

AMENDMENT

UNITED STATES GOVERNMENT
MEMORANDUM

October 10, 2003

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

Subject: Public Information copy of plan

Control # - N-07823
Type - Initial Development Operations Coordinations Document
Lease(s) - OCS-G14391 Block - 373 East Cameron Area
Operator - Kerr-McGee Oil & Gas Corporation
Description - Subsea Well No. 004
Rig Type - Not Found

Attached is a copy of the subject plan.

It has been deemed submitted as of this date and is under review for approval.



Michelle Griffitt
Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
WELL/004	G14209/GB/22	5150 FSL, 3950 FEL	G14391/EC/373
WELL/004	G14391/EC/373	5150 FSL, 3950 FEL	G14391/EC/373

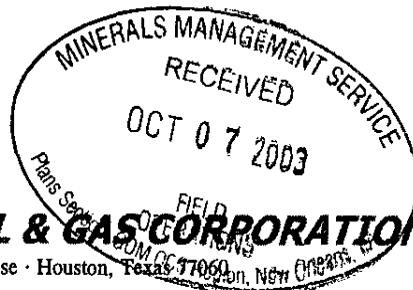
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KERR-McGEE OIL & GAS CORPORATION

16666 Northchase · Houston, Texas 77060



AMENDMENT

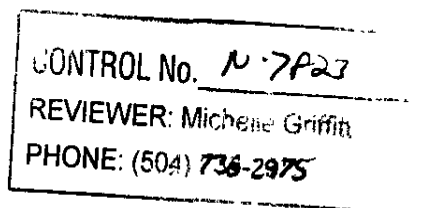
Cary V. Bradford
Manager of Regulatory Affairs
GOM and North America Region

Phone: 281/618-6338
Fax: 281/618-6046

September 26, 2003

U.S. Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

Attention: Ms. Mimi Griffitt
Plans Unit



RE: Amended Initial Unit Development Operations Coordination Document (Control No. N-7823) for Lease OCS-G 14209, Garden Banks Block 22, OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

By letter dated July 1, 2003, Kerr-McGee Oil & Gas Corporation (Kerr-McGee) submitted an Initial Unit Development Operations Coordination Document (Control No. N-7823) for Lease OCS-G 14209, Garden Banks Block 22, Offshore, Louisiana.

The proposed activity provided for installation of a lease pipeline and commencement of production from Lease OCS-G 14209, Subsea Well No. 004, Garden Banks Block 22; all having surface locations in East Cameron Block 373.

Kerr McGee has elected to drill and complete the subject well within the boundary of Lease OCS-G 14391, East Cameron Block 373; and therefore requests the Initial Development Operations Coordination Document be amended to reflect this change in activity.

In support of this request, the following information is provided:

- Section A – Plan Contents
- Section B – General Information
- Section C – Geological, Geophysical & H2S Information

The remainder of the plan remains the same as originally submitted.

Contingent upon receiving regulatory approvals and based on equipment and personnel availability, Kerr McGee anticipates operations under this Plan commencing as early as November 1, 2003.

Should additional information be required, please contact the undersigned, or our regulatory consultant, Connie Goers, R.E.M. Solutions, Inc., at 281.492.8562.

**Public
Information**

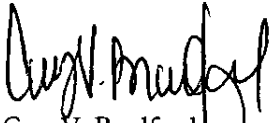
Kerr-McGee Oil & Gas Corporation

Amended Initial Development Operations Coordination Document (Control No. N-7823)

September 26, 2003

Page Two

Sincerely,

A handwritten signature in black ink, appearing to read "Cary V. Bradford". The signature is fluid and cursive, with the first name "Cary" being more prominent.

Cary V. Bradford

Manager – Regulatory Affairs

CVB:CJG

Attachments

ut
or

KERR-McGEE OIL & GAS CORPORATION

16666 Northchase
Houston, Texas 77060

Cary Bradford
cbradford@kmg.com

AMENDED
INITIAL UNIT DEVELOPMENT OPERATIONS
COORDINATION DOCUMENT
(Federal Unit Agreement No. 754398017)
CONTROL No. N-7823

LEASE OCS-G 14391

EAST CAMERON BLOCK 373

PREPARED BY:

Connie Goers
R.E.M. Solutions, Inc.
17171 Park Row, Suite 390
Houston, Texas 77084
281.492.8562 (Phone)
281.492.6117 (Fax)
connie@remolutionsinc.com

DATED:

September 25, 2003

SECTION A PLAN CONTENTS

A. Description, Objectives and Schedule

Lease OCS-G 14391, East Cameron Block 373 was acquired by Kerr-McGee Oil & Gas Corporation the Central Gulf of Mexico Lease Sale No. 147 held on March 30, 1994. The lease was issued with an effective date of June 1, 1994 and a primary term ending date of May 30, 1999. The lease was subsequently approved for inclusion in the Federal Unit Agreement for East Cameron Block 373 (Unit Agreement No. 754398017). The lease is currently held by unit operations.

