BEST
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(Orig. Sgd.)
Doug McIntosh

bcc: Lease (OCL=L 11313 (OPS-3-3) (PUBLIC ROOM)
Lease OCS-G 11313 (OCS-3-2) (PUBLIC ROOM)
OPS-3-4 w/ Public Info. Copy of the plats
and accomp. info. (PUBLIC RECORDS)

NOTED-KRAMER

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Office of
Program Services

DEC 29 1989

Information Services
Section

THE LOUISIANA LAND AND EXPLORATION COMPANY

SUITE 1200 2950 NORTH LOOP WEST

HOUSTON, TEXAS 77092-8862

713/ 957-6400

December 7, 1989

Mr. Daniel J. Bourgeois
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: Initial Exploration Plan
OCS-G 11313/11318, Galveston 313/331
Offshore, Louisiana

Gentlemen:

In accordance with the provisions of Title 30 CFR 250.33, The Louisiana Land and Exploration Company hereby submits for your review and approval nine (9) copies of an Initial Exploration Plan for Leases OCS-G 11313/11318, Galveston 313/331, Offshore, Texas. Five (5) copies are "Proprietary Information" and four (4) copies are "Public Information".

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

The Louisiana Land and Exploration Company anticipates commencing activities under this proposed Exploration Plan on or about January 4, 1990.

Should additional information be required, please contact me or Mrs. Judy Davidson, J. Connor Consulting at 713/558-0607.

Sincerely,

Reynold T. Decou
Staff Geologist
Leasehold Supervisor

RTD/JAD/me

Enclosures

PUBLIC INFORMATION

THE LOUISIANA LAND AND EXPLORATION COMPANY

INITIAL PLAN OF EXPLORATION

GALVESTON 313/331

OCS-G 11313/11318

The Louisiana Land and Exploration Company (LL&E), as designated Operator of the subject blocks, submits this proposed Initial Exploration Plan in accordance with the regulations contained in Title 30 CFR 250.33 and more specifically defined in the Minerals Management Service Letters to Lessee's and Operators dated October 12, 1983 and September 5, 1989.

OCS-G 6098 LEASE HISTORY

Mobil Producing Texas & New Mexico Inc., operated Galveston 313 under Lease No. OCS-G 6098. Mobil drilled and subsequently temporarily abandoned two wells (Wells No. 1 and 2) at a surface location of 3350' FSL and 7410' FEL from a four-pile Well Protector (jacket only).

Lease OCS-G 6098 was relinquished by Mobil December 29, 1988. The terms of the lease agreement for OCS-G 6098 require Mobil to remove the Well Protector and plug and abandon the two existing wells within one year from the date the lease expired. LL&E, et al subsequently acquired OCS-G 11313 Galveston 313 in the Western Gulf of Mexico Lease Sale No. 122. Mobil and LL&E have entered into an agreement (see Attachment A) whereby LL&E has purchased the subject wells and well protector. (Mobil's and LL&E's "Assignment and Bill of Sale" became effective November 1, 1989.) Under this assignment, LL&E has assumed Mobil's obligation to permanently plug and abandon the wells and remove the well protector from Block 313 at its sole cost and expense in accordance with all applicable rules and regulations.

LL&E proposes to re-enter and complete existing OCS-G 6098 Well No. 1 and rename it OCS-G 11313 Well No. 1; after drilling operations have been completed on Wells A & B proposed in this Initial Plan of Exploration. The OCS-G 6098 Well No. 2 will then be plugged and abandoned.

SCHEDULE OF OPERATIONS

Under this Plan of Exploration, LL&E proposes to drill four (4) wells, Locations A thru D. Planned commencement date is approximately January 4, 1990, subject to approval of this Plan of Exploration and issuance of the required Permits to Drill. The proposed wells should take approximately 60 days each to drill and complete.

It should be emphasized that this schedule is tentative in the meaning of 30 CFR 250.33-1. Additional exploratory drilling must be predicated upon the need to further define the structures and/or reservoir limitations.

In addition to the drilling of these wells, other activities which may be conducted under this Plan would be the setting of a well protector structure or a seafloor template, running a velocity survey in a wellbore, and collection of soil borings.

DESCRIPTION OF DRILLING UNIT

The proposed wells will be drilled with a typical jackup drilling rig. When a rig is selected, the rig specifications will be made a part of the Applications for Permit to Drill. Typical diverter and BOP schematics are enclosed as Attachment B.

Safety features will include well control and blowout prevention equipment as described in 30 CFR 250.50. 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.

