In Reply Refer To: MP-2-1

AUG 5 1985

Sohio Petroleum Company
Attention: Mr. Cary W. Keith
Post Office Box 51468
Lafayette, Louisiana 70505

Gentlemen:

Reference is made to your Initial Development Operations Coordination Document (DOCD) received July 8, 1985, for Lease OCS-G 6280, Block 165, East Breaks Area. This DOCD includes the activities proposed for Platform A and 22 wells.

In accordance with 30 CFR 250.34, revised December 13, 1979, and Notice to Lessees and Operators No. 84-1, this DOCD has been determined to be complete as of August 5, 1985, and is now being considered for approval.

Your control number is N-2214 and should be referenced in your communication and correspondence concerning this DOCD.

Sincerely yours,

for

D. W. Solanas
Regional Supervisor
Rules and Production

bcc: Lease OCS-G 6280 (OPS-3-2) (FILE ROOM)
OPS-3-4 w/Public Info. Copy of the DOCD (PUBLIC RECORDS ROOM)
DO-3

MJTolbert:gcw:7/9/85 Disk 3a

Office of
Program Services

AUG 09 1985

Minerals Management
Service

SOHIO PETROLEUM COMPANY

July 5, 1985

MINERALS MANAGEMENT SERVICE

JUL 08 1985

RULES AND PRODUCTION

Mr. D. W. Solanas
Regional Supervisor
Minerals Management Service
3301 N. Causeway Blvd.
Metairie, LA 70002

Re: Development Operations
Coordination Document
East Breaks Block 165
OCS-G-6260
Offshore Texas

Dear Mr. Solanas:

Please find enclosed five (5) confidential and three (3) public information copies of the Development Operations Coordination Document (DOCD) for proposed activities in East Breaks Block 165. Two (2) copies of the Hazard Study were submitted with the initial POE for this block on January 17, 1984. Side scan sonar, sub-bottom profile and pinger profile data for the lines closest to the proposed platform location (lines 4, 5, 16, 17 and 28) were submitted directly to the Lake Jackson District Office.

If you have questions or require additional information, please contact Mary Hungate at (318) 989 4200.

Sincerely,

Cary W. Kerlin

Cary W. Kerlin
Regulatory Supervisor
Lafayette District

MEH/brg
Enclosure

cc: Mr. W. D. Harris
Mr. M. Baugh
Mr. H. Dupuy

PUBLIC
INFORMATION

LIST OF ATTACHMENTS

A. Vicinity, Platform and Spider Maps
B. Pipeline Plat
C. Structure Maps & Geologic Cross Section
D. Shallow Hazard Statement
E. Drilling Mud Components
F. Diverter System Schematic
G. Calculations for Air Emissions

DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
EAST BREAKS BLOCK 165
OCS-G-6280
OFFSHORE TEXAS

In compliance with 30 CFR 250.34, Sohio Petroleum Company submits the following Development Operations Coordination Document (DOCD) for proposed activities in East Breaks Block 165.

I. DESCRIPTION OF ACTIVITIES

Sohio Petroleum Company proposes to develop East Breaks Block 165 from an eight leg, four pile self-contained drilling and production platform with twelve skirt piles. Forty slots will be available for conductors with twenty-two 30" conductors pre-installed. Platform "A" will be installed at approximately 8550' FNL and 6390' FEL of East Breaks Block 165. Attachment A includes a vicinity map and a platform location plat indicating the relation of the block to the Texas coast and the relation of the platform to the lease lines.

Platform "A" will be designed to accommodate two drilling rigs, with both rigs drilling simultaneously with production operations. As a group of wells are drilled and completed, production operations will begin. A simultaneous drilling and production plan will be submitted to the MMS District Supervisor, Texas District, prior to commencement of operations.

A ten-inch (10") oil pipeline is tentatively proposed to extend from the proposed platform to an existing platform in High Island Block A-474, a distance of approximately 31.4 miles. The pipeline will be buried for a distance of approximately 7.5 miles south of the tie-in point at the High Island Block A-474 platform.

A ten-inch (10") gas pipeline is tentatively proposed to extend from the proposed platform to an extension of the existing pipeline system in High Island Block A-582. This pipeline will not be buried.

