In Reply Refer To: RP-2-1

SEP 28 1984

Texas Gas Exploration Corporation
Attention: Mr. John H. Feaster
Post Office Box 4326
Houston, Texas 77210

Gentlemen:

Reference is made to your Initial Plan of Exploration received September 26, 1984, for Lease OCS-G 6266, Block A-403, High Island Area. This plan includes the activities proposed for Wells A through F.

In accordance with 30 CFR 250.34, revised December 13, 1979, and our letter dated January 29, 1979, this plan has been determined to be complete as of September 28, 1984, and is now being considered for approval.

Your plan control number is N-1841 and should be referenced in your communication and correspondence concerning this plan.

Sincerely yours,

(ORIG. SGD.) RALPH I. MELANCON

D. W. Solanas
Regional Supervisor
Rules and Production

bcc: Lease OCS-G 6266 (OPS-2-3) (FILE ROOM)
OPS-2-5 w/Public Info. Copy of the plan (PUBLIC RECORDS ROOM)
RD-3

ADGobert:gcw:9/27/84 Disk 30

TEXAS GAS EXPLORATION CORPORATION

2 Houston Center, Suite 2000
909 Fannin Street
P.O. Box 4326
Houston, TX 77210-4326

(713) 739-3000

September 24, 1984

Minerals Management Service
P. O. Box 7944
Metairie, Louisiana 70010-7944

Attention: Mr. D. W. Solanas
Offshore Operations Support

Reference: Initial Plan of Exploration
OCS-G-6266
High Island Block A-403
Offshore, Texas

Gentlemen:

Texas Gas Exploration Corporation respectfully submits eight (8) copies or the attached Plan of Exploration for the lease OCS-G-6266, High Island Block A-403, (Five copies are proprietary and three copies are Public Information). Three copies of the Geophysical Survey Report was submitted to Minerals Management Service on August 17, 1984.

The plan is submitted in two parts as per 30 CFR 250.34.

Part I - Exploration Plan
Part II - Exempt from Disclosure Plan

Please advise should additional data be required.

Very truly yours,
TEXAS GAS EXPLORATION CORPORATION

John H. Feaster

John H. Feaster
Drilling Engineer

JHF:LLS:kc

TEXAS GAS EXPLORATION CORPORATION

PLAN OF EXPLORATION

OCS-G-6266

HIGH ISLAND BLOCK A-403

OFFSHORE, TEXAS

TEXAS GAS EXPLORATION CORPORATION
P. O. BOX 4326
HOUSTON, TEXAS 77210-4326

JOHN H. FEASTER
DRILLING ENGINEER
(713) 739-3000

DATE SEPTEMBER 24, 1984

TEXAS GAS EXPLORATION CORPORATION

PART I

TEXAS GAS EXPLORATION CORPORATION

Plan of Exploration
OCS-G-6266
High Island Block A-403
Offshore, Texas

Description of and Schedule for Exploration

Activities

This Plan of Exploration proposes the drilling and completion of six (6) wells in High Island Block A-403, to evaluate the Block for the presence of commercial accumulations of hydrocarbons. The water depth ranges from about 400 feet at the northeast corner to 518 feet at the southeast.

The estimated commencement date for the above mentioned activity is October 15, 1984 and completion of the proposed activity is approximately April 15, 1986.

Schedule

Well	Duration
A	90 days
B	90 days
C	90 days
D	90 days
E	90 days
F	90 days

Drilling Rigs

A jack-up rig will be used. It will be equipped with drip pan, splash guards and drains which are piped to a sump where all collected oil will be disposed of by transporting to shore and burning. Attachment I is a typical rig diagram and inventory of the rig. Attachment II is a typical BOP system diagram. This equipment will be utilized in the safe operation and control of the drilling procedure and provide pollution prevention when needed.