WELL LOCATION

The approximate location of the wells proposed in this Plan of Exploration in addition to the proposed depths, are shown on the accompanying Location Plat, enclosed herewith as Attachment C, and described as follows:

Well No.	Location	Total Depth	Water Depth
A.	SL; 3400' FSL & 7400' FEL of 313	12800' MD	69'
B.	SL; 3400' FSL & 7400' FEL of 313	12800' MD	69'
C.	SL; 3400' FSL & 7400' FEL of 313	12800' MD	69'
D.	SL; 3400' FSL & 7400' FEL of 313	12800' MD	69'

STRUCTURE MAP

A structure map drawn to the top of each prospective hydrocarbon accumulation showing the surface and bottom hole locations of the proposed wells is enclosed as Attachment D.

BATHYMETRY MAP

A bathymetry map showing the surface locations of the proposed wells is enclosed as Attachment E.

SHALLOW HAZARDS

Information on geologic hazards and surface location of the proposed wells is enclosed as Attachment F.

OIL SPILL CONTINGENCY PLAN

All drilling, construction and production operations shall be performed in accordance with industry standards to prevent pollution of the environment. LL&E's Oil Spill Contingency Plan has been approved by the MMS. This plan designates an Oil Spill Team consisting of LL&E personnel and contract personnel. This team's duties are to eliminate the source of any spill, remove all sources of possible ignition, deploy the most reliable means of available transportation to monitor the movement of a slick, and contain and remove the slick if possible.

LL&E is a member of Clean Gulf Associates (CGA). The CGA stores pollution control equipment at two locations in Texas, at Port Aransas and Galveston, and five locations in Louisiana, at Venice, Grand Isle, Intracoastal City, Houma and Cameron. Each base is equipped with fast response units and there is a barge mounted high volume open sea skimmer based at Grand Isle, Louisiana. In addition to providing equipment, the CGA also supplies advisors for clean-up operations. Equipment available from CGA and its location is listed in the CGA Manual, Volume I, Section III.

Pollution equipment located in Galveston, Texas would be utilized first with additional equipment transported from the nearest equipment base on-site as required.

Estimated response time for a spill in Galveston 313/331 during normal weather conditions could vary from 9 to 11 hours based on the following:

		Hours
1.	Procurement and travel time for marine vessel and if necessary, truck to transport pollution containment equipment to company support base.	3.0
2.	Load out of Fast Response Unit	2.0
3.	Travel to spill site. (40 miles at 10 MPH)	4.0
	Total Estimated Time	9.0

In the event a spill occurs from Galveston 313/331, our company has projected trajectory of a spill utilizing information in the Environmental Impact Statement (EIS) for OCS Lease Sales 123 and 125.

The EIS contains oil spill trajectory simulations using seasonal surface currents coupled with wind data, adjusted every 3 hours for 30 days or until a target is contacted.

Hypothetical spill trajectories were simulated for each of the potential launch sites across the entire Gulf. These simulations presume 500 spills occurring in each of the four seasons of the year. The results in the EIS were presented as probabilities that an oil spill beginning from a particular launch site would contact a certain land segment within 3, 10, or 30 days. Utilizing the summary of the trajectory analysis (for 10 days) as presented, the probable projected land fall of an oil spill is as follows. Also listed is the CGA Map Number corresponding to the land segment which will be utilized to determine environmentally sensitive areas that may be affected by a spill.

Area	Land Segment Contact	%	CGA Map Number
Galveston 313/331	Matagorda, TX	12	TX Map No. 2
	Brazoria, TX	26	TX Maps 2 & 3
	Galveston, TX et al	27	TX Maps 3 & 4

Section V, Volume II of the CGA Manual containing maps as listed above, also includes equipment containment/cleanup protection response modes for the sensitive areas.

Section VI, Volume II of the CGA Operations Manual depicts the protection response modes that are applicable for oil spill clean-up operations. Each response mode is schematically represented to show optimum deployment and operation of the equipment in areas of environmental concern. Implementation of the suggested procedures assures the most effective use of the equipment and will result in reduced adverse impact of oil spills on the environment. Supervisory personnel have the option to modify the deployment and operation of equipment to more effectively respond to site-specific circumstances.

NEW OR UNUSUAL TECHNOLOGY

No new techniques or unusual technology will be required for these operations.

LEASE STIPULATIONS

Stipulation No. 1 is attached to these leases. An Archeological Report has been submitted with the Shallow Hazards Report.

DISCHARGES

The approximate anticipated discharge rates for LL&E's drilling operations in Galveston 313/331 are listed below:

Depth	Hole Size	Quantity (BBLS)	Discharge Rate

Cuttings discharges are based on the average hole size for each section of hole.

