the following formulas: CT=3400D $^{2/3}$ for CO, and CT=33.3D for the other air pollutnts (where D=distance to shore in miles)? |
| | X | 2. Do your emission calculations include any emission reduction measures or modified emission factors? |
| | X | 3. Are the proposed activities east of 87.5$^{o}$ W latitude? |
| | X | 4. Are $H_2S$ concentrations greater than 20 ppm expected? |
| | X | 5. Is gas flaring proposed for greater than 48 continuous hours per well? |
| | X | 6. Is produced liquid burning proposed? |

If ALL questions are answered "No":
Submit only this coversheet with your plan; a full set of spreadsheets is not needed.

If ANY of questions 1 through 7 is answered "Yes":
Prepare and submit a full set of **EP** spreadsheets with your plan.

If question number 8 is answered "Yes":
Prepare and submit a full set of **DOCD** spreadsheets showing the cumulative emissions from both the proposed activities and the existing production platform.

**Form MMS-138 (March 2000)**

**ATTACHMENT "J"**

**OMB Control No. xxxx-xxxx**
**Expiration Date: Pending**

| COMPANY | AREA | BLOCK(S) | LEASE(S) | PLATFORM | WELL |
|---|---|---|---|---|---|
| Coldren Oil & Gas | West Cameron | 258 | OCS-G 27011 | N/A | A |

| **Year** | **Emitted Substance** | | | | |
|---|---|---|---|---|---|
| | **PM** | **SOx** | **NOx** | **VOC** | **CO** |
| **2006** | **1.88** | **7.47** | **57.88** | **2.70** | **17.09** |
| **Allowable** | **1698.30** | **1698.30** | **1698.30** | **1698.30** | **46758.33** |

# SECTION 8
# ENVIRONMENTAL IMPACT

## Description of Proposed Activity

This environmental impact analysis addresses the activity proposed by Coldren Oil and Gas Company (Coldren) for West Cameron Block 258, OCS-G 27011. 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).

Coldren proposes to utilize a jack-up type rig to drill, one (1) well to bottom hole in the West Cameron, Block 258 with it's respective surface location also being in the West Cameron, Block 258.

## 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 located within twenty seven (27) miles of the nearest topographic feature, which is the "29 Fathom " Bank.

It is highly unlikely that any accidental surface or subsurface oil spill would occur from the activities detailed in this plan.

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

## 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 290 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 290 miles away from the pinnacle trend area live bottom, which is located off of Main Pass Area, and will have no effect on the pinnacle trend area live bottom because of the distance from said feature.

It is highly unlikely that any accidental surface or subsurface oil spill would occur from the activities detailed in this plan. Any accidents including oil and chemical spills, or $H_2S$ releases from the proposed activities will have no effect on the pinnacle trend area live bottom because of the distance (290 miles) from the proposed activity to the pinnacle trend area live bottom.

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

## 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 228 miles away from the nearest Eastern Gulf Live Bottom, located off of the mouth of the Mississippi River.

Effluent discharges, including drilling muds, cuttings, and other approved discharges to the water column or seafloor will have no effect on the nearest Eastern Gulf Live Bottom because of the distance from the proposed activity to the Eastern Gulf Live Bottom. All discharges will be made in accordance with a general National Pollutant Discharge

Elimination System (NPDES) permit issued by the U. S. Environmental Protection Agency (USEPA).

All proposed bottom-disturbing activities, mainly rig emplacement, are 228 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 $H_2S$ releases from the proposed activities will have not effect on the nearest Eastern Gulf Live Bottom because of the distance (228 miles) from the proposed activity to the Eastern Gulf Live Bottom.

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

## Chemosynthetic Communities

The proposed activities detailed in this initial EP will take place in water depths ranging from 81 to 83 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 Coldren Oil and Gas Company's Regional Oil Spill Response Plan.

## 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 West Cameron Block 258 are completed, Coldren 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.

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).

## 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 sub-lethal 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 Coldren Oil and Gas Company's Regional Oil Spill Response Plan.

## 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 novaeansgliae), 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.

## Sea Turtles

Endangered or threatened sea turtle species which might occur in the Gulf of Mexico are Kemp's ridley turtle (Lepidochelys kempii), green turtle (Chelonia mydas), hawksbill turtle (Eretmochelys imbricata), leatherback turtle (Dermochelys coriacea), and loggerhead turtle (Caretta caretta) (USDOI. Region IV Endangered Species Notebook). Impact producing factors such as noise etc. may disrupt normal behavior patterns and could create stress to sea turtles thereby weakening their immune systems. Contact with oil or chemicals could affect sea turtles. However, oil spill response planning should mitigate the effects of these threats.

Few lethal effects to sea turtles are expected from oil or chemical spills. A small number of turtles could be killed or injured as a result of collision with service vessels or by eating indigestible trash accidentally lost from drilling rigs or service vessels. No adverse impacts to sea turtles are anticipated as a result of the proposed activities.

