

UNITED STATES GOVERNMENT
MEMORANDUM


October 31, 2002

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

Subject: Public Information copy of plan
Control # - S-06049
Type - Supplemental Exploration Plan
Lease(s) - OCS-G21115 Block - 139 Ship Shoal Area
Operator - Samson Offshore Company
Description - wells D and E
Rig Type - JACKUP

Attached is a copy of the subject plan.

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


Robert Stringfellow
Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
WELL/D	G21115/SS/139	5300 FSL, 1370 FWL	G21115/SS/139
WELL/E	G21115/SS/139	500 FSL, 700 FWL	G21115/SS/139

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NOTED - SCHEXNAILDRE



Samson
Offshore Company
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394
Tel: (504) 581-1000
Fax: (504) 581-1001
E-mail: info@samson-offshore.com

October 28, 2002



Mr. Donald C. Howard
Regional Supervisor
Office of Field Operations
U.S. Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

RE: Supplemental Exploration Plan for Lease OCS-G 21115, Ship Shoal Block 139, OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

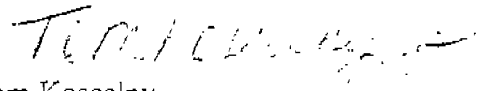
In accordance with the provisions of Title 30 CFR 250.204 and that certain Notice to Lessees (NTL 2000-G21), Samson Offshore Company (Samson) hereby submits for your review and approval eight (8) copies of a Supplemental Exploration Plan for Lease OCS-G 21115, Ship Shoal Block 139, Offshore, Louisiana. Five (5) copies are "Proprietary Information" and three (3) copies are "Public Information".

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

Samson Offshore Company anticipates activities will commence under this proposed Supplemental Exploration Plan on approximately December 15, 2002.

Should additional information be required, please contact the undersigned, or our regulatory consultant, Cheryl Powell, J. Connor Consulting, Inc. at (281) 578-3388.

Sincerely,


Tom Koscelny
Environmental Supervisor

BEST AVAILABLE COPY

PUBLIC INFORMATION

TK: CRP: jlg
Enclosures

SAMSON OFFSHORE COMPANY
SUPPLEMENTAL EXPLORATION PLAN
LEASE OCS-G 21115
SHIP SHOAL BLOCK 139

SECTION A	<i>Contents of Plan</i>
SECTION B	<i>General Information</i>
SECTION C	<i>Geological, Geophysical & H₂S Information</i>
SECTION D	<i>Biological Information</i>
SECTION E	<i>Wastes and Discharge Information</i>
SECTION F	<i>Oil Spill Response and Chemical Information</i>
SECTION G	<i>Air Emissions Information</i>
SECTION H	<i>Environmental Report</i>
SECTION I	<i>CZM Consistency</i>

CONTENTS OF PLAN

SECTION A

Description
Objectives
Schedule
Plan Information
Location
Production
Facilities
Drilling Unit

LEASE DESCRIPTION/ACTIVITY

Lease OCS-G 21115 was acquired by Newfield Exploration Company at the Central Gulf of Mexico Lease Sale No. 172 held on March 17, 1999. The subject lease was issued with an effective date of May 1, 1999 and primary term ending date of April 30, 2004.

Samson is in the process of becoming the designated operator of the subject oil and gas lease.

OBJECTIVE/SCHEDULE

This Supplemental Exploration Plan provides for the drilling, potential completion, and testing of two (2) exploratory wells (Well Locations D and E) in Ship Shoal Block 139 to test the target sands as detailed in Section C of this plan.

The following schedule details the proposed drilling, and potential completion of the locations provided for in this plan.

<i>Activity</i>	<i>Estimated Start Date</i>	<i>Estimated Completion Date</i>
Drill, Complete, and Test Well Location D	12/15/02	01/21/03
Drill, Complete, and Test Well Location E	01/22/02	02/28/03

PLAN INFORMATION/LOCATIONS

Included in this section as *Attachments A-1 through A-4* is a Plan Information Form, well location plat and bathymetry map prepared in accordance with Appendix J of that certain Notice to Lessees (NTL 2000-G21).

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

Included in the activity schedule shown above are other activities which may be conducted under this Plan, including installation of a minimal well protector structure or net guard.

DESCRIPTION OF DRILLING UNIT

Offshore exploratory activities are carried out from mobile drilling rigs. The five most common types of mobile rigs employed for exploratory drilling offshore are submersible drilling rigs, semi-submersible drilling rigs, jack-up drilling rigs, drillships, and drill barges.

The proposed wells will be drilled and completed with a typical jack-up rig. When a rig is selected, the rig specifications will be made a part of the appropriate Applications for Permit to Drill.

Safety features on the MODU will include well control, pollution prevention, welding procedure, and blowout prevention equipment as described in Title 30 CFR Part 250, Subparts C, D, E, G and O; and as further clarified by MMS Notices to Lessees, and current policy making invoked by the MMS, Environmental Protection Agency and the U.S. Coast Guard. The appropriate life rafts, life jackets, ring buoys, etc., as prescribed by the U. S. Coast Guard will be maintained on the facility at all times.

In accordance with Title 30 CFR Part 250, Subpart O, an operator is to ensure Well Control Training is provided for personnel engaged in oil and gas operations in the OCS Gulf of Mexico. Supervisory and certain designated personnel on-board the facility will be familiar with the effluent limitations and guidelines for overboard discharges into the receiving waters, as outlined in the NPDES General Permit GMG290000.

The operator is charged with the responsibility to not create conditions that will pose unreasonable risk to the public health, life, property, aquatic life, wildlife, recreation, navigation, commercial fishing, or other uses of the ocean. Some of these measures include installation of curbs, gutters, drip pans, and drains on drilling deck areas to collect all contaminants and debris.