Mud may be discharged for purposes of dilution or at end of well. The fluid used for drilling will be a typical lignosulfonate mud unless otherwise noted in the drilling program. Concentrations of the chemicals in the mud can be estimated from the daily fluids chemical inventory. Other surveillance of the fluid is accomplished by the monthly and end-of-well LC50 toxicity tests required by EPA. Any drilling fluid contaminated with oil will be transported to shore for proper disposal at an authorized disposal site. A list of mud additives is enclosed as Attachment G.

Sewage will be treated on location.

Solid domestic wastes will be transported to shore for proper disposal at an authorized disposal site.

Deck drainage will be estimated by amount of rainfall and wash water used.

All discharges will be in accordance with the EPA NPDES General Permit for the Gulf of Mexico. All discharges will be free of oil.

HYDROGEN SULFIDE

See Attachment H.

PROJECTED EMISSIONS

Projected emissions are included on the enclosed Air Quality Review as Attachment I.

ONSHORE BASE

Galveston 313/331 is located approximately 15 miles from shore, in a water depth ranging from 68 to 69 feet. A map showing the location of Galveston 313/331 relative to the shoreline and onshore base is enclosed as Attachment J.

LL&E will utilize existing onshore facilities located in Freeport, Texas This will serve as port of debarkation for supplies and crews. No onshore expansion or construction is anticipated with respect to this activity.

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. During exploration activities one supply boat will be making three (3) trips per week and one crew boat will be making six (6) trips per week.

The onshore activities associated with Galveston 313/331 should not result in any increase in the size and number of onshore support and storage facilities or land and personnel requirements.

AUTHORIZED REPRESENTATIVE

Inquiries regarding this plan may be made to the following authorized representative of The Louisiana Land and Exploration Company:

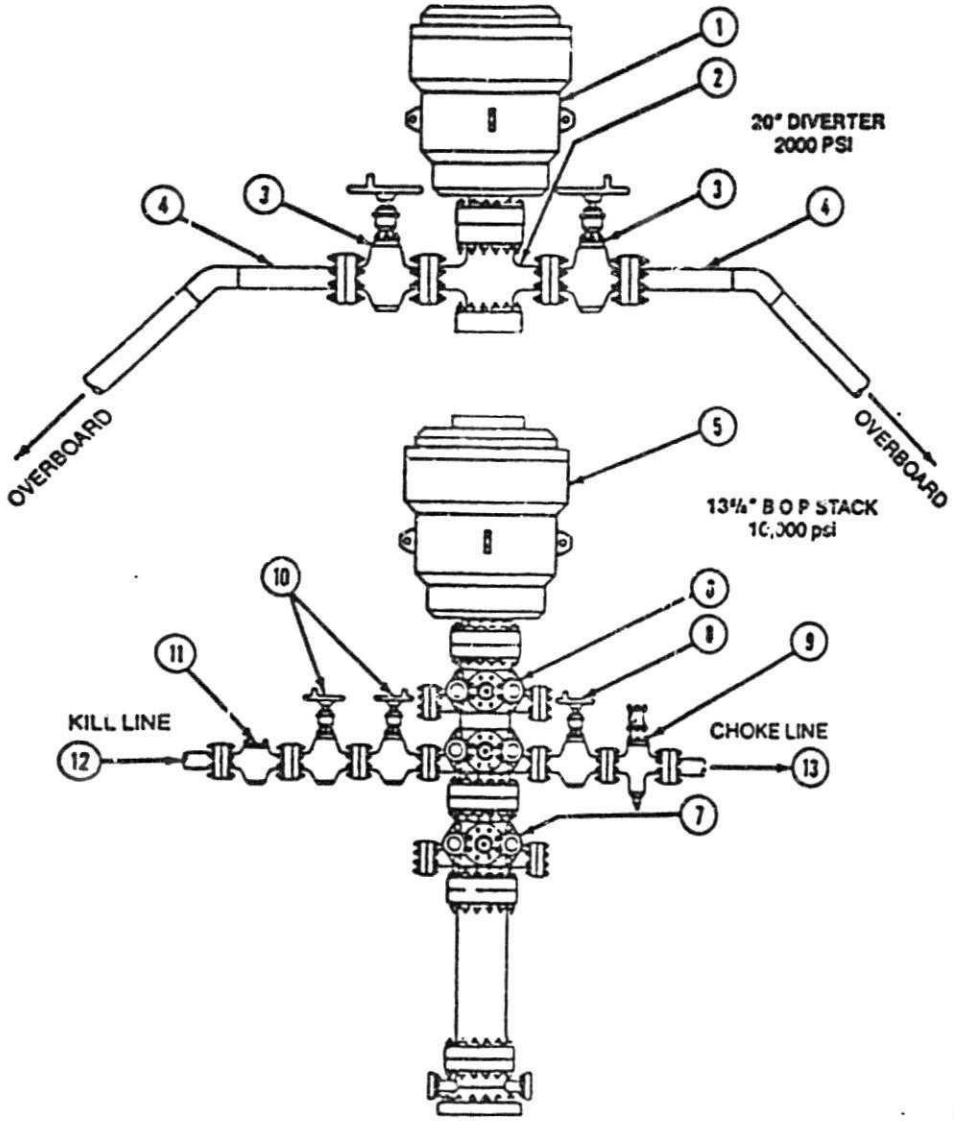
Mrs. Judy Davidson
J. Connor Consulting
P. O. Box 218753
Houston, TX 77218
(713) 558-0607