The current lease operatorship and ownership are as follows:

Area/Block Lease No.	Operator	Ownership
East Cameron Block 373 Lease OCS-G 14391	Kerr-McGee Oil & Gas Corporation	Kerr-McGee Oil & Gas Corporation

This Supplemental Development Operations Coordination Document provides for the installation of a subsea manifold and lease pipeline, and commencement of production from Lease OCS-G 14391, Subsea Well No. 004, East Cameron Block 373. The subject well is being drilled and completed under a previously approved Exploration Plan for Lease OCS-G 14391.

Kerr-McGee does not propose any additional drilling under this Plan; therefore a geological discussion on trapping features is not required.

Kerr-McGee proposes to conduct the proposed operations as outlined in the following activity schedule:

Proposed Activity	Start Up Date	Completion Date
Install Subsea Manifold and Lease Pipeline (surface location in East Cameron Block 373)	November 1, 2003	November 21, 2003
Hook-Up and Commence Production of Subsea Well No. 004	December 1, 2003	December 31, 2013

SECTION A Contents of Plan - Continued

B. Location

Included are the following attachments:

- Attachment A-1:** Bathymetry Map with well location surface disturbances
Attachment A-2: Form MMS-137 "OCS Plan Information Form"

A bathymetry map depicting the anchor pattern radius for the subsea manifold and lease pipeline installation will be submitted at a later date with the lease pipeline application

C. Drilling Unit

Kerr McGee is not proposing any drilling operations under this Plan.

D. Production Facility

The proposed subsea well will be equipped with a wellhead and manifold, connected via a proposed lease pipeline with associated umbilical to Kerr-McGee's existing East Cameron Block 373, Platform "A". This 4-slot manned structure was originally installed in 1988, and currently processes produced hydrocarbons from Lease OCS-G 14391, East Cameron Block 373.

Other than installing associated platform piping and a dedicated separator, there are no immediate plans to further modify the existing facility.

Produced hydrocarbons will be further transported via the existing Shell Gas Gathering's 16" gas/condensate pipeline (Segment No. 11633) from East Cameron Block 373, Platform "A" to a termination point at Platform A, East Cameron Block 338. No new nearshore or onshore pipelines or facilities will be constructed.

Safety of personnel and protection of the environment during the proposed operations is of primary concern with Kerr-McGee, and mandates regulatory compliance with the contractors and vendors associated with the proposed operations as follows:

Minerals Management Service regulations contained in Title 30 CFR Part 250, Subparts C, D, E, G and O mandate the operations comply with well control, pollution prevention, construction and welding procedures as described in Title 30 CFR Part 250, Subparts C, D, E, G and O; and as further clarified by MMS Notices to Lessees.