Attachment B includes a plat indicating the proposed pipeline routes.

II. SCHEDULE OF ACTIVITIES

Preliminary engineering and geological development studies have been completed. The proposed schedule of activities is as follows:

	Begin	Complete
Design Platform & Facilities	01/01/85	07/01/86
Fabricate Platform & Facilities	04/14/85	08/15/86
Install Platform & Facilities	08/28/86	11/01/86
Install Oil Pipeline	05/01/86	06/30/86
Install Gas Pipeline	09/01/86	09/30/86
Install Drilling Rigs	11/01/86	11/20/86
Drill & Complete 22 Wells	11/20/86	05/01/89

Production is expected to commence on or about May 1, 1987, at a rate of about 9,000 barrels per day and 12 MMCF per day. Maximum production of 15,000 barrels of oil per day and 50 MMCF per day is expected to be reached by July 1, 1987. The estimated life of reserves is 13 years, with a production schedule as follows:

YEAR	OIL & CONDENSATE MM BARRELS	GAS BCF
1987	3.1	4.1
1988	4.9	14.9
1989	5.8	18.7
1990	3.0	11.6
1991	0.5	7.3
1992	0.3	12.0
1993	0.3	8.7
1994	0.2	5.8
1995	0.1	3.8
1996	0.1	2.4
1997	0.04	1.5
1998	0.03	0.8
1999	0.02	0.3

III. LOCATION

A location map of the lease block in relation to the Texas coast is included in Attachment A. Sohio will utilize existing support facilities in Sabine Pass, Texas, as the base of operations for proposed drilling and production operations in East Breaks Block 165. The base will serve the following functions: (1) loading point for tools, equipment and machinery to be delivered to the offshore platform; (2) transportation and crew change base; and (3) temporary storage for materials and equipment. The base is equipped with loading docks and cranes necessary for safe operations. The existing onshore facilities are sufficient to support the proposed operations without modification or expansion.

IV. GEOLOGICAL AND GEOPHYSICAL DATA

The twenty-two development wells included in this DOCD will be drilled from Platform "A", located 8550' FNL and 6390' FEL of East Breaks Block 165. Water depth at the platform location is 863'. The depth (TVD) and bottom hole location of each well is as follows:

WELL	PBHL	PTVD
1		
2		
3		

WELL	PBHL	PTVD
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		

Geologic structure maps and cross sections are included in the confidential copies of this document as Attachment C.

Two (2) copies of the shallow hazard report entitled "Hazard Study Block 165, East Breaks Area", prepared by John Chance & Associates, Inc. were submitted to the MMS with the initial Plan of Exploration on January 17, 1984. The shallow hazard data has been reviewed by Mr. Chris Nettles, Sohio's Production Geophysicist Supervisor. Attachment D contains a statement from Mr. Nettles addressing sea floor conditions and possible shallow hazards at the proposed platform site.

An archaeological survey is not required for this block.

V. OIL SPILL INFORMATION

Sohio Petroleum Company is a member of Clean Gulf Associates (CGA), and would utilize CGA equipment in the event of an oil spill at East Breaks Block 165. The closest CGA equipment stockpiles are at Galveston and Texas City, Texas, and Cameron, Louisiana, respectively. The deployment time from each of these locations is 15, 16 and 18 hours, respectively. Manpower to operate CGA equipment would be provided by Peterson Maritime Services, whose personnel are trained for oil spill clean up operations. Sohio's supervisory personnel would direct clean up operations until successfully completed. Additional details of oil spill clean up planning are included in Sohio's 1985 Oil Spill Contingency Plan, approved by MMS on June 19, 1985.

VI. MISCELLANEOUS INFORMATION

A. List of Mud Components

Attachment E includes a list of drilling mud components and additives proposed for use in East Breaks Block 165.