LIST OF ATTACHMENTS

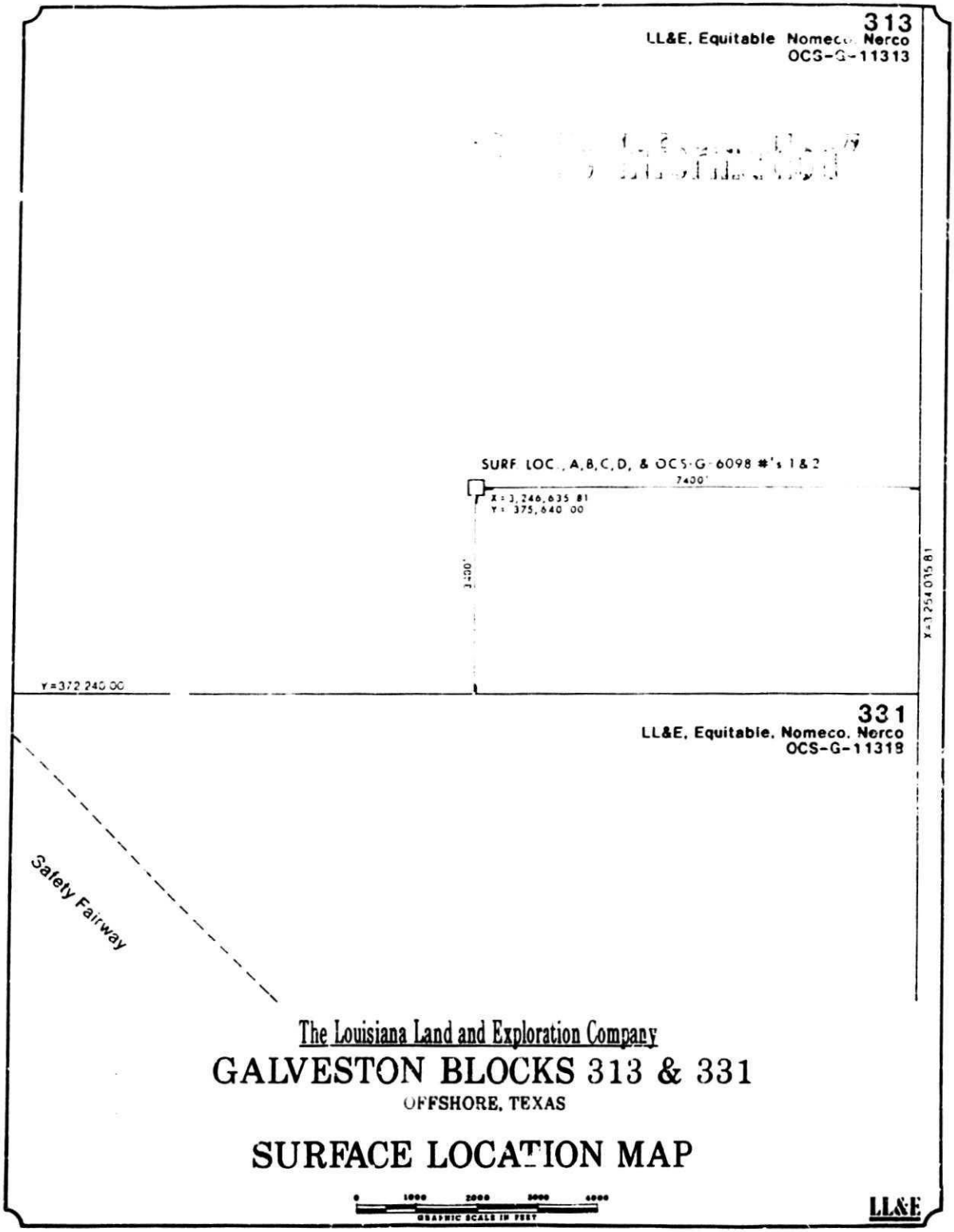
A Mobil/LL&E Assignment
B Rig Schematic
C Location Plat
D Structure Map
E Bathymetry Map
F Shallow Hazards Analysis
G Mud Components
H Hydrogen Sulfide
I Projected Air Emissions
J Vicinity Map

