File SN 9171 10-18-99

AMERADA HESS CORPORATION

KEITH J. DUPUIS SUPERVISOR, ENVIRONMENTAL AND REGULATORY AFFAIRS ONE ALLEN CENTER, 500 DALLAS STREET HOUSTON, TEXAS 77002 713-609-5926 FAX 713-609-5604

October 4, 1999

U.S.DEPARTMENT OF THE INTERIOR Minerals Management Service Gulf of Mexico OCS Region 1201 Elmwood Park Blvd. New Orleans, LA 70123-2394

Attn: Mr. Alex Alvarado (MS 5232)

RE: Abandonment of Pipeline Segments 9171, 9172 Right-of Way Nos. OCS- G 12342, 12343 Main Pass Block 273 Offshore, Louisiana

Gentlemen:

Please be advised that Amerada Hess Corporation (AHC) completed the abandonment of the following pipelines on June 16,1999 in accordance with your May 30, 1997 approval letter and 30 CFR 250.1006 (a) (1) which requires flushing the pipelines, filling with seawater, cutting and plugging the pipelines and burying the ends at least three feet below the mudline.

GENERAL LOCATION	MMS SEGMENT NO.	<u>OCS-G NO.</u>	<u>LENGTH</u>	<u>SIZE</u>	WATER <u>DEPTH</u>
MP 273 "A" TO MP 292 SSTI	9171	12342	13,801'	4"	216'
MP 273 "A" TO MP 291	9172	12343	11,552'	8"	216'

You may contact me at (713) 609-5926 if any additional information is required.

With kindest (regards, Keith J. Dupuis

Cc: W.D. Anderson E. L. Ardoin J. C. Edel N. J. Soileau Central Files – Main Pass 273 (File 2.5)

Kjd92399mp273plabandltr.doc

MINERALS MANAGEMENT SERVICE RECEIVED 001 0 5 1999 FIELD SOM OCS Region, New Orleans, **OPERATIONS**

5232 File Sw 9171

In Reply Refer To: MS 5200

September 2, 1999

Amerada Hess Corporation Attention: Mr. Keith J. Dupuis One Allen Center 500 Dallas Street Houston, Texas 77002

Gentlemen:

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By letter dated May 14, 1999, we approved a time extension until September 1, 1999, for the removal of Main Pass Block 273, expired Lease OCS-G 4918, Platform A, and completion of site clearance and a time extension until June 30, 1999, for the in-place abandonment of connecting Pipeline Segments Nos. 9171 and 9172. Problems were encountered in securing and scheduling a contractor to remove Platform A; all wells were plugged and abandoned in September 1997.

We are now in receipt of your letter dated August 25, 1999, advising us that pipeline abandonment is complete but requesting an additional 30-day time extension for the abandonment of Platform A, necessitated by a delay in the arrival of the Global Industries' DLB Hercules derrick barge, which has been contracted to remove the platform. Due to delays in completing prior commitments, Global Industries now estimates that the DLB Hercules will arrive on location no earlier than September 10, 1999.

Due to the likelihood of additional slippage in the work schedule of the DLB Hercules, a further time extension until October 15, 1999, is hereby approved for the removal of expired Lease OCS-G 4918, Platform A, and completion of site clearance contingent upon all aids to navigation being maintained in working order during the interim period.

Please contact us if we can be of further assistance in this matter.

Sincerely,

(Org. Sgd.) Donald C. Howard

Donald C. Howard Regional Supervisor Field Operations

MINERALS MANAGEMENT SERVICE RECEIVED SEP 02 1999 GOM OCS Region, New Orleans

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bcc: LAD 3a(G) w/letter and atch (MS 5200) MS 5210 (Alvarado (MS 5232) MS 5250

RDWhitaker:dsl:08/30/99 amerad49.18a

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Daniel 1 5/20/97

In Reply Refer To: MS 5232

MAY 3 0 1997

Mr. J. Y. Christopher Amerada Hess Corporation Post Office Box 2040 Houston, Texas 77252-2040

Dear Mr. Christopher:

Pursuant to 30 CFR 250.150(b), the relinquishment of the right-of-way grant associated with the following pipeline is hereby accepted effective May 13, 1997:

Pipeline	Size	Length			
Segment No.	(inches)	(feet)	Service	From	To
T					
9171	4 1/2	13,801	Oil	Platform A	A 12-inch SSTI
(Right-of-Way	OCS-G 1234	21		Block 273	Block 292
				Main Pass Area	Main Pass Area
				Lease OCS-G 4918	Lease OCS-G 10912
					Segment No. 2841

Your letter dated May 7, 1997, requests approval to permanently abandon in place approximately 13,801 feet (2.61 miles) of 4 1/2-inch pipeline designated as Segment No. 9171, and to relinquish in its entirety, Right-of-Way Grant OCS-G 12342 associated therewith.

Pursuant to 30 CFR 250.4(b), approval is hereby granted to abandon this pipeline, and in accordance with 30 CFR 250.159(c), the requirement that the pipeline be removed is hereby waived. However, in the future, should it be determined that this abandoned pipeline constitutes a hazard to navigation or commercial fishing operations or unduly interferes with the other uses of the Outer Continental Shelf, Amerada Hess Corporation shall be required to remove it.

Amerada Hess Corporation shall cease transporting hydrocarbons through this pipeline immediately and complete the aforementioned abandonment operations within 60 days of the date of this letter. Additionally, Amerada Hess Corporation shall submit written notification to this office within 30 days of the completion of the pipeline abandonment. The notification shall include the date the abandonment was completed and an indication that the abandonment was completed as approved.

Sincerely,

. Jis. Sgd.) Warren Williamson

Donald C. Howard Regional Supervisor Field Operations

bcc: [1502-01 Segment No. 9171, ROW OCS-G 12342 (MS 5232) 1502-01 ROW OCS-G 12342 (Microfilm) (MS 5033) MS 5421 MS 5232 (Carto)

DIzon:amm:5/20/97:Amerada.171

AMERADA HESS CORPORATION

ONE ALLEN CENTER, 500 DALLAS STREET HOUSTON, TEXAS 77002 713-609-5870 FAX 713-609-5608

MATED

May 7, 1997

U.S. DEPARTMENT OF THE INTERIOR Minerals Management Service Gulf of Mexico OCS Region 1201 Elmwood Park Blvd. New Orleans, LA 70123-2394

Attn: Mr. Donald C. Howard Regional Supervisor Field Operations (MS 5232)

RE: Abandonment of Pipeline Segments 9171, 9172 Right-of-Way Nos. OCS-G-12342, 12343 Main Pass Block 273 OCS, Louisiana

Gentlemen:

Amerada Hess Corporation (AHC) requests your approval to abandon the subject DOT regulated pipelines in place and relinquishment of the subject rights-of-way, since no future utility is expected. The proposed abandonments will be done in accordance with MMS Regulation 30 CFR 250. 156 (a)(1), which requires flushing the pipelines, filling the pipelines with seawater, cutting and plugging the pipelines and burying the ends at least three feet below the mudline. The abandonments will also conform to DOT Regulation 49 CFR 192.727 (b).

The following are additional details of the pipelines proposed for abandonment:

FROM	<u>T0</u>	MMS SEGMENT NO.	OCS-G-NO.	LENGTH	<u>SIZE</u>	DEPTH
MP 273 "A" Platform (OCS-G-4918)	MP 292 SSTI	9171	12342	13,801'	4"	216'
MP 273 "A" Platform (OCS-G-4918)	MP 291	9172	12343	11,552'	8"	216'

Please contact Mr. Keith J. Dupuis at (713) 609-5926 if any additional information is required to process this request.

