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In Reply Refer To: MS 5231

July 25, 1994

EP Operating Limited Partnership
Attention: Ms. Susan B. Becnel
4849 Greenville Avenue
Dallas, Texas 75206-4186

Gentlemen:

Reference is made to the following plan received July 11, 1994:

Type Plan - Supplemental Development Operations Coordination Document
Lease - OCS-G 7220
Block - 455
Area - Brazos
Activities Proposed - Well A-3

In accordance with 30 CFR 250.34, this plan is hereby deemed submitted and is now being considered for approval.

Your control number is S-3331 and should be referenced in your communication and correspondence concerning this plan.

Sincerely,

(Orig. Sgd.) Kent E. Stauffer

William H. Martin
Acting Regional Supervisor
Field Operations

bcc: Lease OCS-G 7220 POD File (MS 5032)
MS 5034 w/public info. copy of the plan
and accomp. info.

DTrocquet:cic:07/18/94:DOCD COM

NOTED - SCHEXNAILDRE

**EP
OPERATING**
Limited Partnership

4849 Greenville Avenue
Dallas, Texas 75206-4186
214-369-7893
Telex: 73372 ENSERCH DAL
Telefax: 214-987-6673



VIA FEDERAL EXPRESS

July 7, 1994

Mr. Bill Martin
Acting Regional Supervisor
Field Operations
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

**RE: OCS-G 7220, BRAZOS AREA BLOCK 455
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION
DOCUMENT (DOCD)**

Dear Mr. Martin:

In accordance with the provisions of Title 30 CFR 250.34, and your letter of October 12, 1988, EP Operating Limited Partnership hereby submits for your approval nine (9) copies (five (5) confidential and four (4) Public Information copies) of the Supplemental DOCD for the referenced lease.

An Application for Permit to Drill the referenced additional well was submitted to the Lake Jackson District on June 29, 1994. The anticipated spud date is August 1, 1994. Your timely approval of this plan will be greatly appreciated.

Should you need additional information, please call me at your earliest convenience.

Sincerely,

Susan B. Becnel

Susan B. Becnel
Regulatory Compliance Specialist

Enclosures



**SUPPLEMENTAL REVISED DEVELOPMENT OPERATIONS
COORDINATION DOCUMENT**

BRAZOS AREA

BLOCK 455

OCS-G 7220

OFFSHORE, TEXAS

**EP OPERATING LIMITED PARTNERSHIP
JULY 1994**

**Ms. Susan Becnel
Regulatory Compliance Specialist
EP OPERATING LIMITED PARTNERSHIP
4849 Greenville Avenue, Suite 1200
Dallas, Texas 75206
Telephone: 214/987-6684**

PUBLIC INFORMATION COPY

EP Operating Limited Partnership
Brazos Area Block 455
OCS-G 7220

In compliance with Title 30 CFR 250.34, the following information is submitted for this Revised Development Operations Coordination Document (DOCD).

1. **DESCRIPTION**

A total of 2 wells, the OCS-G 7220 A-1 and A-2, have been drilled under the previously approved DOCD for Brazos Area Block 455. The A-1 is temporarily abandoned. The A-2 commenced production during October 1993. The A-2 well ceased producing on or June 23, 1994. This revision provides for the drilling of Well A-3. The well location is shown in Figure 1.

The production will be carried through a 6-5/8" pipeline to the Exxon platform in Brazos Block 453, and from Block 453 through a 12" pipeline to the TGPL Central Texas Lateral pipeline for onshore disposition.

2. **SCHEDULE**

The proposed activity schedule for development is:

<u>ACTIVITY</u>	<u>BEGIN</u>
Drill & complete A-3 well	August 1994
Hook-up	October 1994
Commence production	October 1994

3. **DESCRIPTION OF DRILLING RIG AND POLLUTION PREVENTION EQUIPMENT**

Drilling operations will be conducted in compliance with all applicable Minerals Management Service regulatory requirements. The drilling and completion program outlined herein is expected to commence in early August 1994. Drilling operations will be conducted from the Chiles Independence jack up drilling rig.