SECTION A

Contents of Plan - Continued

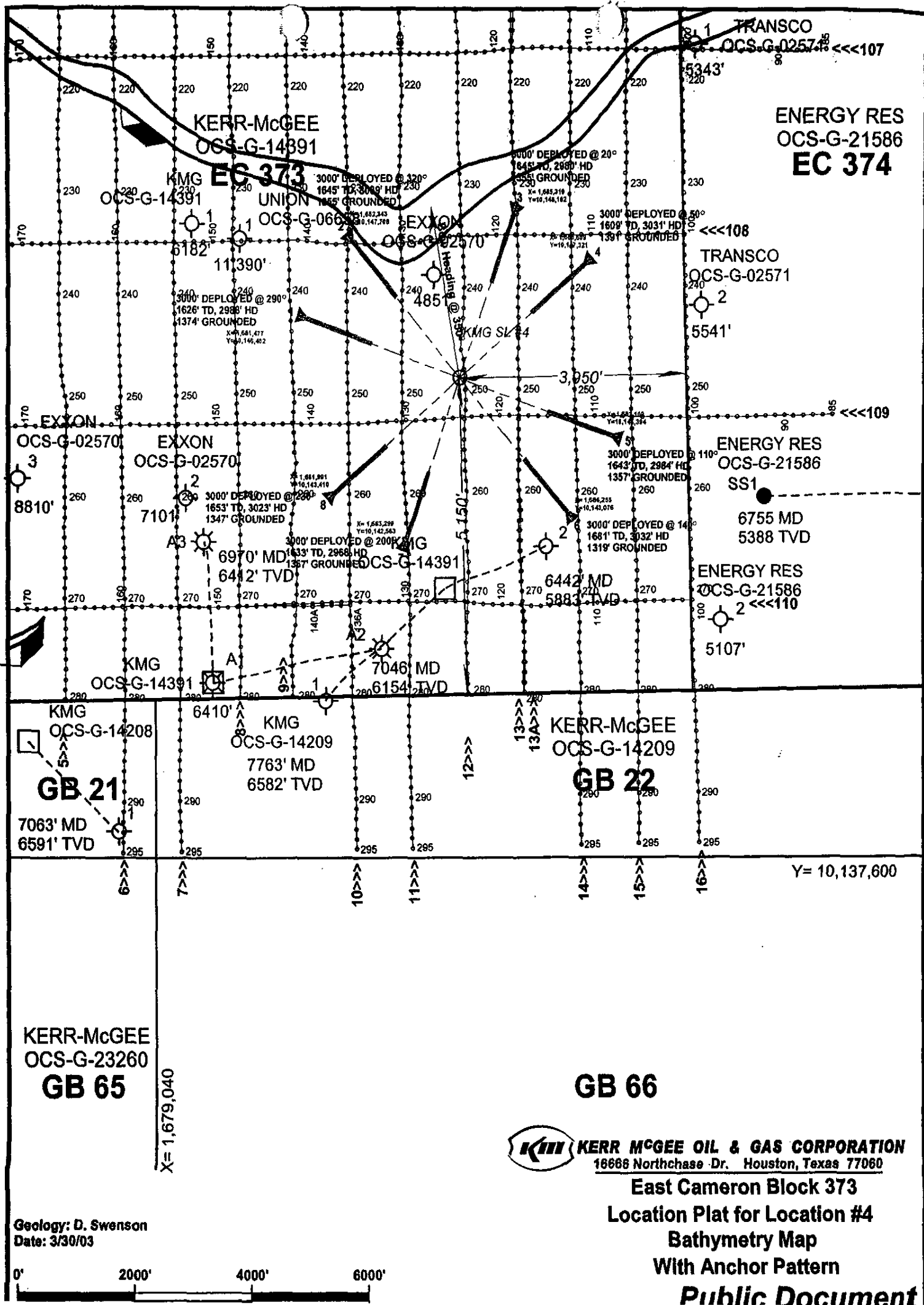
Minerals Management Service conducts periodic announced and unannounced onsite inspections of offshore facilities to confirm operators are complying with lease stipulations, operating regulations, approved plans, and other conditions; as well as to assure safety and pollution prevention requirements are being met. The National Potential Incident of Noncompliance (PINC) List serves as the baseline for these inspections.

U. S. Coast Guard regulations contained in Title 33 CFR mandate the appropriate life rafts, life jackets, ring buoys, etc., be maintained on the facility at all times.

U. S. Environmental Protection Agency regulations contained in the NPDES General Permit GMG290000 mandate that supervisory and certain designated personnel on-board the facility be familiar with the effluent limitations and guidelines for overboard discharges into the receiving waters.

Bathymetry Map

**Attachment A-1
(Public Information)**



OCS Plan Information Form

**Attachment A-2
(Public Information)**

OCS PLAN INFORMATION FORM

General Information

Type of OCS Plan	Exploration Plan (EP)	<input checked="" type="checkbox"/>	Development Operations Coordination Document (DOCD)
Company Name: Kerr-McGee Oil & Gas Corporation		MMS Operation Number: 02219	
Address: 16666 Northchase		Contact Person: Connie Goers/R.E.M. Solutions, Inc.	
Houston, Texas 77060		Phone Number: 281.492.8562	
		E-Mail Address: connie@remolutionsinc.com	
Lease(s): G14391	Area: EC	Block(s): 373	Project Name (If Applicable): None
Objective(s):	<input type="checkbox"/> Oil	<input type="checkbox"/> Gas	<input type="checkbox"/> Sulphur <input type="checkbox"/> Salt
Onshore Base: Fourchon, LA			Distance to Closes Land (Miles): 120