With kindest regards,

J. V. Christopher Attorney-In-Fact

JYC:KJD/fet

cc: W. C. Alexander E. L. Ardoin S. M. Croghan J. C. Edel G. L. Mathews N. J. Soileau C. Files - MP 273 (File 2.5)

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AMERADA HESS CORPORATION



KEITH J. DUPUIS SUPERVISOR, ENVIRONMENTAL AND REGULATORY AFFAIRS



U.S. DEPARTMENT OF THE INTERIOR Minerals Management Service Gulf of Mexico OCS Region 1201 Elmwood Park Blvd. New Orleans, LA 70123-2394

Attn: Mr. Alex Alvarado, MS 5232

RE: Report of Out-of-Service Pipelines

Gentlemen:

In accordance with MMS Operating Regulation 30 CFR 250.158 and the Letter to Lessees (LTL) of April 18, 1991, Amerada Hess Corporation (AHC) wishes to advise you that the following pipeline segments have been rendered out-of-service:

Pipeline <u>Segment No.</u>	R-O-W <u>No.</u>	Size <u>(Inches)</u>	Length <u>(Feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>	Date Out- of-Service
9171	G-12342	4	13,801'	Oil	MP 273 "A"	MP 292 SSTI	2/17/97
9172	G-12343	8	11,552'	Gas	MP 273 "A"	MP 291 SSTI	2/17/97

Please note that the above pipelines will be flushed and filled with inhibited seawater within one year as outlined in 30 CFR 250.156 (b) (2) and an application to permanently abandon the pipelines will be submitted in compliance with 30 CFR 250.156 (b) (3).

You may contact me at (713) 609-5926 if any additional information is required.

With kindest regards W Keith J. Dupuis

4/24/9

KJD/fet

cc: W. D. Anderson E. L. Ardoin J. C. Edel G. L. Mathews N. J. Soileau C. Files - MP 273 (File 2.5)

SN9171

Braces 1-17-91 alranado 1-18-91 Stauffer 1/18/91

In Reply Refer To: MS 5232 (ROW OCS-G 12342)

BEST AVAILABLE COPY

JAN 22 1991

Amerada Hess Corporation Attention: Mr. J. V. Simon 1201 Louisiana, Suite 700 Houston, Texas 77002-5681

Gentlemen:

In accordance with 30 CFR 250.158(b), your letter dated December 19, 1990, transmitted a pipeline construction report for the following right-of-way pipeline:

Pipeline

Right-of-way Size Length (inches) (feet) Service Status From Number To OCS-G 12342)4 1/2 13,801 011 Active Platform A A 12-inch SSTI Block 273 Block 292 Main Pass Area, Main Pass Area, South and East South and East Additions Additions

The data which you provided indicates the following test information and establishes the assigned maximum allowable operating pressure (MAOP) for this pipeline:

Pipeline Right of

Number	(psig)	(hours)	(psig)	Determination
0CS-G 12342	2,174	8	1,440	Receiving Pipeline

The total length of the "as-built" pipeline right-of-way is 2.61 miles.

In future correspondence, please refer to the above pipeline by its assigned right-of-way number.

Sincerely,

(Orig. Sgd.) A. Donald Giroir

D. J. Bourgeois Regional Supervisor Field Operations

bcc: (1502-01 P/L OCS-G 12342, w/orig report (MS 5232) 1502-01 P/L OCS-G 12342 w/cy of report (C. Williams) (MS 5033) MS 5421 MS 5232 Carto (w/cy of location plat)

22917 00 121/21

ABritton:ds:1/16/91:WP

pm & 3-91

AMERADA HESS CORPORATION

1201 LOUISIANA, SUITE 700 HOUSTON, TEXAS 77002-5681 713-658-9770

December 19, 1990

Mr. D. J. Bourgeois, Regional Supervisor Field Operations Minerals Management Service Gulf of Mexico OCS Region 1201 Elmwood Park Blvd. New Orleans, Louisiana 70123



Attn: Ms. Carol Williams MS 5232

Re: As-Built Documentation: OCS-G-12342

4.5 inch O.D. Crude Oil Pipeline From Main Pass Block 273, OCS-G-4918, Platform A To a Proposed Hot Tap in Main Pass Block 292, OCS-G-10912, Shell Oil Company's existing 12.75-inch Cobia Pipeline Offshore Louisiana, Gulf of Mexico

Dear Mr. Bourgeois:

Attached is the following as-built documentation, in triplicate, for the referenced pipeline:

- 1) As-built survey plat
- 2) Pipeline hydrotest records
- 3) Calibration records for equipment used in hydrotesting

Please let me know if you require further information.

Very truly yours,

Craig Edel

Project Engineer

CE:dlr

cc: J. V. Simon ⊃ch∩ S. M. Croghan File WC 589 'A' 5.4.12

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OGASCO ocs Oil & Gas Specialties Company

005-6-12342

11321 Todd St • Box 55306 • Houston, Texas 77255 • (713) 686-3444 • Telex 29-3368

CALIBRATION CERTIFICATE

Manufacturer CHANDLER ENGINEERING pe of Instrument DEAD WEIGHT

Model Number 55-1 Serial Number 13014-2 Range 0-3000#

Date of Calibration 9/10/90

Inspector

BEST AVAILABLE COPY

CALIBRATION

INCREASING PRESSURE/TEMPERATURE		DECREASING	PRESSURE/TE	MPERATURE	
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2250#	2245#		750#	747#	
3000#	2996#		0	0	
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	1				

This is to certify that the above described device has been inspected and tested against the following standard:

Pressure VTX 802-0084 SN: 2790	NBS	Reference <u>P-7819</u>
Temperature 600-2830 SN:631686	NBS	Reference
Testing was conducted with the device	e in	the () Vertical position

) Vertical position) Horizontal position

OGASCO BRANCH OFFICES:

Box 51424 OCS Lafayette, Louisiana 70505 (318) 235-4444 (318) 235-5823 Box 93 Harvey, Louisiana 70059 (504) 367-7914 PO Box 6157 Tulsa, Oklahoma 74148 (918) 832 8975



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OGASCO

005-6-12342

Oil & Gas Specialties Company

11321 Todd St • Box 55306 • Houston, Texas 77255 • (713) 686 3444 • Telex 29-3368

CALIBRATION CERTIFICATE

ManufacturerBARTONType of InstrumentRECORDERModel Number265Serial Number4733-2Range0-150°F

Date of Calibration_

9/10/90 Inspector ()

BEST AVAILABLE COPY

	CALIBRATION				
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This is to certify that the above described device has been inspected and tested against the following standard:

Pressure	VTX 802-0084 SN:2790	NBS Reference	P-7819
Temperature	600-2830 SN:631686	NBS Reference	237489/237840
Testing was	conducted with the devic	e in the () V () H	Vertical position Norizontal position

OGASCO BRANCH OFFICES:

Box 51424 OCS Lalayette, Louisiana 70505 (318) 235-4444 (318) 235-5823 P O Box 6157 Tulsa, Oklahoma 74148 (918) 832 8975



OGASCO OCS-6-12342 Oil & Gas Specialties Company

11321 Todd St • Box 55306 • Houston, Texas 77255 • (713) 686 3444 • Telex 29-3368

CALIBRATION CERTIFICATE

Manufacturer OGASCO	Туре	of Instrument_	RECO	RDER	
Model Number	Serial Number_	1690-2	_Range_	0-3000#	
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Date of Calibration 9/10/90

Inspector () (log DAVID ROGERS

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CALIBRATION INCREASING PRESSURE/TEMPERATURE DECREASING PRESSURE/TEMPERATURE APPLIED INDICATED APPLIED INDICATED 2 0 3000# 0 3000# 2250# 750# 750# 2250# 1500# 1500# 1500# 1500# 2250# 750# 750# 2250# 3000# 3000# 0 0

This is to certify that the above described device has been inspected and tested against the following standard:

Pressure	VTX 802-0084 SN:2790	NBS Reference	P-7819
Temperature	600-2830 SN:631686	NBS Reference	237489/237840
Testing was	conducted with the devic	e in the () Vertica () Horizon	l position tal position

OGASCO BRANCH OFFICES:

Box 51424 OCS Lafayette, Louisiana 70505 (318) 235-4444 (318) 235-5823

Box 93 Harvey, Louisiana 70059 (504) 367-7914 P O Box 6157 Tulsa, Oklahoma 74148 (918) 832 8975 BEST AVAILABLE COPY

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SANTA FE ENGINEERING & CONSTRUCTION COMPANY

Deadweight Test and Temperature Data .