4. LOCATION OF DEVELOPMENT WELLS

CURRENTLY SHUT-IN WELLS

<u>WELL</u>	<u>LOCATION</u>	<u>MD</u>	<u>WATER DEPTH</u>
A-1	SL:6484' FSL & 8288' FEL OF BLK 455		91'
A-2	SL:6488' FSL & 8281' FEL OF BLK 455		95'

ADDITIONAL WELL TO BE DRILLED FROM THE PLATFORM

A-3	SL:6482' FSL & 8276' FEL OF BLK 455		89'
-----	-------------------------------------	--	-----

LATITUDE: 28° 28' 50.043"

LONGITUDE: 95° 30' 58.598"

5. COMPANY CONTACT

Ms. Susan Becnel
EP Operating Limited Partnership
4849 Greenville Avenue, Suite 1200
Dallas, Texas 75206
214/987-6684

SUPPORTING INFORMATION

1. **STRUCTURE MAP**

Subsurface structure maps over the tops of the productive formations, with well locations, are included as Attachment 1.

2. **BATHYMETRY MAP**

Attachment 2 is a bathymetric map of Brazos Block 455, which shows the proposed platform location to be the same as the two suspended wells surface locations.

3. **HAZARD ANALYSIS**

Attachment 3 is a seafloor and subsurface Hazard Analysis. Please note that this well will be drilled from a site deemed clear of shallow hazards at an existing platform site.

4. **OIL SPILL CONTINGENCY PLAN INFORMATION**

Attachment 4 is a brief description of EPO's Oil Spill Contingency Plan. It includes a list of equipment to be used, location of said equipment and travel time to the Brazos Block 455 area, and an oil spill trajectory analysis.

5. **NEW OR UNUSUAL TECHNOLOGY - None**

6. **LEASE STIPULATIONS**

According to the report submitted to the MMS by Texaco Producing Inc. (POE N-2392), based on the complete geophysical survey conducted by Marine Technical Service, there are no cultural or archaeological resources in Brazos Block 455.

7. **SOLID AND LIQUID WASTES, AND POLLUTANTS**

A discussion of the quantity, rates of discharge, and composition of solid and liquid wastes and pollutants likely to be generated by onshore and offshore activities and transportation operations associated with the exploration on this block comprises Attachment 5.

8. **HYDROGEN SULFIDE**

EPO requests that the proposed area of operations be classified as "Zones where the absence of Hydrogen Sulfide have ben confirmed" under cfr 250.67 b(3), based on a lack of H₂s being discovered during the drilling of the Brazos Block 455 Wells A-1 and A-2, OCS-G 7220. These wells penetrated the equivalent sections that EPO will produce.

9. PROJECTED AIR EMISSIONS

The anticipated production from Well A-3 will not warrant the modification of the existing facilities. See Attachment 6.

10. ENVIRONMENTAL INFORMATION

An Environmental Report is not required for this DOCD.