B. Description of Drilling Rigs

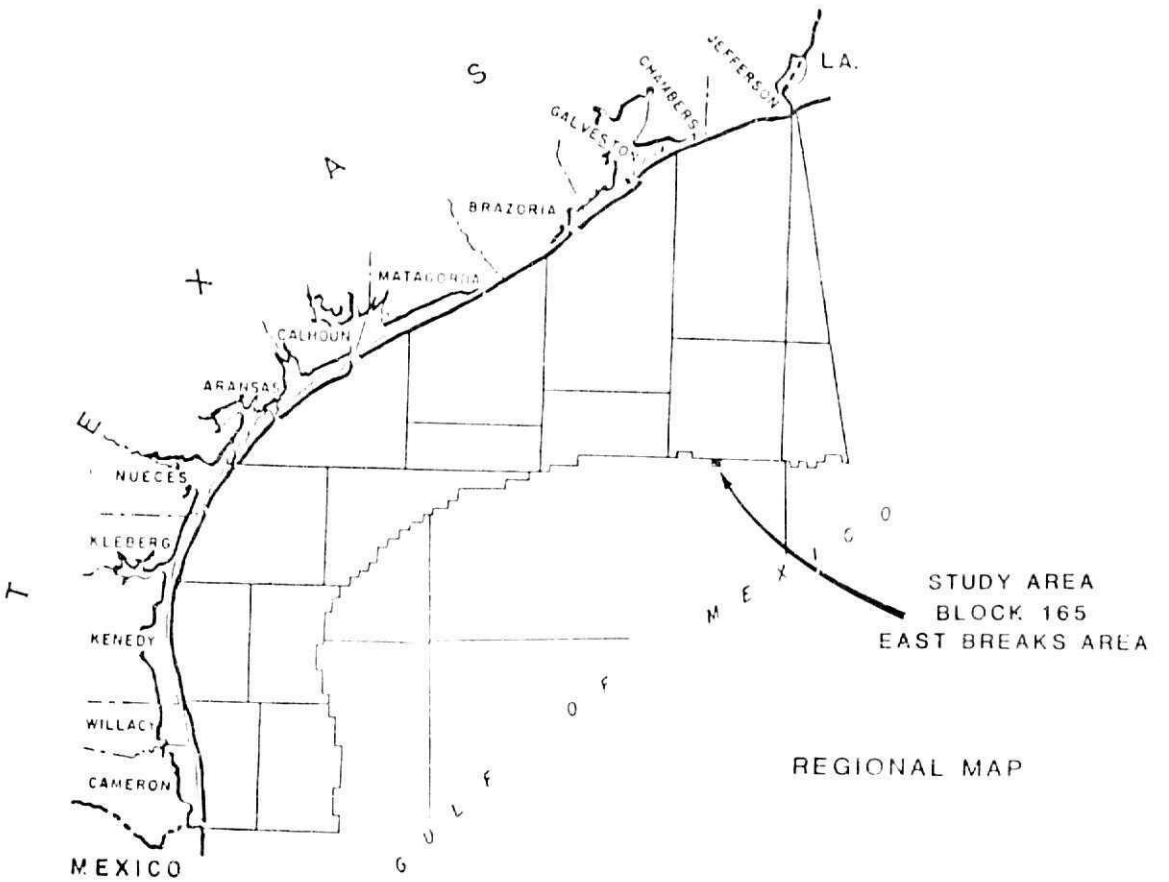
Two self-contained platform drilling rigs are proposed for use in East Breaks Block 165, simultaneously drilling until all proposed wells are completed. Sohio presently does not have the rigs under contract to drill these wells; however, it is anticipated that the rigs will be similar to the "Dual 29" platform drilling rig, presently under contract to Sohio. The rigs will be equipped with all required pollution control equipment, such as deck drains, sumps, drip pans and sewage treatment facilities. The blowout preventers and diverter systems will comply with requirements of OCS Order No. 2. A schematic of the type of diverter system to be used is included in Attachment F.

C. Calculations for Air Emissions

Projected emissions resulting from activities described in this document have been calculated and are included in Attachment G.