Project: Amera	a Hess	
Extent of Test:	From MP273	10 <u>Shell 12" Het tap</u>
Pipe Specifications:	<u>41/2 "</u> O.D. x ,28	W.T.; Grade APT 5LB
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SANTA FE ENGINEERING & CONSTRUCTION COMPANY

Deadweight Test and Temperature Data

Extent of Test:	From		To	
Pipe Specifications		O.D. x	W.T.; Grade	

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NOTES

COORDINATES OF AS-BUILT POINTS ALONG TANGENTS AND CURVES ARE FIXES TAKEN FROM LAYBARGE OR BUOY TIES, AND THE REAL TIME POSITION RECORDED BY MEANS OF STARFIX (Satellite Positioning System)

COORDINATES ARE BASED ON THE LOUISIANA (Lambert) PLANE COORDINATE SYSTEM, SOUTH ZONE (Grid Units in Feet) GEODETIC DATUM: NAD 1927, CLARKE 1866 SPHEROID

CERTIFIED CORRECT AS TO HORIZONTAL POSITION OF AS-BUILT PIPELINES

REGISTERED LAND SURVEYOR NO. 4335 STATE OF LOUISIANA JOHN E. CHANCE & ASSOCIATES, INC.

AMERADA HESS CORPORATION

AS-BUILT 4" & 8" PIPELINES

MAIN PASS AREA

GULF OF MEXICO

CHANCE & ACCOCIATES INC	SCALE: 1" = 2000'
CHANCE & ASSOCIATES, INC.	DATE: 10/4/90
ENGINEERS & LAND SURVEYORS	JOB NO. 90-1639
LAFAYETTE, LOUISIANA	MAP NO. 1437-C

5N9171

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BEST AVAILABLE COPY

In Reply Refer To: MS 5232 (OCS-G 12342)

AUG 3 1 1990

Amerada Hess Corporation Attention: Mr. Craig Edel 1201 Louisiana, Suite 700 Houston, Texas 77002-5681

Pipelines:

Gentlemen:

Pursuant to the authority granted by 43 U.S.C. 1334(e) and 30 CFR 250.150(d), your application dated July 24, 1990, for a pipeline right-of-way two-hundred feet (200') in width for the installation, operation, and maintenance of a 4 1/2-inch pipeline, 2.60 miles in length, is hereby approved, as proposed.

The proposed pipeline will transport oil from Amerada Hess Corporation's Platform A in Block 273 to a subsea tie-in with Shell Oil Company's 12-inch pipeline (OCS-G 1701) in Block 292, all in the Main Pass Area, South and East Additions.

This approval is subject to the following conditions:

1. Construct, operate, and maintain the pipeline in accordance with the Department of Transportation Regulations Title 49 CFR 195.

2. Our analysis indicates the following as potential hazards to the proposed activities. Therefore, precautions in accordance with Notice to Lessees and Operators No. 83-3, Section IV.B, shall be taken prior to conducting operations.

Name	Diameter (inches)	Block	Area
Southern Natural Gas Compan <mark>y</mark>	24	292	Main Pass, South and East Addition
Shell Oil Company	12	292	Main Pass, South and East Addition

3. Amerada Hess Corporation's regional Oil Spill Contingency Plan approved on February 17, 1988, shall cover this pipeline operation.

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Based on our analysis of your application, the maximum allowable operating pressure for this pipeline will be 1,440 psig.

Sincerely,

(Orig. Sgd.) William H. Martin

D. J. Bourgeois Regional Supervisor Field Operations

cc: Department of Transportation 2320 La Branch, Room 2116 Houston, Texas 77004 (w/application)

bcc: [1502-01 (P/L OCS-G 12342), w/enclosures (K. Faust) (MS 5232) 1502-01 (P/L OCS-G 12342) (MS 5033) (C. Williams) MS 5250 MS 5440 MS 5421, w/receipt MS 5232 (Carto), w/plat

CWilliams:lr:8/30/90:WP

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AMERADA HESS CORPORATION

1201 LOUISIANA, SUITE 700 HOUSTON, TEXAS 77002-5681 713-658-9770

OCS-G12342

MS 5232

July 24, 1990

Mr. D.J. Bourgeois, Regional Supervisor Field Operations Minerals Management Service Gulf of Mexico OCS Region 1201 Elmwood Park Blvd. New Orleans, Louisiana 70123

Attention: Ms. Carol Williams FO-2-2



RE: Application for a Pipeline Right-of-Way Proposed 4.5-inch O.D. Crude Oil Pipeline From Main Pass Block 273, OCS-G-4918, Platform A To a Proposed Hot Tap in Main Pass Block 292, OCS-G-10912, Shell Oil Company's existing 12.75-inch Cobia Pipeline Offshore Louisiana, Gulf of Mexico

Dear Mr. Bourgeois:

Pursuant to the authority granted in Section 5(e) of the Outer Continental Shelf Lands Act (67 Stat. 462) (43 U.S.C. 1331), as amended (92 Stat. 629), and in compliance with the regulations contained in Title 30 CFR Part 250 Subpart J, Amerada Hess Corporation (AHC) is filing this application in quadruplicate for a right-of-way two hundred feet (200') in width for the construction, maintenance and operation of a 4.5-inch O.D. crude oil pipeline in the Main Pass Area, Gulf of Mexico. AHC agrees that said right-ofway, if approved, will be subject to the terms and conditions of said regulations.

This 4-inch O.D. pipeline will be used to transport crude oil from the Amerada Hess Corporation Platform "A" in Main Pass Block 273 to a proposed hot tap at Shell's 12-inch "Cobia" pipeline in Main Pass Block 292. The tentative construction start date is September 1, 1990 and tentative completion date is October 1, 1990. Amerada Hess Corporation will utilize existing support facilities in Fourchon, Louisiana. Minerals Management Service

Page 2 July 24, 1990

This application (and any amendments made hereto) is made with our full knowledge and concurrence with the OCS Lands Act (43 U.S.C. 1331, et seq.), as amended (P.L. 95-372), including the following: Sec. 5(e) addressing pipeline rights-of-way, requirements of the Federal Energy Regulatory Commission relating to notice of hearing, transportation and purchase of oil and gas without discrimination; Sec. 5(f)(1) addressing operation of pipelines in accordance with competitive principles, including open and nondiscriminatory access to both owner and non-owner shippers; Sec. 5(f)(2) which may allow exemption of the requirements in Sec. 5(f)(1); Sec. 5(e), addressing the assurance of maximum environmental protection, including the safest practices for pipeline installation; and Sec. 5(f)(1)(B) which may require expansion of throughput capacity of any pipeline except for the Gulf of Mexico or the Santa Barbara Channel.

Additionally, Amerada Hess Corporation (AHC) expressly agrees that if any site, structure, or object of historical or archaeological significance should be discovered during the conduct of any operations within the permitted right-of-way, AHC shall report immediately such findings to the Director, Gulf of Mexico, OCS Region, and make every reasonable effort to preserve and protect the cultural resource from damage until said Director has given directions to its preservation.

In accordance with applicable regulations, AHC has delivered a copy of the proposed pipeline route map by certified mail, return receipt requested, to each designated oil and gas lease operator, and rightof-way or easement holder whose lease, easement or right-of-way is so affected. A list of such operators and right-of-way or easement holders is attached (Attachment "A") and copies of the return receipts showing date and signature as evidence of service upon such operators and right-of-way or easement holders are included with this application. In order to expedite the permit process, we have requested a letter from the operator and right-of-way or easement holder expressing no objection to the proposed project. When obtained, these letters will be forwarded to your office. The proposed route of the right-of-way does not adjoin or subsequently cross state submerged lands.

Applicant agrees to be bound by the foregoing regulations, and further agrees to comply with the applicable stipulations set forth in the OCS Pipeline Procedures Guidebook dated March, 1984, revised September, 1984.