11. DESCRIPTION OF ONSHORE BASE AND FACILITIES

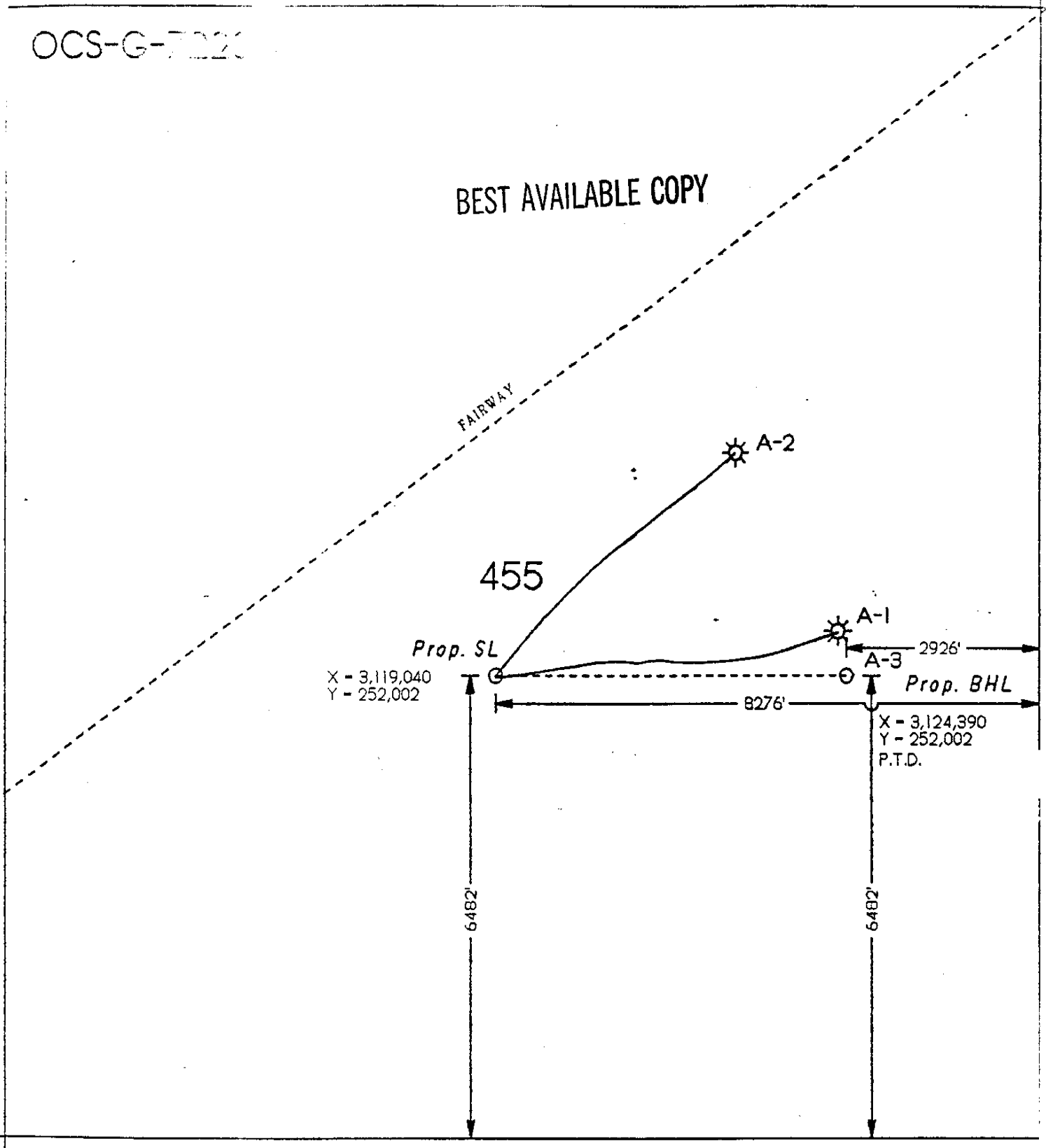
Brazos Block 455 is located approximately 33 miles from Freeport, Texas in a southerly direction. A location plat of this block relative to the shoreline, and showing transportation routes, is given in Figure 2. Average water depth in the block of 90 feet.

EPO will use existing Gulf Coast dock services which are located in Freeport, Texas. An onshore base will be established in existing buildings.

A crew boat and supply boat will make seven (7) and three (3) trips per week, respectively, from this facility. Helicopter trips (5 per week) will originate from the heliport of Petroleum Helicopters Inc. in Freeport, Texas. The onshore activities associated with Brazos Block 455 should not result in any increase in the number or size of onshore support and storage facilities or land and personnel requirements.

OCS-G-7220

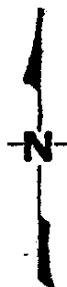
BEST AVAILABLE COPY



Prop. SL
X - 3,119,040
Y - 252,002

Prop. BHL
X - 3,124,390
Y - 252,002
P.T.D.

Scale
2000'