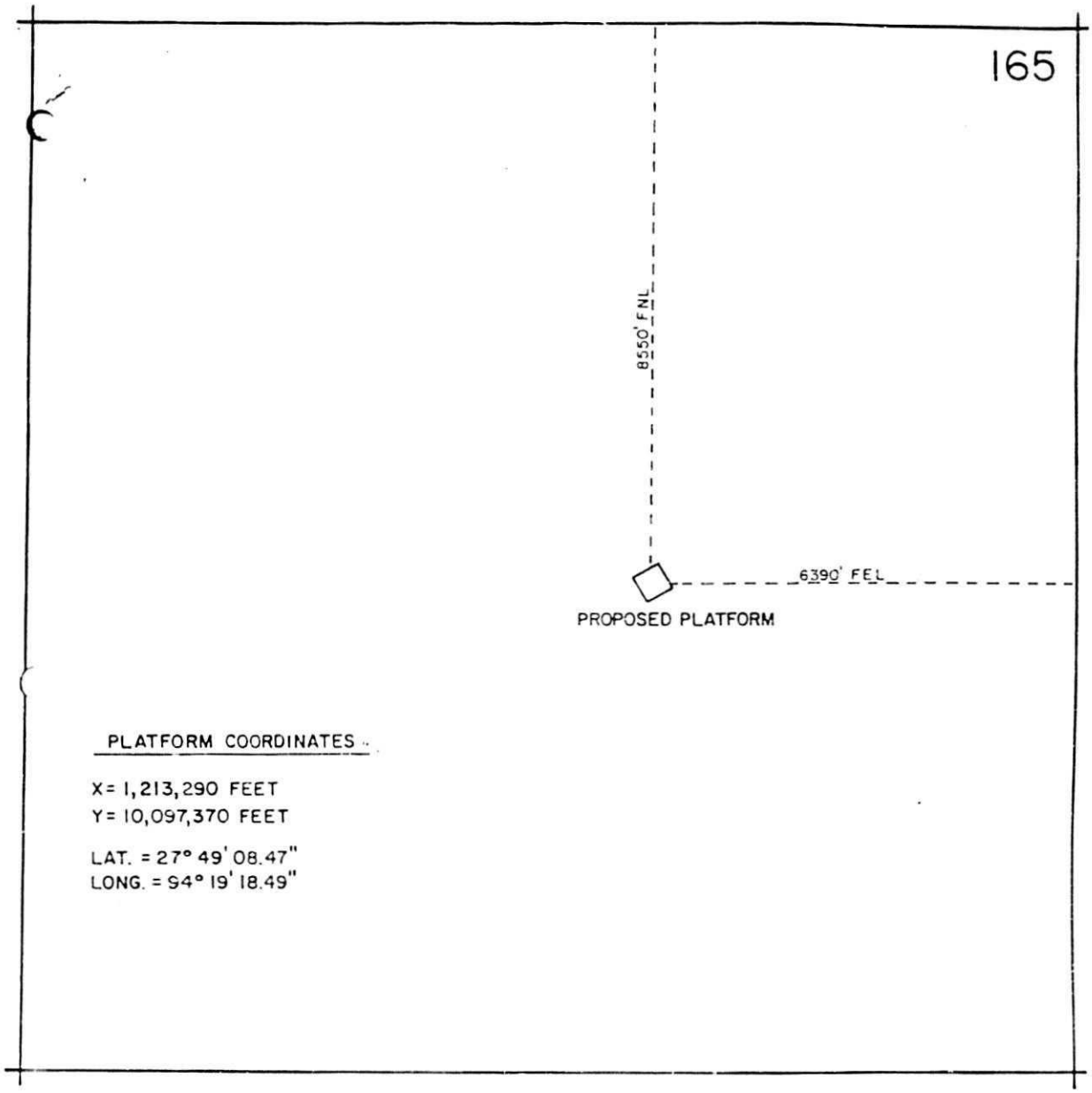
D. Environmental Report and CZM Consistency

An Environmental Report and Coastal Zone Consistency Certification is not required for the activities described in this document.