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

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

EXPLORATION PLAN	<input checked="" type="checkbox"/>	DEVELOPMENT OPERATIONS COORDINATION DOCUMENT		DEVELOPMENT & PRODUCTION PLAN
OPERATOR:	SAMSON OFFSHORE COMPANY			ADDRESS: SAMSON PLAZA
MMS OPERATOR NO.:	02397			TWO WEST SECOND STREET TULSA, OK 74103-3103
CONTACT PERSON:	CHERYL POWELL			PHONE NO. (281) 578-3388
PROPOSED START DATE:	12/15/02		RIG TYPE: JACK-UP	DISTANCE TO CLOSEST LAND (IN MILES) 18.8
NEW OR UNUSUAL TECHNOLOGY	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO <input checked="" type="checkbox"/>
			ONSHORE SUPPORT BASE(S):	FOURCHON, LA
NARRATIVE DESCRIPTION PROPOSED ACTIVITIES: DRILL AND COMPLETE WELL LOCATIONS D & E.				
				PROJECT NAME, IF APPLICABLE: N/A

PROPOSED WELL/STRUCTURE LOCATIONS

WELL / STRUCTURE NAME	SURFACE LOCATION				BOTTOM-HOLE LOCATION (FOR WELLS)	
Platform _ or Well <input checked="" type="checkbox"/> Name: D	CALLS:	5500'	F S	LAND 1370'	F W L OF	CALLS:
	LEASE OCS BLOCK	G 21115		SHIP SHOAL	AREA.	LEASE OCS BLOCK
	X:	2,172,970.000'				X:
	Y:	35,161,266'				Y:
	LAT:	28° 45' 44.033"				LAT:
LONG:	90° 47' 36.912"				LONG:	
TVD (IN FEET):					MD (IN FEET):	WATER DEPTH (IN FEET): 64'
Platform _ or Well <input checked="" type="checkbox"/> Name: E	CALLS:	500'	F S	LAND 700'	F W L OF	CALLS:
	LEASE OCS BLOCK	G 21115		SHIP SHOAL	AREA.	LEASE OCS BLOCK
	X:	2,172,900.000'				X:
	Y:	30,161,226'				Y:
	LAT:	28° 44' 56.548"				LAT:
LONG:	90° 47' 44.691"				LONG:	
TVD (IN FEET):					MD (IN FEET):	WATER DEPTH (IN FEET): 63'

BEST AVAILABLE COPY

N.O.S. "WHISKEY"
 X = 2,175,752.67
 Y = 139,034.01
 LAT. = 29° 02' 52.181"N
 LONG. = 90° 47' 00.052"W

116
 Y = 43,822.764'

X = 2,186,894.081

117
 138

74
 75

15,294.081'

139
 OCS-G 21115
 SHIP SHOAL AREA

GRID NORTH

3 (OCS-G 21115)
 +

3
 (OCS-0587)

(OCS-G 21115)
 A-1

2
 (OCS-G 21115)

(OCS-G 13915) 1

4
 (OCS-0587)

1 (OCS-0587)

(OCS-0587) 12

(OCS-0587)
 13

(OCS-0588) 2

(OCS-0588) 1

(OCS-0588) 5

(OCS-0587) 2

WELL D (SL)
 X = 2,172,970.000
 Y = 35,161.226
 LAT. = 28° 45' 44.033"N
 LONG. = 90° 47' 36.912"W
 WATER DEPTH = 64'

(OCS-0588) 3

(OCS-0587) 7

(OCS-0587) 8

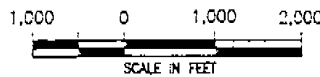
(OCS-0587) 9

(OCS-0587) 10

(OCS-0587) 11

(OCS-0587) 5

PUBLIC INFORMATION



X = 2,186,965.155

15,365.155'

Y = 29,361.226

138
 141

75
 98

Attachment A-2

140

I HEREBY CERTIFY THE ABOVE PROPOSED WELL LOCATION IS CORRECT

Keith A. Codd

Keith A. Codd Tx. Reg. No. 4669

3/16/02

Date

DATUM: NAD 27	SAMSON OFFSHORE COMPANY		
SPHEROID: CLARKE 1866	PROPOSED WELL LOCATION		
PROJECTION: LAMBERT	WELL D		
ZONE: LOUISIANA SOUTH	BLOCK 139		
Thales GeoSolutions, Inc. 3824 Westchase Drive Houston, Texas 77042 Tel: 713-784-4482 Fax: 713-784-8162	DATE 9-13-2002	DRAWN BY: DLN	CHECKED BY: KAC
THALES	REV. DATE	REV. No.:	DRAWING No. 02-1314-PERM
		SCALE: AS SHOWN	JOB No. 02-1314

N.O.S. "WHISKEY"
 X = 2,175,752.67
 Y = 139,034.01
 LAT. = 29° 02' 52.181"N
 LONG. = 90° 47' 00.052"W

116
 Y = 43,822.764'

X = 2,186,894.081

117

74

138

75

15,294.081'

139
 OCS-G 21115
 SHIP SHOAL AREA

GRID NORTH

3 (OCS-G 21115)
 +

3
 (OCS-0587)

(OCS-G 21115)
 A-1

4
 (OCS-0587)

2
 (OCS-G 21115)

(OCS-G 13915)

1

1
 (OCS-0587)

(OCS-0587) 12

(OCS-0587)

13

(OCS-0588)
 2

(OCS-0588)
 1

(OCS-0588)
 5

(OCS-0587)
 2

(OCS-0588)

3

(OCS-0587)
 7

(OCS-0587)
 8

(OCS-0587)
 9

(OCS-0587)
 10

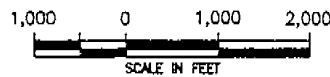
(OCS-0587)
 11

(OCS-0587)
 6

WELL E (SL)
 X = 2,172,300.000
 Y = 30,361.226
 LAT. = 28° 44' 56.548"N
 LONG. = 90° 47' 44.691"W
 WATER DEPTH = 63'

PUBLIC INFORMATION

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X = 2,186,965.155

138

75

141

98

15,365.155'

