

UNITED STATES GOVERNMENT
MEMORANDUM

November 4, 2003


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

Subject: Public Information copy of plan

Control #	-	N-07918
Type	-	Initial Development Operations Coordinations Document
Lease(s)	-	OCS-G21645 Block - 343 Eugene Island Area OCS-G21646 Block - 344 Eugene Island Area
Operator	-	Spinnaker Exploration Company, L.L.C.
Description	-	Platform EI343-D
Rig Type	-	BARGE

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
FIXED/D		4552 FNL, 1600 FEL	G21645/EI/343
WELL/D001	G21646/EI/344	4552 FNL, 1600 FEL	G21645/EI/343
WELL/D001D	G21645/EI/343	4552 FNL, 1600 FEL	G21645/EI/343
WELL/D002	G21646/EI/344	4552 FNL, 1600 FEL	G21645/EI/343

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NOTED - SCHEXNAILDRE



October 29, 2003

FEDERAL EXPRESS

Minerals Management Service
Gulf of Mexico - OCS Region
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

Attention: Mr. Don Howard, MS 5200

Re: **EUGENE ISLAND AREA
BLOCK 344, OCS-G 21646
(SL - E1343, G 21645)
AMENDED DOCD**

CONTROL No. N-7918
REVIEWER: Robert Stringfellow
PHONE: (504) 736-2437

Gentlemen:

In accordance with the guidelines set forth in 30-CFR 250.203, Spinnaker Exploration Company, L.L.C. submitted an Initial DOCD for Eugene Island Block 344 September 25, 2003. Spinnaker plans to complete the G 21646 No.1 ST00BP01 well as a dual. The short string producing-interval underlies Block 343 G 21645. The long string producing-interval underlies Block 344 G 21646.

Enclosed you will find seven (7) copies of the subject amendments; five (5) of which contain "Proprietary Data" that are exempt from disclosure under the privacy Act (5 U.S.C. 552a) and the implementing regulations (43 CFR Part 2 Subpart D). Two (2) copies are considered "Public Information."

Production is expected to commence on or before **January 1, 2004**.

Our \$3,000,000 Area wide Development Bond number is RLB-0001151 and our \$300,000 OCS Right-Of-Way Grant Bond number is B-7748. Spinnaker Exploration Company, L.L.C. acquired these bonds June 25, 1999 and September 25, 1998, respectively.

Review and approval of our DOCD at your earliest convenience is greatly appreciated.

Should you require any additional information, please feel free to contact Tom Becnel at 713/356-7534.

Sincerely,

Spinnaker Exploration Company, L.L.C.

Scott Broussard
Vice President Drilling & Production

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enclosures

PUBLIC INFORMATION

**AMENDED
DEVELOPMENT OPERATIONS COORDINATION
DOCUMENT**

EUGENE ISLAND AREA

**BLOCK 344
OCS-G 21646
(SL – EI343, G 21645)**

OFFSHORE, LOUISIANA

OCTOBER 2003

**AMENDED
DEVELOPMENT OPERATIONS COORDINATION DOCUMENT**

**EUGENE ISLAND AREA
BLOCK 343/344
OCS-G 21645/21646**

SECTION A	Contents of Plan
SECTION B	General Information
SECTION C	Geological, Geophysical & H2S Information (NO CHANGE)
SECTION D	Biological & Physical Information (NO CHANGE)
SECTION E	Wastes and Discharge Information (NO CHANGE)
SECTION F	Oil Spill Response and Chemical Information (NO CHANGE)
SECTION G	Air Emissions Information (NO CHANGE)
SECTION H	Environmental impact Analysis (NO CHANGE)
SECTION I	CZM Consistency
SECTION J	OCS Plan Information Form

SECTION A

CONTENTS OF PLAN

LEASE DESCRIPTION/ACTIVITY

Spinnaker Exploration Company, L.L.C. (Spinnaker) acquired Lease OCS-G 21645 at the Central Gulf of Mexico Lease Sale No. 175 held on March 15, 2000. The subject lease was issued with an effective date of June 1, 2000, and primary term ending date of May 31, 2005.