Attachment B

BLOWOUT PREVENTER STACK WITH A HYDRIL DIVERTER



ATTACHMENT C



The Louisiana Land and Exploration Company

GALVESTON BLOCKS 313 & 331

OFFSHORE, TEXAS

SURFACE LOCATION MAP

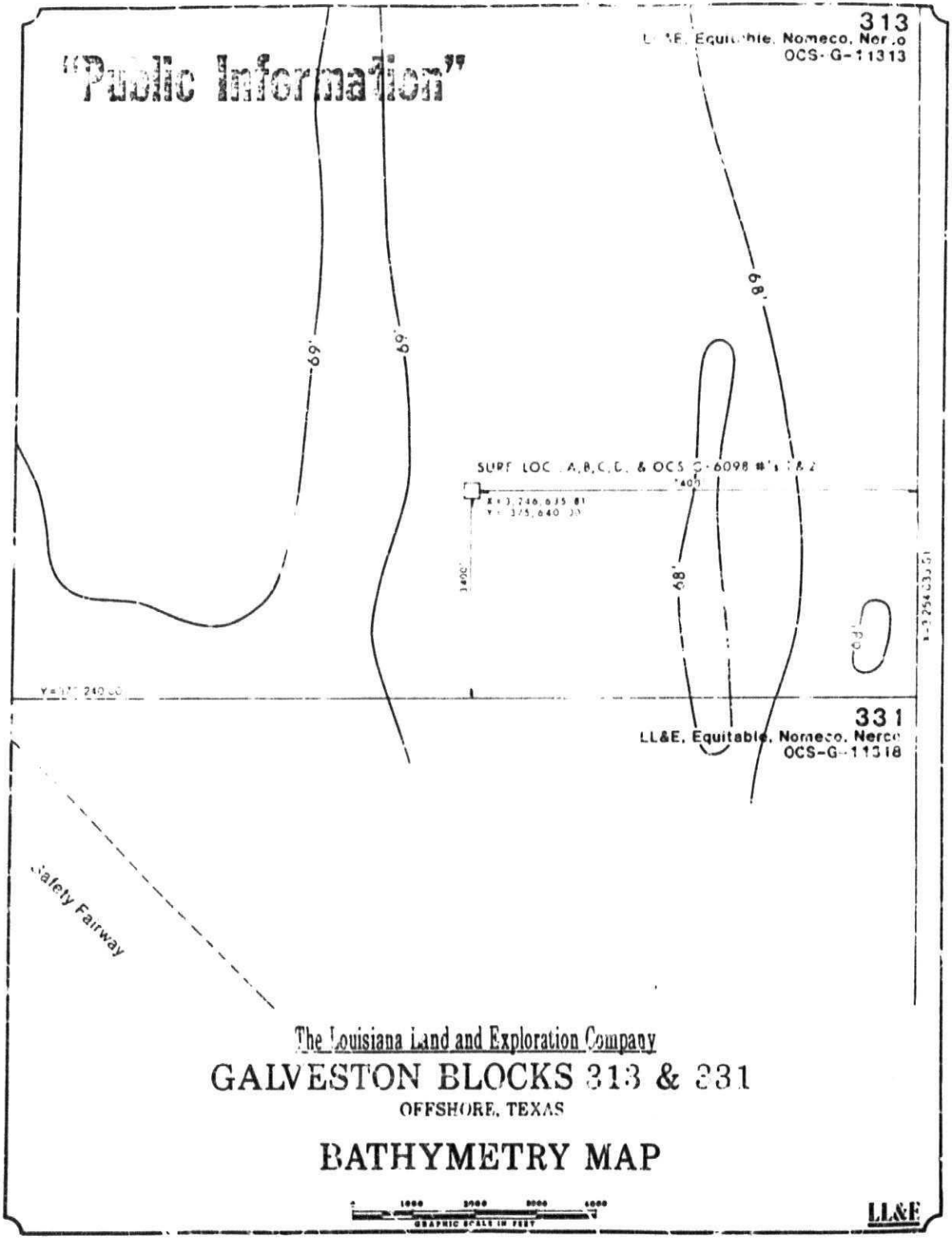
0 1000 2000 3000 4000

GRAPHIC SCALE IN FEET

LL&E

ATTACHMENT E

"Public Information"