Description of Proposed Activities (Mark all that apply)

<input type="checkbox"/> Exploration drilling	<input type="checkbox"/> Development drilling
<input type="checkbox"/> Well completion	<input type="checkbox"/> Installation of production platform
<input type="checkbox"/> Well test flaring (for more than 48 hours)	<input type="checkbox"/> Installation of production facilities
<input type="checkbox"/> Installation of caisson or platform as well protection structure	<input type="checkbox"/> Installation of satellite structure
<input type="checkbox"/> Installation of subsea wellheads and/or manifolds	<input checked="" type="checkbox"/> Commence production
<input type="checkbox"/> Installation of lease term pipelines	<input checked="" type="checkbox"/> Other (Specify and describe) Amended BHL and schedule

Have you submitted or do you plan to submit a Conservation Information Document to accompany this plan?	<input checked="" type="checkbox"/>	Yes		No
Do you propose to use new or unusual technology to conduct your activities?		Yes	<input checked="" type="checkbox"/>	No
Do you propose any facility that will serve as a host facility for deepwater subsea development?		Yes	<input checked="" type="checkbox"/>	No
Do you propose any activities that may disturb an MMS-designated high-probability archaeological area?		Yes	<input checked="" type="checkbox"/>	No
Have all of the surface locations of your proposed activities been previously reviewed and approved by MMS?	<input checked="" type="checkbox"/>	Yes		No

Tentative Schedule of Proposed Activities

Proposed Activity	Start Date	End Date	No. of Days
Install Subsea Manifold and Lease Pipeline	11-01-03	11-21-03	21
Hook-Up and Commence Production from Subsea Well No. 004	12-01-03	12-31-13	

Description of Drilling Rig

Description of Production Platform

<input type="checkbox"/> Jackup	<input type="checkbox"/> Drillship	<input type="checkbox"/> Caisson	<input type="checkbox"/> Tension Leg Platform
<input type="checkbox"/> Gorilla Jackup	<input type="checkbox"/> Platform rig	<input type="checkbox"/> Well protector	<input type="checkbox"/> Compliant tower
<input type="checkbox"/> Semi-submersible	<input type="checkbox"/> Submersible	<input type="checkbox"/> Fixed Platform	<input type="checkbox"/> Guyed tower
<input type="checkbox"/> DP Semi-submersible	<input type="checkbox"/> Other (Attach description)	<input checked="" type="checkbox"/> Subsea manifold	<input type="checkbox"/> Floating production system
Drilling Rig Name (if known):		<input type="checkbox"/> Spar	<input type="checkbox"/> Other (Attach Description)

Description of Lease Term Pipelines

From (Facility/Area/Block)	To (Facility/Area/Block)	Diameter (Feet)	Length (Feet)
Subsea Well No. 004/EC/373	Platform A/EC/373		

OCS PLAN INFORMATION FORM (CONTINUED)
Include one copy of this page for each proposed well/structure

Proposed Well/Structure Location					
Well or Structure Name/Number (If renaming well or structure, reference previous name): Subsea Well No. 004					Subsea Completion
Anchor Radius (if applicable) in feet:					<input checked="" type="checkbox"/> X <input type="checkbox"/> Yes <input type="checkbox"/> <input type="checkbox"/> No
	Surface Location			Bottom-Hole Location (For Wells)	
Lease No.	OCS-G 14391			OCS-G 14391	
Area Name	East Cameron			East Cameron	
Block No.	373			373	
Blockline Departures (in feet)	N/S Departure	5150'	F S L	N/S Departure:	F L
	E/W Departure	3950'	F E L	E/S Departure:	F L
Lamber X-Y coordinates	X: 1,684,310			X:	
	Y: 10,145,355			Y:	
Latitude / Longitude	Latitude 27° 57' 26.136" N			Latitude	
	Longitude -92° 51' 50.400 W			Longitude	
TVD (Feet):		MD (Feet):		Water Depth (Feet): 420'	
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
Paperwork Reduction Act of 1995 Statement: The Paperwork Reduction Act of 1995 (44 U.S.C. Chapter 35) requires us to inform you that MMS collects this information as part of an applicant's Exploration Plan or Development Operations Coordination Document submitted for MMS approval. We use the information to facilitate our review and data entry for OCS plans. We will protect proprietary data according to the Freedom of Information Act and 30 CFR 250.196. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid Office of Management and Budget Control Number. The use of this form is voluntary. The public reporting burden for this form is included in the burden for preparing Exploration Plans and Development Operations Coordination Documents. We estimate that burden to average 580 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 4230, Minerals Management Service, 1849 C Street, N.W., Washington, DC 20240.					