Anadarko acquired Lease OCS-G 21646 at the Central Gulf of Mexico Lease Sale No. 175 held on March 15, 2000. The subject lease was issued with an effective date of June 1, 2000, and primary term ending date of May 31, 2005.

Spinnaker has a farm-in agreement with Anadarko. Spinnaker is the designated operator of the subject oil and gas leases.

OBJECTIVE

Spinnaker Exploration Company, L.L.C. (Spinnaker) hereby submits an Amended DOCD for the installation of a 3-pile two (2) deck well-protector platform 'D' with a derrick barge at our existing G 21646 No.1 location on Eugene Island Block 343 OCS-G 21645 and to produce well 1 ST00BP01 (drilled under Plan **N-7727**) as a **dual** completion. The surface location was approved under Plans **N-07362** and **N-7727**.

Spinnaker drilled and temporarily abandoned well G 21646 No.1 and installed a net guard over the well. A smart buoy was installed in accordance with MMS requirements for submerged structures. We plan to tie back and complete the No.1 well as a **dual** completion with a typical jack-up rig following the structure installation. The **short string** producing-interval underlies **block 343 G 21645**. The **long string** producing-interval underlies **block 344 G 21646**. The 'B' (no.2) well was previously approved under Plan N-7727. Spinnaker will drill and complete this well following the tie-back and completion of well No.1. Production will flow through a 4" R-O-W pipeline to Forest Oil's EI342 'C' production platform in Eugene Island Block 342. Spinnaker will lay a 6" bulk gas R-O-W pipeline from Spinnaker's EI343 'D' production platform to Forest Oil's EI342 'C' platform for future use.

Spinnaker will lay a 2" gas-lift R-O-W pipelines from Forest Oil's EI342 'C' production platform to Spinnaker's EI343 'D' platform for future use.

SCHEDULE

Install EI343-D Platform.....	November 15, 2003
Install new 2", 4" and 6" R-O-W Pipelines	December 1, 2003
Tie-back and Complete Well No.1	December 1, 2003
Hook-up Facilities at EI343-D	December 15, 2003
Commence Production Well No.1	January 1, 2004

WELL/STRUCTURE LOCATION(S)

A table depicting the surface location(s) of the proposed activity and corresponding depths is included in Section J of this plan.

DESCRIPTION OF HYDROCARBON TRAPPING ELEMENTS (Proprietary Data)

PRODUCTION FACILITIES

The proposed structure EI343-D will be of minimal design and unmanned. The production facilities at the EI343-D structure will consist of a well manifold, utility gas and vent scrubbers and two (2) departing and one incoming pipeline. Six (6) inch bulk gas and four (4) inch bulk oil pipelines will flow full well stream to Forest Oil's EI342-C platform. We will also install a two (2) gas-lift pipeline from Forest Oil's EC342-C platform to Spinnaker's EI343-D platform. These are all right-of-way pipelines.

Maintenance or repairs that will be necessary to prevent pollution of offshore waters shall be undertaken immediately as needed. The proposed facilities will be designed, installed, and operated in accordance with current regulations, engineering documents incorporated by reference and industry practices in order to ensure protection of personnel, environment and the facilities.

DRILLING UNIT

Well No.1 (G21646) was drilled and temporarily abandoned under plan **N-7727**. The specifications for the actual drilling vessel and safety equipment were submitted with the application for Permit to Drill for the G21646 well No.1. A typical jack-up rig will be utilized to tie-back and complete the G21646 No.1 well and drill and complete well No.2 (**Plan N-7727**). The specifications for this rig will be submitted with the Application to Modify the Permit (APM) to tie-back and complete well No.1 as a dual.

DESCRIPTION OF STRUCTURES

Spinnaker will install a 3-pile two (2) deck well-protector platform 'D' with a derrick barge at the No. 1 surface location on Eugene Island Block 343. A drawing of the well-protector platform is given as **Attachment A-1**. The maximum barge anchor radius will be 4200'.

