

G-26914 15252
MICRO

14 DEC 2005

In Reply To: MS 5232

Mr. David A. Kerstein
Helis Oil & Gas Company, L.L.C.
228 St Charles Avenue
Suite 912
New Orleans, Louisiana 70130

Dear Mr. Kerstein:

Reference is made to the following application that has been reviewed by the Minerals Management Service:

Application Type: New Right-of-Way Pipeline

Application Date: July 28, 2005

Supplemental Data Date(s): November 2, 2005, November 7, 2005, November 17, 2005, December 12, 2005

Work Description: Create 200-foot wide right-of-way and install, operate, and maintain the following:

One 4-inch pipeline 2.73 miles in length with associated umbilical to transport bulk gas from Vermilion Block 338 Well No. 1 to Vermilion Block 329 A.

Assigned Right-of-Way Number: OCS-G26914

Assigned Segment Number: 15252

Umbilical Segment Number: 15486

Pursuant to 43 U.S.C. 1334(e) and 30 CFR 250.1000(d), your application is hereby approved.

The approval is subject to the following:

Our review indicates that the routes to be taken by boats and aircraft in support of your proposed activities are located in or could traverse the Military Warning Area W-59. Therefore, please be advised that you will contact the Naval Air Station-JRB 159 Fighter Wing, 400 Russell Avenue, Building 285, New Orleans, Louisiana 70143-0027 [(504) 391-8696 or (504) 391-8697; fax (504) 391-8671] concerning the control of electromagnetic emissions and use of boats and aircraft in Military Warning Area W-59.

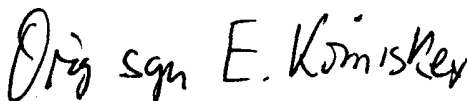
Your request to use navigational positioning equipment to comply with Notice to Lessees and Operators No. 98-20, Section IV.B, is hereby approved.

Assigned MAOP (psi): 10000

MAOP Determination : Valves, Flanges, Hydrostatic Test Pressure

Please be reminded that, in accordance with 30 CFR 250.1008(a), you must notify the Regional Supervisor at least 48 hours prior to commencing the installation or relocation of a pipeline or conducting a pressure test on the pipeline. Commencement notification(s) should be faxed to (504) 736-2408. In accordance with 30 CFR 250.1008 (b), you are reminded to submit a report to the Regional Supervisor within 90 days after completion of any pipeline construction. Also in accordance with a Letter to Lessees dated April 18, 1991, a copy of the as-built plat(s) must be submitted to the National Ocean Service, N/CS26 Room 7317, 1315 E-W Highway, Silver Spring, MD 20910-3282

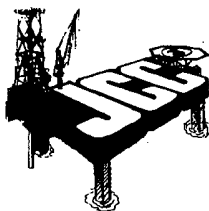
Sincerely,

A handwritten signature in dark ink, appearing to read "Don C. Howard", written in a cursive style.

Donald C. Howard
Regional Supervisor
Field Operations

bcc: 1502-01 Segment No. 15252, 15486 ROW OCS-G26914 (MS 5232)
1502-01 ROW OCS-G26914 (Microfilm) (MS 5033)
MS 5271 Lake Charles District w/flow schematic
MS 5232 Cartography

J. Connor Consulting, Inc.



Amr 4

MG
15252
Micko

DOCUMENT TRANSMITTAL

TO: Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394
MS 5232

Minerals Management Service
RECEIVED
DEC 13 2005
Office of Field Operations
Pipeline Section

ATTENTION: Manny Gagliano
REGARDING: Helis Oil & Gas Company, L.L.C.
VR 338 #3 to VR 329 A 4" Bulk Gas ROW
Segment 15252, ROW OCS-G 26914

(X) We are sending you the following document(s)

NO. OF COPIES	DESCRIPTION
1	Revised Safety Flow Schematic/Location Plats

THESE ARE FOR THE PURPOSE INDICATED BELOW:

- | | |
|---|---|
| <input type="checkbox"/> For Signature and Forwarding | <input type="checkbox"/> For Revision as Needed |
| <input checked="" type="checkbox"/> For Review and Handling | <input type="checkbox"/> For Execution |


REMARKS: Manny,
Per your request, please find attached a revised safety flow schematic, revised location plat and diskette.

The safety flow schematic has been revised to show the flow direction of the pipeline and the FSV and the location plat has been revised to show the pipeline and umbilical being laid together.

Due to the water depth being greater than 200', the pipeline will not be buried 3 feet below the mudline.

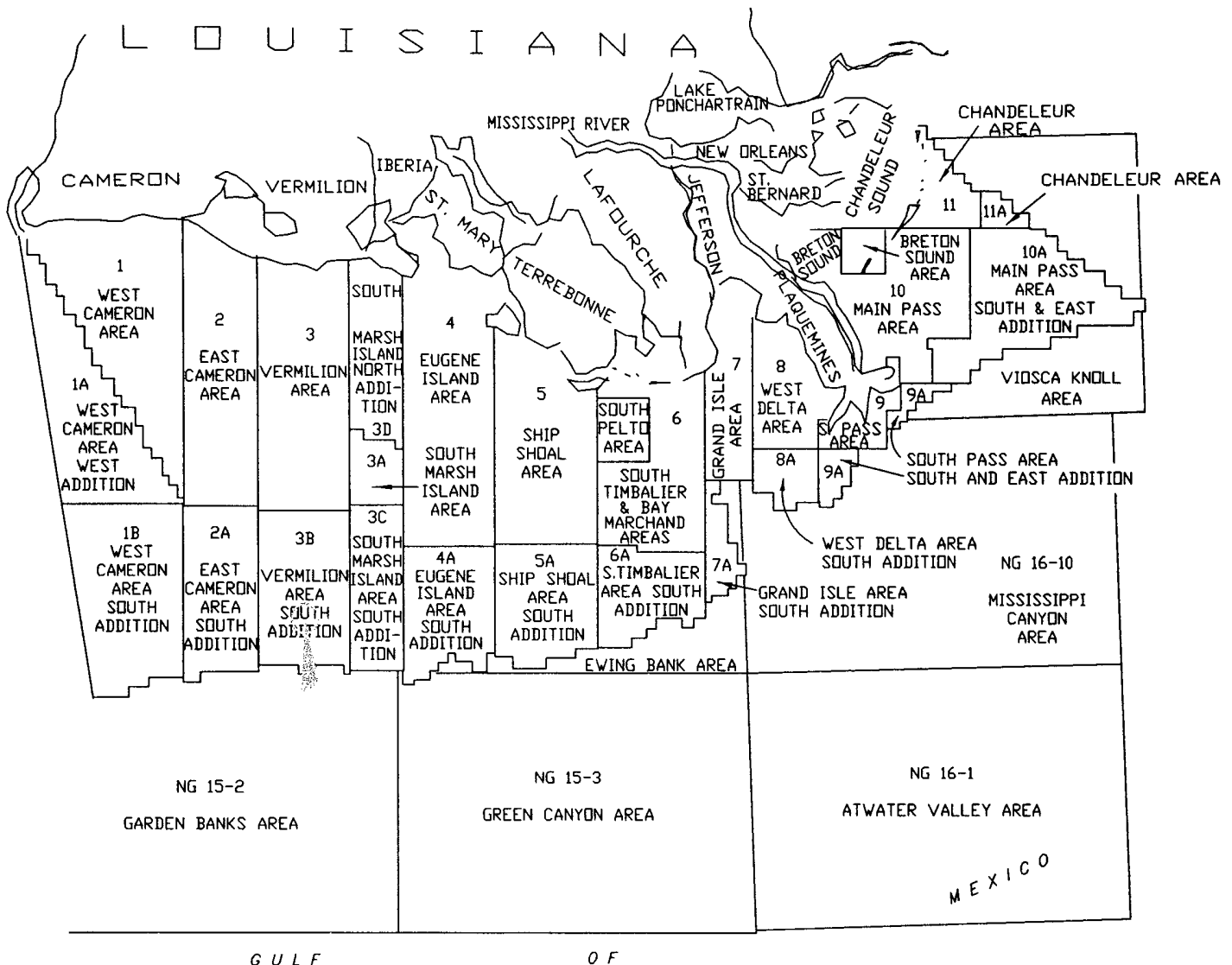
If you have any questions or need any additional information, please call me at 281/578-3388.

Thank you for your help in this matter.