The Louisiana Land and Exploration Company

GALVESTON BLOCKS 313 & 331

OFFSHORE, TEXAS

BATHYMETRY MAP

GRAPHIC SCALE IN FEET

LL&E

DRILLING MUD COMPONENTS

COMMON CHEMICAL OR CHEMICAL TRADE NAME	DESCRIPTION OF MATERIAL
Aluminum Stearate	Aluminum Stearate
"AXTAFLO-S"	Nonionic Surfactant
Barite	Barium Sulfate (BaSo4)
Calcium Carbonate	Aragonite (CaCo3)
Calcium Chlordie	Hydrophilite (CaCl2)
Calcium Oxide	Lime (Quick)
Calcium Sulfate	Anhydrite (CaSO4)
Carboxymethyl Cellulose	Carboxymethyl Cellulose
Caustic Potash	Potassium Hydrate
Caustic Soda	Sodium Hydroxide (NaOH)
Chrome Lignite	Chrome Lignite
Chrome Lignosulfonate	Chrome Lignosulfonate
Drilling Detergent	Soap
"E-Pal"	Non-toxic, biodegradable defoamer
Ferrochrome Lignosulfonate	Derived from wood pulp
Gel	Sodium montmorillonite, bentonite, attapulgite
Gypsum	CaSo4. 2H2O
Lignite	Lignite
Lignosulfonate	Lignosulfonate
"Mud Sweep"	Cement Pre-flush
"MOR-REX"	Hydrolyzed Cereal solid
"Shale-Trol"	Organo-aluminum complex
Sapp	Sodium Acid Pyrophosphate
Soda Ash	Sodium Carbonate
Sodium Bicarbonate	NaHCO3
Sodium Carboxymethyl Cellulose	Sodium Carboxymethyl Cellulose
Sodium Chloride	NaCl
Sodium Chromate	NaCrO4. 10H2O
Starch	Corn Starch
"TX-9010"	Biodegradable drilling lubricant
"TORQ-Trim"	Biodegradable drilling lubricant
"Black Magic"	Oil base mud conc.
"Black Magic Supermix"	Sacked concentrated oil base mud
Diesel	Used to mix certain loss-circulation pills
"Jelflake"	Plastic foil, shredded cellophane
MICA	Loss-circulation material
"Pipe-Lax"	Surfactant mixed with diesel
"Wall-Nut"	Ground walnut shells
Wood Fibers	Loss-circulation material

ATTACHMENT H

THE LOUISIANA LAND AND EXPLORATION COMPANY

SUITE 1200 2950 NORTH LOOP WEST

HOUSTON, TEXAS 77018-8502

(713) 957-6400

LL&E

HYDROGEN SULFIDE CLASSIFICATION

December 6, 1989

Area: Galveston Blocks 313 and 331

Galveston Blocks 313 and 331 were purchased by The Louisiana Land and Exploration Company and its partners at the Offshore Texas Sale (#122) in August, 1989. Block 313, having been previously owned by Superior/Mobil under OCS-G-6098, has been drilled twice and 331 was drilled once. All available wells in an immediate and contiguous eight (8) block surrounding area along with additional wells that were in an expanded area associated with Galveston 313 and 331 have been researched to the best of our ability, using both public and proprietary information, to determine the evidence of hydrogen sulfide. The information evaluated consisted of geological and geophysical data/correlations, deep penetration seismic, well logs (induction and porosity logs), sidewall core analyses, test information, production histories, etc. The objective interval has been penetrated by numerous wells within the area and there was no evidence of hydrogen sulfide noted. Some of these wells were:

Galveston Block 313 Superior #1, 2
Galveston Block 331 Wolverine #1
Galveston Block 333 Anadarko #1, 2, 3, 4
Galveston Block 303 Tenneco #A-1
Galveston Block 302 Seagull #1

Many of the immediately surrounding tracts to Blocks 313 and 331 have not been extensively drilled.

Therefore, The Louisiana Land and Exploration Company requests that a determination be made that the proposed drilling operations in Galveston Block 313 and 331 will be in an area where the absence of hydrogen sulfide has been confirmed.