SECTION B General Information

A. Contact

Questions or requests for additional information should be made to Kerr-McGee's authorized representative for this project:

Connie Goers
R.E.M. Solutions, Inc.
17171 Park Row, Suite 390
Houston, Texas 77084
281.492.8562 (Phone)
281.492.6117 (Fax)
connie@remolutionsinc.com

B. Project Name

Kerr-McGee does not typically provide project names to their development activity.

C. Production Rates and Life of Reserves

Kerr-McGee estimates the life of reserves for the proposed development activity to be 10 years, with the following estimated combined production rates:

Product	Average Rates	Peak Rates
Gas		
Condensate		

D. New or Unusual Technology

Kerr-McGee does not propose using any new and/or unusual technology for the operations proposed in this plan.

E. Bonding Information

In accordance with Title 30 CFR Part 256, Subpart I, Kerr-McGee Oil & Gas Corporation has on file with the Minerals Management Service Gulf of Mexico Regional Office a \$3,000,000 Areawide Development Bond.

SECTION B

General Information - Continued

As deemed warranted, Minerals Management Service will contact the designated operator in the event a supplemental bond is required for the proposed operations, as outlined in Notice to Lessees (NTL) 2003-N06 to cover plugging liability of the wellbores, removal of associated well protector structures and site clearance.

Kerr-McGee is on the exempt list with the Minerals Management Service for supplemental bonding.

F. Onshore Base and Support Vessels

The surface disturbances in East Cameron Block 373 are located approximately 120 miles from the nearest Louisiana shoreline, and approximately 125 miles from the onshore support base to be located in Fourchon, Louisiana.

Kerr-McGee will use an existing onshore base to accomplish the following routine operations, and does not anticipate the need for any expansion of the selected facilities as a result of the activities proposed in this Plan:

- Loading/Offloading point for equipment supporting the offshore operations,
- Dispatching personnel and equipment,
- Temporary storage for materials and equipment,
- 24-Hour Dispatcher

Personnel involved in the proposed operations will typically use their own vehicles as transportation to and from the selected onshore base; whereas the selected vendors will transport the equipment by a combination of trucks, boats and/or helicopters to the onshore base. The personnel and equipment will then be transported to the field via the transportation methods and frequencies shown below, taking the most direct route feasible as mandated by weather and traffic conditions:

Support Vessel	Construction Trips Per Week	Production Trips Per Week
Crew Boat	As Needed	As Needed
Supply Boat	1	As Needed
Helicopter	As Needed	As Needed

A Vicinity Plat showing the surface location in East Cameron Block 373 relative to the shoreline and onshore base is included as **Attachment B-1**.

SECTION B

General Information - Continued

C. Lease Stipulations

Under the Outer Continental Shelf Lands Act, the Minerals Management Service is charged with the responsibility of managing and regulating the exploration and development on the OCS.

As part of the regulatory process, an Environmental Impact Statement (EIS) is prepared for each lease sale, at which time mitigation measures are addressed in the form of lease stipulations, which then become part of the oil and gas lease terms and are therefore enforceable as part of that lease.

As part of this process, the designated operator proposing to conduct related exploratory and development activities, must review the applicable lease stipulations, as well as other special conditions, which may be imposed by the Minerals Management Service, and other governing agencies.

Military Warning Area

The hold and save harmless section of the Military Areas Stipulation serves to protect the U.S. Government from liability in the event of an accident involving the designated oil and gas lease operator and military activities.

The electromagnetic emissions section of the stipulation requires the operator and its agents to reduce and curtail the use of radio or other equipment emitting electromagnetic energy within some areas.

This serves to reduce the impact of oil and gas activity on the communications of military missions and reduces the possible effects of electromagnetic energy transmissions on missile testing, tracking, and detonation.

The operational section requires notification to the military of oil and gas activity to take place within a military use area. This allows the base commander to plan military missions and maneuvers that may avoid the areas where oil and gas activities are taking place or to schedule around these activities. Prior notification helps reduce the potential impacts associated with vessels and helicopters traveling unannounced through areas where military activities are underway.