Signed Patty Brewer

LOUISIANA GULF COAST INDEX
M.M.S. O.C.S. LEASING AREAS

April 4 15252
M102



PROPOSED 4" BULK GAS
PIPELINE & 1.6" UMBILICAL

WELL NO. 1 BLOCK 38 TO PLATFORM 'A'
BLOCK 329 VERMILION AREA, SOUTH ADDITION

VICINITY MAP

TESLA OFFSHORE, LLC

PROPOSED 4" BULK GAS PIPELINE & 1.6" UMBILICAL
WELL No. 1 BLOCK 38 TO PLATFORM 'A'
BLOCK 329 VERMILION AREA, SOUTH ADDITION
GULF OF MEXICO

DATUM: NAD 27

PROJECTION: LAMBERT

SPHEROID: CLARKE 1866

ZONE: LOUISIANA SOUTH



TESLA OFFSHORE, LLC

36499 Perkins Road Prairieville, Louisiana 70769
Tel: 225-673-2163 Fax: 225-744-3116

DRAWN BY: JPP

DATE: 07/20/05

JOB No.: 05-215

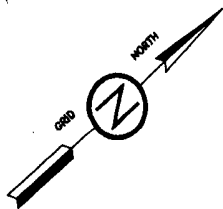
DRAWING No.: 05-215 PERM

REV. No.:

REV. DATE: 12/8/05

SCALE: AS NOTED

SHEET 1 OF 2



X = 1,662,140.22

Y = -154,674.72

338
OCS-G 02877

HELIS OIL & GAS COMPANY, L.L.C. (S/2)
STONE ENERGY CORPORATION (N/2)

329
OCS-G 02876
STONE ENERGY CORPORATION

STA. 125+46.18
BLOCKLINE CROSSING
X = 1,670,684.55

12" STONE ENERGY
SEG 4997

6" SHELL
SEG 4650

FLOW →

PROPOSED 4" BULK GAS
PIPELINE & 1.6" UMBILICAL

TOTAL LENGTH = 14,426.86' ± 1.7' ± 1.7'
± 78 NAUTICAL MILES TO SHORE

STA. 0+00
WELL NO. 1

X = 1,662,676.28
Y = -164,332.58
LAT. = 28° 12' 38.127"N
LONG. = 92° 22' 48.832"W

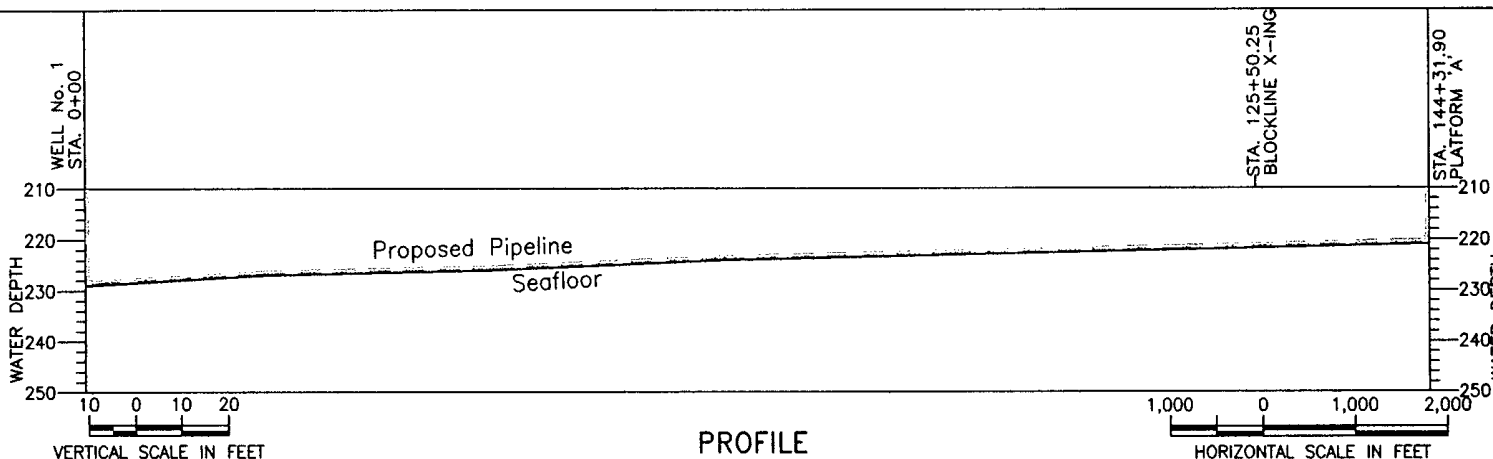
STA. 144+31.90
PLATFORM 'A' (RISER)

X = 1,671,885.00
Y = -153,227.00
LAT. = 28° 14' 28.862"N
LONG. = 92° 21' 07.054"W

8" DUKE
SEG 12041

1,000 0 1,000 2,000
SCALE IN FEET

PLAN



PROFILE

CERTIFIED CORRECT AS TO HORIZONTAL
POSITION OF PROPOSED PIPELINE



REG. PROFESSIONAL LAND SURVEYOR NO. 4829
STATE OF LOUISIANA

R/W LIMITS

100'

PROPOSED PIPELINE

R/W LIMITS

RIGHT-OF-WAY LIMITS
NOT TO SCALE

Helis Oil & Gas Company, L.L.C.

PROPOSED 4" BULK GAS PIPELINE & 1.6" UMBILICAL
WELL No. 1 BLOCK 338 TO PLATFORM 'A'
BLOCK 329 VERMILION AREA, SOUTH ADDITION
GULF OF MEXICO

DATUM: NAD 27

PROJECTION: LAMBERT

SPHEROID: CLARKE 1866

ZONE: LOUISIANA SOUTH



TESLA OFFSHORE, LLC

36499 Perkins Road Prairieville, Louisiana 70769
Tel: 225-673-2163 Fax: 225-744-3116

DRAWN BY: JPP

DATE: 07/20/05

JOB No.: 05-215

DRAWING No.: 05-215 PERM

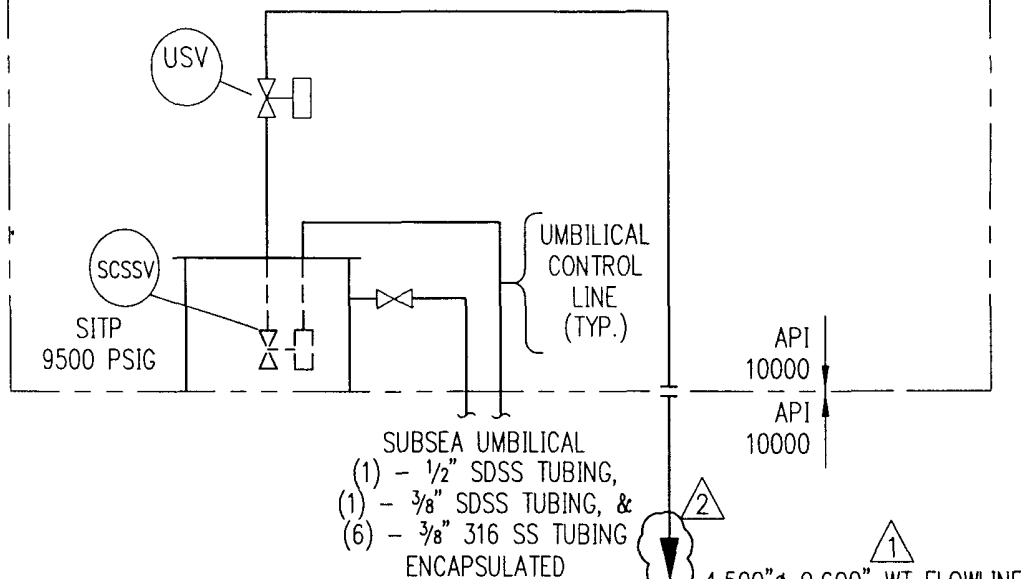
REV. No.:

REV. DATE: 12/8/05

SCALE: AS NOTED

SHEET 2 OF 2

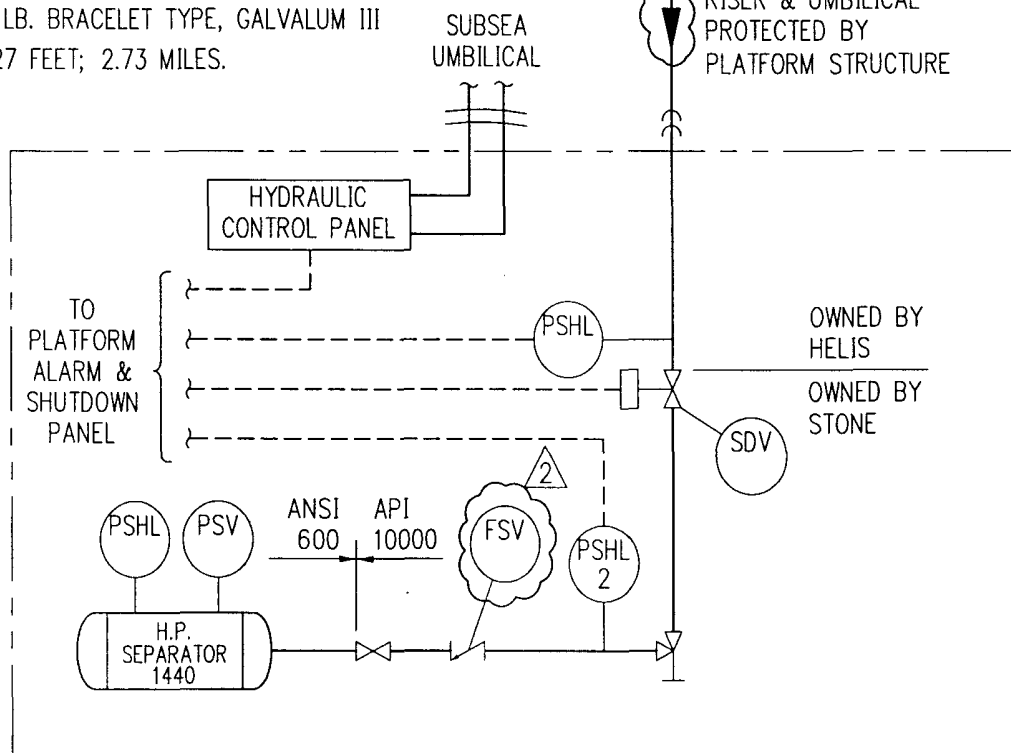
HELIS OIL & GAS/STONE ENERGY
VERMILION 338, No. 1
SUBSEA WELLHEAD
OCS-G-02877