Reynold T. Lecou
Staff Geologist
Leasehold Supervisor

ATTACHMENT I

P.O. Box 218753 Houston, Texas 77218 713-558-0607

PROJECTED AIR EMISSION SCHEDULE FOR EXPLORATION PROJECT

GENERAL INFORMATION

Location of Block:	Galveston Block 313/331 OCS-G 11313/11318
Distance Offshore:	15 miles
Name of Rig:	Jack-up
Operator:	Louisiana Land & Exploration Company 2950 North Loop West, Suite 1200 Houston, Texas 77092-8862
Contact Person:	Mr. Reynold T. Decou
Well Footage to be Drilled	
Date Drilling Will Begin:	January 4, 1990

MAJOR SOURCE (OFFSHORE)

Power used aboard drilling vessel; approximate footage to be drilled .*

Emitted Substance	Projected Emissions (lbs/day)*tons/yr. 1990-1991	
CO	(84)	10.13
SO_2	(27)	3.22
NOx	(397)	47.61
VOC	(32)	3.84
TSP	(28)	3.37

* Based on 60 hphr/ft. from Table 4-3, "Atmospheric Emissions from Offshore Oil and Gas Development and Production", EPA No. 450/3-77-026, June 1977

** Emission factors from Table 3.3.3-1, "Compilation of Air Pollutant Emission Factors", Third Edition, EPA Report AP-42, August, 1977

MINOR SOURCES (OFFSHORE)*

Including crew boat (6 trips/week); supply boats (3 trips/week); and helicopter (0 trips/week); loading and unloading operations; and incineration of waste paper (average 750 pounds of waste per month).

Emitted Substance	Projected Emissions (Tons/Year) 1990 1991
CO	.01
SO_2	---
NOx	.12
VOC	---
TSP	---

* Tables 3.2.1-3, 3.2.3-1 and 2.1-1, "Compilation of Air Pollutant Emission Factors", Third Edition, EPA Report AP-42, August, 1977.

TOTAL ALL SOURCES (tons/year)

1990-1991	CO	SO	NOx	VOC	TSP
Major	10.13	3.22	47.61	3.84	3.37
Minor	.01	---	.12	---	---
Total	10.14	3.22	47.73	3.84	3.37

ONSHORE SOURCES

These should be about the same as minor sources unless new facilities are installed at the onshore base. No additional facilities are required or planned at this time.

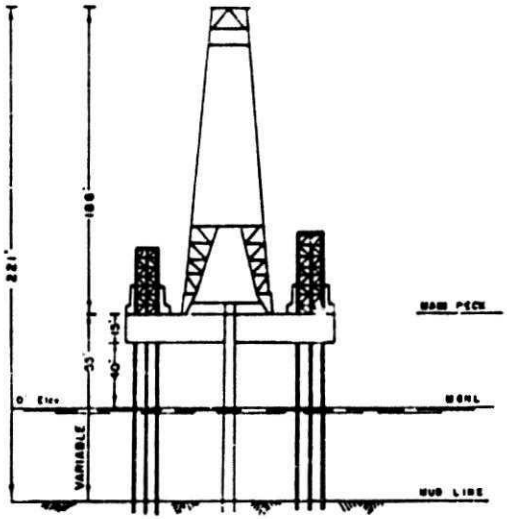
EMISSION EXEMPTION DETERMINATION

For CO. $E = 3400(D)^{2/3} = 3400\ (15)^{2/3} = 20{,}679$ tons/year

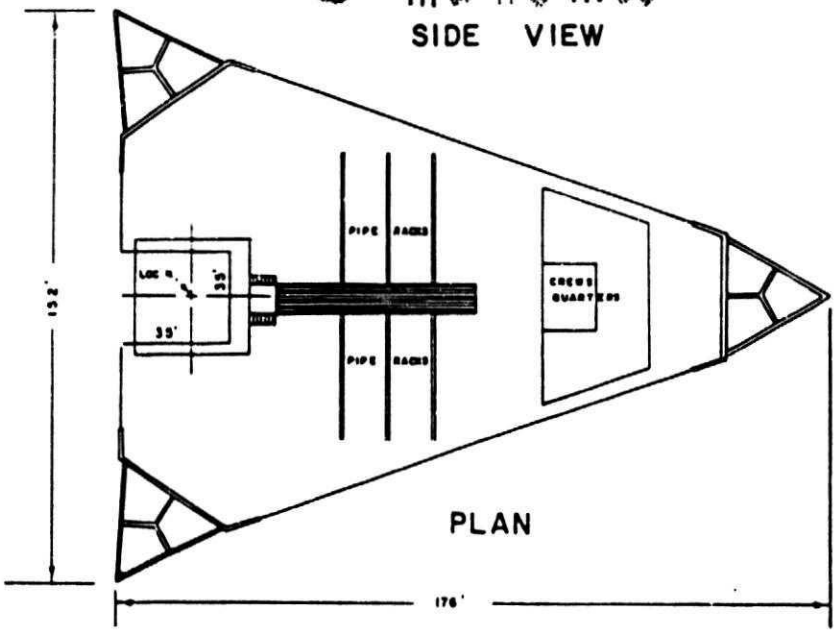
For NOx, VOC, TSP & SO : $E = \frac{33.3D}{2} = 33.3\ (15) = 500$ tons/year