In support of our application and for your review and use, the following exhibits have been enclosed herewith and made a part hereof:

Minerals Management Service Page 3

July 24, 1990

List of Designated Oil and Gas Lease Operators and
Right-of-way Holders with accompanying Evidence of
Receipt
Additional Information
Original signed copies of Nondiscrimination in
Employment statement (four copies enclosed)
Index or Vicinity Map (four copies)
Route and Profile Map (four copies)
Flow Schematic (four copies)
Typical Pipeline Crossing (four copies)
Three copies of the Pre-lay Survey performed by John
E. Chance and Associates for this pipeline,
containing an Archaelogical Survey if required.
Riser Guard Drawing (NOT INCLUDED; pipeline riser is
installed on the interior of the platform jacket, and
is therefore fully protected).
Copies of Notification Letters to Designated Oil and
Gas Lease Operators and Right-of Way Holders.
Tie-in to Shell Oil Company's 12-inch pipeline plan
and profile (four copies).

Further, Amerada Hess Corporation hereby agrees to keep open at all reasonable times for inspection by the Minerals Management Service, the area covered by this right-of-way and all improvements, structures, and fixtures thereon and all records relative to the design, construction, operation, maintenance and repairs, or investigations on or with regard to such area.

Corporate qualifications are on file under New Orleans Miscellaneous File No. 059 and thus are omitted from this application. Outer Continental Shelf Right-of-Way Grant Bond Form and original of the bond are on file.

Enclosed is a check in the amount of \$1,445.00 of which \$1,400.00 covers the application fee and \$45.00 covers the first year's rental payment on 3 miles of right-of-way.

Should any additional information be required, please contact Mr. C. Edel at (713) 752-5910.

Minerals Management Service Page 4 July 24, 1990

Your efforts to approve the installation of the subject pipeline right-of-way in a timely fashion would be most appreciated.

Very truly yours,

ald D. Chustin

Ronald D. Christie, Attorney-In-Fact

Attachments and Enclosures cc: Companies listed in Attachment A

ATTACHMENT "A"

The following Designated Oil & Gas Lease Operators and Right-of-Way Holders have been furnished information regarding the proposed pipeline installation by Certified Mail, Return Receipt Requested. (Note: The status of blocks listed below is current as of May 16, 1990, per research of MMS records by Caroline Bennett, J. Connor Consulting).

MAIN PASS AREA, South & East Addition

<u>BLOCK 273</u>

Amerada Hess Corporation 🛛	OCS-G 4918 ø	Oil & Gas Lease
None		Pipeline R-O-W
BLOCK 292		
Atlantic Richfield Company 🔹	0CS-G 10912 [©]	Oil & Gas Lease
Southern Natural Gas 🙍	0CS-G 1906 0	Pipeline R-O-W

Shell Oil Company 🙍 OCS-G 1701 🗢 Pipeline R-O-W

SENDER: Complete Items 1 and 2 when additiona	I services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO' on the in card from being returned to you. <u>The instruction</u> <u>delivered to and the date of delivery</u> . F	reverse side. Feilure to do this will prevent the will provide you the name of the person evilable. Consu. evilable. Consu. evilable. Consu. evides. 2. Restricted prevented.
3. Article Addressed to: Shell Oil Company P. O. Box 60124	4. Article Number P 740 614 620
New Orleans, LA 70160	Registered Insured Certified COD Express Mail
	Always obtain signature of addresses or agent and <u>DATE DELIVERED</u> .
5. Signature - Addressee X 6. Signature - Agent X Verson Mc-Clain	Entil 8: Addresse's Address (ONLY If requested and fee paid)
P8 Form 3811, Feb. 1986	DOMESTIC RETURN RECEIPT

BEST AVAILABLE COPY

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1. La Show to whole denverse, date, and addresses a	ddress. 2. LJ Restricted Delivery.
Southern Natural Gas	P 740 614 621
P = 0 Box 2563	Type of Service:
Birmingham, AL 35202	Registered Insured
Attn: C. J. Perkins	Always obtain signature of addresses agent and <u>DATE DELIVERED</u> .
5. Signature – Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
8. Stgnature - Agent X	

s. Signature Algent	
K	requested and fee paid)
3. Signature — Addressee	8. Addresses's Address (ONLY If
Attil. District Lanaman erfenere	Always obtain signature of addresses or agent and <u>DATE DELIVERED</u> .
Attn: District Landman Offshore	Li COD Li Express Mali
Houston, Texas 77251	Registered Insured
P. O. Box 1346	Type of Service:
Atlantic Richfield Co.	P 740 614 622
J. Article Addressed to:	4. Article Number
I. 🖸 Show to whom delivered, date, and addressee's addr	ess. 2. Restricted Delivery.
the second state of the se	i provide you the name of the person a following services are evailable. Consult (s) requested.

- ----

Southern Natural Gas Company Post Office Box 256:3 Birmingham AL 352 56:3 205 325 7410

SOUTHERN NATURAL GAS

June 29, 1990

Mr. S. J. Zrake, Supervisor Regulatory Affairs Amerada Hess Corporation 1201 Louisiana, Suite 700 Houston, TX 77002-5681

SUBJECT: AMERADA HESS CORPORATION'S PROPOSED 4" OIL PIPELINE CROSSING SOUTHERN NATURAL GAS COMPANY'S 24" MAIN PASS BLOCK 289 PIPELINE, M.P. 6+, BLOCK 292, MAIN PASS AREA, SOUTH AND EAST ADDITION, OFFSHORE, LOUISIANA

Dear Mr. Zrake:

Reference is made to your letter and drawings of May 16, 1990, advising Southern Natural Gas Company (Southern) of Amerada Hess Corporation's (Amerada Hess) plans to construct a 4" Oil Pipeline (4" Oil Pipeline) across Southern's 24" Main Pass Block 289 Pipeline (24" Block 289 Pipeline) at a location in Block 292, Main Pass Area identified as Station 82+53.73 at Coordinates X=2,890,526.00', Y=230,783.27' on Sheet 2 of the Proposed 4" Oil Pipeline Drawings (Drawings).

Accordingly, this letter agreement shall set forth the terms and conditions under which Amerada Hess may install the 4" Oil Pipeline across Southern's 24" Block 289 Pipeline. In consideration of the premises and the mutual covenants hereinafter set out, Southern and Amerada Hess agree as follows:

1. Amerada Hess will notify Southern's Authorized Representative at the address given below at least four (4) days prior to the construction of the 4" Oil Pipeline across Southern's 24" Block 289 Pipeline.

> Mr. J. R. Stampley Southern Natural Gas Company P. O. Box 147 Chalmette, LA 70044 Phone: 504/682-5976

> > RECEIVED

A SENAT COMPANY

Mr. S. J. Zrake Page -2-June 29, 1990

> 2. Prior to the installation of the 4" Oil Pipeline, Amerada Hess will locate Southern's 24" Block 289 Pipeline and accurately mark the location with buoys.

> 3. Amerada Hess will install the 4" Oil Pipeline across Southern's 24" Block 289 Pipeline with a minimum vertical separation of 18 inches. This separation is to be maintained by construction of a sack spacer between the pipelines. This sack spacer shall consist of a dry mixture of aggregate and cement in burlap bags. Amerada Hess agrees that any work on the 4" Oil Pipeline within 100 feet of Southern's pipelines will be accomplished by hand jetting only.

> 4. Should Southern find it necessary at any time in the future to raise, expose or otherwise alter the 24" Block 289 Pipeline in the vicinity of Amerada Hess' proposed 4" Oil Pipeline near the point of crossing for maintenance, replacement, inspection, or any other reason, Amerada Hess, at its sole cost and expense, agrees to take such measures, including without limitation, the separation or removal of such section of the 4" Oil Pipeline as necessary, as required by Southern in its sole judgment (such judgment to be exercised in good faith).