Y = 29,861.226

Attachment A-3

140

I HEREBY CERTIFY THE ABOVE PROPOSED WELL LOCATION IS CORRECT

DATUM: NAD 27
 SPHEROID: CLARKE 1866
 PROJECTION: LAMBERT
 ZONE: LOUISIANA SOUTH

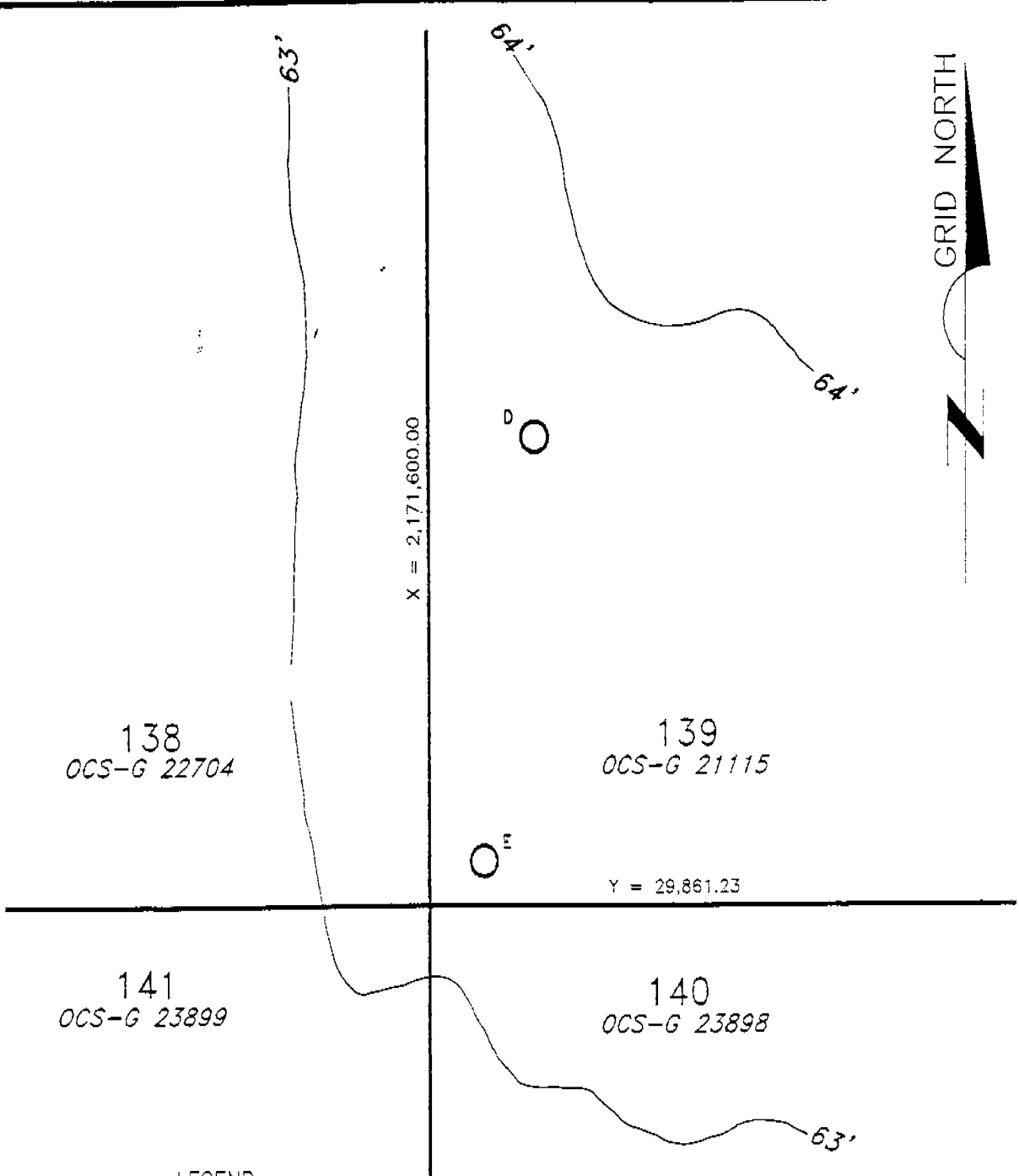
SAMSON OFFSHORE COMPANY

PROPOSED WELL LOCATION
 WELL E
 BLOCK 139
 SHIP SHOAL AREA

Keith A. Codd
 Keith A. Codd Tr. Reg. No. 4669
 9/16/02
 Date

Thales GeoSolutions, Inc.
 3624 Westchase Drive
 Houston, Texas 77042
 Tel: 713-784-4482 Fax: 713-784-8162
THALES

DATE 9-13-2002	DRAWN BY: DLN	CHECKED BY: KAC	DRAWING No. 02-1314-PERM
REV. DATE	REV. No.:	SCALE: AS SHOWN	JOB No. 02-1314



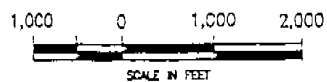
LEGEND:

○ PROPOSED WELL LOCATION

PROPOSED WELL D	
1,370' FWL	
5,300' FSL	
X = 2,172,970.00	
Y = 35,161.23	
LAT. = 28° 45' 44.033"N	
LONG. = 90° 47' 36.912"W	

PROPOSED WELL E	
700' FWL	
500' FSL	
X = 2,172,300.00	
Y = 30,361.23	
LAT. = 28° 44' 56.548"N	
LONG. = 90° 47' 44.691"W	

BLOCK DIAGRAM



SITE SPECIFIC SURVEY
BATHYMETRY MAP

BLOCK 139
SHIP SHOAL AREA

OFFSHORE LOUISIANA

SAMSON OFFSHORE
COMPANY

Thales GeoSolutions, Inc.
36499 Perkins Rd.
Prairieville, Louisiana 70769
Tel: 225-673-5881 Fax: 225-673-5877

THALES

DRN. DLN	PREP. DLN	CAL. TAC	APP. JAS	FILE NO.	02-1314-01A
CHK. JSL	CHK.	CHK.	DATE 9-13-2002	FIG. NO.	1
				MAP 1 OF 1	

GENERAL

SECTION B

Contact
New or Unusual
Technology
Bonding
Onshore Support
Base
New Onshore
Construction or
Expansion of
Support
Facilities
Lease Stipulations
Special Conditions

CONTACT

Inquiries may be made to the following authorized representative:

Cheryl Powell
J. Connor Consulting, Inc.
16225 Park Ten Place, Suite 700
Houston, Texas 77084
(281) 578-3388
E-mail address: cheryl.powell@jccteam.com

NEW OR UNUSUAL TECHNOLOGY

Samson does not propose utilizing any new or unusual technology during the proposed drilling and potential completion operations.

BONDING

In accordance with NTL N2000-G16 which implements the requirements for general lease surety bonds contained in 30 CFR 256, Subpart I, Samson has submitted to the Minerals Management Service a \$1,000,000 Areawide Exploratory Bond.

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

ONSHORE SUPPORT BASE

Ship Shoal Block 139 is located approximately 18.8 miles from the nearest Louisiana shoreline and approximately 42 miles from the onshore support base located in Fourchon, Louisiana. A Vicinity Plat showing the location of Ship Shoal Block 139 relative to the shoreline and onshore base is included as *Attachment B-1*.

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Samson will utilize onshore facilities located in Fourchon, Louisiana, which 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 base, drinking and drill water, etc. The base will also serve as a loading point for tools, equipment and machinery to be delivered to the MODU, crew change and transportation base, and temporary storage for materials and equipment. The facilities typically include outdoor storage, forklift and crane service, dock, trailer facilities, and parking, as well as 24-hour service, a radio tower with a phone patch.

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

Support Vessel	Drilling and Completion Trips Per Week
Crew Boat	9
Supply Boat	5
Helicopter	As needed

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

NEW ONSHORE CONSTRUCTION OR EXPANSION OF SUPPORT FACILITIES

The proposed operations do not mandate any immediate measures for land acquisition or expansion of the existing onshore base facilities.