NOTES

1. THIS FLOWLINE COMPLIES WITH DEPARTMENT OF INTERIOR SUBPARTS H & J PART 250, TITLE 30, OF THE CODE OF FEDERAL REGULATIONS.
2. PSH AND PSL SENSORS SHALL BE SET NO MORE THAN 15% OR 5 PSIG, WHICH EVER IS GREATER, ABOVE & BELOW THE NORMAL OPERATING RANGE OF THE FLOWLINES. THE PSH SETTING SHALL NOT EXCEED THE FLOWLINE MAOP.
3. ANODES WILL BE ALUMINUM, 24 LB. BRACELET TYPE, GALVALUM III
4. TOTAL PIPELINE LENGTH = 14,427 FEET; 2.73 MILES.
5. FLOWLINE MAOP = 9980 PSIG.

STONE ENERGY
VERMILION 329 "A"
PRODUCTION PLATFORM
OCS-G-02876



PINNACLE ENGINEERING, INC.
HOUSTON, TEXAS

HELIS OIL & GAS COMPANY, L.L.C.

REV.	DATE	DESCRIPTION	APPR.	VERMILION 338, No. 1 TO VERMILION 329 "A"		
0	7/26/05	ISSUED FOR PERMIT	PAC	SCHEMATIC FOR 4.500" O.D. BULK GAS PIPELINE		
1	10/27/05	RE-ISSUED FOR PERMIT	PAC			
2	12/08/05	ADDED FLOW ARROWS & FSV CALL-OUT	PAC	JOB NO. 171000	DWG NO. 901	REV. 2

MWD

MG

15252
Ambl #3 (Row check)DOCUMENT TRANSMITTAL

TO: Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394
MS 5232

DATE: November 17, 2005

ATTENTION: Manny Gagliano
REGARDING: Helis Oil & Gas Company, L.L.C.
VR 338 #3 to VR 329 A 4" Bulk Gas ROW
Segment 15252, ROW OCS-G 26914

(X) We are sending you the following document(s)

NO. OF COPIES	DESCRIPTION
1	Replacement Check for Application Fee

THESE ARE FOR THE PURPOSE INDICATED BELOW:

- | | |
|---|---|
| <input type="checkbox"/> For Signature and Forwarding | <input type="checkbox"/> For Revision as Needed |
| <input checked="" type="checkbox"/> For Review and Handling | <input type="checkbox"/> For Execution |
| <input type="checkbox"/> For Your Files | |

REMARKS: Manny,
Per your request, please find attached a replacement check for the subject pipeline application submitted to MMS July 28, 2005. Subsequently, by letter dated November 2, 2005, Helis submitted an amendment to this application.

If you have any questions or need any additional information, please call me at 281/578-3388.

Thank you for your help in this matter.

Minerals Management Service

RECEIVED

CK# 030496
11/17/05

Signed

Patty Brewer NOV 18 2005

**Office of Field Operations
Pipeline Section**

030496

J. CONNOR CONSULTING, INC.

REFERENCE NO.	DESCRIPTION	INVOICE DATE	INVOICE AMOUNT	DISCOUNT TAKEN	AMOUNT PAID
08700/VR33		11/17/05	2,395.00		2,395.00
CHECK DATE	CHECK NO.	PAYEE		DISCOUNTS TAKEN	CHECK AMOUNT
11/17/05	30496	MINERALS MANAGEMENT SERV.			\$2,395.00

030496

J. CONNOR CONSULTING, INC.

16225 PARK TEN PLACE, SUITE 700
HOUSTON, TEXAS 77084-5152
(281) 578-3388

STERLING BANK
3100 RICHMOND AVENUE
HOUSTON, TEXAS 77098

Memo:

CHECK NO.
30496

DATE
Nov 17, 2005

AMOUNT
*****\$2,395.00

PAY TO THE ORDER OF: Two Thousand Three Hundred Ninety-Five and 00/100 Dollars
MINERALS MANAGEMENT SERV.
1201 ELMWOOD PARK BLVD
NEW ORLEANS, LA 70123-2394

Cathy Brock
AUTHORIZED SIGNATURE

⑈030496⑈ ⑆113001271⑆ ⑈242117935⑈

Amend No. 1

SN
15252

Amend 2

DOCUMENT TRANSMITTAL

NOV. 7, 2005

TO: Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394
MS 5232

DATE: November 5, 2005

ATTENTION: Manny Gagliano
REGARDING: Helis Oil & Gas Company, L.L.C.
VR 338 #3 to VR 329 A 4" Bulk Gas ROW

Minerals Management Service
RECEIVED

NOV 14 2005

(X) We are sending you the following document(s)

Office of Field Operations
Pipeline Section

NO. OF COPIES	DESCRIPTION
1	Copy of Subject pipeline application

THESE ARE FOR THE PURPOSE INDICATED BELOW:

- | | |
|----------------------------------|----------------------------|
| () For Signature and Forwarding | () For Revision as Needed |
| (X) For Review and Handling | () For Execution |
| () For Your Files | |

REMARKS: Manny,
Per your request today, please find attached three copies of Helis' subject pipeline application submitted to MMS July 28, 2005. Subsequently, by letter dated November 2, 2005, Helis submitted an amendment to this application.

Also, as requested, Pinnacle Engineering is ordering 2 CD's of the Hazard Survey (including all maps) which will be submitted under separate cover as soon as I receive them.

If you have any questions or need any additional information, please call me at 281/578-3388.

Thank you for your help in this matter.

Patty Brewer
Signed _____ Patty Brewer

Ref: 08700/VR338/ROW Date: 11/03/2005
Dep: CATHY THORNTON Wgt: 0.9 LBS

DV:

SHIPPING: 13.57
SPECIAL: 2.10
HANDLING: 0.00
TOTAL: 15.67

Svcs: STANDARD OVERNIGHT
TRCK: 6629 0284 0214

Manny,
Enclosed are
the CD's you
requested.
Patty

**7660 WOODWAY, SUITE 350
HOUSTON, TEXAS 77063
PHONE (713) 784-1005
FAX (713) 784-0455**

RECEIVED

NOV 14 2005

**Office of Field Operations
Pipeline Section**

CLIENT: HELIS OIL & GAS COMPANY
PROJECT: VR 338, NO. 1 TO VR 329 "A"
PROJECT NO: 171000
PAGE: 1 of 1

FROM: Pete Cruz		DOCUMENT TRANSMITTAL NO.: 003		
		DATE: 11/04/05		
Purpose:		Method transmitted:		
Pipeline Permit		Courier		
COPIES	SIZE/ TYPE	DWG. #	REV.	TITLE AND / OR DESCRIPTION
2	CD	--	--	VR 338 Pipeline Shallow Hazard Survey
REMARKS:				
COPY:	PAC t/o,	/kmc	File:	171000-1.1, 4.4

State of Louisiana



KATHLEEN BABINEAUX BLANCO
GOVERNOR

SCOTT A. ANGELLE
SECRETARY

DEPARTMENT OF NATURAL RESOURCES OFFICE OF COASTAL RESTORATION AND MANAGEMENT

August 24, 2005

Bart. J. Walker
Helis Oil & Gas Company LLC
228 St. Charles Ave, Suite 912
New Orleans, LA 70130

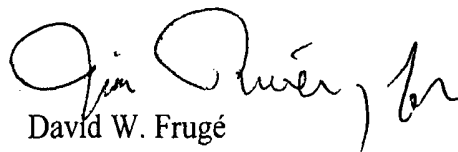
RE: **C20050420**, Coastal Zone Consistency
Helis Oil & Gas Company LLC
Minerals Management Service
Federal License or Permit
Installation of an 4-inch Bulk Gas Right-of-Way pipeline from Vermilion 338 Well No. 1
to Vermilion 329 Platform A, Gulf of Mexico, **Offshore Louisiana**

Dear Mr. Walker:

The above referenced project has been reviewed for consistency with the approved Louisiana Coastal Resources Program (LCRP) as required by Section 307 of the Coastal Zone Management Act of 1972, as amended. The project, as proposed in the application, is consistent with the LCRP.