REVISORS
Date

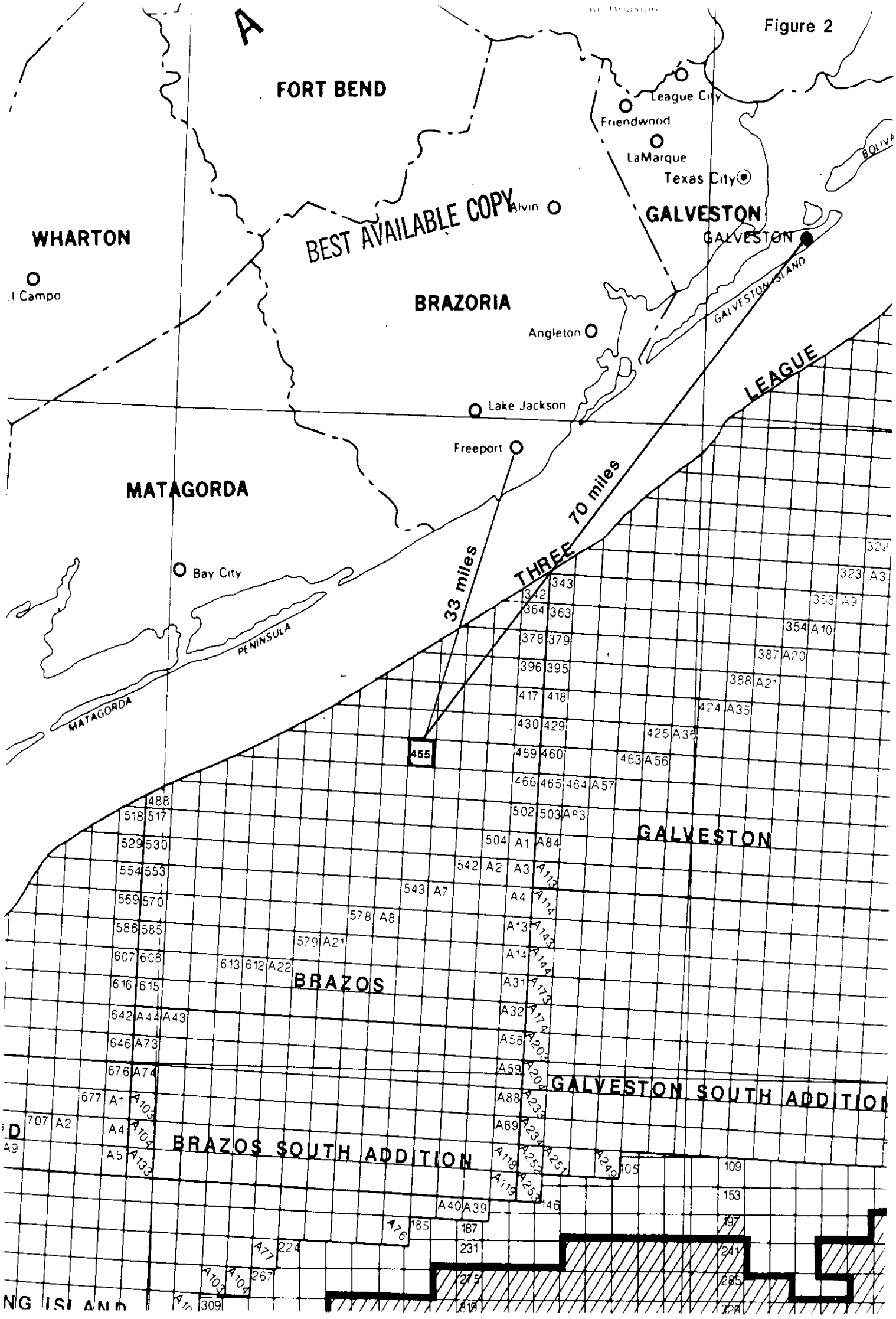
ENSERCH
EXPLORATION INC.
MANAGING GENERAL PARTNER OF EP OPERATING LIMITED PARTNERS
OFFSHORE REGION