Dredging and filling operations will not be required for the operations, nor will any new construction or expansion of onshore facilities be involved for the operations proposed in this Supplemental Exploration Plan.

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.

Minerals Management Service did not invoke any stipulations for Lease OCS-G 21115, Ship Shoal Block 139.

CULTURAL RESOURCES

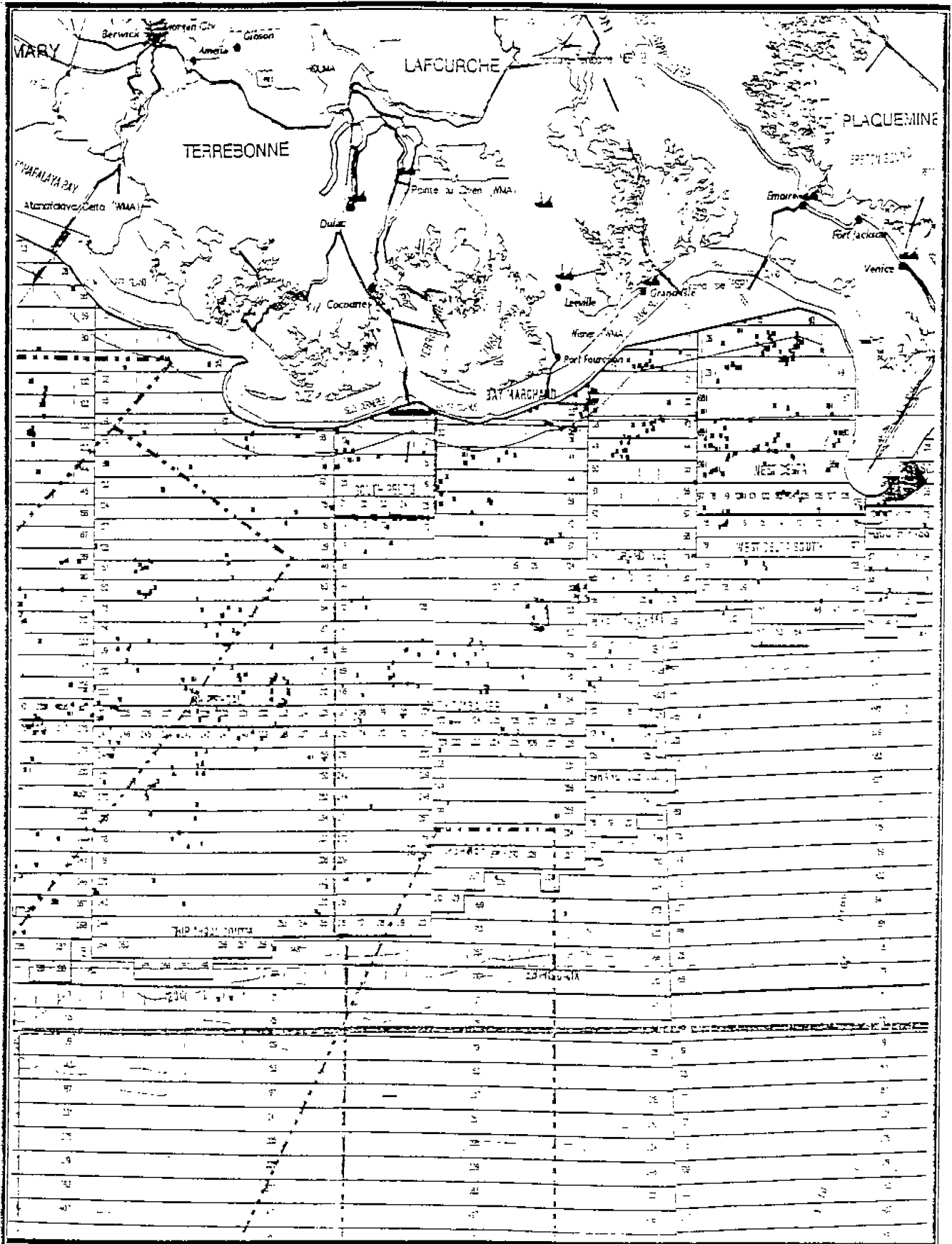
This requirement provides protection of prehistoric archaeological resources by requiring remote sensing surveys in areas designated to have a high probability for archaeological resources and by requiring protection of archaeological resources discovered outside of the designated high probability zones.

As stated in Minerals Management Service Letter to Lessees (LTL) dated September 5, 1995, effective November 21, 1994, a final rule was published in the Federal Register which added a new section, 30 CFR 250.126, titled "Archaeological Reports and Surveys", to Minerals Management Service Operating Regulations. This rule was developed to convert the requirements contained in Stipulation No. 1 into regulations, which apply to all leases located within areas determined as having a high probability for the occurrence of archaeological resources.

Ship Shoal Block 139 has been designated by Minerals Management Service as an area having a high probability for archaeological resources; therefore, the Cultural Resources requirement has been invoked.

SPECIAL CONDITIONS

The proposed activities in Ship Shoal Block 139 are not affected by any special conditions, which may impact the operations.



SAMSON OFFSHORE COMPANY

SHIP SHOAL BLOCK 139
VICINITY MAP

G & G INFORMATION

SECTION C

Structure Contour

Maps

Trapping Features

Depth of Geopressure

Shallow Hazards and

Interpreted Seismic

Lines

Geological Structure

Cross Section

Shallow Hazards

Report

Shallow Hazards

Analysis

High Resolution

Seismic Lines

Stratigraphic Column

Time versus Depth

Tables

Hydrogen Sulfide

STRUCTURE CONTOUR MAP

A current structure map drawn to the top of the prospective hydrocarbon accumulation showing the surface and bottom hole locations of the subject wells is included in this section as *Attachment C-1*.

SHALLOW HAZARDS AND INTERPRETED SEISMIC LINES

Included as *Attachment C-2* is a copy of the letter being submitted under separate cover on this date depicting the high resolution geophysical shallow hazards lines, and the migrated and annotated deep seismic lines within 500 feet of the surface locations being proposed in this plan.

GEOLOGICAL STRUCTURE CROSS SECTIONS

Interpreted geological cross sections depicting the proposed well locations and the geologic name and age of the anticipated structure are included as *Attachments C-3 and C-4*. Such cross sections correspond to each seismic line being submitted under separate cover.

SHALLOW HAZARDS REPORT

Thales Geosolutions, Inc. conducted a survey across Ship Shoal Block 139 during September 2002 on behalf of Samson. The purpose of the survey was to evaluate geologic conditions and inspect for potential hazards or constraints to lease development.

Copies of the report are being submitted to the Minerals Management Service under separate cover.