FINDINGS OF AIR QUALITY REVIEW

As per DOI/MMS regulations, this facility is exempt from further air quality review as it has been determined that its operations will not have a significant adverse impact on air quality.



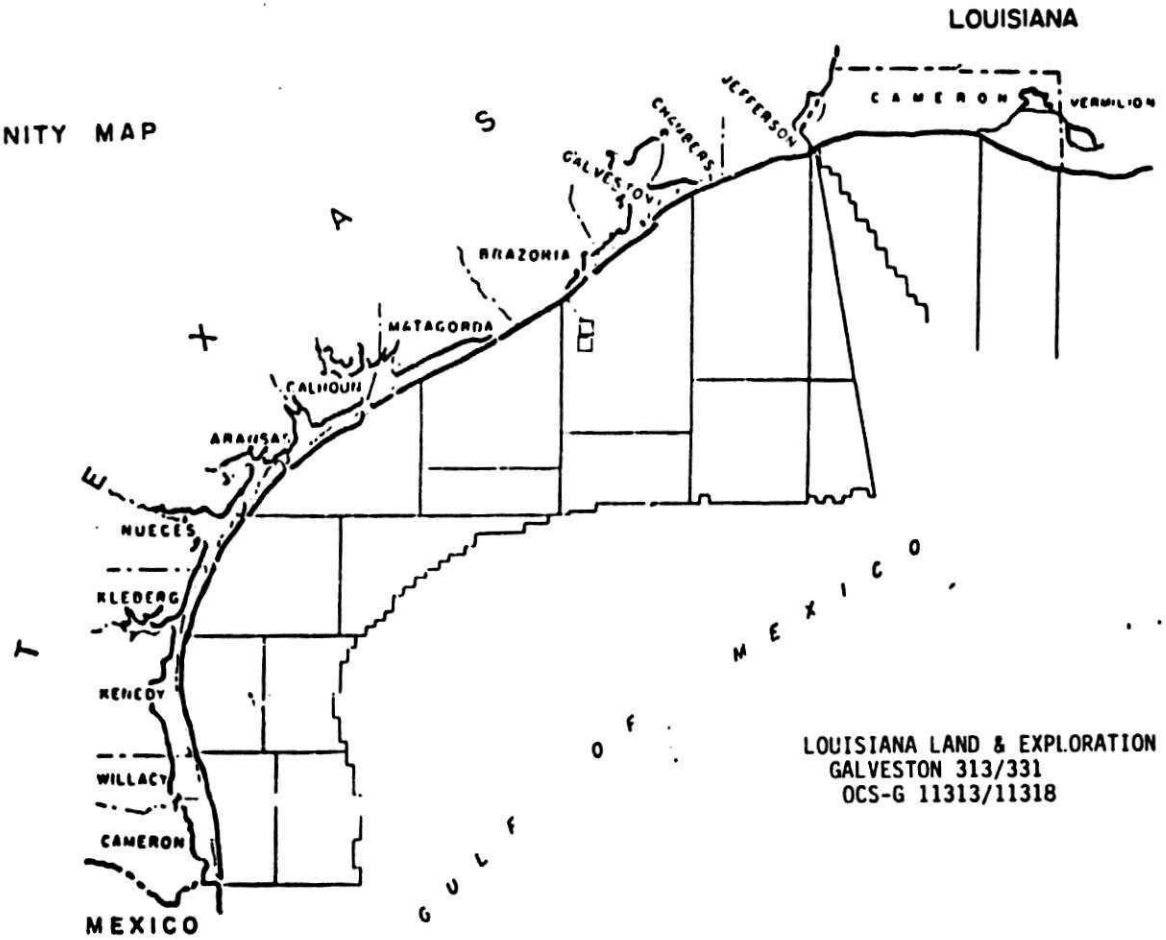
SIDE VIEW



PLAN

TYPICAL JACK-UP RIG & APPURTENANCES

VICINITY MAP



LOUISIANA LAND & EXPLORATION
GALVESTON 313/331
OCS-G 11313/11318

ATTACHMENT J