Oil Spill Information

Texas Gas Exploration's "Oil Spill Contingency Plan" was approved by Minerals Management Services on October 3, 1983. Texas Gas Exploration is a member of Clean Gulf Associates. The equipment is located in Galveston, Texas (12-14 hours travel time to location).

Geophysical Equipment

Navigation and field mapping were accomplished with a Trisponder line-of-sight positioning system and NAVTRACE computer. The survey grid was 300 X 900 meters.

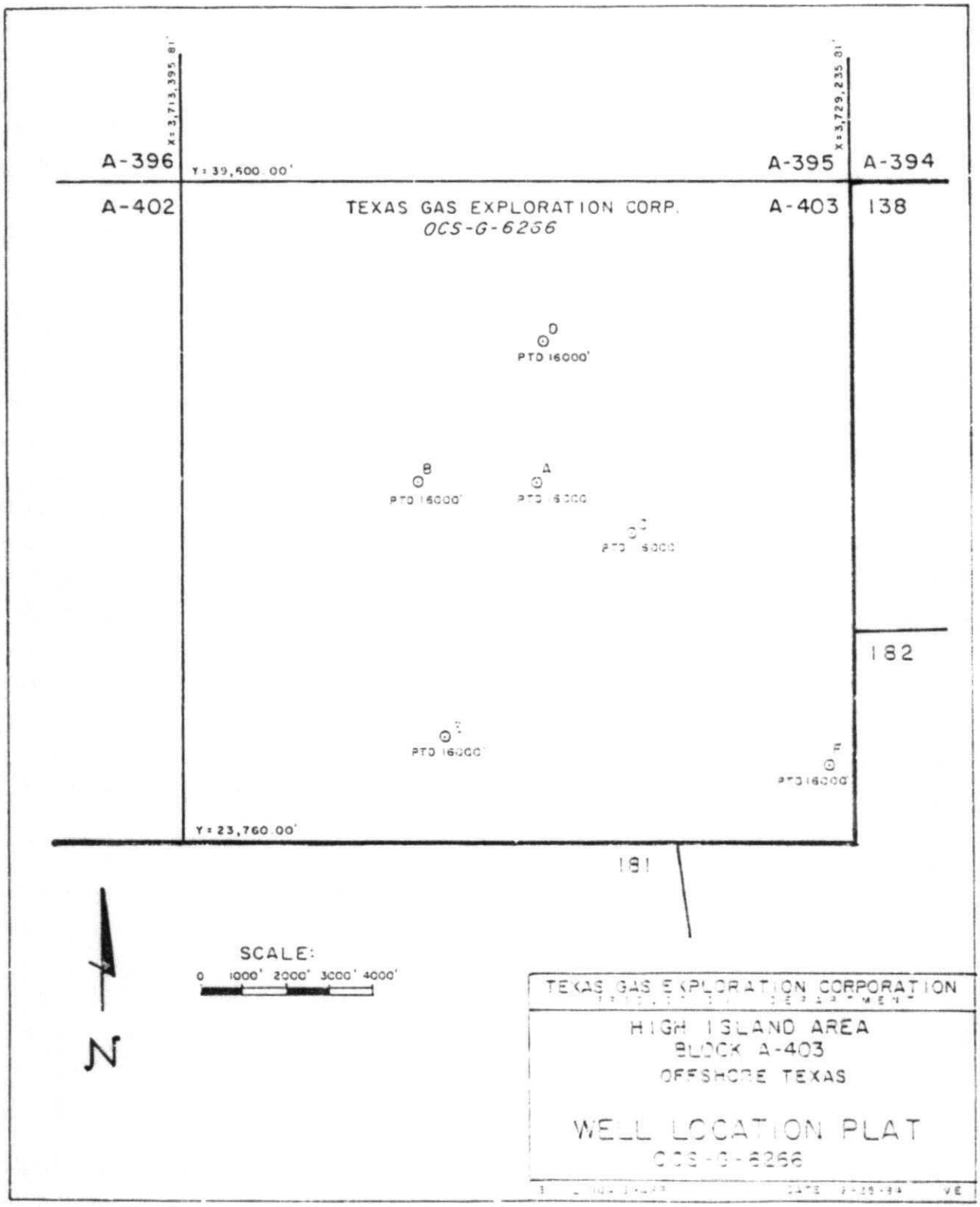
Remote sensing equipment included a proton precession total field magnetometer, dual side scan sonar, 24 kHz echo sounder, and 7.0 kHz profiler. Seismic data were obtained with a high resolution DFS V seismic system with a 160 cubic inch water gun energy source. (Included in Part II is a Hazard Interpretation for the surface locations listed below.)