PUBLIC INFORMATION

DESCRIPTION OF PIPELINES

Spinnaker will install 3 right-of-way pipelines. A 6" bulk oil and 4" bulk gas pipelines will be installed from Spinnaker's EI343-D platform and Forest Oil's EI342-C platform. A 2" gas-lift pipeline will be installed from Forest Oil's EI342-C platform to Spinnaker's EI343-D platform.

DESCRIPTION OF VESSELS

Work Boat Length – 180'; 3500 HP; Fuel Capacity – 80,000 gallons

Crew Boat Length – 120'; 2000 HP; Fuel Capacity – 45,000 gallons

Jack-up Rig Rating – 250'; Fuel – 21,000-25,000 gallons

Engine Oil – 550-750 Gallons

Hydraulic Oil – 400-500 Gallons

Gear Oil – 200-300 Gallons

BOP Fluid – 200-300 gallons

1 ea. 500 Gallon used oil tank

Derrick Barge Length – 350'; 6000 HP; Fuel Capacity – 350,000 gallons
The maximum anchor spread is 4200 feet.

Material Tug Length – 105'; 3600 HP; Fuel Capacity – 60,000 gallons

SECTION B

GENERAL INFORMATION

CONTACT

Thomas G. Becnel
Spinnaker Exploration Co., L.L.C.
1200 Smith Street, Suite 1200
Houston, Texas 77002
713/356-7534
E-mail address: tbecnel@spinexp.com

PROJECT NAME

None.

NEW OR UNUSUAL TECHNOLOGY

Spinnaker does not propose the use of any new or unusual technology in the activities provided for in this plan.

PRODUCTION RATES AND LIFE OF RESERVES

The Initial Production Rates from Spinnaker's Eugene Island Block 343 'D' platform are expected to be 5 MMCFPD and 1500 BOPD. The expected peak production rates are 25 MMCFPD (EI343 G21645) and 1500 BOPD (EI344 G21646). The projected Reserve Life is five (5) years.

BONDING INFORMATION

In accordance with regulations contained in Title 30 CFR Part 256 and further clarified by Notice to Lessees (NTL 99-G04) pertaining to general lease surety bonds, Spinnaker has on file with the Minerals Management Service a \$3,000,000 Area wide Development Bond.

Additionally, Notice to Lessees (NTL 98-18N) provides clarification on the method MMS utilizes to require additional security to cover full plugging, site clearance and other associated lease liabilities that may be in excess of the federal 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 Spinnaker.

ONSHORE BASE AND SUPPORT VESSELS

Spinnaker's shore base at Fourchon, Louisiana will serve as the onshore support base during the activities planned for Eugene Island Block 343. This will serve as port of debarkation for supplies and crews. Typical supply and crew boats will be utilized throughout the completion, construction and hook-up operations. Boat and helicopter travel to and from the base will be over the most direct routes. No additional personnel will be required to conduct the proposed completion, construction and hook-up operations.

Eugene Island Block 343 is located approximately **73** miles from the nearest Louisiana shoreline and approximately **99** miles from the onshore support base located in **Fourchon, Louisiana**. A Vicinity Plat showing the location of **Eugene Island Block 343** relative to the shoreline and onshore base is included as **Attachment B-1**.

No onshore expansion or construction of our support base 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 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.

FREQUENCY OF TRAVEL

Support Vessel & Aircraft	Construction Operations Trips Per Week	Drilling Operations Trips Per Week	Production Operations Trips Per Week
Crew Boat	5	5	0
Work Boat	3	3	3
Helicopter	1	1	1

Personal vehicles will be the main means of transportation to carry rig personnel from various locations to the Cameron, Louisiana area. They will then be transported to the MOD U by the crew boat. A helicopter will be issued to transport small supplies, and occasionally, personnel. The most practical, direct route permitted by the weather and traffic conditions will be utilized.

During the proposed operations, Spinnaker and contractor personnel will be employed on the lift boat conducting the construction operations. During these periods of time, approximately 50 – 75 personnel may be engaged in designated activities. Personnel engaged in onshore operations will be the dispatchers as the per-determined support base, contract personnel for off loading equipment and materials required to support the activities, as well as the personnel needed to transport same to the offshore facility.