REGIONAL MAP

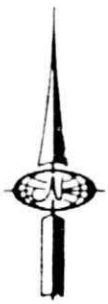
ATTACHMENT A



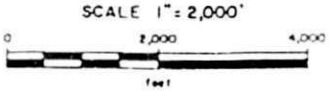
PLATFORM COORDINATES

X = 1,213,290 FEET
Y = 10,097,370 FEET

LAT. = 27° 49' 08.47"
LONG. = 94° 19' 18.49"



SCALE 1" = 2,000'



SOHIO PETROLEUM COMPANY

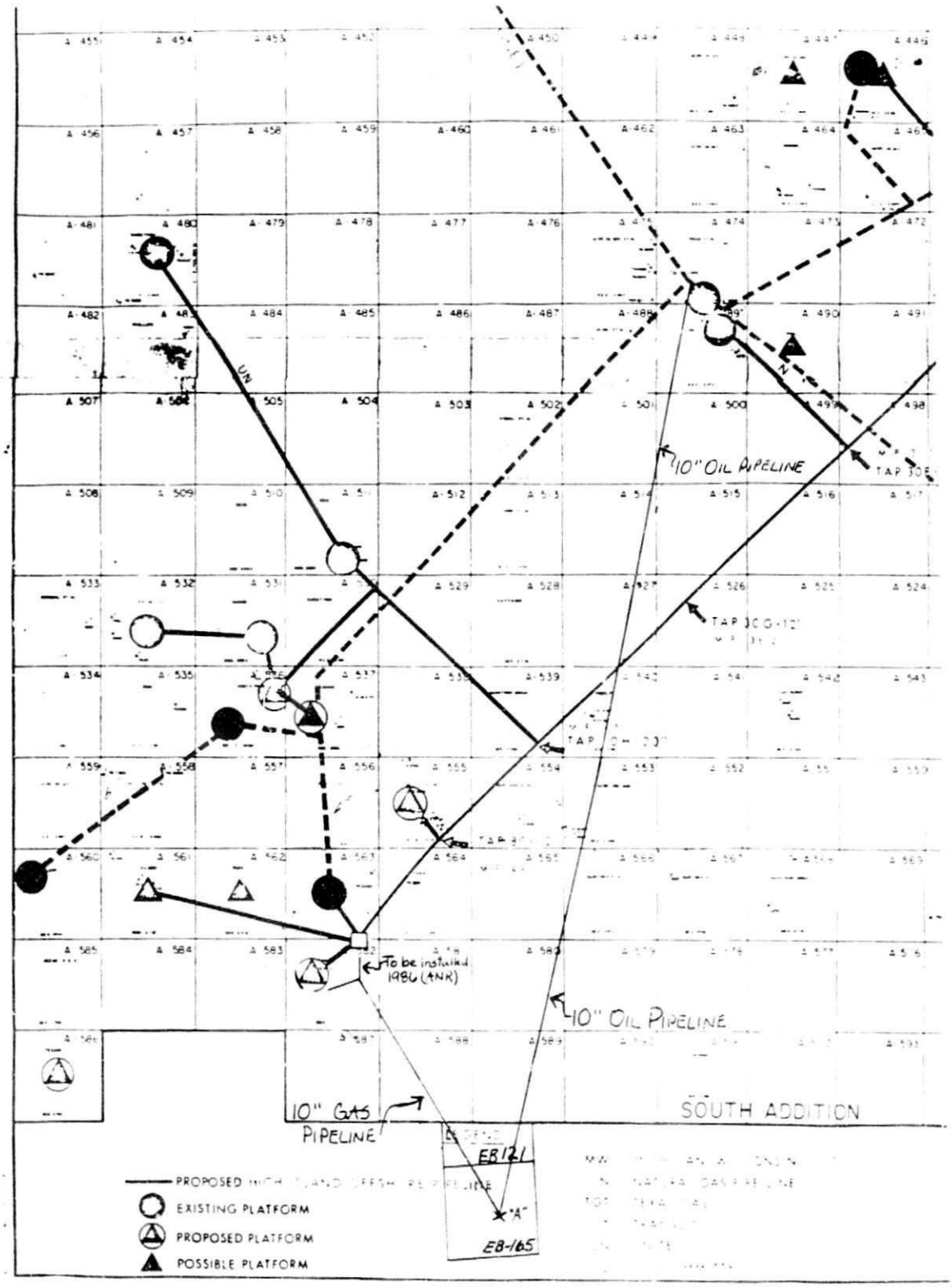
GULF COAST | OFFSHORE TEXAS

BLOCK 165
EAST BREAKS AREA

PLATFORM LOCATION
OCS-G-6280

Author: L HOWERTER	Date: 5-15-85	Ref. No.
Design	Scale: 1" = 2,000'	Revised No.
Dr. By: C STOTTS	Dr. No. EX-6A-TX-H-2300	
Revisions	EX-6A-TX-H-1911	A