## Air Quality

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

## Shipwreck Sites

The area of proposed activities falls within the zone designated as an area with a high probability of pre-historic archeological resources. A Geophysical Survey Report for West Cameron Block 258 was prepared by Fugro GeoServices, Inc. in August 2005 for Lymac Exploration & Production, and the following was extracted from that report:

There were no unidentified magnetic anomalies, unusual depressions, scours, sediment changes, or unidentified seafloor targets observed within 1,000 feet of the proposed surface location that could represent unidentified shipwreck remains. Additionally, the regional probability for shipwrecks in this area is considered to be low. Analysis of available shipwreck sources, as well as the FUGRO CHANCE database, indicates that no shipwrecks have been reported within Block 258, West Cameron Area.

## Prehistoric Archeological Sites

The area of proposed activities falls within the zone designated as an area with a high probability of pre-historic archeological resources. A Geophysical Survey Report for West Cameron Block 258 was prepared by Fugro GeoServices, Inc. in August 2005 for Lymac Exploration & Production, and the following was extracted from that report: There were no man-made features, unidentified magnetic anomalies, or sonar contacts within 1,000 feet or the proposed "A" surface location.

## 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. Coldren Oil and Gas Company'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.

## Marine & 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. Coldren Oil and Gas Company'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.

## Public Health & Safety

The proposed surface location in West Cameron Block 258 is located approximately 51 miles from the nearest shoreline and 136 miles from the onshore base at Berwick, Louisiana. There are no impact producing factors from the proposed activities, i.e. an accidental release of $H_2S$, which could cause impacts to public health and safety. In accordance with Title 30 CFR Part 250.417(c), Coldren requests that West Cameron Block 258, OCS-G 27011, be classified by the Minerals Management Service as an area where the absence of hydrogen sulfide ("$H_2S$") has been confirmed. The Exxon West Cameron 255, OCS-G 03271 #001 well located 14,000' N-E was drilled to 11,601' MD/10588' TVD, and encountered no $H_2S$. The Odeco West Cameron 256, OCS-G 02001 #001 located 15,000' N-W was drilled to 9669' MD/TVD and encountered no $H_2S$. Coldren Oil and Gas respectively request the MMS declare the objective section $H_2S$ absent.

## Beaches

Proposed activities under this initial EP will occur approximately 51 miles from the coastline and 136 miles from the shorebase at Berwick, 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 Coldren Oil and Gas Company's Regional Oil Spill Response Plan, no adverse impacts to beaches are anticipated as a result of the proposed activities.

## Wetlands

The proposed surface location in West Cameron Block 258 is located approximately 51 miles from the nearest shoreline and 136 mile from the onshore base at Berwick, 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 Coldren Oil and Gas Company's Regional Oil Spill Response Plan, no adverse impacts to wetlands are anticipated as a result of the proposed activities.

## Shore & Coastal Nesting Birds

The proposed surface location in West Cameron Block 258 is located approximately 51 miles from the nearest shoreline and 136 miles from the onshore base at Berwick, 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 Coldren Oil and Gas Company'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.

## Coastal Wildlife Refuges

The proposed surface location in West Cameron Block 258 is located approximately 51 miles from the nearest shoreline and 136 miles from the onshore base at Berwick, 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 Coldren Oil and Gas Company's Regional Oil Spill Response Plan, no adverse impacts to coastal wildlife refuges are anticipated as a result of the proposed activities.

## Wilderness Areas

The proposed surface location in West Cameron Block 258 is located approximately 51 miles from the nearest shoreline and 136 miles from the onshore base at Berwick, 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 Coldren Oil and Gas Company's Regional Oil Spill Response Plan, no adverse impacts to wilderness areas are anticipated as a result of the proposed activities.

## Activity Impact

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

## Alternatives

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

## Mitigation Measures

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

## Consultation

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

## 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.

## 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.
Archeological and Shallow Hazard Survey Report, Lymac Exploration and Production, LLC, West Cameron Block 258, OCS-G 27011, August 2005.

# SECTION 9
## COASTAL ZONE MANAGEMENT

### Consistency Certification

Included in this section is Attachment L – a signed CZM Consistency Certification statement.

**COASTAL ZONE MANAGEMENT PROGRAM**
**CONSISTENCY CERTIFICATION**
**STATE OF LOUISIANA**

**COASTAL ZONE MANAGEMENT PROGRAM**
**CONSISTENCY CERTIFICATION**

**WEST CAMERON BLOCK 258**
Area and Block(s)

**OCS-G 27011**
Lease(s)

The proposed activities described in detail in this proposed Plan comply with the enforceable policies of the State of Louisiana approved Coastal Management Program (s) and will be conducted in a manner consistent with such Program(s). Coldren Oil and Gas Company has considered all of Louisiana's enforceable policies prior to making this consistency statement.