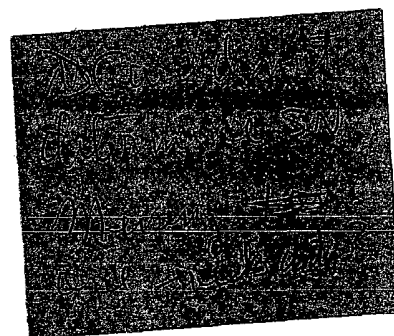
If you have any questions concerning this determination please contact Brian Marcks of the Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,


David W. Frugé
Administrator

DWF/JDH/bgm

cc: ~~Alex Alvarado, MMS Pipeline Section~~
Cathy Thornton, J. Connor Consulting
Bonnie Johnson, MMS 5412
Ronnie Duke, NOD-COE



15252
G26914
MICRO

HELIS OIL & GAS COMPANY, L.L.C.

228 ST. CHARLES AVENUE, SUITE 912
NEW ORLEANS, LOUISIANA 70130

Telephone:
(504) 523-1831

Facsimile:
(504) 522-6486

July 28, 2005

Minerals Management Service
RECEIVED

NOV 08 2005

Office of Field Operations
Pipeline Section

Mr. Donald C. Howard
Regional Supervisor
U. S. Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

Attention: Mr. Alex Alvarado

RE: Application for 4-inch Bulk Gas Right-of-Way Pipeline with Associated Umbilical To Be Installed In and/or Through Blocks 338 and 329, Vermilion Area, OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

Pursuant to the authority granted in Section 5 (e) of the Outer Continental Shelf Lands Act (43 U.S.C. 1331 et seq, P.L. 212, 67 Stat. 462), as amended (P.L. 95-372, 92 Stat. 629), and in compliance with the regulations contained in Title 30 CFR, Part 250, Subpart J, Helis Oil & Gas Company, L.L.C. (Helis) is filing this application in quadruplicate (original and three copies) for a right-of-way easement two hundred feet (200') in width for the construction, maintenance and operation of an 4-inch bulk gas right-of-way pipeline to be installed in and/or through Blocks 338 and 329, Vermilion Area, Offshore, Louisiana. Helis agrees that said right-of-way and umbilical, if approved, will be subject to the terms and conditions of said regulations.

The proposed 4-inch bulk gas right-of-way pipeline will originate at Helis' existing Subsea Well No. 001, Vermilion Block 338, Lease OCS-G 02877 and proceed in a northeasterly direction approximately 14,427' feet (2.73 statute miles) to Stone Energy Corporation's (Stone's) existing Platform A located in Vermilion Block 329, Lease OCS-G 02876.

The subject pipeline has a calculated worst case discharge of less than 1000 barrels, therefore, Oil Spill Financial Responsibility coverage is not required.

Minerals Management Service
4-inch Bulk Gas ROW Pipeline
Blocks 338 and 329, Vermilion Area
July 28, 2005

Page Two

Helis will review our Regional Oil Spill Response Plan to determine if installation of the subject right-of-way pipeline affects the current worst case discharge, and, if applicable, will modify the plan to include the pipeline at the next scheduled update.

Installation of the proposed pipeline will be accomplished by utilizing a typical lay/bury barge(s). The pipeline will be jetted to a minimum of 3 feet below the mudline. There are no pipeline crossings along the proposed route.

Helis hereby requests a waiver from NTL 98-20, Section IV.B, which requires the buoying of all existing pipeline(s) and other potential hazards located within 150 meters (490) feet of the proposed operations. Utilizing the on-board graphic system during construction operations, Helis will comply with the recommended avoidance criteria of the magnetic anomalies identified in Tesla Offshore's Proposed Pipeline Route Survey dated July, 2005.

Side scan sonar depict an acoustically fine-textured seafloor with multiple rig and anchor scars around the well and platform. Sonograms recorded several important seafloor installations (well, platform and pipelines) that should be carefully observed during construction. Magnetometer data confirmed the location of the well, platform, and pipelines. Nine (9) magnetic anomalies did not correlate directly to those identified sources. Sonograms did not record seafloor targets in the vicinity of any of the unidentified anomalies; therefore, none can be positively identified from these survey data. All of the anomalies probably represent point-source ferromagnetic debris lying on or buried immediately beneath the seafloor.

The proposed construction operations will be supported by a crewboat and tug, each making approximately three (3) trips per week, respectively, from an onshore facility located in Fourchon, Louisiana.

Helis anticipates commencing installation on approximately December 15, 2005, with an overall completion of project time being estimated at fifteen days.

Helis Oil & Gas Company, L.L.C. will be the operator of the subject right-of-way pipeline.

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

Minerals Management Service
4-inch Bulk Gas ROW Pipeline
Blocks 338 and 329, Vermilion Area
July 28, 2005

Page Three

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 assuring 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, we expressly agree 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, we 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 as to its preservation.

In accordance with applicable regulations, we have forwarded information regarding the proposed project by certified mail, return receipt requested, to each designated oil and gas lease operator, right-of-way or easement holder whose lease, right-of-way or easement is so affected. A list of such designated operators, right-of-way or easement holders is included as Attachment A and copies of the return receipts showing date and signature as evidence of service upon such operators, right-of-way or easement holders will be forwarded to your office when received.

In order to expedite the permit process, we have requested a letter from the operator, 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 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 as set forth in Title 30 CFR 250 (Subpart J) and that certain Letter to Lessees dated April 18, 1991.

The risers at the respective platforms will be protected by riser guards or inside the jacket framing.

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

Minerals Management Service
4-inch Bulk Gas ROW Pipeline
Blocks 338 and 329, Vermilion Area
July 28, 2005

Page Four

1. Originally signed copy of Nondiscrimination in Employment Stipulation is attached to each copy of the application.
2. Designated Oil & Gas Lease Operators and Right-of-Way Holders (Attachment A)
3. General Information and Calculations for Design and Construction of 4-inch Bulk Gas Pipeline
4. Coastal Zone Management Consistency Certification and copy of pipeline application submittal letter to CZM for each affected Gulf state
5. Calculations for Regional Oil Spill Response Plan/Oil Spill Financial Responsibility
6. Vicinity and Route Map
7. Pipeline Safety Flow Schematic
8. Riser Elevation Detail
9. MMS Right-of-Way pipeline application spreadsheet
10. 4 copies plus diskette of the High Resolution Geophysical Survey Report prepared by Tesla Offshore, LLC dated July, 2005
11. Check in the amount of \$2395.00 covers the application fee of \$2350 plus \$15 for the first year rental on 2.73 miles of right-of-way

Contact on technical points or other information:

Cathy Thornton or Patty Brewer
J. Connor Consulting, Inc.
16225 Park Ten Place, Suite 700
Houston, Texas 77084
(281) 578-3388

Minerals Management Service
4-inch Bulk Gas ROW Pipeline
Blocks 338 and 329, Vermilion Area
July 28, 2005

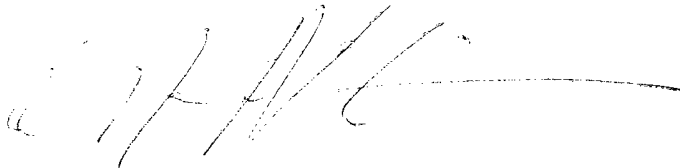
Page Five

Helis Oil & Gas Company, L.L.C. 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."

Please refer to your New Orleans Miscellaneous File No. 01978 for a copy of a resolution approved by the Board of Directors authorizing the undersigned to sign for and on behalf of Helis Oil & Gas Company, L.L.C. Additionally, the Helis Oil & Gas Company, L.L.C. has an approved \$300,000 Right-of-Way Grant Bond on file with MMS, covering installation of right-of-way pipelines in Federal Waters, Gulf of Mexico.

Sincerely,

Helis Oil & Gas Company, L.L.C.

A handwritten signature in dark ink, appearing to read 'D. A. Kerstein', with a long horizontal flourish extending to the right.

David A. Kerstein
President and Treasurer of Helis Energy, Inc.,
Manager of Helis Oil & Gas Company, L.L.C.

DAK:pb

Attachments and Enclosures

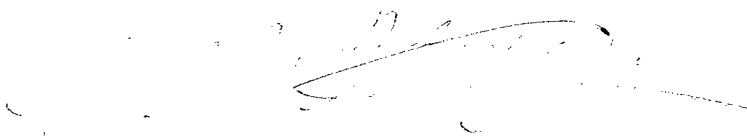
cc: Stone Energy Corporation
Attention: Bill Claibourne
625 East Kaliste Saloom Road
Lafayette, Louisiana 70508
(Certified Mail No. 7003 2260 0003 0200 4843)

NONDISCRIMINATION IN EMPLOYMENT

As a condition precedent to the approval of the granting of the subject pipeline right-of-way, the grantee, Helis Oil & Gas Company, L.L.C. hereby agrees and consents to the following stipulation, which is to be incorporated into the application for said right-of-way.

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

July 28, 2005

Date

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.