ATTACHMENT A



ATTACHMENT B

SOHIO
PETROLEUM
COMPANY

Office Correspondence

June 27, 1985

R. J. Broussard
Lafayette

Re: Shallow Drilling Hazards
East Breaks Block 165
OCS-G-6280, Proposed Platform "A"

Gulf Coast Division geophysicists have reviewed the above platform location; that location being 8550' from the north line and 6390' from the east line, in order to determine if any shallow drilling hazards exist. We have reviewed the shallow hazard survey presented for East Breaks 165, OCS-G-6280, and the interpretation report for Block 165. Additionally, the basic data around the proposed Platform "A" location has been reviewed.

The seafloor hazards to the platform have been adequately addressed by additional side-scan surveys and geotechnical studies, resulting from soil borings. We have restricted our evaluation to subsurface drilling hazards which might appear on high resolution seismic data.

We concur with the summary of results from the East Breaks 165 report, which indicates that no "bright spot" anomalies exist below the proposed platform location.

Similarly there is no evidence for shallow traps at the location which could form a potential shallow gas drilling hazard. The platform location is approximately 200' northwest of a shallow gas area indicated by the hazard survey. This shallow gas area was penetrated by the #3 well on this block and did not encounter any difficulties in drilling through the shallow section.

C. B. Nettels

CBN/lld

cc: D. O. Bozeman
W. D. Harris
P. Hosemann

ATTACHMENT D

SOHIO PETROLEUM COMPANY

DRILLING MUD COMPONENTS

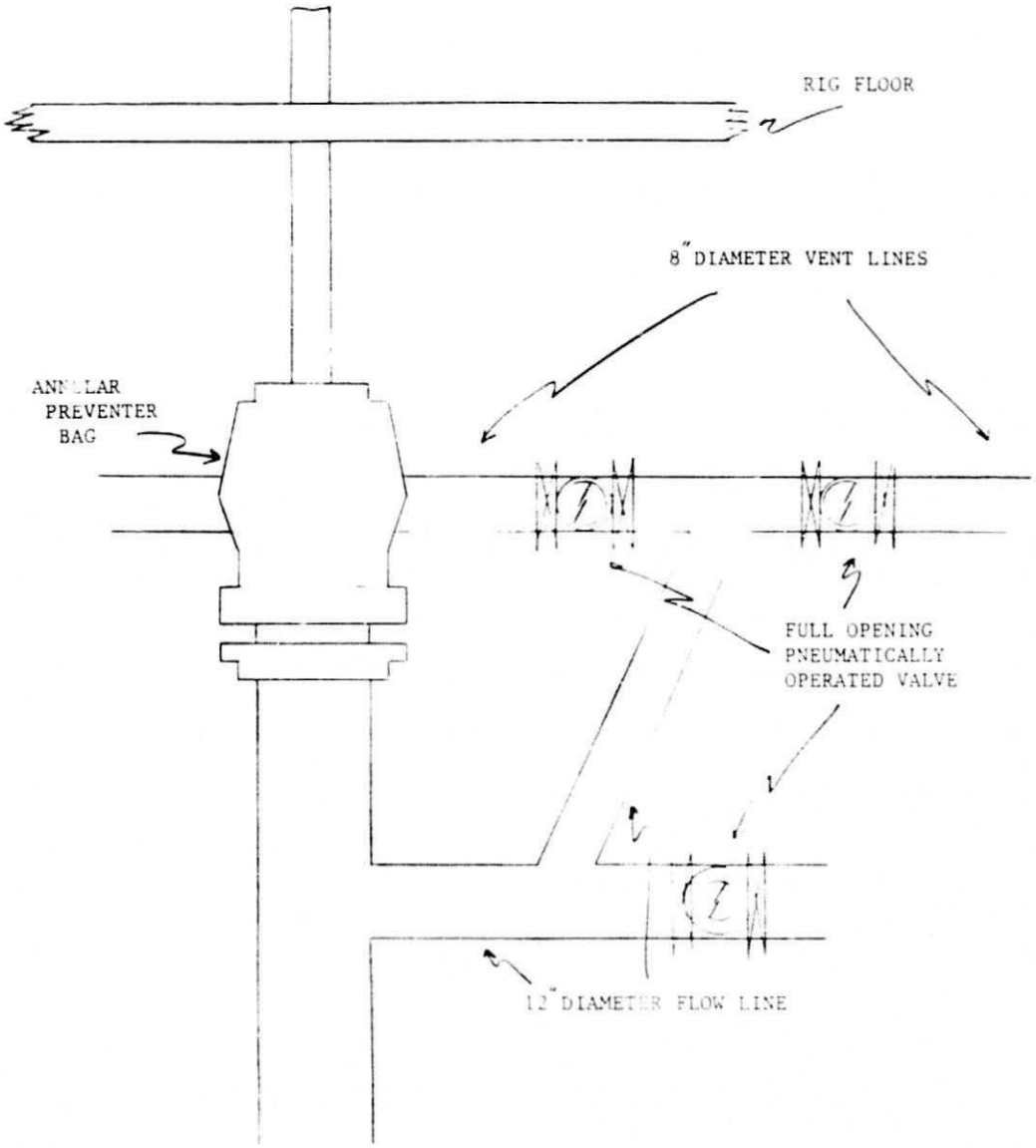
Products of IMCO Services and Sun Drilling Products are listed in this program for illustration purposes. Equivalent or comparable products are available from other service companies such as NL Baroid, Magcobar, and Milchem.