Brazos Block 455
Gulf of Mexico

LOCATION PLAT

Signer: _____

Figure 2



ATTACHMENT

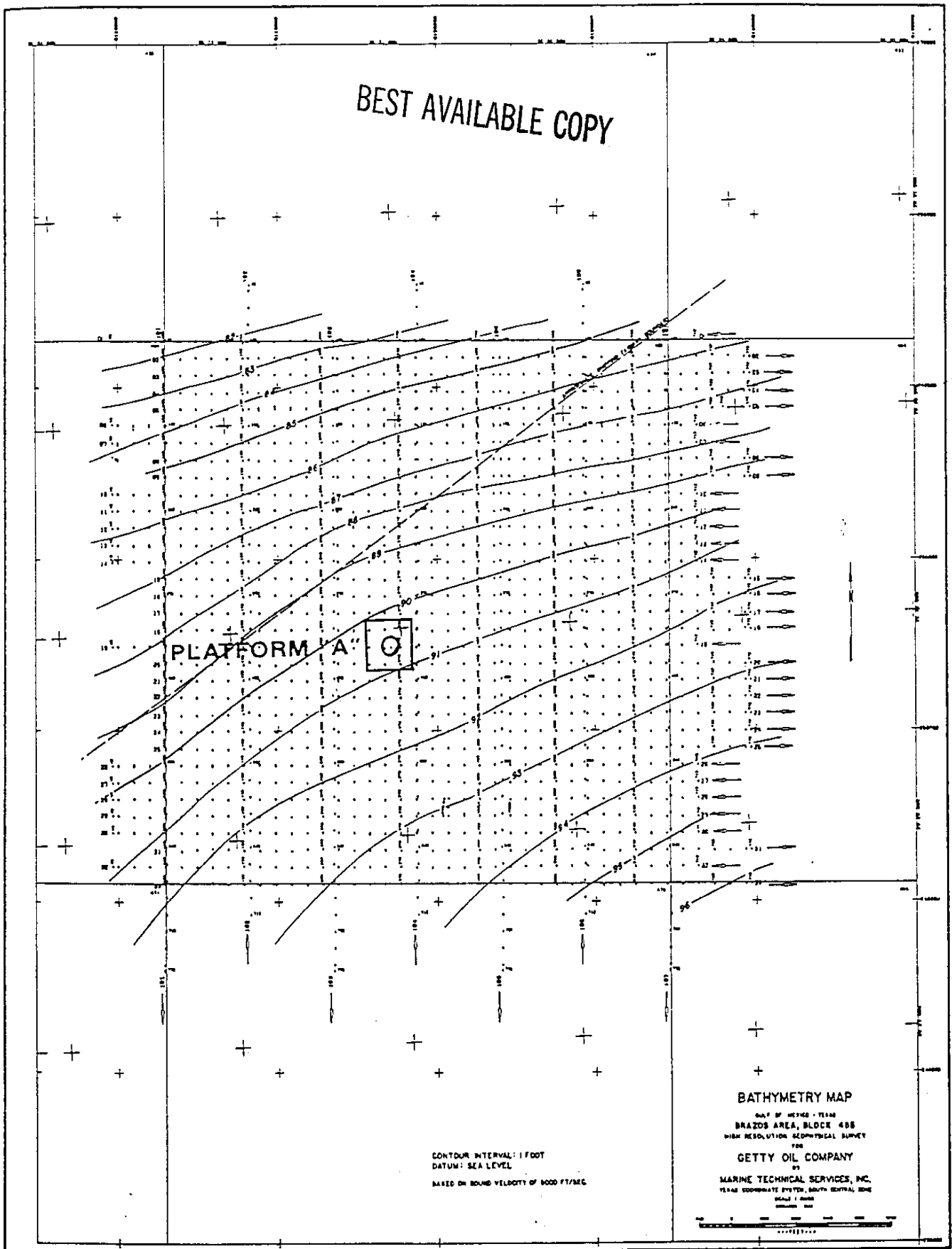


FIGURE 2

EP
OPERATING
Limited Partnership

4849 Greenville Avenue
Dallas, Texas 75206-4186
214-369-7893
Telex: 73372 ENSERCH DAL
Telefax: 214-987-6673

July 1, 1994

Mr. Bill Martin
Acting Regional Supervisor
Field Operations
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

**RE: SITE SPECIFIC HAZARD SURVEY
BRAZOS AREA BLOCK 455**

Dear Mr. Martin:

Based on the review of the data acquired by Marine Technical Services, Inc., there are no shallow hazards in Block 455 that will interfere with EP Operating Limited Partnership's drilling operations at the following location from the existing Platform "A":

WELL LOCATION

6482' FSL & 8276' FEL of Brazos Block 455

This well will be drilled from a site deemed clear of shallow hazards at the existing EPO Platform "A" location of 6484' FSL & 8287' FEL of Brazos Area Block 455. The OCS-G 7220 A-1 and A-2 wells were drilled from this site.

A copy of the Hazard Survey Report accompanied the Texas Producing POE (N-2392).