> 5. In consideration for permitting Amerada Hess to cross Southern's 24" Block 289 Pipeline, if the construction, operation or maintenance of the 4" Oil pipeline causes any damage or disruption to Southern's 24" Block 289 Pipeline with respect to the installation operation, maintenance or removal of Amerada Hess' 4" Oil pipelines, Amerada Hess

Mr. S. J. Zrake Page -3-June 29, 1990

> agrees to reimburse Southern for (a) any and all expenses incurred by Southern to repair and return the 24" Block 289 Pipeline to its original condition to Southern's satisfaction including the protective coating of the 24" Block 289 Pipeline, (b) the value of any oil or gas, or both, lost from Southern's 24" Block 289 Pipeline, (c) the cost of cleaning up and disposing of any product spilled from Southern's 24" Block 289 Pipeline, (d) the payment of all claims, fines or penalties paid to individuals, governmental agencies, or any other entity as the result of any and all damages or losses arising out of the installation, operation, maintenance, or removal of Amerada Hess' 4" Oil Pipeline, (e) the cost of hydrostatic tests for the 24" Block 289 Pipeline if Southern believes its integrity is in doubt, and (f) the loss of present or future production or well damage caused by the shutting-in of production wells where such damage or loss is not covered by reason of force majeure to take the 24" Block 289 Pipeline out-of-service.

6. Amerada Hess agrees to install the 4" Oil Pipeline in a 24" Block 289 manner that will protect Southern's Pipeline and any of Southern's facilities. At all times during the installation procedures, Amerada Hess agrees to be responsible for the integrity of Southern's facilities in the vicinity of Amerada Hess' activities. Nothing contained herein shall be construed to obligate Southern additional responsibility for the to assume any protection, operation and maintenance of Southern's 24" Block 289 Pipeline. Amerada Hess agrees that the crossings shall be performed in accordance with the laws, orders, rules and regulations of all governmental bodies having jurisdiction.

Mr. S. J. Zrake Page -4-June 29, 1990

> 7. Amerada Hess agrees to protect, hold harmless and fully indemnify Southern, its directors, officers, agents, representatives, contractors, subcontractors and employees, against any and all claims, losses, costs, expenses (including attorney's fees), liabilities or liens for or based on property damage, personal injury, death, and/or failure to make payments as they come due, whether with respect to the parties hereto or third parties, arising out of the construction, installation, operation, maintenance, use or removal of Amerada Hess' 4" Oil Pipeline.

8. All damages to Southern's 24" Block 289 Pipeline, including damage to the protective coating, due to the crossing by Amerada Hess will be repaired to the satisfaction of Southern's Authorized Representative at Amerada Hess' sole risk, cost and expense.

9. All work performed in connection with Amerada Hess' crossing of Southern's 24" Block 289 Pipeline shall be coordinated with Southern's closely Authorized Representative and said representative shall have the right to inspect Amerada Hess' operations at any time. Southern shall have the right to have a representative present at all times during the installation associated with the crossings. Amerada Hess, or its contractor, shall provide room and board on the lay barge for Southern's personnel during performance of the crossings and shall also provide reasonable transportation to and from the job at Amerada Hess' cost and expense.

10. Following construction, Amerada Hess will provide Southern with "as-built" drawings of its 4" Oil Pipeline complete with X-Y coordinates. After completion of the construction of the 4" Oil Pipeline, Amerada Hess agrees to notify Southern of any maintenance, repair or removal operations occurring in and around Southern's 24" Block 289 Pipeline.

11. In the event Amerada Hess shall fail to construct the 4" Oil Pipeline within a period of twelve (12) months from the date hereof, this Agreement shall terminate. If after the initial construction, Amerada Hess abandons the 4" Oil Pipeline and the appurtenant facilities, Amerada Hess agrees to notify Southern of such abandonment. Amerada Hess agrees that it will abandon its 4" Oil Pipeline in accordance with all Federal and State regulations and in a manner protecting the integrity of Southern's 24" Block 289 Pipeline. Southern Natural Gas Company

Mr. S. J. Zrake Page -5-June 29, 1990

12. The terms and provisions hereof shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

If the foregoing correctly sets forth the agreement between Amerada Hess and Southern, please have both copies of this Letter Agreement executed by the appropriate official and return both copies to Mr. Edwin M. Schoel, Southern's Encroachments Coordinator, for further handling. Upon execution of this Letter Agreement by Southern, which shall thereupon constitute a binding agreement, Southern will return one fully signed original to Amerada Hess for its records.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

BY: _

Fred T. Melton, Manager Rights of Way & Real Estate

EMS/gj1

ACCEPTED AND AGREED TO THIS _____DAY OF _____DAY OF

AMERADA HESS CORPORATION

ΒΥ ____

TITLE _____

CC: Mr. J. R. Stampley, District Superintendent Southern Natural Gas Company P. O. Box 147 Chalmette, La 70044 Phone: 504/682-5976



Coastal Production Division

One Shell Square P O. Box 61122 New Orleans, Louisiana 70161

June 27, 1990

AMERADA HESS CORPORATION c/o Mrs. Connie J. Goers J. Connor Consulting P. O. Box 218753 Houston, Texas 77218

Dear Ms. Goers:

SUBJECT: PROPOSED 4-INCH OIL PIPELINE TO BE INSTALLED IN AND/OR THROUGH BLOCKS 273 & 292 - MAIN PASS AREA GULF OF MEXICO, FEDERAL WATERS OFFSHORE LOUISIANA

Amerada Hess Corporation has submitted to our company a request for a letter of no objection for the subject right-of-way from Main Pass Block 273, OCS-G-4918, Platform "A" and heading in a southerly direction to a subsea tie-in at Shell Pipe Line Corporation's 12-inch pipeline in Main Pass Block 292. The entire proposed right-of-way is located in OCS waters in the Gulf of Mexico off the coast of Louisiana.

Shell Offshore Inc. is a subsidiary of Shell Oil Company. Shell Offshore Inc. owns Main Pass Block 290 "B" Platform where the 12-inch oil line originates. Another subsidiary of Shell Oil Company, Shell Pipe Line Corporation, owns the 12-inch oil line. We have forwarded a copy of your request for no objection to Shell Pipe Line Corporation so that they may respond independently.

Please be advised that Shell Offshore Inc. has no objection to the proposed project. Please note that our response is independent from Shell Pipe Line Corporation's reply.

Yours very truly,

Th. A. Will

for W. A. Baute Division Production Manager

WSC:SMS

ATTACHMENT "B" AMERADA HESS CORPORATION 4.5-INCH CRUDE OIL PIPELINE MP 273 to MP 292 ADDITIONAL INFORMATION

1. The company person to contact for information on technical points is as follows:

Mr. Craig Edel Amerada Hess Corporation 1201 Louisiana, Suite 700 Houston, Texas 77002 Telephone: (713) 752-5910 Telefax : (713) 752-5657

- 2. <u>Pipeline and Riser Description</u>
 - a) <u>Pipeline</u>

b)

Approximate Length	:	13,800 feet
Size	:	4.500 inch
Wall Thickness	:	0.281 inch
Grade	:	API 5L Gr. B
Bare Weight	:	12.67 lb/ft
Protection Coating Type and Thickness	:	Fusion Bond Epoxy 12-14 mils Thick
Weight Coating - Concrete Density and Thickness	:	Not Required
Specific Gravity of Pipe	:	1.79
Riser		
Approximate Length	:	260 feet
Size	:	4.500 inch
Wall Thickness	:	0.337 inch
Grade	:	API 5L Gr. B
Bare Weight	:	15.00 lb/ft

Corrosion Protection Coating, Type and Thickness - Below Splash Zone : Fusion Bonded Epoxy 12-14 mils Thick - In Splash Zone : Neoprene Coating, 0.500 inch Thick - Above Splash Zone to : Fusion Bonded Epoxy 12-14 Insulating Flange mils Thick Weight Coating - Concrete : None Density and Thickness c) <u>Pigging Facilities</u> Pig Launcher : MP-273 "A" Subsea Tie-in Assembly Description Type of Tie-in Flange Connection to Proposed : Hot Tap Assembly on 12-inch Shell Cobia Pipeline Size of Tie-in Proposed Hot Tap - 4.5 x : 12.75-inch ANSI 900 lb. Protective Coating Type and : Coal Tar Epoxy - 12-15 mils Thickness Pressure Rating of Valves : ANSI 900 lb. 2160 psig Rated and Fittings Working Pressure

4. <u>Cathodic Protection System</u>

3.