Trade Name	Composition	Purpose
IMCO GEL	Western Bentonite; A natural occuring element containing plates of Silica & alumina (Inert)	Primary wall building, filtrate control, & suspending agent for water based drilling fluid
IMCO SURLIFT	Preshaped, wet processed, high density chrysotile asbestos (a native calcium magnesium silicate)	Viscosifier for upperhole fluids
IMCO GELEX	Co-polymer of polyvinyl acetate & maleic anhydride	Bentonite extender
IMCO LOYD	Pregelantinized Starch	Fluid loss control
IMCO PLUG	Crushed walnut hulls	Lost circulation & bit balling
IMCO MENTOR-28	Mineral Oil	Lubricant/Fluid loss control
IMCO RD-111	A proprietary blend containing modified lignosulfonates, modified lignite and chromate	Thinner and filtrate control for water base drilling fluids
IMCO C-COR	An organic filming amine	Corrosion inhibitor and oxygen scavenger
IMCO XO_2	An inorganic compound of the bisulfite family	Oxygen scavenger
IMCO BAR	Mined barite (Ground barium sulfate)	Weighting agent
CAUSTIC SODA	Sodium hydroxide	Alkalinity control
IMCO LIG	Lignite, ground & refined	Thinner & water loss control
SODA ASH	Sodium carbonate	Removing hardness (calcium) from drilling fluid
SUN LUBRA-GLIDE	Stirene, divinalbenzene copolymer spheral beads	Reduces torque & drag
SUN LUBRA-SEAL	Micronized callulose fiber cotton seed hairs	Improve wall cake

ATTACHMENT E

SCHEMATIC OF DIVERTER SYSTEM

NOT TO SCALE



ATTACHMENT F

B.P.B. 9/84

* * * * * * *

AIR QUALITY REVIEW
For
DEVELOPMENT/PRODUCTION PLAN
FOR

EAST BREAKS AREA BLOCK 165

(OCS-G-6280)

SOHIO PETROLEUM COMPANY
3639 AMBASSADOR CAFFERY PARKWAY
LAFAYETTE, LOUISIANA 70508

* * *

Submitted To
CARY KERLIN
REGULATORY SUPERVISOR

(318-981-9483)

JUNE 21, 1985

* * *

Prepared by:
JOHN E. CHANCE & ASSOCIATES, INC.
Regulatory and Environmental Division
Lafayette, Louisiana
Project No. 85-8166