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

Dredging and filing 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 Plan.

LEASE STIPULATIONS

Oil and gas explorations activities in 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.

Stipulation No.3 - Spinnaker will file a notification with the Naval Air Station in New Orleans, Louisiana with regard to vessel and aircraft traffic in MWA **W-59** prior to conducting operations on Eugene Island Block 343. No surface activity is planned for Eugene Island Block 344 OCS-G 21646.

SECTION C

G & G INFORMATION

STRUCTURE CONTOUR MAPS

A current structure maps drawn to the top of the prospective hydrocarbon accumulations showing the surface and bottom hole location of well 1 was submitted and approved under **Plans N-07362 and N-07727**.

INTERPRETED SEISMIC LINES

Included as **Attachment C-1** is a copy of the letter being submitted under separate cover this date referencing approval of the No.1 location under **Plans N-07362 and N-07727**.

* GEOLOGICAL STRUCTURE CROSS SECTIONS

The interpreted geological cross sections depicting the proposed well location and the geologic name and age of the anticipated structures were submitted and approved under **Plans N-07362 and N-07727**.

SHALLOW HAZARDS REPORT

Cochrane Technologies, Inc. conducted a geophysical survey across Eugene Island Block 343 (Lease OCS-G 21645) during July 2001. Specifications published by the MMS for hazard surveys on the OCS were met. No archaeological assessment was required.

Three (3) copies of the shallow hazards report were previously submitted under separate cover to the Minerals Management Service. Well No.1 was drilled from Location 'C' on Eugene Island block 343, which was previously approved under **Plan N-07362**.

SHALLOW HAZARDS ANALYSIS

A shallow hazards analysis has been prepared for the proposed surface location(s), evaluating seafloor and subsurface geologic and manmade features and conditions, and is included as **Attachment C-2. (Plans N-07362 and N-07727)**

HIGH RESOLUTION SEISMIC LINES

The annotated shallow hazards lines within 500 feet for the existing surface location(s) were previously reviewed and approved under **Plan N-07362**.

TIME VERSUS DEPTH TABLES

The migrated and annotated deep seismic section in depth were previously reviewed and approved under **Plan N-07727**.

STRATIGRAPHIC COLUMN

A generalized biostratigraphic/lithostratigraphic column from the seafloor to the total depth of the existing wells was previously reviewed and approved under **Plan N-07727**.

DESCRIPTION OF HYDROCARBON TRAPPING ELEMENTS (Proprietary Data)

ESTIMATED DEPTH OF GEOPRESSURE

The estimated top of **12.5** ppg geopressure is expected to occur at approximately – 5600' SS, as observed in the Norcen Eugene Island Block 344 OCS G 11966 No.1 well (12000' MD=TVD). (**Approved under Plan N-07727.**)

HYDROGEN SULFIDE

In accordance with Title 30 CFR 250.417, Spinnaker requests that Eugene Island Block 344 be classified by the Minerals Management Service as an area where the absence of hydrogen sulfide has been confirmed. (**Approved under Plan N-07727.**)

The basis for this determination is through the evaluation of Norcen's Eugene Island Block 344 OCS G 11966 No.1 (12000' TVD), which was drilled to the stratigraphic equivalents of the Target Sand(s) proposed in this Plan.

PUBLIC INFORMATION

SECTION I

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 modification, 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.

The Certificate of Coastal Zone Management Consistency for the State of Louisiana is enclosed as **Attachment I-1**.

CORRECTED ATTACHMENT I-1

COASTAL ZONE MANAGEMENT

CONSISTENCY CERTIFICATION

AMENDED DOCD

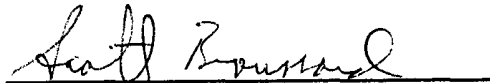
EUGENE ISLAND BLOCK 343/344

LEASE OCS-G 21646

(SL – EI343 G 21645)

The proposed activities described in this Plan comply with Louisiana's approved Coastal Zone Management Program and will be conducted in a manner consistent with such Program.