The pipeline will be protected by the sacrificial anode system described below. Neoprene lined riser clamps and an insulating flange kit at the top of the riser will insulate the riser from the platform cathodic protection system.

Pipeline and Riser Sacrificial Anode System

Type of Anode	:	Galvalum III
Spacing Interval	:	320 feet
Minimum Required Weight of Unit Anode	:	23 lbs
Consumption Rate	:	7.42 lbs/amp/year
Based on the formula:		

 $Le_{(p/1)} = 3.82 \times 10^4 \times w^{\circ}/DIR$

Where:

Le	= Life expectancy (years)
w°(p/1)	= Weight of anode unit (lbs)
D	= Diameter of pipe (inches)
I	= Separation between anodes (ft)
R	= Rate of consumption (lbs/amp/year)
Le _(p/1) =	$(3.82 \times 10^4) [23/(4.5)(320)(7.42)] = 82$

The calculated life expectancy is equal to 82 years.

5. Water Depth for Pipeline (to Top of Pipe)

Minimum	Water	Depth	:	217	feet
Maximum	Water	Depth	:	238	feet

6. <u>Description of Internal Protective Measures</u>

Internal Coating	:	None
Corrosion Inhibition Program	:	To Be Determined
Pigging Requirements	:	Frequency and type of pig to be determined

The analysis of the transported products will be monitored and preventive measures, such as inhibitors, will be employed as necessary.

7. Specific Gravity of the Empty Pipe Based on Seawater

The formula used to calculate the specific gravity is as follows:

$$SG = \frac{W_{p} + W_{COR} + W_{CONC}}{W_{H20}}$$

a) <u>Line Pipe</u>

Where:

$$W_p$$
 = Weight of the pipe (lbs/ft) = 12.67
 W_{COR} = Weight of corrosion coating (lbs/ft) = 0.12
 W_{CONC} = Weight of concrete coating (lbs/ft) = 0
 W_{H20} = Weight of the seawater (lbs/ft) = 7.15

The above weights are based on the pipe outside diameter and corrosion and concrete coating thicknesses. Densities of the materials are listed below: Density of Pipe:490 lbs/ft3Density of Fusion Bonded
Epoxy:90 lbs/ft3Density of Concrete:NRDensity of Seawater:64 lbs/ft3

The specific gravity of the pipeline = 1.79.

b) <u>Riser Pipe</u>

Where:

 W_p = Weight of the pipe (lbs/ft) = 15.00 W_{COR} = Weight of corrosion coating (lbs/ft) = 0.12 W_{CONC} = Weight of concrete coating (lbs/ft) = 0 W_{H20} = Weight of the seawater (lbs/ft) = 7.15

The above weights are based on the pipe outside diameter and corrosion and concrete coating thicknesses. Densities of the materials are listed below:

	Density	of	Pipe	:	49() lbs/ft ³
	Density Epoxy	of	Fusion Bonded	:	90	lbs/ft ³
	Density	of	Concrete	:	NR	
	Density	of	Seawater	:	64	lbs/ft ³
The	specific	c gi	ravity of the r	ise	r =	<u>2.12</u> .

8. Specific Gravity of the Product

The anticipated specific gravity of the pipeline product is:

Crude Oil SG = 0.801 (Water = 1.0)

9. <u>Design Capacity</u>

The design capacity of the pipeline is 1000 BOPD.

10. <u>Maximum Allowable Operating Pressure</u>

Calculations based on CFR, Title 49, Part 195, "Transportation of Hazardous Liquids by Pipeline."

$$P = \frac{2st}{D}$$

$$Pd = \frac{2st F E T}{D}$$

Where:

P = Pressure at 100 percent SMYS (psig) Pd = Design Pressure (psig)s = Specified Minimum Yield Strength (SMYS) = 35000 psi (Grade B) t = Nominal Wall Thickness in Inches D = Nominal Outside Diameter in Inches F = Design Factor 0.60 for Risers 0.72 for Line Pipe E = Joint Factor 1 for Seamless and ERW Pipe T = Temperature Derating Factor 1 for Operating Temperatures Below 250° a) Line Pipe: 4.500-inch OD x 0.281-inch W.T. API 5L Gr. B 1. P = 4371 psigPd = 3147 psig2. 3. Maximum Allowable Operating Pressure (MAOP) = 1440 psig Riser Pipe: 4.5-inch OD x 0.337-inch W.T. API 5L Gr. B

- 1. P = 5242 psig
- Pd = 3145 psig2.
- Maximum Allowable Operating Pressure (MAOP) = 1440 psig 3.
- Flanges, Valves and Fittings C)

All flanges, valves and fittings to be ANSI 900 lb. 2160 psig rated.

<u>Tie-in</u> d)

b)

MAOP of the Shell Oil Company's connecting pipeline is 1440 psig.

e) System MAOP

Maximum allowable operating pressure as determined in accordance with DOT Title 49, Code of Federal Regulations, as applicable, is 1440 psig determined by MAOP of the receiving pipeline equipment and flange ratings.

Hydrostatic Test Pressure (HTP) per CFR, Title 49, Part 195, Section 195.302.

 $HTP = 1.5 \times MAOP = 2160 \text{ psig, for minimum of 8 hours}$

- 11. Design of the proposed pipeline is in accordance with the "Transportation of Hazardous Liquids by Pipeline", Title 49, CFR, Part 195.
- 12. <u>Construction Information</u>
 - a) Anticipated Starting Date : September 1, 1990
 - b) Method of Construction : Reel barge or Laybarge
 - c) Method of Burial : Not Required
 - d) Time Required to Lay Pipe : Two to Three Days
 - e) Time Required to Complete : Four to Five Days the Project

UNITED STATES DEPARTMENT OF THE INTERIOR MINERALS MANAGEMENT SERVICE

NONDISCRIMINATION IN EMPLOYMENT

As a condition precedent to the approval of the granting of the subject pipeline right-of-way, the grantee, Amerada Hess Corporation, hereby agrees and consents to the following stipulation which is to be incorporated into the application for said right-ofway.

During the performance of this grant the grantee agrees as follows:

During the performance under this grant, the grantee shall fully comply with paragraphs (1) through (7) of Section 202 of Executive Order 11246, as amended (reprinted in 41 CFR 60-1.4(a)), which are for the purpose of preventing discrimination against persons on the basis of race, color, religion, sex or national origin. Paragraphs (1) through (7) of Section 202 of Executive Order 11246, as amended, are incorporated in this grant by reference.

Signature of Grantee Ronald D. Christie Attorney-In-Fact

8/2/90

Date









AMERADA HESS CORPORATION

1201 LOUISIANA. SUITE 700 HOUSTON, TEXAS 77002-5681 713-658-9770

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 16, 1990

Atlantic Richfield Co. P. O. Box 1346 Houston, Texas 77251

Attention: District Landman Offshore

Subject: Proposed 4" Oil Pipeline to be Installed In and/or Through Blocks 273 and 292, Main Pass Area, Gulf of Mexico, Federal Waters, Offshore, Louisiana

. .

Gentlemen:

In accordance with 30 CFR 250.160(c) Amerada Hess Corporation hereby gives notice that it is applying for a pipeline right-of-way originating at Amerada Hess Corporation's Main Pass 273, OCS-G 4918, Platform "A" and heading in a southerly direction to a subsea tie-in at Shell's 12-inch pipeline in Main Pass Block 292. The entire proposed right-of-way is located in federal waters in the Gulf of Mexico off the coast of Louisiana.

Amerada Hess Corporation respectfully requests a letter of no objection to the proposed project at your earliest convenience. To assist you in that regard, enclosed please find a letter of response which only need be completed, executed and dated. Also enclosed are plan and profile drawings of the proposed pipeline. Your expeditious efforts completing the letter of no objection will be most appreciated. Should you require additional information, please contact Mr. Craig Edell at (713) 752-5910.