SHALLOW HAZARDS ANALYSIS

Shallow hazards analyses have been prepared for the proposed surface locations, evaluating seafloor and subsurface geologic and manmade features and conditions, and are included as *Attachments C-5 and C-6*.

STRATIGRAPHIC COLUMN

A generalized biostratigraphic/lithostratigraphic column from the seafloor to the total depth of the proposed wells is included as *Attachment C-7*.

TIME VERSUS DEPTH TABLES

Samson has determined that there is existing sufficient well control data for the target areas proposed in this plan; therefore, tables providing seismic time versus depth for the proposed well locations are not required.

HYDROGEN SULFIDE

In accordance with Title 30 CFR 250.417, Samson requests that Ship Shoal Block 139 be classified by the Minerals Management Service as an area where the absence of hydrogen sulfide has been confirmed.

BEST AVAILABLE COPY



October 28, 2002

Mr. Donald C. Howard
Regional Supervisor
Office of Field Operations
U.S. Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

Attention: Adnan Ahmed

RE: High Resolution Geophysical Survey Report for Lease OCS-G 21115, Ship Shoal Block
139, OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

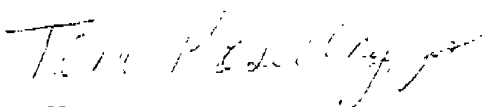
Enclosed please find one (1) set of the shallow hazards and deep seismic lines for the proposed
surface locations in Lease OCS-G 21115, Ship Shoal Block 139.

Please be advised that Samson Offshore Company has submitted a Supplemental Exploration
Plan under separate cover on this date for the subject lease.

Should you have any questions concerning this data, please contact Cheryl Powell, J. Connor
Consulting, Inc. at (281) 578-3388.

Sincerely,

SAMSON OFFSHORE COMPANY


Tom Koscelny
Environmental Supervisor

TK:CRP
Enclosures

BIOLOGICAL

SECTION D
*Chemosynthetic
Information
Topographic Features
Information
Live Bottom
Information*

CHEMOSYNTHETIC INFORMATION

The seafloor disturbing activities proposed in the Plan are in water depths less than 400 meters (1312 feet); therefore, this section of the plan is not applicable.

TOPOGRAPHIC FEATURES INFORMATION

MMS and the National Marine Fisheries Service (NMFS) have entered into a programmatic consultation agreement for Essential Fish Habitat that requires that no bottom disturbing activities, including anchors or cables from a semi-submersible drilling rig, may occur within 500 feet of the no-activity zone of a topographic feature. If such proposed bottom disturbing activities are within 500 feet of a no activity zone, the MMS is required to consult with the NMFS.

The activities proposed in this plan are not affected by a topographic feature.

LIVE BOTTOM INFORMATION

Certain leases are located in areas characterized by the existence of live bottoms. Live bottom areas are defined as seagrass communities; those areas that contain biological assemblages consisting of sessile invertebrates living upon and attached to naturally occurring hard or rocky formations with rough, broken, or smooth topography; and areas where the lithotope favors the accumulation of turtles, fishes, or other fauna. These leases contain a Live Bottom Stipulation to ensure that impacts from nearby oil and gas activities on these live bottom areas are mitigated to the greatest extent possible.

For each affected lease, the Live Bottom Stipulation requires that you prepare a live bottom survey report containing a bathymetry map prepared by using remote sensing techniques. This report must be submitted to the Gulf of Mexico OCS Region (GOMR) before you may conduct any drilling activities or install any structure, including lease term pipelines in accordance with NTL 99-G16.

Ship Shoal Block 139 is not located within the vicinity of a proposed live bottom area.

SECTION E

Discharges

WASTES AND DISCHARGES

DISCHARGES

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

The disposal of oil and gas operational wastes is managed by USEPA through regulations established under three Federal Acts. The Resource Conservation and Recovery Act (RCRA) provide a framework for the safe disposal of discarded materials, regulating the management of solid and hazardous wastes. The direct disposal of operational wastes into offshore waters is limited by USEPA under the authority of the Clean Water Act. And, when injected underground, oil and gas operational wastes are regulated by USEPA's third program, the Underground Injection Control program. If any wastes are classified as hazardous, they are to be properly transported using a uniform hazardous waste manifest, documented, and disposed at an approved hazardous waste facility.

A National Pollutant Discharge Elimination System (NPDES) permit, based on effluent limitation guidelines, is required for any discharges into offshore waters. The major discharges from offshore oil and gas exploration and production activities include produced water, drilling fluids and cuttings, ballast water, and uncontaminated seawater. Minor discharges from the offshore oil and gas industry include drilling-waste chemicals, fracturing and acidifying fluids, and well completion and workover fluids; and from production operations, deck drainage, and miscellaneous well fluids (cement, BOP fluid); and other sanitary and domestic wastes, gas and oil processing wastes, and miscellaneous discharges.

All offshore discharges associated with Samson's proposed operations will be conducted in accordance with the NPDES permit covering the subject lease.

Samson has requested coverage under EPA Region VI NPDES General Permit GMG290000 for discharges associated with exploration and development activities.

The types of discharges included in the permit application and the estimated average flow volumes are detailed below.

Drilling Fluids - Although drilling fluid is generally recycled, excess mud is sometimes discharged overboard. The volume and rate of discharge depend upon downhole conditions. Volume is estimated from either pump rate or length of time, or from tank capacity if a bulk discharge occurs. The discharge of drilling fluids is classified as an intermittent discharge, with an estimated average flow of 250 barrels a day.

Drill Cuttings - The drill cuttings are separated from the mud through the use of solids control equipment. Cuttings discharge rates and volumes will vary during the duration of the well, and are measured by estimating the volume of hole drilled. Constituents of drill cuttings include sand, shale and limestone from the wellbore. The discharge of drilling cuttings is classified as an intermittent discharge, with an estimated average flow of 100 barrels a day.

Excess Cement - Occasionally, excess slurry will be generated while cementing casing strings. The volume of cement discharges is calculated by subtracting the volume inside the well from the total volume pumped downhole.

Well Treatment, Completion or Workover Fluids - These fluids (primarily seawater that has been circulated downhole) are sometimes discharged when in excess. The discharge of workover, treatment and completion fluids is classified as an intermittent discharge, with an estimated average flow of 300 barrels a day during the affected operations period. The volume is calculated as for excess cement.

Sanitary and Domestic Waste - The discharge of sanitary and domestic waste is classified as an intermittent discharge, with an estimated average flow of 40 barrels a day. The rate of discharge from the marine sanitation unit is approximately 25 gallons/man/day. An equal amount of domestic waste (from sinks, galleys, showers, laundries and ground food wastes) is normally discharged.