The Military Areas Stipulation reduces potential impacts, particularly in regards to safety, but does not reduce or eliminate the actual physical presence of oil and gas operations in areas where military operations are conducted.

SECTION B

General Information - Continued

The reduction in potential impacts resulting from this stipulation makes multiple-use conflicts most unlikely. Without the stipulation, some potential conflict is likely. The best indicator of the overall effectiveness of the stipulation may be that there has never been an accident involving a conflict between military operations and oil and gas activities.

The proposed surface disturbance in East Cameron Block 373 is located within Military Warning Area W-147AB. Therefore, in accordance with the requirements of the referenced stipulation, Kerr-McGee will contact the 147th Fighter Wing in order to coordinate and control the electromagnetic emissions during the proposed operations.

Special Conditions

The proposed surface disturbance activity in East Cameron Block 373 will not be affected by any special conditions and/or multiple uses, such as designated shipping/anchorage areas, lightering zones, rigs-to-reef zone, or ordnance disposal zones.

I. Related OCS Facilities and Operations

As addressed earlier in this Plan, Kerr-McGee is proposing installation of a subsea wellhead and manifold to be installed over Lease OCS-G 14391, Subsea Well No. 004. An approximate 6900' gas/condensate 3-1/2 inch lease pipeline will be installed to transport production from Subsea Well No. 004 to Kerr-McGee's Platform A in East Cameron Block 373.

The anticipated flow rates and shut-in times for the proposed pipeline are as follows:

Origination Point	Flow Rates	Shut-In Time
Subsea Well No. 004		

J. Transportation Information

Produced hydrocarbons from the respective structure addressed above will be further transported via Stingray portion of Operations System No. 8.

Kerr-McGee does not anticipate installation of any new and/or modified onshore facilities to accommodate the production of East Cameron Block 373

Vicinity Plat

**Attachment B-1
(Public Information)**

**EAST CAMERON AREA
LA2**

VERMILION AREA
LA3

29' 30'

29' 30"

20.

257

WEST CAMERON AREA
SOUTH ADDITION
LAIB

VERMILION ARE A
SOUTH ADDITION
LA3B

10.

10.

East Cameron Block 373
OCS-G-14391
Location #4

28.00

28' 00'



TERR MC GEE OIL & GAS CORPORATION
16666 Northchase Dr. Houston, Texas 77060

**East Cameron Block 373
OCS-G-14391**

**Location "A" POE
Area Map**

SECTION C

Geological, Geophysical & H2S Information

A. Structure Contour Maps

Included as *Attachment C-1* is a current structure map (depth base and expressed in feet subsea) depicting the entire lease coverage area; drawn on the top of each prospective hydrocarbon sand. The map depicts the bottom hole location for the respective well provided in this Plan.

B. Interpreted Deep Seismic Lines

The surface disturbance operations will be conducted from a previously approved surface location in the Plan of Exploration for Lease OCS-G 14391, East Cameron Block 373; therefore, no deep seismic lines are required for the proposed activity.

C. Geological Structure Cross Sections

Included as *Attachment C-2* is a geological cross section for the subject well.

D. Shallow Hazards/Archaeological Reports

A high resolution geophysical survey in East Cameron Block 373 during on behalf of Kerr-McGee. The purpose of the survey was to evaluate geologic conditions and inspect for potential hazards or constraints to lease development.

East Cameron Block 373 is not located in a high probability area for historic and/or pre-historic archaeological resources; therefore, an archaeological report is not required.

E. Shallow Hazards Assessment

The proposed operations will be conducted from a previously approved surface location in the Plan of Exploration; therefore a shallow hazards analysis is not required.

F. High Resolution Seismic Lines

The proposed operations will be conducted from a previously approved Plan of Exploration; therefore a shallow hazards analysis is not required.

G. Stratigraphic Column

A generalized biostratigraphic/lithostratigraphic column from the seafloor to the total depth of the proposed wells is not required for the proposed operations provided for in this Plan.

SECTION C

Geological, Geophysical & H₂S Information-Continued

El. Hydrogen Sulfide Classification

Minerals Management Service has previously classified the proposed activities for Lease OCS-G 14391, East Cameron Block 373 as absent of hydrogen sulfide.

Structure Maps

**Attachment C-1
(Proprietary Information)**

Cross Section Maps

**Attachment C-2
(Proprietary Information)**