Sincerely,

& J. Zicke

S. J. Zrake Supervisor, Regulatory Affairs

SJZ:CJG:b1

{MP2734.PL} Enclosures

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 16, 1990

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Southern Natural <u>Gas</u> P. O. Box 2563 Birmingham, Alabama 35202

Attention: C. J. Perkins

Subject: Proposed 4" Oil Pipeline to be Installed In and/or Through Blocks 273 and 292, Main Pass Area, Gulf of Mexico, Federal Waters, Offshore, Louisiana

- -----

Gentlemen:

In accordance with 30 CFR 250.160(c) Amerada Hess Corporation hereby gives notice that it is applying for a pipeline right-of-way originating at Amerada Hess Corporation's Main Pass 273, OCS-G 4918, Platform "A" and heading in a southerly direction to a subsea tie-in at Shell's 12-inch pipeline in Main Pass Block 292. The entire proposed right-of-way is located in federal waters in the Gulf of Mexico off the coast of Louisiana.

Amerada Hess Corporation respectfully requests a letter of no objection to the proposed project at your earliest convenience. To assist you in that regard, enclosed please find a letter of response which only need be completed, executed and dated. Also enclosed are plan and profile drawings of the proposed pipeline. Your expeditious efforts completing the letter of no objection will be most appreciated. Should you require additional information, please contact Mr. Craig Edell at (713) 752-5910.

Sincerely,

J. J. Zrake

S. J. Zrake Supervisor, Regulatory Affairs

SJZ:CJG:b1

{MP2734.PL}
Enclosures

1201 LOUISIANA. SUITE 700 HOUSTON. TEXAS 77002-5681 713-658-9770

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 16, 1990

Shell Oil Company P. O. Box 60124 New Orleans, LA 70160

Subject: Proposed 4" Oil Pipeline to be Installed In and/or Through Blocks 273 and 292, Main Pass Area, Gulf of Mexico, Federal Waters, Offshore, Louisiana

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Gentlemen:

In accordance with 30 CFR 250.160(c) Amerada Hess Corporation hereby gives notice that it is applying for a pipeline right-of-way originating at Amerada Hess Corporation's Main Pass 273, OCS-G 4918, Platform "A" and heading in a southerly direction to a subsea tie-in at Shell's 12-inch pipeline in Main Pass Block 292. The entire proposed right-of-way is located in federal waters in the Gulf of Mexico off the coast of Louisiana.

Amerada Hess Corporation respectfully requests a letter of no objection to the proposed project at your earliest convenience. To assist you in that regard, enclosed please find a letter of response which only need be completed, executed and dated. Also enclosed are plan and profile drawings of the proposed pipeline. Your expeditious efforts completing the letter of no objection will be most appreciated. Should you require additional information, please contact Mr. Craig Edell at (713) 752-5910.

Sincerely,

of J Zrater

S. J. Zrake Supervisor, Regulatory Affairs

SJZ:CJG:b1

(MP2734.PL) Enclosures



		BILL OF MATERIALS					
ITEM	QTY.	DESCRIPTION					
1	1	12" X 12" X 4" ANSI 900# HOT TAP SADDLE					
2	2	4" ANSI 900# RTJ FE X FE FULL OPENING BALL VALVE					
3	2	4" ANSI 900# RTJ SWIVEL FLANGE ASTM A-105 BTM 3.826" ID					
4	2	4.5" O.D. X 0.337" W.T. 90 DEG. 3D RADIUS BEND API-5L GRADE B					
5	1	4" X 4" X 2" RED. WELD TEE ASTM A-234 GRADE WPB XS					
6	1	4" ANSI 900# RTJ X RTJ CHECK VALVE					
7	1	ANODE 1' LG X 1 1/2" THK. 23 LB. GALVALUM III					
8	8	4" ANSI 900# RTJ WN FLANGE ASTM A-105 BTM 3.826" ID					
9	1	4" ANSI 900# BREAKAWAY FITTING WITH REVERSE CHECK VALVE					
10	1	2" ANSI 900# FE X FE FULL OPENING BALL VALVE					
		WITH 2" ANSI 900# RTJ ASTM A-105 BLIND FLANGE					
11	1	INSULATING GASKET SET (ANSI 900# RTJ)					
12	1	2" ANSI 900# RTJ WN FLANGE ASTM A-105 BTM 1.939" ID					
13	50'	50' 4.5" O.D. X 0.337" API-5L GRADE B LINE PIPE					
14	1	4" ANSI 900# RTJ WN FLANGE ASTM A-105 BTM 3.938" ID					

2. ALL 4" AND LARGER FITTINGS AND VALVES SHALL BE ANSI 900#, FULL OPENING AND 4. MANUFACTURER OF BREAKAWAY FITTING IS TO ORDER AND INCORPORATE REVERSE 6. HOT TAP FITTING SHALL BE PRESSURE TESTED FOR 30 MINUTES AFTER INSTALLATION PAINTED IN ACCCORDANCE TO SHELL SPECIFICATION 19-2.308 COLD EPOXY WITHOUT

			AMERADA HESS CORPORATION 1990 LATERAL PIPELINE PROGRAM			
EL ENGINEERING, INC.			4-INCH COND., MP-273/MP-292 TIE-IN TO SHELL 12-INCH			
DRAWN	N CHECKED DESIGNED		SCALE	JOB NO.	DRAWING NO.	
REK		1. Sa	1"=1'-0" U.N.	H-296.1	D-3-01-2B	
5-23-90	a prove a fea	and States		AL CONTRACT		

PIPELINE RIGHT-OF-WAY APPLICATION "ENGINEERING CHECKLIST" MINERALS MANAGEMENT SERVICE GOM REGIONAL OFFICE Den: 8-14-90 DCS-C_12342 A. Description of pipeline and location of proposed route (i.e., size of pipe, product to be A. Description of pipeline and location of proposed route (i.e., are of pipe, product to be transported, from where to where, platform sumber, area, block sumber, area, and distance in feet and miles): A'2 inch, Oil pipeline, 13,968' or 2.60 miles from A merada Hess Corporations Platform A in Block 273 to a subsea fie-in with Shell's 12-inch pipeline (OCS-G 1701) in Block 292, all in the Main Pass Area, south & teast Addition
 B. Sefery Flow Schematic - Verty that the information shows on the sefery flow schematic diagram contains the following: 1. Pressure source is drawn into the schematic with the following: Sim a. source (i.e., hame) _ b. design working pressure c. high-low pressure sensor settings "ANSI" ratings of all valves, flanges, and fittings between the source and the connecting pipeline are shown. 3. Pressure relief valves, where applicable, are shown with the setting set no higher than the maximum working pressure (MWP) of the vessel. If the maximum input source pressure is greater than the maximum allowable operating pressure (MAOP) of the pipeline, redundant safety equipment is required. So # 284 MAOP 1440 MAOP of proposed pipeline does not exceed MAOP of connecting pipeline. required. The pipeline leaving the platform receiving production from the platform is 6. equipped with high-low pressure sensors to directly or indirectly shut-in the well or wells on the platform. The pipeline delivering production to the production facilities on the platform is equipped with an automatic fail-close valve tied into the automatic and remote shut-in system. The pipeline crossing the platform which does not deliver production to the platform, but which may or may not receive production from the platform, is equipped with high-low pressure sensors connected to an automatic fail-close

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valve located in the upstream portion of the pipeline at the platform. In addition, the sensors are tied into either the platform's sutomatic and remote shut-in system or an independent remote shut-in system.

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- 9. The pipeline boarding the pintform/pipeline is equipped with a check valve.
- 10. The pipeline leaving the pistform is equipped with a check value.
- - 11. The high-low pressure sensors on the departing pipeline is located upstream of the check valve.
 - 12. Where applicable, high-low sensors are located downstream of the back pressure regulator.
 - If there is liquid injection into the line, are pumps associated with the injection? (Yes or No)_
 - A4. Direction of flow indicated.
 - 15. Pipe specifications (i.e., size, grade, weight, and wall thickness).
 - 16. Total length of proposed pipeline (fort and miles).
 - .17. MAOP of connecting pipeline.
 - _18. Statement that design meets or exceeds DOT Regulations 192 or 195, as applicable, and/or applicable OCS orders, registered engineer's seal, registration number, date, and signature.
 - .19. Area and block number of proposed pipeline/platform.
- _20. Cathodic protection specifications.
- C. Design Information Verify that the pipeline design information given in the application and/or on the data sheet is complete and correct:
- . 1. Product to be transported: _
 - 2. Pipeline, riser, and subses valve assembly specifications: (1) Size I. .281 Wall Thickness Weicht. (2) Size _____ Wall Thickness _____ Grade ___ _Weight _
 - (3) Size _____ Wall Thickness _____ Grade ___ __ Weight _____ lbs/ft.