Sincerely,



Dave Middleton
Geophysicist

Attachment 4

DESCRIPTION OF APPROVED OSCP/OIL SPILL TRAJECTORY ANALYSIS

EPO has an approved Oil Spill Contingency Plan on file with the Minerals Management Service Deputy Conservation Manager, Offshore Operations Support. The purpose of the contingency plan is to provide, when an accidental spill does occur, an integrated and expeditious response to the emergency.

The Oil Spill Contingency Plan addresses company policies and response procedures, hierarchy of personnel responsibilities, instructions for notification of spill, and information on various procedures. Although this plan deals primarily with the reaction to an accidental spill, it must be emphasized that prevention of pollution is a primary concern of EPOC. It is the policy of this company to provide employee training and equipment designed to prevent the discharge of any pollutant. Every employee is expected to conduct all activities in a manner which prevents pollution from occurring. Personnel are kept informed of new equipment and technology concerning pollution prevention as well as spill containment and cleanup.

EPO is a member of Clean Gulf Associates (CGA), an oil spill cooperative in the Gulf of Mexico organized for spill containment and cleanup. As such, EPO has the authority to utilize or draw upon the CGA inventory of equipment and materials stockpiled at various locations throughout the Gulf.

The equipment base of operations for oil spill containment equipment will be the Clean Gulf Associates base in Galveston/Texas City, Texas. A break-down of estimated times (in hours) for the procurement of equipment and a suitable vessel and travel to the project site is as follows:

Procurement and Deployment Time

	<u>Hours</u>
Procurement of boat capable of handling Oil Spill Containment equipment and deployment to nearest EPO shore base in Freeport, Texas	2.0
Trailer FRU from Galveston, Tx to EPO base in Freeport, Texas while locating boat capable of handling equipment	*
Equipment loadout (FRU)	1.0
Travel to lease site from EPO base:	
- 33 miles at 10 mph open water	<u>3.3</u>
Estimated Total Response Time	6.3

* included in Item 1

All procedures, personnel responsibilities, and equipment are designed to be in compliance with CFR 250.40 (Pollution Prevention and Control).

Oil Spill Trajectory Analysis

In the event a spill occurs from Brazos Area Block 455, EPO has projected trajectory of a spill utilizing information in the Environmental Impact Statement (EIS) for OCS Lease Sales 139 and 141.

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 of Mexico. 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), the probable projected land fall of an oil spill from Brazos Area Block 455 is as follows. Also listed is the CGA Map Number corresponding to the land segment. This information will be utilized to determine environmentally sensitive areas that may be affected by a spill.

<u>Area</u>	<u>Land Segment Contact</u>	<u>%</u>	<u>CGA Map</u>
BA 455	Calhoun	1	TX MAP 2
	Matagorda	38	TX MAP 2
	Brazoria	9	TX MAP 3

QUANTITY, RATES OF DISCHARGE, AND COMPOSITION OF WASTES

The anticipated discharge rates per well A-3 for EPO's drilling operations in Brazos Area Block 455 are listed below:

<u>Depth</u>	<u>Hole Size</u>	<u>Quantity (BBLs)</u>	<u>Discharge Rate</u>
1,000'	28"	762	Max. 1,000 BPH
3,310'	22"	1039	Max. 1,000 BPH
6,670'	14-3/4"	710	Max. 1,000 BPH
9,220'	10-5/8"	309	Max. 1,000 BPH
13,170'	8-3/4"	<u>294</u>	Max. 1,000 BPH
		3114	

Cuttings discharges are based on the average hole size for each section of hole. The depths above are projected from the R.K.B. The water depth at the EXISTING PLATFORM is 89'.

Mud may be discharged at end of well operations. 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.

Sewage will be treated and discharged at the site. 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 permit limitations addressed in the EPA NPDES General Permit for the Gulf of Mexico. All discharges will be free of oil.