**COLDREN OIL AND GAS COMPANY**
Applicant

**William J. Dwyer** William J. Dwyer (RF)
Certifying Official

**1-Dec-05**
Date

**Attachment "L"**

# SECTION 10
## OCS PLAN INFORMATION

**Form MMS-137**

Included in this section is a completed copy of the OCS Plan Information Form, MMS-137.

**U.S. Department of the Interior**

**Minerals Management Service**

**OMB Control Number: 1010-0049**

**OMB Approval Expires: August 31, 2006**

# OCS PLAN INFORMATION FORM

## General Information

| | | | | | |
|---|---|---|---|---|---|
| Type of OCS Plan: | X | Exploration Plan (EP) | | Development Operations Coordination Document (DOCD) | |
| Company Name: | Coldren Oil and Gas Company | | MMS Operator Number: | 2841 | |
| Address: | 5800 Hwy 90 East | | Contact Person: | J. V. Delcambre | |
| | Broussard, Louisiana 70518 | | Phone Number: | 337-593-9420 | |
| | | | E-Mail Address: | jv@regservicesinc.com | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lease(s): | OCS-G 27011 | Area: | WC | Block(s): | 258 | Project Name (If Applicable): | WC 258 | | | | |
| Objective(s): | X | Oil | X | Gas | | Sulphur | | Salt | Onshore Base: | Berwick, LA | Distance to Closest Land (Miles): 51 |

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

| | | | |
|---|---|---|---|
| X | Exploration drilling | | Development drilling |
| | Well completion | | Installation of production platform |
| | Well test flaring (for more than 48 hours) | | Installation of production facilities |
| X | Installation of caisson or platform as well protection structure | | Installation of satellite structure |
| | Installation of subsea wellheads and/or manifolds | | Commence production |
| | Installation of lease term pipelines | | Other (Specify and describe) |

| | | | | |
|---|---|---|---|---|
| Have you submitted or do you plan to submit a Conservation Information Document to accompany this plan? | | Yes | X | No |
| Do you propose to use new or unusual technology to conduct your activities? | | Yes | X | No |
| Do you propose any facility that will serve as a host facility for deepwater subsea development? | | Yes | X | No |
| Do you propose any activities that may disturb an MMS-designated high-probability archaeological area? | | Yes | X | No |
| Have all of the surface locations of *your* proposed activities been previously reviewed and approved by MMS? | | Yes | X | No |

## Tentative Schedule of Proposed Activities

| Proposed Activity | Start Date | End Date | No. of Days |
|---|---|---|---|
| Drill WC 258 Well "A" | 1/27/2006 | 2/1/2006 | 6 |
| Evaluate & TA Well "A" | 2/2/2006 | 2/5/2006 | 4 |
| Install Caisson as Well Protector | 2/6/2006 | 2/8/2006 | 3 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

## Description of Drilling Rig

| | | | |
|---|---|---|---|
| X | Jackup | | Drillship |
| | Gorilla Jackup | | Platform rig |
| | Semisubmersible | | Submersible |
| | DP Semisubmersible | | Other (Attach Description) |
| Drilling Rig Name (If Known): | | | |

## Description of Production Platform

| | | | |
|---|---|---|---|
| | Caisson | | Tension leg platform |
| | Well protector | | Compliant tower |
| | Fixed platform | | Guyed tower |
| | Subsea manifold | | Floating production system |
| | Spar | | Other (Attach Description) |

## Description of Lease Term Pipelines

| From (Facility/Area/Block) | To (Facility/Area/Block) | Diameter (Inches) | Length (Feet) |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |

**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): | Subsea Completion | | | |
|---|---|---|---|---|
| West Cameron Block 258, Well "A" | | | | |
| Anchor Radius (if applicable) in feet: N/A | | Yes | X | No |

| | Surface Location | Bottom-Hole Location (For Wells) |
|---|---|---|
| **Lease No.** | OCS G-27011 | OCS |
| **Area Name** | West Cameron | |
| **Block No.** | 258 | |
| **Blockline Departures (in feet)** | N/S Departure: 3426' F N L | N/S Departure: F ____ L |
| | E/W Departure: 420' F W L | E/W Departure: F ____ L |
| **Lambert X-Y coordinates** | X: 1,391,872.00' | X: |
| | Y: 124,719.00' | Y: |
| **Latitude/ Longitude** | Latitude 28° 59' 44.674" | Latitude |
| | Longitude -93° 14' 07.634" | Longitude |

| TVD (Feet): | MD (Feet): | Water Depth (Feet): |
|---|---|---|
| | | 82' |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| 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= | |

**Paperwork Reduction Act of 1995 Statement:** The Paperwork Reduction Act of 1995 (44 U.S.C. Chapter 35) requires us to inform you that MMS collects this information as part of an applicant's Exploration Plan or Development Operations Coordination Documents