_ Bs/ft.

- b. Riser: Vall Thicknes (1) **Size**
 - (2) Size _____ Wall Thickness _____ Grade _____ Weight _____ Ibs/ft.
 - (3) Size _____ Wall Thickness _____ Grade _____ Weight ____ _ Ibs/ft.
- c. Subsea valve assembly:
 - (1) Size _____ Wall Thickness _____ Grade _____ Weight _____ Ibs/ft.
 - (2) Size _____ Wall Thickness _____ Grade _____ Weight _____ Ibs/ft.

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	Water depth: Maximum Minimum d. +
	Type of corrosion protection:
	a. Impressed current system
	b. Sacrificial anode system
	(1) Type of anode <u>talualum</u>
	(2) Spacing interval <u>320</u> ft.
	(3) Weight of unit anode given by applicant bs. ca.
	c. If platform anodes are used, are they considered adequate?
	Yes No
	d. If pipeline anodes are used:
	Formula: $Le_{p/1} = 3.82 \times 10^4 \times W^0/DIR = $
,	W ^o = Weight of Anode unit (lbs) D = Dia. of pipe (inches) I = Separation between anodes (ft.) R = the following lbs/amp/year (Rate of Consumption) Aluminum or Galvalum = 7.6 Zinc = 26 Magnesium = 17.5
	Does the calculated life expectancy equal or exceed 20 years?
	Yes No
5.	Description of protective coating: a. Pipetine 12 to 14 mils epoxy b. Pipetine 1/2 " neoprene
<u> </u>	e Subme metre emerable 12 to 15 hours
4	
	D. DENSITY OF CONCRETE
/	
	G. TRICKNES OF SSPRAIL
 1 .	Calculate the specific gravity (one of the following formulae may be used)

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____ a. For epoxy coating: SG = 2.865W/D²

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. c. Lines with a specific thickness of concrete:

$$SG = \frac{RC}{R} + \frac{K_2}{(T-K_1)^2} + \frac{W+P}{K_3} = \frac{RC}{R}$$

. d. Lines having two costings of enamel and a felt wrap, or only apphaltmastic costing:

fittings are as follows:

Where:

SG = specific gravity RC = density of concrete (Ib/cs. ft.) $K_1, K_2, K_3 = coefficients$ T = thickness of concrete costing (inches) W = weight of bare pipe (Ib/ft) P = weight of costing R = density of fluid material (Ib/cu. fl.); i.e., see water = 64 Ibs/cu. ft. D = diameter of pipe (inches) A = cross-sectional area 8. Given specific gravity 9. Grevity or density of product(s) 000_10. Design capacity of pipeline 11. Given Hydrostatic Test Pressure: Line Pipe Hold Time Preinstallation Test _____ Riser _____ Hold Time _____ hrs. Recommended maximum hydrostatic body test for ANSI valves, flanges, and

> ANSI 300 - 1,100 paig ANSI 400 - 1,450 paig ANSI 600 - 2,175 paig ANSI 900 - 3,250 paig ANSI 1,500 - 5,400 paig



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D. Installation Requirements:

1. All pipelines will be installed or hid to a minimum of three fort below the level of the mudline out to and including the 200 foot water depth, except at mineline crossings. Any deviation must be justified at the time of application.

_ 2. All valves and taps must be provided with a minimum of three fort of actual cover either with soil or andbags or jetted to a minimum of three feet below the mudline. If Am 5 approved valve protection covers are used, the valves and taps are NOT required to have a minimum of three feet of actual cover or jetted three feet below the mudline. However, the top of the valve protection cover shall not protrude above the level of the mudline. Any deviation must be justified at the time of application.

E. Pipeline Crossings:

- 1. All pipeline crossings in water depths up to and including 200 feet shall be cement-bagged with a minimum of 18 inches between the lines with the appermost line having a minimum of 3 feet of cover in the form of coment bags installed so as to provide a three foot horizontal to a one foot vertical (3:1) alope with a crown width that is one and one-half (1%) times the pipe diameter. Any deviation must be justified at the time of application.
 - . 2. All pipeline crossings in water depths greater than 200 feet shall be coment bagged with a minimum of 18 inches between the lines and installed so as to provide a three foot horizontal to a one foot vertical (3:1) slope. Any deviation must be justified at the time of application.
- F. Construction Information:
 - 1. Proposed construction commencement date Sept 1, 1990

- _____ 3. Method of burial
- 4. Time required to by pipe 2 to 3 days 5. Time required to complete project 4 to 5 days
- G. Applicant complies with current OCS pipeline guidelines:

_ No _ Yes _____

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August 30, 1990

- Regional Supervisor, Field Operations, GOM OCS Region To: (MS 5200)
- From: Regional Supervisor, Leasing and Environment, GOM OCS Region (MS 5400)
- National Environmental Policy Act Review for Pipeline Subject: Right-of-Way Application OCS-G 12342 and 12343

Our National Environmental Policy Act (NEPA) review of the subject action is complete. Environmental protective measure(s), if any, identified to avoid or mitigate potential impacts associated with the action were included as part of the NEPA analysis and are shown on the Categorical Exclusion Review (CER).

J. Kenneth Adams

Attachment

cc: Pipeline File OCS-G 12342 and 12343 (MS 5440)

United States Department of the Interior Minerals Management Service Gulf of Mexico OCS Region

NEPA CATEGORICAL EXCLUSION REVIEW

The Categorical Exclusion Review (CER) evaluated the proposed action(s) and determined that it meets the categorical exclusion criteria as defined by 516 DM 2.3A(1) which states "(a) The action or group of actions would have no significant effect on the quality of the human environment, and (b) The action or group of actions would not involve unresolved conflicts concerning alternative uses of available resources." The exclusion of this activity from future environmental analysis is conditioned on the imposition of the following mitigative measure(s). These measures are to ensure environmental protection, consistent environmental policy, and safety as required by the NEPA.

Environmental Protective Measures

The following measure was identified in the plan/application by the lessee/operator submitting the proposal: None.

The measures identified by MMS during the plan/application review or in the lease stipulation were:

The unidentified magnetic anomalies or side-scan sonar contacts listed below may represent archaeological resources. In accordance with NTL No. 75-3 (Revision No. 1, Enclosure No. 3), the applicant will either determine that the potential archaeological resources do not have historic significance, or they will avoid them when conducting proposed activities as indicated by the avoidance criteria below:

<u>Blocks</u>	<u>Line No.</u>	<u>Shot Point</u>	<u>Amplitude</u>	<u>Avoidance Criteria</u>
273	10	23.59	16	152m (500 ft)

Should the company choose to use divers to investigate the anomaly to determine if it is of historic significance, they must notify the MMS two weeks in advance so that the MMS can have a representative on site for monitoring purposes.

Our analyses indicate the following as potential hazards to the proposed activities. Therefore, precautions in accordance with NTL No. 83-3, Section IV.B, will be taken prior to conducting operations.

Pipelines

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<u>Name</u>	<u>Diameter</u> (inches)	<u>Block</u>	Area
S.N.G.	24-inch	292	Main Pass - crosses pro-
S.N.G.	24-inch	291	Main Pass

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The proposed action was evaluated and reviewed against the CER exception criteria defined by 516 DM 2.3.A(3). With inclusion of the above mitigation, it does not represent an exception to the categorical exclusions. Therefore, preparation of an EA is not required.

8/30/90 Comiduborde Phan ite Preparer - 8/30/90 Date Date Chief, Environmental Operations Section I concur. w

Regional Supervisor, Leasing and Environment

8-20-90 Date