COMP OPERATING OPERAYS	AREA	BLOCK	LEASE	PLATFORM	WELL	LATITUDE	LONGITUDE	CONTACT	PHONE	REMARKS							
	BRZOS	433	OCS-G-7220 BA-455-A	3		28 028 96 07	95 30 54 87	SUSAN B BROWN	214 437 6834	DRILLING WILL COMMENCE JULY 20 1994							
EQUIPMENT																	
Diesel Engines																	
Net Gas Engines																	
HP																	
MAX FUEL																	
ACT FUEL																	
GAL/D																	
SCF/HR																	
SCF/D																	
HR/D																	
DAYS																	
TSP																	
SOX																	
NOx																	
VOC																	
CO																	
TSP																	
SOX																	
NOx																	
VOC																	
CO																	
TONS PER YEAR																	
DRILLING	PRIME MOVER->600hp diesel	8500	104.18	2499.84	24	65	3.49	21.66	159.91	4.80	34.89	2.72	16.90	124.73	3.74	27.21	
	PRIME MOVER->600hp diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP->600hp diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSEL-S->600hp diesel	4400	200.00	4800.00	24	65	2.33	14.44	106.61	3.20	23.26	1.81	11.26	83.15	2.49	18.14	
PIPELINE	PIPELINE LAY BARGE diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PIPELINE BURY BARGE diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FACILITY	DERRICK BARGE diesel	0	0.00	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	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PRODUCTION	RECIPI <600hp diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIPI >600hp diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	TURBINE nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIPI 2 cycle lean nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIPI 4 cycle lean nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIPI 4 cycle rich nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0.00	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	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	TANK	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	FLARE	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PROCESS VENT	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	FUGITIVES	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	GLYCOL STILL VENT	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	OIL BURN	0	0.00	0.00	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	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DRILLING	WELL TEST	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1994 YEAR TOTAL							5.81	36.10	266.52	8.00	56.15	4.54	26.16	207.69	6.24	45.36	
EXEMPTION CALCULATION DISTANCE FROM LAND IN MILES							55.0					1831.50	1831.50	1831.50	1831.50	49833.56	

AIR EMISSION CALCULATIONS

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	TSP	SOx	NOx	VOC	CO	REF.	DATE
NG Turbines	gms/hp-hr		0.00247	1.3	0.01	0.83	AP42 3.2-2	4/93
NG 2-cycle lean	gms/hp-hr		0.00185	11	0.43	1.5	AP42 3.2-2	4/93
NG 4-cycle lean	gms/hp-hr		0.00185	12	0.72	1.6	AP42 3.2-2	4/93
NG 4-cycle rich	gms/hp-hr		0.00185	10	0.14	8.6	AP42 3.2-2	4/93
Diesel Recip. < 600 hp.	gms/hp-hr	1	0.931	14	1.12	3.03	AP42 3.3-1	4/93
Diesel Recip. > 600 hp.	gms/hp-hr	0.24	1.49	11	0.33	2.4	AP42 3.4-1	4/93
NG Heaters/Boilers/Burners	lbs/mmscf	5	0.6	140	2.8	35	AP42 1.4-1	4/93
NG Flares	lbs/mmscf		0.57	71.4	60.3	388.5	AP42 11.5-1	9/91
Liquid Flaring	lbs/bbls	0.42	6.6	2.3	0.01	0.21	AP42 1.3-1	4/93
Tank Vapors	lbs/bbl				0.03		E&P Forum	1/93
Fugitives	lbs/hr/comp.				0.000025		API Study	12/93
Glycol Dehydrator Vent	lbs/mmscf				6.6		La. DEQ	1991
Gas Venting	lbs/scf				0.0034			

AIR EMISSION CALCULATIONS

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
EP OPERATI	BRAZOS	455	OCS-G-7220	BA-455-A	3
Emitted					
Year	Substance				
	TSP	SOx	NOx	HC	CO
1994	4.54	28.16	207.89	6.24	45.36
1995	0.00	0.00	0.00	0.00	0.00
1996	0.00	0.00	0.00	0.00	0.00
1997	0.00	0.00	0.00	0.00	0.00
1998	0.00	0.00	0.00	0.00	0.00
1999	0.00	0.00	0.00	0.00	0.00
2000	0.00	0.00	0.00	0.00	0.00
2001	0.00	0.00	0.00	0.00	0.00
2002	0.00	0.00	0.00	0.00	0.00
2003	0.00	0.00	0.00	0.00	0.00
Allowable	1831.50	1831.50	1831.50	1831.50	49833.56