Locations

The exploratory wells planned for High Island Block A-403 have surface and bottom hole locations. Listed below is the surface location for each well. A plat is attached (Attachment III) indicating surface location with reference to the lease lines.

Well No.	Surface Location
A	7200' FNL & 7425' FEL
B	7200' FNL & 5600' FWL
C	7300' FSL & 5300' FEL
D	3800' FNL & 7300' FEL
E	2500' FSL & 6250' FWL
F	1800' FSL & 550' FEL

Texas Gas Exploration Corporation respectfully requests that the bottom hole locations and total depths be held exempt from disclosure under the Freedom of Information Act (5 U.S.C. 552) and implementing regulations (43 CFR Part 2). The onshore support base facilities will be located in Galveston, Texas. Attachment IV is a location map of the lease block relative to the shore.



ATTACHMENT III

1. [illegible]: Blend of surfactants

2. CALCIUM: Calcium Chloride Dihydrate

3. CAUSTIC POTASH: Potassium hydroxide (KOH)

4. CAUSTIC SODA: Sodium hydroxide (NaOH), lye

5. CEASCAL: Calcium carbonate (limestone) and lignosulfonate

6. CEASTOP: Calcium carbonate (limestone) and lignosulfonate and synthetic polymer

7. CELLOSEAL: Cellophane (franchephane)

8. CHIP SEAL: Shredded cedar and cellulose

9. COTTON SEED HULLS: Cotton seed hulls

10. D.D.: Aqueous blend of surfactants

11. DICKS MUD SEAL: Ground vegetable fibers; paper

12. FLOSAL: Chrysotile (asbestos)

13. KWIK SEAL: Miscellaneous vegetable and polymer fibers

14. LIME: Calcium hydroxide ($CaOH$)

15. MAGCO ALUMINUM STEARATE: Aluminum steerate ($Al(OH)(C_{18}H_{35}O_2)_2$)

16. MAGCOBAR: Barium sulfate ($BaSO_4$) or barite (heavy spar)

17. MAGCOGEL: Sodium montmorillonite (bentonite)

18. MAGCOLUBE: Blend of sulfurized triglyceride and an alkanolamide in a paraffinic hydrocarbon carrier

19. MAGCONICA: Mica (complex silicate), (naturally occurring)

20. MAGCO-POLY-DEFOAMER: A blend of polyalkylene glycols

21. MUD FIBER: Cane fiber, bagasse

22. NUT PLUG: ALL GRADES: Ground nut shell, pulverized cellulose-lignin

23. PIPE LAX: Blend of surfactants dispersed in an oleaginous organic oil

ATTACHMENT 7

Page 2.