Deck Drainage - Consisting of rainwater and wash water with no free oil, the volume of deck drainage is calculated by multiplying average rainfall by exposed deck area.

Uncontaminated Water - This included non-contact cooling water, discharges from the firewater system, and freshwater maker blowdown. Ballast water, which is sometimes used to maintain the stability of a drilling rig, might also be discharges. These discharges are classified as miscellaneous discharges in the NPDES permit application.

Produced Water from Well Testing - This discharge would occur during the production test conducted during well drilling operations. Much of the produced water would be vaporized as the gas is burned. Excess water would be processed in a gravity separator and discharged in accordance with the limitations and conditions of the applicable NPDES Individual Permit.

Domestic Wastes - such as wastewater originating from sinks, showers, laundries, and galleys are typically discharged overboard, and may be routed through a comminuter so that the discharge will not result in any floating solids. Sanitary wastes are composed of human body waste from toilets and urinals. The MODU and marine supply vessels are equipped with sewage treatment facilities. A typical MODU may discharge approximately 25 gal/man/day of domestic and treated sanitary waste. These wastes are expected to rapidly dilute and disperse.

Rig wash and deck drainage discharges are monitored for visual sheens, and in some instances by the oil and grease content. The quantities from the MODU should be relatively low during the proposed drilling and completion operations.

Ballast water used in the pre-loading of certain rig types is a one-time event, and is estimated to run at approximately 1,200,000 gallons. The seawater is isolated and not exposed to contaminants. Cooling water for the drilling rig is designed so there is no contact with machinery. It is expected that approximately 336,000 gallons per day will be discharged.

Operational discharges from the supply vessels include bilge and ballast waters and potential fuel oil releases. MARPOL 73/78 have significantly limited operational discharges. The support vessel may still discharge oily bilge water, but their treatment process must severely limit the oil content. Approximately 22,000 liters/day could potentially be discharged from these vessels.

Wastes not discharged overboard will be transported to an appropriate treatment or disposal site, in accordance with all Federal, State and Local rules and regulations.

Included as *Attachments E-1 and E-2* are the typical mud components used in the proposed activities, and the estimated quantity and rates of discharges applicable to the drilling fluids/cuttings based on hole size interval and washout.

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.

The major operational solid waste in the largest quantities generated from the proposed operations will be the drill cuttings, drilling and/or completion fluids. Other major wastes generated will include waste chemicals, cement wastes, sanitary and domestic waste, trash and debris, ballast water, storage displacement water, rig wash and deck drainage, hydraulic fluids, used oil, oily water and filters, and other miscellaneous minor discharges.

These wastes are generated into categories, being solid waste (trash and debris), nonhazardous oilfield waste (drilling fluids, nonhazardous waste including cement and oil filters), and hazardous wastes (waste paint or thinners).

MARPOL 73/78, implemented by the U.S. Coast Guard, requires preparation, monitoring and record keeping requirements for garbage generated on floating and fixed facilities in OCS Federal Waters. The drilling contractor will maintain a Waste Management Plan, in addition to preparation of a Daily Garbage Log for the handling of these types of waste. MODU's are equipped with bins for temporary storage of certain garbage. Other types of waste, such as food, may be discharged overboard if the discharge can pass through 25-millimeter type mesh screen. Prior to off loading and/or overboard disposal, an entry will be made in the Daily Garbage Log stating the approximate volume, the date of action, name of the vessel, and destination point.

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**DRILLING FLUID ADDITIVES
PRODUCT CROSS REFERENCE**

MILPARK	BAROID	M-I	DESCRIPTION
WEIGHT MATERIALS			
MIL-BAR	BAROID	M-I BAR	API bante, 4.2 specific gravity
DENSIMIX W/O 30	BARODENSE BARACARB	FER-OX LO-WATE	Macaceous hematite Calcium carbonate
VISCOSIFIERS			
MIL-GEL	AQUAGEL	M-I GEL	API-grade Wyoming bentonite
MILGEL NT	AQUAGEL GOLD SEAL		Untreated Wyoming bentonite
SALTWATER GEL	ZEOGEL	SALT GEL	API-grade attapulgite
SUPER-COL	QUIK-GEL	KWIK-THIK	High-yield bentonite, treated
NEW-VIS			Organic polymer blend
XCD POLYMER	XCD POLYMER	XCD POLYMER	XC Dispersable
MIL-BEN	SHUR-GEL		Bentonite-OCMA Spec. DFCP4
DEFLOCCULANTS			
MIL-TEMP	THERMA-THIN DP	MELANEX-T	High-temperature deflocculant
NEW-THIN	THERMA-THIN	TACKLE (Liquid)	Polymeric deflocculant
UNI-CAL	Q-BROXIN	SPERSENE	Chrome lignosulfonate
UNI-CAL CF	Q-B II	SPERSENE CF	Chrome-free lignosulfonate
MIL-KEM	LIGNOX	RD 2000	Lime mud thinner
SAPP	SAPP	SAPP	Sodium acid pyrophosphate
OILFOS	BARAFOS	PHOS	Sodium tetraphosphate
MIL-THIN	THERMA-THIN	THIN X (Liquid)	Anionic copolymer thinner
FILTRATION CONTROL AGENTS			
BIO-LOSE			Modified polysaccharide
CHEM-TROL X	CURENEX	RESINEX	Polymer blend, high-temperature
FILTREX	BARANEX	RESINEX	Polyanionic lignin resin
LIGOC	CARBONOX	TANNATHIN	Lignite
LIGCON	CO-16	CALSTL G	Caustic treated lignite
MILSTARCH	IMPERMEX	MY-LO-GEL	Pregelatinized starch
NEW-TROL	POLYAC	SP-101	Sodium polyacrylate
PERMA-LOSE HT	DEKTRIC	POLY-SAL	Nonfermenting starch, high-temp
PYRO-TROL	THERMA-CHEK	POLY-RX	Polymeric, high-temperature
KEY-SEAL	THERMA-CHEK		Copolymer, high-temperature
MIL-PAC	PAC R	POLYPAC	Polyanionic cellulose
MIL-PAC LV	PAC L	POLYPAC	Low-viscosity polyanionic cellulose
MILPARK CMO HV	CELLEX (High V) S	CMC HV	Sodium carboxymethyl cellulose
MILPARK CMO LV	CELLEX	CMC LV	Sodium carboxymethyl cellulose
CORROSION CONTROL CHEMICALS			
MIL-GARD	NO-SULF	SULF-X	Basic zinc carbonate
MIL-GARD R	BARASCAV-L	SULF-X ES	Chelated zinc
NOXYGEN	COAT-888	OXYGEN	Oxygen scavenger
	BARACOR 113	SCAVENGER	
SCALE-BAN	SURFLO-H35	Si-1000	Scale inhibitor
	BARACOR 129		
AMI-TEC	BARA FILM	CONQOR 202	Film-forming amine
	BARACOR 300	CONQOR 101	
	COAT-B1400	CONQOR 303	
	COAT-C1815		
CARBO-DRILL OIL MUD ADDITIVES			
CARBO-MUL	INVERMUL NT	VERSAWET	Emulsifier and wetting agent primarily
	VERSACOAT		
CARBO-MUL HT	EMUL NT		High-temperature emulsifier and wetting agent
CARBO-TEC	INVERMUL	VERSAMUL	Emulsifier
CARBO-GEL	GELTONE II	VERSAGEL	Organoclay clay treatment
CARBO-VIS	GELTONE II	VERSAMOD	Organoclay clay
CARBO-TROL		VERSATROL	Filtration control agent
CARBO-TROL A-9	DURATONE HT	VERSALIG	Nonasphaltic filtration control, high-temperature
SURF-COTE	DRILTREAT or OMC	VERSAWET	Oil wetting agent for oil muds
CARBO-MIX	DRILTREAT		Nonionic emulsifier, high-activity
CARBO-TEC HW			HW oil mud emulsifier