VERMILION AREA

BLOCK 338

Helis Oil & Gas Company, L.L.C.	OCS-G 02877	Oil & Gas Lease
---------------------------------	-------------	-----------------

BLOCK 329

Stone Energy Corporation	OCS-G 02876	Oil & Gas Lease
--------------------------	-------------	-----------------

HELIS OIL & GAS COMPANY, LLC
4" Bulk Gas Pipeline
Vermilion 338, No. 1
to Vermilion 329 "A"
Rev. 0, 7/26/05

PIPELINE DESIGN INFORMATION

I. Pipeline and Riser Description

A. Nominal Pipeline:

Size:	4.500 Inch
Wall Thickness:	0.531 Inch
Grade:	API 5L Gr. X60 , Seamless
Length:	14,427 Feet, 2.73 Miles
Bare Weight:	22.51 lbs/ft
Protection Coating Type and Thickness:	Fusion Bonded Epoxy; 12-14 mils
Weight Coating:	None
Specific Gravity of Pipe in Seawater (empty):	3.18

B. Riser:

Size:	4.500 Inch
Wall Thickness:	0.674 Inch
Grade:	API 5L Gr. X60 , Seamless
Bare Weight:	27.54 lbs/ft
Protection Coating Type and Thickness:	
- Below Splash Zone:	Fusion Bonded Epoxy; 12-14 mils
- In Splash Zone:	Splashtron Coating; ½ Inch
- Above Splash Zone:	Fusion Bonded Epoxy; 12-14 mils and/or a three coat paint system; 12 mils DFT.
Weight Coating:	None

II. Cathodic Protection System

The pipeline will be protected by sacrificial anodes as described below. The pipe between the riser insulating flanges will be protected by the pipeline cathodic protection system. The riser clamps will be insulated from the riser by a neoprene coating installed on the inside of the clamps. Above the insulating flange, the riser is protected by a thin film epoxy coating system and the platform cathodic protection system.

Pipeline and Riser Sacrificial Anodes System:

Design Life:	40 yrs.
Type of Anode:	Galvalum III
Spacing Interval:	500 ft.
Output:	1150 Amps - hrs./lb.
Efficiency:	0.85
Current Density:	2 ma/sq. ft.
% Assumed Bare Pipe:	5%
Minimum Required Weight of Anode:	N/A

$$\# = (.002) (3.14159) (4.500) (500) (.05) (40) (365) (24) / (1150) (12) (.85) = 21.1 \text{ lbs.}$$

Use one (1) 24# net weight anode every 500 feet.

III. Water-Depth for Pipeline:

The water depth along the pipeline is approximately (-)228 feet.

IV. Description of Internal Protective Measures:

Internal Coating:	None
Corrosion Inhibitor Program:	As necessary
Pigging Program:	A Pigging Schedule has not been defined, however, depending on the analysis of the transported product, a program will be initiated as necessary.

V. Riser Protection

At Vermilion 329 "A" the riser will be protected by a riser guard.

VI. Specific Gravity of the Empty Pipe Based on Seawater:

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

$$\text{S.G.} = \frac{(W_P + W_{\text{CONC}})}{W_{\text{H}_2\text{O}}}$$

Where:

$$W_p = \text{Weight of the pipe (lbs/ft)} = 22.51$$

$$W_{\text{CONC}} = \text{Weight of concrete (lbs/ft)} = 0.00$$

$$W_{\text{H}_2\text{O}} = \text{Displaced weight of the seawater (lbs/ft)} = 7.07$$

The above weights are based on the pipe outside diameter and corrosion coating thickness and on the densities of the various materials which are listed below.

$$\text{Density of Pipe} = 490 \text{ lbs/ft}^3$$

$$\text{Density of Seawater} = 64 \text{ lbs/ft}^3$$

$$\text{The specific gravity of the pipeline} = 3.18$$

VII. Specific Gravity of the Product:

The specific gravity of the oil and gas to be transported is anticipated to be:

$$\text{S.G. (Gas)} = 0.65 \text{ (Air} = 1.0) @ T = 80 \text{ Degrees}$$

$$\text{S.G. (Oil)} = 0.85 \text{ (Water} = 1.0) @ T = 80 \text{ Degrees}$$

VIII. Design Capacity:

The design flowing capacity of the flowline is 20 MMSCFD and 500 BLPD. The total volume capacity of the pipeline is 166 bbls.

IX. Maximum Operating Pressure:

1. Calculations based on CFR, Title 30, Part 250, Subparts H and J.

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

$$P1 = \frac{2s(t-ca)(F)(E)(T)}{D}$$

Where:

- P = Pressure as 100% SMYS (psig)
 P1 = Internal Design Pressure (psig)
 s = Specified Minimum Yield Strength (SMYS) (psi)
 t = Pipe Wall Thickness in Inches
 ca = Corrosion Allowance (use 0.00")
 D = Pipe Outside Diameter in Inches
 (F) = Design Factor
 0.60 for Risers
 0.72 for Pipelines
 (E) = Joint Factor
 1.0 for Seamless Pipe
 (T) = Temperature Derating Factor
 1.0 for Operating Temperatures below 250 Degrees Fahrenheit

1) Pipeline: 4.500" OD x 0.531" W.T. API 5L Gr. X60

- a) $P = (2) (60,000) (0.531) / (4.500) = 14,160 \text{ psig}$
 b) $P1 = (2) (60,000) (0.531 - 0.00) (0.72) (1) (1) / 4.500 = 10,195 \text{ psig}$
 c) Hydrostatic Test Pressure = HTP
 Maximum HTP = $0.95 P = (0.95) (14,160) = 13,452 \text{ psig}$
 Minimum HTP will be 12,500 psig for 8 hour hold time
 Rated MAOP = $12,500 \text{ psig} / 1.25 = 10,000 \text{ psig}$
 d) Maximum Allowable Operating Pressure (MAOP) = 10,000 psig

2) Riser: 4.500" OD x 0.674" W.T. API 5L Gr. X60

- a) $P = (2) (60,000) (0.674) / (4.500) = 17,973 \text{ psig}$
 b) $P1 = (2) (60,000) (0.674 - 0.00) (0.60) (1) (1) / 4.500 = 10,784 \text{ psig}$
 c) Hydrostatic Test Pressure = HTP
 Maximum HTP = $0.95 P = (0.95) (17,973) = 17,075 \text{ psig}$
 Minimum HTP will be 12,500 psig for 8 hour hold time
 Rated MAOP = $12,500 \text{ psig} / 1.25 = 10,000 \text{ psig}$
 d) Maximum Allowable Operating Pressure (MAOP) = 10,000 psig

B. MAOP of Flange, Fittings and Valves:

1) Under Water:

API 10000 class = 10,000 psig

2) Platform Facilities (See Safety Schematic):

API 10000 class = 10,000 psig

C. Summary

This pipeline and riser will have an MAOP of 10,000 psig

X. Design Standard:

The design of the proposed pipeline is in accordance with the Department of Interior Subparts H & J Part 250, Title 30, of The Code of Federal Regulations.

XI. Construction Information:

A)	Anticipated Start Date:	December 15, 2005
B)	Method of Construction:	Lay Barge
C)	Method of Burial:	N/A
D)	Time Required to Lay Pipe:	4 Days
E)	Time Required to Complete the Project:	15 Days

COASTAL ZONE MANAGEMENT PROGRAM
CONSISTENCY CERTIFICATION

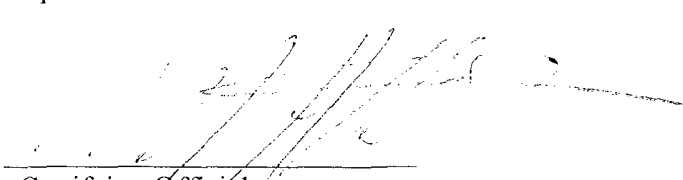
Vermilion Block 338
From (Area/Block)

Vermilion Block 329
To (Area and Block)

14,427' feet (2.73 miles)

The proposed activities described in detail in this right-of-way pipeline application comply with the enforceable policies of the State of Louisiana' approved Coastal Management Program and will be conducted in a manner consistent with such Program.

Helis Oil & Gas Company
Operator



Certifying Official

July 28, 2005
Date

HELIS OIL & GAS COMPANY, L.L.C.

228 ST. CHARLES AVENUE, SUITE 912
NEW ORLEANS, LOUISIANA 70130

Telephone:
(504) 523-1831

Facsimile:
(504) 522-6486

July 28, 2005

Louisiana Department of Natural Resources
Coastal Zone Management Division
617 North 3rd Street, Suite 1048
Baton Rouge, Louisiana 70802

Attention: Mr. Greg DuCote

RE: Application for 4-inch Bulk Gas Right-of-Way Pipeline
To Be Installed In and/or Through Blocks 338 and 329, Vermilion Area,
OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

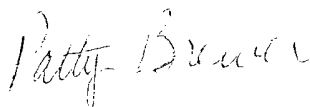
By letter dated July 28, 2005, Helis Oil & Gas Company, L.L.C. (Helis) submitted to the Minerals Management Service an application to install an 4-inch bulk gas right-of-way pipeline in Blocks 338 and 321, Vermilion Area, Offshore, Louisiana.

In accordance with Title 15 CFR 930.53 and further clarified in Notice to Lessees (NTL) 2002-G15, a copy of this pipeline application is hereby submitted for your review along with a check in the amount of \$300.00 to cover the cost of the processing fee for the proposed application.

Should you have any questions concerning this matter, please contact our regulatory representative, Cathy Thornton or Patty Brewer, J. Connor Consulting, Inc. at (281) 578-3388.