24. RAPID FOAM: An anionic, amphoteric surfactant and ethanol

25. RESINEX: Copolymer of a lignite resin

26. RUF PROC: Coarse, woody cob rings

27. SALINEX: A defoaming agent with alcohol ether sulfate

28. SHF-300: Surface modified asbestos fibers

29. SODA ASH: Sodium carbonate (soda ash), (naturally occurring) (Na_2CO_3)

30. SODA PHOS: Sodium phosphate

31. SODIUM BICARBONATE: Sodium bicarbonate (baking soda) ($NaHCO_3$)

32. SODIUM CHROMATE: Sodium chromate ($Na_2CrO_4 + 4H_2O$)

33. SODIUM DICHROMATE: Sodium dichromate (sodium bichromate) ($Na_2Cr_2O_7 + 2H_2O$)

34. SODIUM SULFATE: Sodium sulfate

35. SPIRSENE: Crude lignosulfonate

36. ~~VISBESTOS~~: Magnesium (calcium silicate ($Ca, Mg)_2SiO_4$) (asbestos)

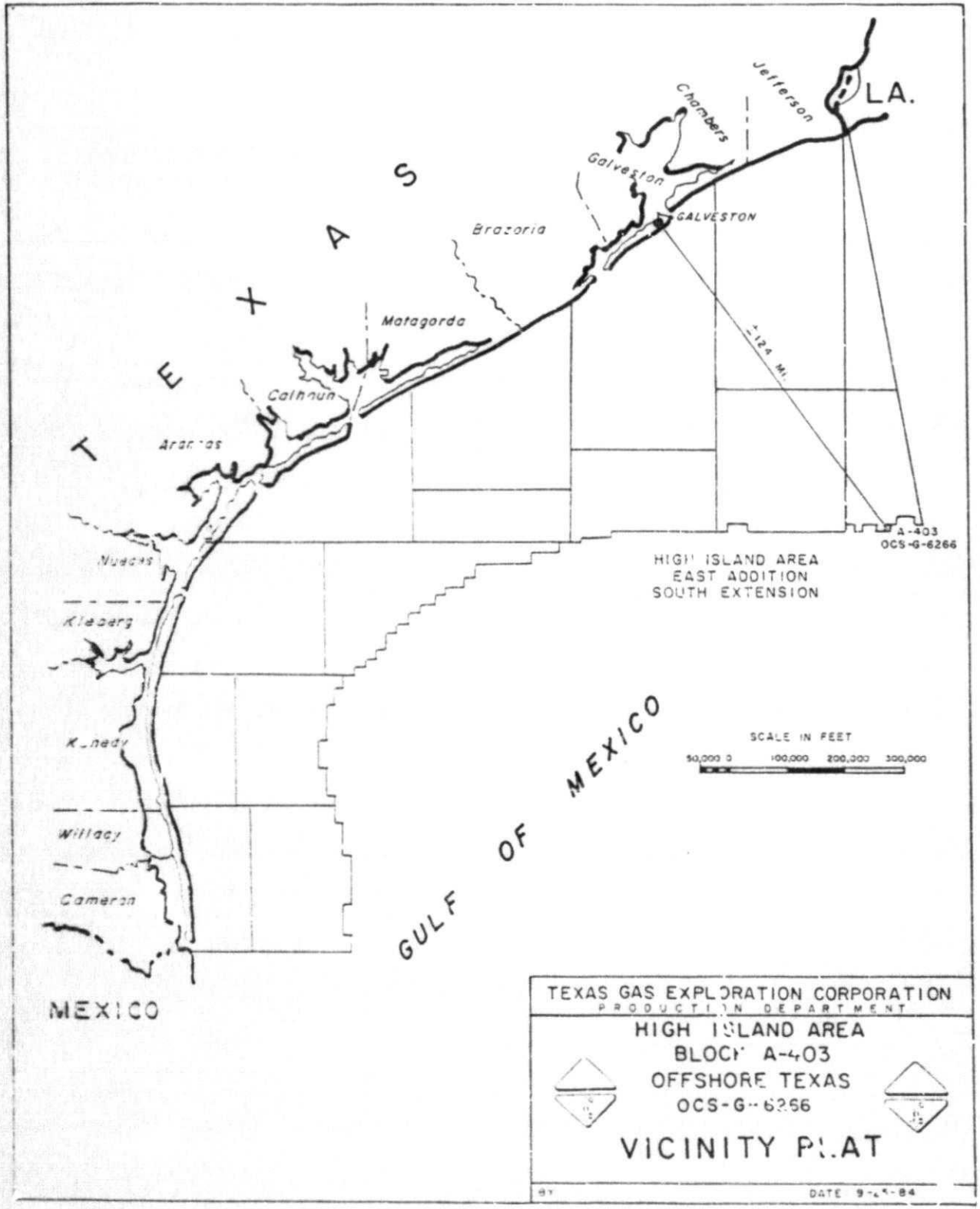
37. XP-30: A mixture including causticized lignite and sodium dichromate