PROJECTED AIR EMISSION SCHEDULE FOR DEVELOPMENT/PRODUCTION

I. General Information

Location of Facility - East Breaks Area Block 165
Distance Offshore - 97.0 miles
Name of Rig/Platform - Jack-up
Beginning date - November 20, 1986
Owner/Operator - Sohio Petroleum Company
Address - 3639 Ambassador Caffery Parkway
Lafayette, Louisiana 70508
Contact Person - Cary Kerlin
Regulatory Supervisor

II. Findings of Air Quality Review

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

III. Allowable Emissions at the Rig/Platform

Year	Emitted Substance					Status
	CO	SO2	NOx	VOC	TSP	
1-11	71778.4	3230.1	3230.1	3230.1	3230.1	OK

IV. Emissions At the Rig/Platform

Projected Emissions (tons/yr)	Emitted Substances					Status
	CO	SO2	NOx	VOC	TSP	
1	15.48	.36	79.43	9.2	.36	OK
2	65.64	1.47	345.59	54.94	1.02	OK
3	66.80	1.69	349.72	56.07	.26	OK
4	26.68	.86	139.17	15.42	.76	OK
5	12.47	.53	57.56	4.47	.50	OK
6	14.29	.81	64.28	4.89	.74	OK
7	13.01	.62	59.56	4.42	.57	OK
8	11.88	.44	55.41	3.88	.42	OK
9	11.11	.32	52.55	3.46	.32	OK
10	10.57	.24	50.54	3.27	.25	OK
11	10.22	.18	49.25	3.04	.21	OK

V. Total Supply & Crew Boat Emissions at Sabine Pass, Texas

Projected Emissions (tons/yr)	Emitted Substances					Status
	CO	SO2	NOx	VOC	TSP	
1	10.28	*	72.17	3.89	*	OK
2-3	35.58	*	249.66	13.45	*	OK
4	16.31	*	114.43	6.16	*	OK
5-11	6.67	*	46.81	2.52	*	OK

VI. Total Helicopter Emissions at Sabine Pass, Texas

Projected Emissions (tons/yr)	Emitted Substances					Status
	CO	SO2	NOx	VOC	TSP	
1	3.33	.10	.34	.30	.15	OK
2-3	5.92	.18	.60	.54	.26	OK
4	3.95	.12	.40	.36	.17	OK
5-11	2.96	.09	.30	.27	.13	OK

VII. Transportation Services Data Drilling and Production

	Drilling	Production
Supply Boats (3000 hp)		
Port - Sabine Pass, Texas		
Waiting Time -	10	10
Trips Per Week -	4	4
Crew Boats (2500 hp)		
Port - Sabine Pass, Texas		
Waiting Time -	4	0
Trips Per Week -	14	0
Helicopters		
Base - Sabine Pass, Texas		
Trips Per Week -	10	10

Other (Explain) - NA

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*The EPA does not provide SO2 and TSP emission factors for boats nor does it provide TSP factors for drilling.

VIII. Factors Used in Calculations

Emission Factors for Power Generation

Emitted Substance(s)	Drilling (lb/hp-hr)
CO	.0042
SO2	.0019
NOX	.028
VOC	.00095
TSP	*

Emission Factors for Helicopters and Boats

Emitted Substance(s)	Helicopters (lb/engine-LTD)	Boats (lb/gal)
CO	5.7	.0598
SO2	.18	*
NOX	.57	.4196
VOC	.52	.0226
TSP	.25	*

Other Factors
Drilling Power Generation - 60 hp-hr/ft.
Fuel Consumption by Boats - .0959 gal/KW-hr.

IX. Methodology

Rig/Platform: horsepower-hour method
Boats: horsepower-hour method
Helicopters: landing/takeoff (LTO) cycle method

X. References

Production and Drilling - EPA-450/3-77-026 (June, 1977) - "Atmospheric Emissions From Offshore Oil and Gas Development and Production", pp. 81-116.

Boats and Helicopters - EPA Report AP-42 - "Compilation of Air Pollutant Emission Factors", 3rd edition, (August, 1977), pp. 116, 125, 127.