Sincerely,

Helis Oil & Gas Company, L.L.C.



for Bart J. Walker
Operations Manager

BJW:pb

Enclosure: Check No. 030082

HELIS OIL & GAS COMPANY, LLC
VR 338 #1 TO VR 329"A"
4" BULK GAS PIPELINE
OIL SPILL CALCULATION SHEET
WORST CASE DISCHARGE SCENARIO

A. DAILY FLOWRATES

GAS(mmscfd) 20
OIL (bpd) 500 = 0.005787 bbl/sec

B. LEAK RESPONSE TIME

Leak detection time (s) 30
Shut-in response (s) 90
Total response time 120 s = 0.033333 hours

C. DISCHARGE VOLUME DURING RESPONSE

VD1 = oil flow rate x total response time
VD1 = 0.694444 bbls

D. LEAKAGE AFTER SHUT IN

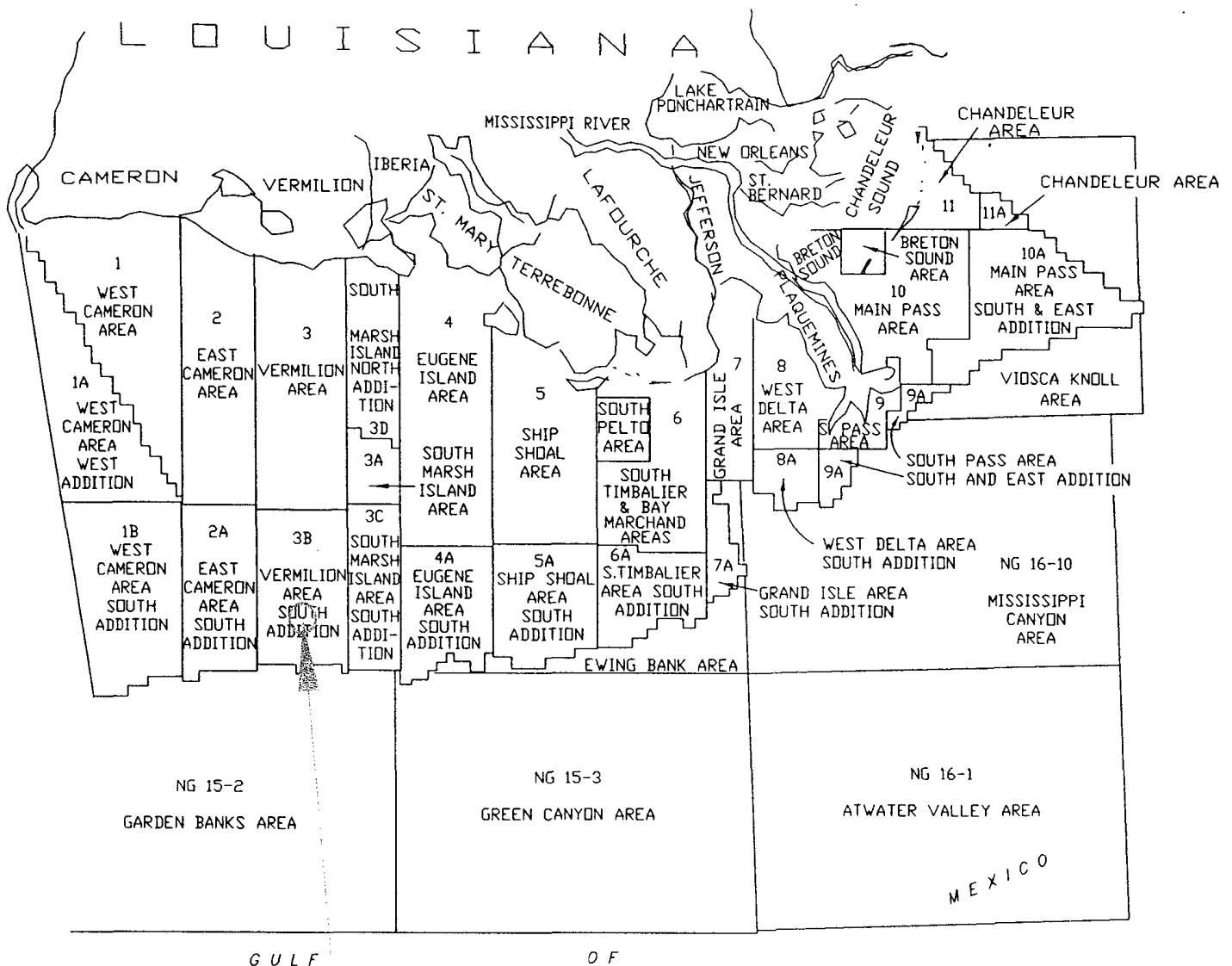
Assume 50% of oil in pipeline leaks out. Liquid holdup is calculated using
Beggs & Brill Multiphase Flow.

Total Liquid holdup in pipeline: 41 bbls
(steady state at flowrates above)

Volume discharge if 50% leaks =
VD2= 20.5

TOTAL VOLUME SPILLED: VD1 + VD2 = 21.2 barrels

LOUISIANA GULF COAST INDEX
M.M.S. O.C.S. LEASING AREAS



PROPOSED 4" BULK GAS PIPELINE

TOTAL LENGTH = 14,425.81 (173.17)
~78 NAUTICAL MILES TO SHORE

VICINITY MAP

Offshore Oil & Gas Company, L.L.C.

PROPOSED 4" BULK GAS PIPELINE
WELL No. 1 BLOCK 338 TO PLATFORM 'A'
BLOCK 329 VERMILION AREA, SOUTH ADDITION
GULF OF MEXICO

DATUM: NAD 27

PROJECTION: LAMBERT

SPHEROID: CLARKE 1866

ZONE: LOUISIANA SOUTH



TESLA OFFSHORE, LLC

36499 Perkins Road Prairieville, Louisiana 70769
Tel: 225-673-2163 Fax: 225-744-3116

DRAWN BY: JPP

DATE: 07/20/05

JOB No.: 05-236

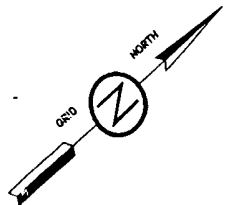
DRAWING No.: 05-236 PERM

REV. No.:

REV. DATE:

SCALE: AS NOTED

SHEET 1 OF 2



338
OCS-G 02877
HELIS OIL & GAS COMPANY, L.L.C. (S/2)
STONE ENERGY CORPORATION (N/2)

329
OCS-G 02876
STONE ENERGY CORPORATION

STA. 125+46.18
BLOCKLINE CROSSING
X = 1,670,684.55

14,426.86'
N 39° 42' 03" E

FLOW →

PROPOSED 4" BULK GAS PIPELINE

TOTAL LENGTH - 14,426.86' (2.73 MI)
~78 NAUTICAL MILES TO SHORE

STA. 0+00
WELL NO. 1

X = 1,662,676.28
Y = -164,332.58
LAT. = 28° 12' 38.127"N
LONG. = 92° 22' 48.832"W

STA. 144+31.90
PLATFORM 'A' (RISER)

X = 1,671,885.00
Y = -153,227.00
LAT. = 28° 14' 28.862"N
LONG. = 92° 21' 07.054"W

8" DUKE
SEG 12041

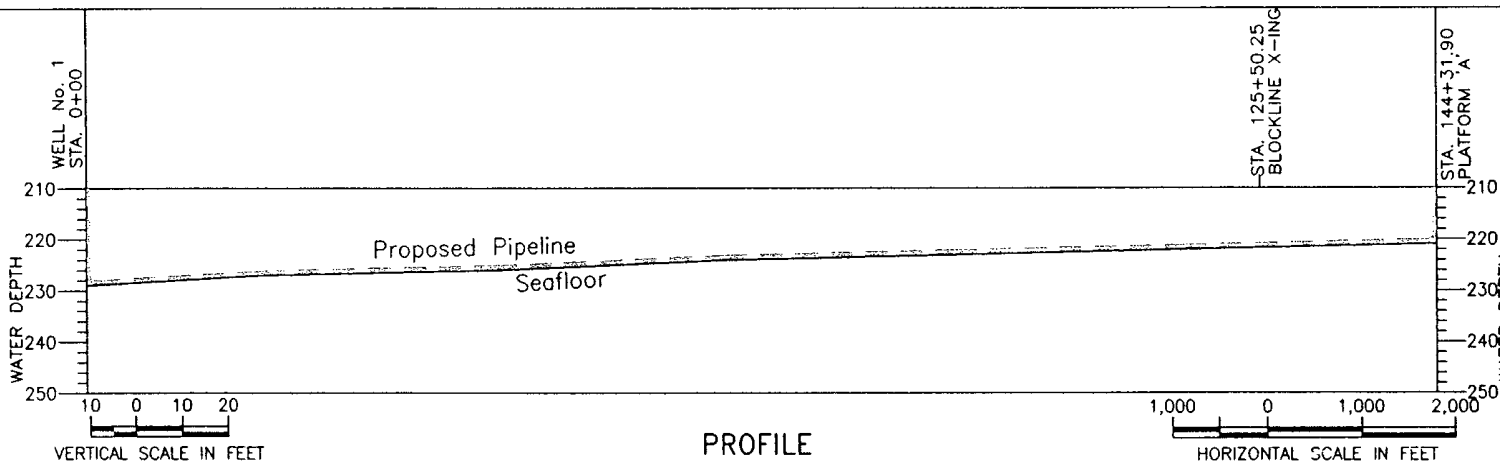
12" STONE ENERGY
SEG 4997

6" SHELL
SEG 4650

1,000 0 1,000 2,000

SCALE IN FEET

PLAN



PROFILE

CERTIFIED CORRECT AS TO HORIZONTAL
POSITION OF PROPOSED PIPELINE



REG. PROFESSIONAL LAND SURVEYOR NO. 4829
STATE OF LOUISIANA

R/W LIMITS

100'
PROPOSED PIPELINE
100'

R/W LIMITS
RIGHT-OF-WAY LIMITS
NOT TO SCALE

Helis Oil & Gas Company, L.L.C.