38. SAPP: Sodium acid phosphate $Na_2H_2P_2O_7$

39. TANNATHIN: Oxidized lignite (leonardite brown coal) natural

40. HAC-POLY-PAC: A high grade carboxy methyl cellulose

41. DILFAZE: Blend of fatty acids, resins, emulsifiers and a clay



ATTACHMENT IV

Geological

Texas Gas Exploration Corporation respectfully requests the geological data including the structure map be exempt from disclosure under the Freedom of Information Act (5 U.S.C. 552) and implementing regulations (43 CFR Part 2).

General

The drilling activity of this Exploration Plan will be conducted in accordance with OCS Orders and Notices to Lessees. A permit to drill will be filed for each location and will contain specific data and design criteria as to drilling procedure, mud program, casing program, cementing program and BOP program as per OCS Order 2. The plugging and abandonment will be in accordance with OCS Order 3 (1); however, in the event hydrocarbons are found and the location is an optimum for development, the wellbore will be temporarily abandoned in accordance with OCS Order 3.

Air Quality

In compliance with 30 CFR 250.34-3 and 30 CFR 250.57, Texas Gas Exploration Corporation submits projections on certain gaseous emissions, i.e. SO_2, TSP, NO_x, CO and VOC. Projected emissions are expressed in pounds per day and tons per year from each of three sources in the following tables. In calculating, Texas Gas Exploration Corporation has anticipated the highest annual total emissions for each pollutant from High Island Block A-403. In comparing projected emission levels with calculated emission exemption amounts, Texas Gas Exploration's projected emissions are not of significant amounts to warrant further air quality review.

AIR EMISSION REPORT

GENERAL INFORMATION:

Location of Facility:	High Island Block A-403/OCS-G-6266
Distance Offshore:	124 miles
Operator:	Texas Gas Exploration Corporation P. O. Box 4326 Houston, Texas 77210-4326
Contact Person:	John Feaster-Drilling Engineer
Total Well Footage to be Drilled:	96,000'
Date Drilling will Begin:	October 15, 1984
Date Drilling will End:	April 15, 1986

MAJOR SOURCE (OFFSHORE):

Power used aboard drilling vessel, approximate footage drilled 96,000': 5,760,000*.

Projected Emissions (lbs/day) **Tons/Yr:

CO	VOC	TSP	SO	NOX
(71.3) 13.00	(26.35) 4.81	(23.52) 4.29	(21.89) 4.00	(329.24) 60.08

MINOR SOURCES (OFFSHORE):***

Including helicopter landing and take-off (10.5 trips/WK), supply and crew boats (1 trip per day); loading and unloading operations; and incineration of waste paper (average 750 pounds of waste per month).

Projected Emissions
Tons/Year

CO	VOC	TSP	SO	NOX
2.2	.38	.07	.04	.45

TOTAL ALL SOURCES (OFFSHORE) (T/YR.):

	CO	VOC	TSP	SO	NOX
Major	13.00	4.81	4.29	4.00	60.08
Minor	2.20	.38	.07	.04	.45
TOTAL	15.20	5.19	4.36	4.04	60.53

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.

* Based on 60 hp hr/ft from Table 4-3 "Atmospheric Emissions from Offshore Oil and Gas Development and Production.