**DRILLING FLUID ADDITIVES
PRODUCT CROSS REFERENCE**

MILPARK	BAROID	M-I	DESCRIPTION
SHALE CONTROL ADDITIVES			
ALPLEX			Aluminum complex
BIO-DRILL 1402			Oil mud alternative
NEW-DRILL	EZ MUD	POLY-PLUS	PHPA liquid
NEW-DRILL HP			Powdered PHPA
NEW-DRILL PLUS	EZ MUD DP		Powdered PHPA
SHALE-BOND	SHALE-BAN	HOLECOAT	Resinous shale stabilizer
PROTECTOMAGIC			Oil-soluble blown asphalt
PROTECTOMAGIC M	AK-70	STABIL-FCLE	Water-dispersants Blown asphalt
SPOTTING FLUIDS			
BLACK MAGIC			Oil-base spotting fluid
BLACK MAGIC LT	EX SPOT		Low toxicity oil-base spotting fluid
BLACK MAGIC SFT		OIL-FAZE	Oil-base spotting fluid concentrate
MIL-FREE	SCOT-FREE/ ENVIRO-SPOT	PIPE-LAX	Liquid spotting fluid
BIO-SPOT	ENVIRO-SPOT		Nontoxic water-base spotting fluid
BIO-SPOT 1			Nontoxic water-base spotting fluid
MIL-SPOT 2	SCOT-FREE	PIPE-LAX W	Weighted oil-base spotting fluid concentrate
LUBRICANTS			
AQUA-MAGIC			Low-toxicity lubricant
LUBRI-FILM	EP MUDLUBE	EP LUBE	Extreme-pressure lubricant
MIL-LUBE		LUBE-106	General lubricant
DETERGENTS/FOAMERS			
AMPL-FOAM	DRIF-FOAM	FOAMER 30	Mist and stiff foaming agent
MIL-CLEAN	BAROID RIG WASH BARA-KLEAN	KLEEN-UP	Biodegradable detergent
MILPARK MD	CON-DET	OD	Drilling detergent
DEFOAMING AGENTS			
LD-3	BARA-DEFOAM	DEFOAM-4	Hydrocarbon-base defoamer
N.O. DEFOAM	BARA-BRINE DEFOAM	DEFOAM-1	Alcohol-base saltwater muds
ALUMINUM STEARATE	Aluminum Stearate	Aluminum Stearate	Aluminum Stearate
LOST-CIRCULATION MATERIALS			
CHEN-LOSS			Seepage loss control differential sticking preventative
MIL-CEDAR FIBER	PLUG-GIT	M-I CEDAR FIBER	Cedar fiber
MIL-FIBER	FIBERTEX	M-I FIBER	Fiber blend
MIL-FLAKE	JEL-FLAKE	FLAKE	Shredded cellocelane flake
MIL-MICA	MICATEX	MICA	(Muscovite) mica graded
MIL-PLUG		NUT PLUG	Ground pecan shells
MIL-SEAL	BARC-SEAL	KWIK SEAL	Blended lost-circulation material
COTTONSEED HULLS	Cottonseed hulls	Cottonseed hulls	Cottonseed Hulls
PAPER			Ground paper
WALNUT SHELLS	WALL-NUT		Ground walnut shells
MAGNE-SET			Acid-soluble cement
WORKOVER AND COMPLETION FLUID ADDITIVES			
MUD-PAC	COAT-44 & 45	CONCOR 404 X-CORE	Corrosion (packer fluid) inhibitor
BRINE-PAC	BARACOR-A		Corrosion inhibitor clean brine fluids
W.O. 21L	LIQUI-VIS	VIS-L	Liquid HEC polymer
PRESERVATIVES			
DRYOCIDE			Dry biodegradable biocide
X-CIDE 207	BARA-B466	BACSAN 207	Biocide

X-CIDE 207 is a registered trademark of Petrotite Corporation.
 DRYOCIDE is a registered trademark of Nalco Chemical Company
 XCD (in XCD POLYMER) is a registered trademark of Marck & Co., Inc.
 OILFOS is a registered trademark of Monsanto Company.

SECTION F

***Oil Spill Response
Chemical Response***

OIL SPILL RESPONSE AND CHEMICAL

Samson Offshore Company, Samson Companies, Samson Resources Company, and Samson Lonestar Ltd. Partnership are the entities covered in the Regional Oil Spill Response Plan (OSRP) approved on June 19, 2002 (approved thru March 31, 2004). Activities proposed in this Exploration Plan will be covered by the Regional OSRP.

Samson's primary equipment provider is Clean Gulf Associates (CGA). The Marine Spill Response Corporation's (MSRC) STARS network will provide closest available personnel, as well as an MSRC supervisor to operate the equipment.

In the event of a spill, mechanical response equipment located in CGA's bases located in Houma, Louisiana would be transported to a staging area in Fourchon, Louisiana.

Category	Regional OSRP WCD	EP WCD
Type of Activity (1)	Drilling	Drilling
Spill Location (Area/Block)	WC 23	SS 139
Facility Designation (2)	N/A	Jack-Up
Distance to Nearest Shoreline (miles)	5.3	18.8
Volume (3)	180	7500
Type of Oil (crude, condensate, diesel)	Condensate	Crude
API Gravity (4)	50°	33°

Although the worst-case discharge for these proposed activities exceed the exploratory drilling worst-case discharge in Samson's Regional OSRP, the Regional OSRP will not be revised due to the fact that the estimated flow rates from a blowout are speculative. Samson has the contracted OSRP capabilities to sufficiently respond to the worst-case discharge volume of the proposed activities.