PROPOSED 4" BULK GAS PIPELINE
WELL No. 1 BLOCK 338 TO PLATFORM 'A'
BLOCK 329 VERMILION AREA, SOUTH ADDITION
GULF OF MEXICO

DATUM: NAD 27

PROJECTION: LAMBERT

SPHEROID: CLARKE 1866

ZONE: LOUISIANA SOUTH



TESLA OFFSHORE, LLC
36499 Perkins Road Prairieville, Louisiana 70769
Tel: 225-673-2163 Fax: 225-744-3116

DRAWN BY: JPP

DATE: 07/20/05

JOB No.: 05-215

DRAWING No.: 05-215 PERM

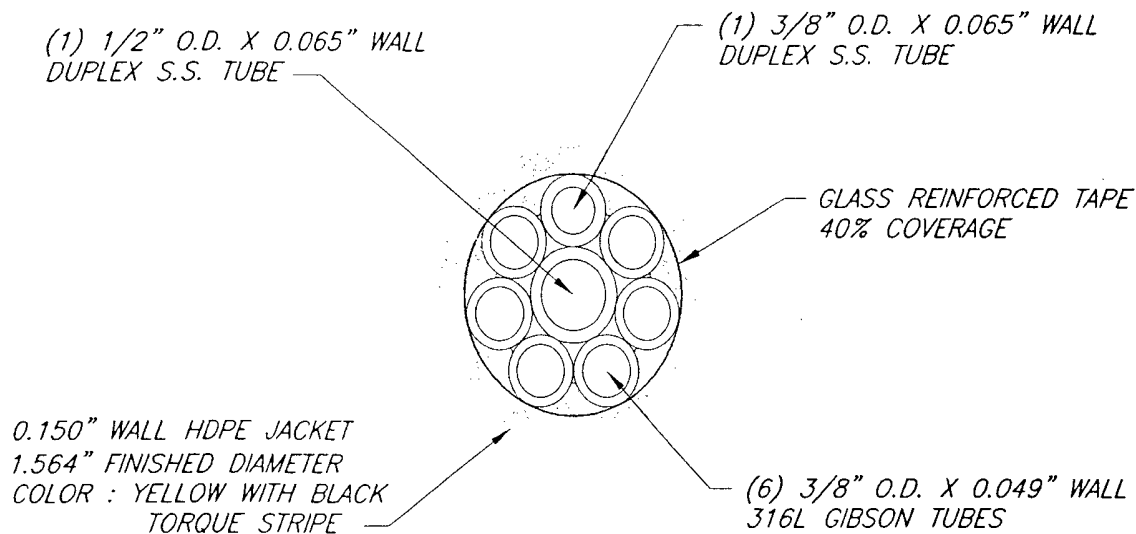
REV. No.:

REV. DATE:

SCALE: AS NOTED

SHEET 2 OF 2

PROPOSAL DRAWING



TUBING HYDRAULIC PROPERTIES

MECHANICAL PROPERTIES

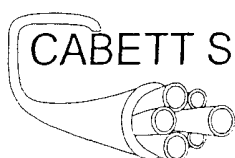
TUBING SIZE	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
3/8" X .065" WALL	12,500 PSI	15,625 PSI	32,142 PSI
1/2" X .065" WALL	12,000 PSI	15,000 PSI	23,600 PSI
3/8" X .049" WALL	5,000 PSI	6,250 PSI	17,800 PSI

SEE DATA SHEET

SAF 2205 TO SPEC UNC S31803
DUPLEX STAINLESS STEEL

316L STAINLESS STEEL TUBE ASTM A-269
SPECIFICATION WELDED & BRIGHT ANNEALED

TUBING SIZES INDICATED ARE OUTSIDE DIA'S.
DIAMETER TOLERANCE : +/- .005"



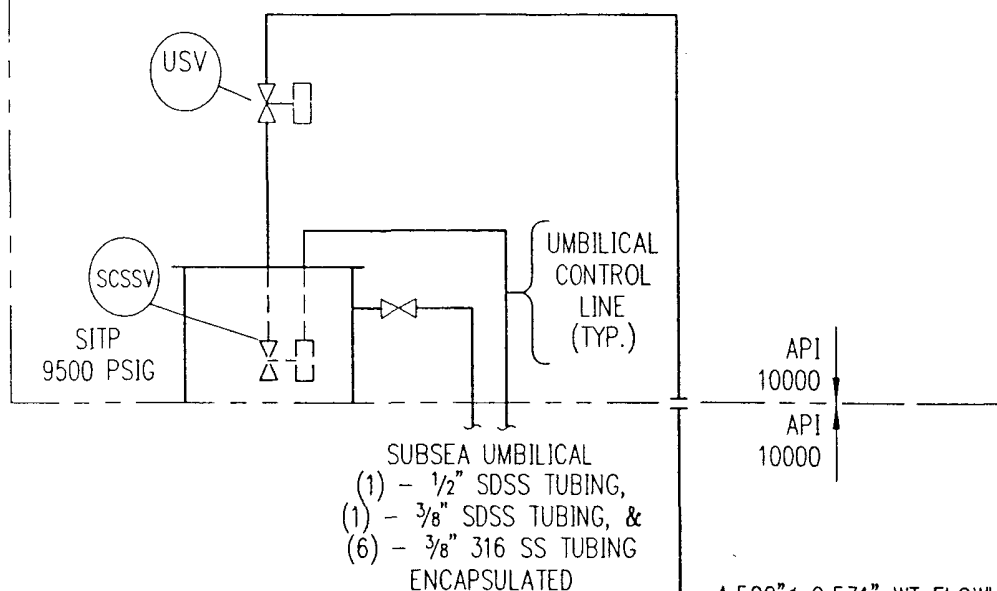
CABETT SUBSEA PRODUCTS

6827 SIGNAT DRIVE
HOUSTON, TEXAS 77041

PINNACLE/HELIS
HYDRAULIC CONTROL UMBILICAL
DESIGN SPECIFICATION

DATE	7/12/05	SHEET 1 OF 1	DWG NO.	CSP-1222	REV.	A
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HELIS OIL & GAS/STONE ENERGY
VERMILION 338, No. 1
SUBSEA WELLHEAD
OCS-G-02877



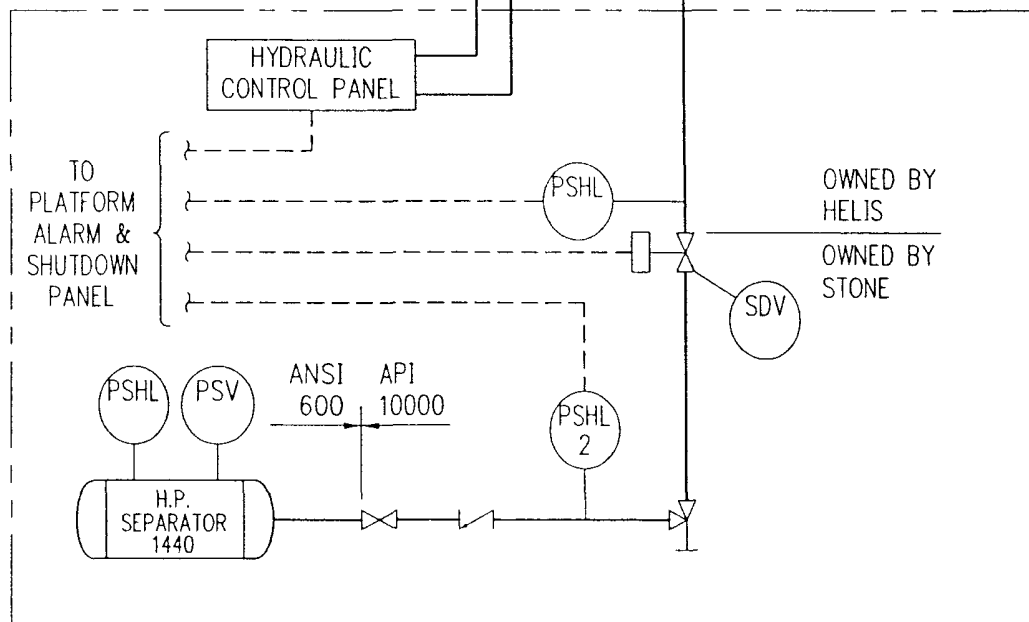
NOTES

1. THIS FLOWLINE COMPLIES WITH DEPARTMENT OF INTERIOR SUBPARTS H & J PART 250, TITLE 30, OF THE CODE OF FEDERAL REGULATIONS.
2. PSH AND PSL SENSORS SHALL BE SET NO MORE THAN 15% OR 5 PSIG, WHICH EVER IS GREATER, ABOVE & BELOW THE NORMAL OPERATING RANGE OF THE FLOWLINES. THE PSH SETTING SHALL NOT EXCEED THE FLOWLINE MAOP.
3. ANODES WILL BE ALUMINUM, 24 LB. BRACELET TYPE, GALVALUM III
4. TOTAL PIPELINE LENGTH = 14,427 FEET; 2.73 MILES.
5. FLOWLINE MAOP = 10000 PSIG.