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

*** 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.

EMISSION EXEMPTION DETERMINATION:

For CO: E = 3400D 2/3 = 34,682 tons/year

For NOX, VOC, TSP and SO: E= 33.3D = 4129 tons/year

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 environmental impact on air quality.

DRAWWORKS:

Continental-Emsco model C-3 type 2 drawworks, with sandreel and a Parmac V-295 hydromatic brake. Drawworks driven by 2 EMD D-79 electric motors rated at 2000 hoisting HP.

POWER:

Three EMD 16-645E1 diesel engines. Each engine is rated at 1950 continuous HP or 2200 intermittent HP and drives one 1500 KW, 600 volt AC generator. A solid state rectifying system is used to convert AC power to DC power for drilling functions.

MUD PUMPS:

Two Continental-Emsco model F-1600 super charged triplex mud pumps. Each pump independently driven by two EMD D-79 electric motors rated at 1600 HP.

DERRICK AND SUBSTRUCTURE:

Lee C. Moore 147' high by 30' base, beam leg derrick with a gross capacity of 1,320,000 lbs. Continental-Emsco type MA-60-7 650 ton crown block and an adjustable casing stabbing platform. 20' high substructure designed for 6 wells on 7-1/2' centers with a 700,000 lb. setback capacity.

TRAVELING EQUIPMENT:

Continental-Emsco type MA-60-6 650 ton traveling block, Byron-Jackson 5500 500 ton hook; Continental-Emsco type L650 560 ton swivel and 1-3/8" drill line.

ROTARY:

Continental-Emsco T3750 rotary, with 37-1/2" table opening independently driven by an EMD D-70 electric motor with a Continental-Emsco 2 speed transmission.

MUD MIXING:

Two 6 x 8 centrifugal pumps. Each pump powered by a 100 HP AC electric motor.

ATTACHMENT I

Attachments

I. Typical Rig Diagram and Inventory

II. Typical BOP System

III. Well Location Plat

IV. Vicinity Plat of the Lease

V. List of Mud Additives

[illegible] active mud system and [illegible] reserve mud storage system with three 20 HP agitator units. 50 barrel capacity slug tank. 6500 cu. ft. bulk storage and 3000 sack storage. Desander unit with three 21" cones and a 6" x 8" centrifugal pump. Desilter unit with sixteen 4" cones and a 6" x 8" centrifugal pump. Dual high speed shale shaker.

LIQUID STORAGE:

1948 barrels drill water; 888 barrels fresh water; 5886 barrels fuel; 2853 barrels of combination diesel fuel or drill water.

DRILL PIPE, DRILL COLLARS & STABILIZERS:

4 1/2" O.D. grades "E" and "G" range 2 internally plastic coated drill pipe. 30 jts. 5" hevi-wate drill pipe. 6-9 1/2" O.D., 18-8" O.D., 18-7" O.D. drill collars.

BLOWOUT PREVENTERS AND CONTROLS:

One Hydril 20" 2000# type MSP-20 2000; one Hydril 13 5/8" 5000# type GK 5000; one Cameron 13 5/8" 10,000# type "U" single; one Cameron 13 5/8" 10,000# type "U" double; one 5000# W.P. choke manifold. 160 gal. accumulator with one remote control station. 2-10 ton electric hoists for handling BOP's.

AUXILIARY EQUIPMENT:

Three 45 ton electric cranes; explosion proof electrical system.

SPECIAL EQUIPMENT:

1. Power Slip - Varco.
2. Automatic Driller.
3. Mud Gas Separator.
4. Drilling Recorder.
5. Dual mud lines complete with dual standpipes and rotary hoses.
6. F.M. Radio.
7. Halliburton HT-400 cement unit powered by two D-79 DC electric motors.
8. Heliport to accommodate Sikorsky S-61 helicopter.

8" Ø PIPE
8" BUTTERFLY VALVES
6" Ø HOSE
150 PSI

ATTACHMENT II