Spinnaker Exploration Company, L.L.C.
Lessee or Operator



Scott Broussard
Certifying Official

October 28, 2003
Date

SECTION J

PLAN INFORMATION FORM

Included in this section is the Plan Information Form prepared in accordance with Appendix J of Notice to Lessees NTL 2000-G10. (**Attachment J-1**)
The bathymetry map with surface location(s) is included as **Attachment J-2**.

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

EXPLORATION PLAN	DEVELOPMENT OPERATIONS COORDINATION DOCUMENT	X	DEVELOPMENT & PRODUCTION PLAN
OPERATOR: SPINNAKER EXPLORATION COMPANY, L.L.C.		ADDRESS: 1200 SMITH STREET, SUITE 800	
MMS OPERATOR NO.: 02169		HOUSTON, TEXAS 77002	
CONTACT PERSON: TOM BECNEL		PHONE NO. (713) 356-7534	
PROPOSED START DATE: 12-1-03	RIG TYPE: <u>JU</u> SS PF DS OTHER	DISTANCE TO CLOSEST LAND (IN MILES): 73	
NEW OR UNUSUAL TECHNOLOGY	YES	NO <u>X</u>	ONSHORE SUPPORT BASE (S): FOURCHON, LOUISIANA
NARRATIVE DESCRIPTION OF PROPOSED ACTIVITIES: INSTALL A 3-PILE PRODUCTION PLATFORM IN EUGENE ISLAND BLOCK 343 AND LAY 3 RIGHT- OF-WAY PIPELINES FROM EI343-D TO FOREST OIL'S EI342-C PLATFORM AND PRODUCE WELL NOS. D001, D001D & D002.			
PROJECT NAME, IF APPLICABLE:			

PROPOSED WELL/STRUCTURE LOCATIONS

WELL/ STRUCTURE NAME	SURFACE LOCATION	BOTTOM-HOLE LOCATION (FOR WELLS)
Platform <u>X</u> or Well <u>X</u> Name: <u>D001</u> G21646 WELL NAME D001 (NO.1ST00BP01)	CALLS: 4552' F N L & 1600' F E L OF LEASE: OCS-G 21645, EUGENE ISLAND AREA, BLOCK: 343	CALLS: LEASE: BLOCK:
	X: 1,968,355.75' Y: -169,616.50'	X: Y:
	LAT: 28° 12' 00.946" LONG: 91° 25' 53.512"	LAT: LONG:
	TVD (IN FEET):	MD (IN FEET): 12865'
Platform <u>X</u> or Well <u>X</u> Name: <u>D001D</u> G21645 WELL NAME D001D (N-7727 WELL B)	CALLS: 4552' F N L & 1600' F E L OF LEASE: OCS-G 21645, EUGENE ISLAND AREA, BLOCK: 343	CALLS: LEASE: BLOCK:
	X: 1,968,355.75' Y: -169,616.50'	X: Y:
	LAT: 28° 12' 00.946" LONG: 91° 25' 53.512"	LAT: LONG:
	TVD (IN FEET):	MD (IN FEET): 12865'
Platform <u>X</u> or Well <u>X</u> Name: <u>D002</u> WELL NAME D002 (N-7727 WELL B)	CALLS: 4552' F N L & 1600' F E L OF LEASE: OCS-G 21645, EUGENE ISLAND AREA, BLOCK: 343	CALLS: LEASE: BLOCK:
	X: 1,968,355.75' Y: -169,616.50'	X: Y:
	LAT: 28° 12' 00.946" LONG: 91° 25' 53.512"	LAT: LONG:
	TVD (IN FEET):	MD (IN FEET): 11778'
Platform <u> </u> or Well <u> </u> Name: <u> </u>	CALLS: LEASE: BLOCK:	CALLS: LEASE: BLOCK:
	X: Y:	X: Y:
	LAT: LONG:	LAT: LONG:
	TVD (IN FEET):	MD (IN FEET):

PUBLIC INFORMATION