SECTION G

***Air Emissions
Information***

AIR EMISSIONS

AIR EMISSIONS INFORMATION

Offshore air emissions related to the proposed activities result mainly from the drilling rig operations, helicopters and service vessels. These emissions occur mainly from combustion or burning of fuels and natural gas and from venting or evaporation of hydrocarbons. The combustion of fuels occurs primarily on diesel-powered generators, pumps or motors and from lighter fuel motors. Other air emissions can result from catastrophic events such as oil spills or blowouts.

Primary air pollutants associated with OCS activities are nitrogen oxides, carbon monoxide, sulphur oxides, volatile organic compound, and suspended particulate.

Included as *Attachment G-1* is the Projected Air Quality Emissions Report prepared in accordance with Appendix H of that certain Notice to Lessees (No. 2000-G21) addressing drilling, and potential completion and testing operations.

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

OMB Control No. XXX-XXX
Expiration Date: Pending

COMPANY	Sanson Offshore Company
AREA	Ship Shoal
BLOCK	139
LEASE	OCS-G 21115
PLATFORM	
WELL	D & E
COMPANY CONTACT	CHERYL POWELL
TELEPHONE NO.	(281) 578-3388
REMARKS	DRILL, COMPLETE & TEST TWO EXPLORATORY WELLS

"Yes"	"No"	Air Quality Screening Questions
	X	1. Are the proposed activities east of 87.5° W latitude?
	X	2. Are H ₂ S concentrations greater than 20 ppm expected?
X		3. Is gas flaring proposed for greater than 48 continuous hours per well?
X		4. Is produced liquid burning proposed?
X		5. Is the exploratory activity within 25 miles of shore?
	X	6. Are semi-submersible activities involved and is the facility within 50 miles of shore?
	X	7. Are drillship operations involved and is the facility within 120 miles of shore?
	X	8. Will the exploratory activity be collocated (same surface location) on a production facility?

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.

EMISSIONS FACTORS

OMB Control No. xxxx-xxxx
Expiration Date: Pending

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

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

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

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EMISSIONS CALCULATIONS 1ST YEAR

OMB Control No. xxxx-xxxx
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Barrow Offshore Comp.	Ship Shoal	139	OCS G 21115		D & E	CHRISTY POWELL	(281) 578 3388										
OPERATIONS	EQUIPMENT	RATING	MAX. FUEI	ACT. FUEI	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	IIP	GAL/HR	GAL/D													
	Nat. Gas Engines	IIP	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 MOVL>600hp diesel	16975	619 8925	19677 42	24	17	11 56	54 89	411 29	12 34	89 74	2 44	11 20	83 90	2 52	18 31	
	VESSELS>600hp diesel(crew)	2200	106 26	2550 24	6	22	1 55	7 11	53 30	1 60	11 63	0 10	0 47	3 50	0 10	0 76	
	VESSELS>600hp diesel(supply)	2200	106 26	2550 24	10	12	1 55	7 11	53 30	1 60	11 63	0 09	0 43	3 24	0 10	0 71	
	VESSELS>600hp diesel(lugs)	8400	405 72	9737 28	18	1	5 92	27 16	203 52	6 11	44 41	0 05	0 24	1 83	0 05	0 40	
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 00					0 00		
DRILLING WELL TEST	OIL BURN				0	0	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
	GAS FLARE		0		0	0		0 00	0 00	0 00	0 00		0 00	0 00	0 00	0 00	
2002 YEAR TOTAL							20.99	96.28	721.42	21.64	157.40	2.69	12.34	92.47	2.77	20.17	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES												625.37	625.37	625.37	625.37	24022.01
	18.8																

EMISSIONS CALCULATIONS 2ND YEAR

OMB Control No. xxxx-xxxx
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS								
Continental Oil Co. Corp	Ship Shoal	139	03/21/15		1 & 2	FRITZ POWELL	(281) 578-3388									
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D												
DRILLING	PRIME MOVER >600hp diesel	16975	819.8925	19677.42	24	59	11.96	51.89	111.29	12.34	89.74	8.47	38.86	291.19	8.74	63.53
	VESSELS >600hp diesel (crew)	2200	106.26	2550.24	6	76	1.55	7.11	53.30	1.60	11.63	0.35	1.62	12.13	0.36	2.65
	VESSELS >600hp diesel (supply)	2200	106.26	2550.24	10	42	1.55	7.11	53.30	1.60	11.63	0.33	1.50	11.23	0.34	2.45
	VESSELS >600hp diesel (tugs)	8400	405.72	9737.28	18	3	5.92	27.16	203.52	6.11	44.41	0.16	0.73	5.50	0.16	1.20
ACIDITY	DETRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSTALLATION	MAITHAL 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
	VESSELS >600hp diesel (crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS >600hp diesel (supply)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC. TANK	BPD	SCF/HR	COUNT												
		0			0	0				0.00						0.00
DRILLING	GULFPORT	250			24	4	4.38	71.15	20.83	0.10	2.19	0.21	3.42	1.00	0.00	0.11
WELLS	GULFPORT	250			24	4		0.12	14.88	12.56	80.94		0.01	0.71	0.60	3.89
2003 YEAR TOTAL							25.36	167.55	757.13	34.31	240.53	9.52	46.13	321.76	10.21	73.82
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											625.37	625.37	625.37	625.37	24022.01
	18.8															

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SUMMARY

OMB Control No. xxxx-xxxx
Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Samson Offshore	Ship Shoal	139	OCS G 21115		D & E
Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2002	2.69	12.34	92.47	2.77	20.17
2003	9.52	46.13	321.76	10.21	73.82
Allowable	625.37	625.37	625.37	625.37	24022.01

ENVIRONMENTAL

SECTION H

*Environmental
Report*

ENVIRONMENTAL REPORT

An Environmental Report is not required for the proposed supplemental exploratory operations.

COASTAL ZONE CONSISTENCY

SECTION I

Coastal Zone Consistency Certification

COASTAL ZONE CONSISTENCY CERTIFICATION

Issues identified in the Louisiana Coastal Zone Management Program include the following: general coastal use guidelines, levees, linear facilities (pipelines); dredged soil deposition; shoreline modifications, surface alterations, hydrologic and sediment transport modifications; waste disposal; uses that result in the alteration of waters draining into coastal waters; oil, gas or other mineral activities; and air and water quality.

A certificate of Coastal Zone Management Consistency for the State of Louisiana is not required for the supplemental exploratory activities.

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