4.500"Ø 0.531" WT FLOWLINE
API 5L GRADE X60
ANODES 500' SP.

4.500"Ø 0.674" WT
API 5L GRADE X60
RISER & UMBILICAL
PROTECTED BY
PLATFORM STRUCTURE

STONE ENERGY
VERMILION 329 "A"
PRODUCTION PLATFORM
OCS-G-02876



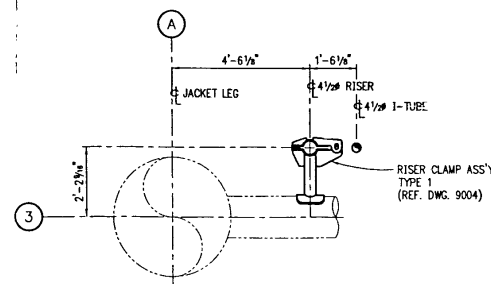
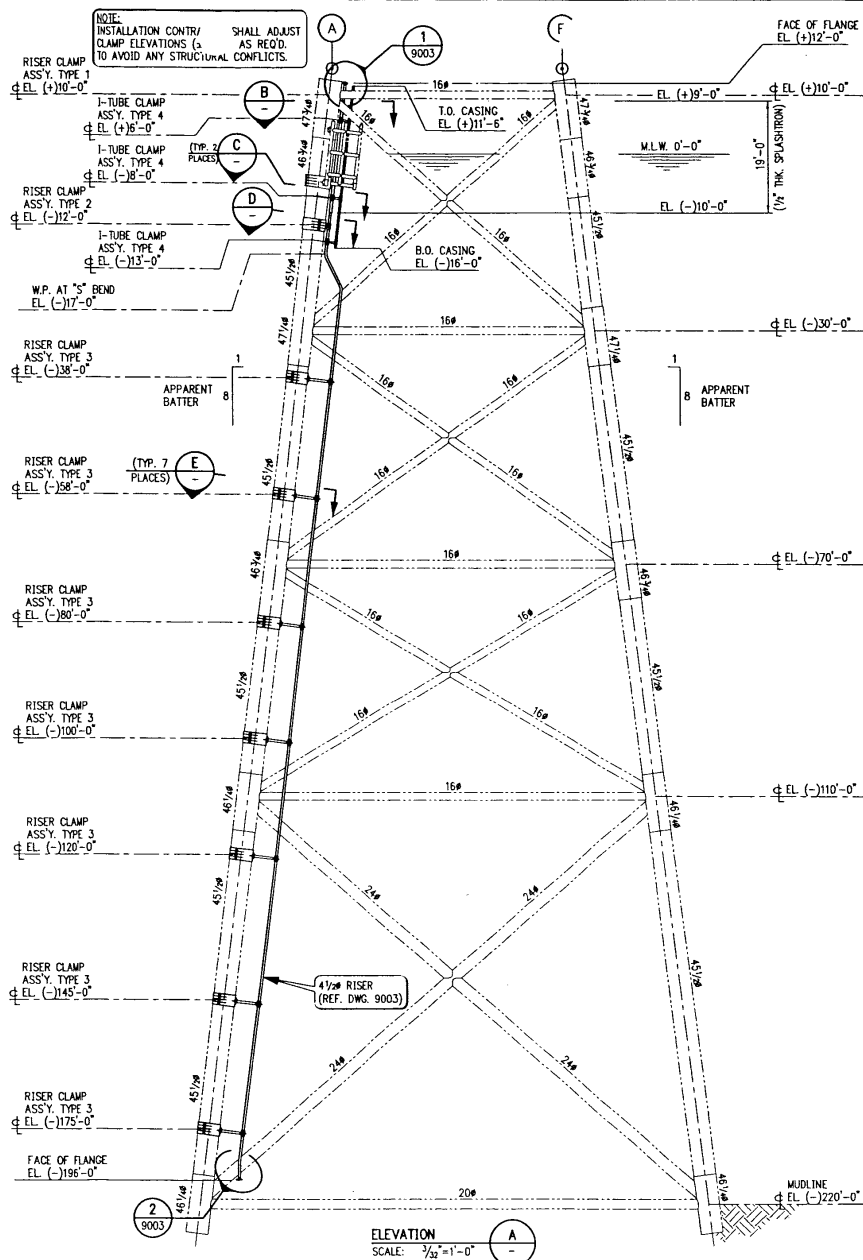
PINNACLE ENGINEERING, INC.
HOUSTON, TEXAS

HELIS OIL & GAS COMPANY, L.L.C.

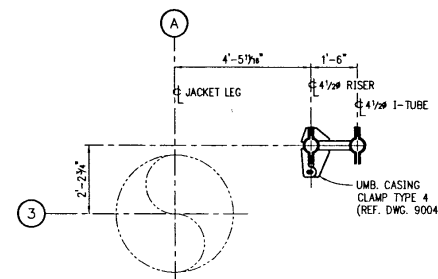
REV.	DATE	DESCRIPTION	APPR.	VERMILION 338, No. 1 TO VERMILION 329 "A"		
0	7/26/05	ISSUED FOR PERMIT	PAC	SCHEMATIC FOR 4.500" O.D. BULK GAS PIPELINE		
				JOB NO. 171000	DWG NO. 901	REV. 0

MATERIAL SUMMARY		
ITEM	QTY.	DESCRIPTION
1	205 LF.	PIPE, 4 1/2" 0.674 WT., API 5L GR X60, SEAMLESS, COATED w/ 12-14 MILS DFT FUSION BONDED EPOXY SCOTCHKOTE 6233
2	2	FLANGE, 4 1/2", API 10000, API 6A, BTM 0.674 WT. GR X60 PIPE
3	ONE	FLANGE, 4 1/2", BLIND, API 10000, API 6A, CENTER DRILL AND TAP FOR 1/2" NPT
4	ONE	GASKET, 4 1/2", API 10000, OVAL RING, SBX-155, 316 SS
5	8	BOLT, 1 1/2" DIA. x 0'-9" LG. STUD, ASTM A193 GR B7 w/2 ASTM A194 GR 2H HY. HK. NUTS, IMF 3-W COATED, ASSEMBLED AND TAGGED: 4" 10000
6	ONE	VALVE, 1/2" NEEDLE, 10000#, FNPT x MNPT, 316 SS
7	ONE	PLUG, 1/2" NPT, 316 SS
8	55 LF	PIPE, 4 1/2" 0.337 WT., API 5L GR B, SEAMLESS, COATED w/ 12-14 MILS DFT FUSION BONDED EPOXY SCOTCHKOTE 6233

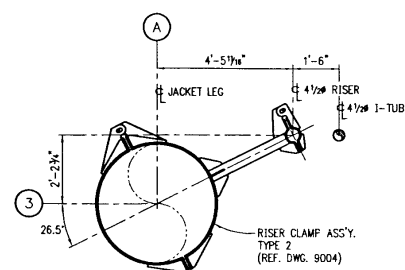
BEST AVAILABLE COPY



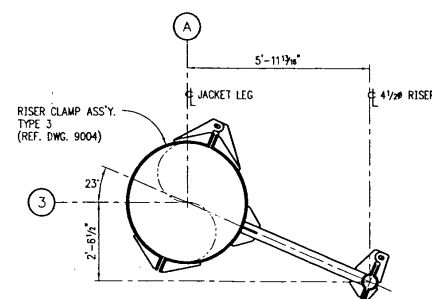
SECTION B
SCALE: 1/2"=1'-0"



SECTION C
SCALE: 1/2"=1'-0"



SECTION D
SCALE: 1/2"=1'-0"



SECTION E
SCALE: 1/2"=1'-0"

NOTES

- HYDROTEST:
THE 4" RISER SHALL BE HYDROTESTED TO A MINIMUM OF 12500 PSI AND HELD FOR A PERIOD OF 8 HOURS. THE PRESSURE SHALL HOLD OR RISE OVER THE LAST TWO HOURS.

THIS DRAWING IS THE PROPERTY OF AND EMBODIES CONFIDENTIAL INFORMATION OF PINNACLE ENGINEERING, INC. & HELIX OIL & GAS COMPANY, LLC. THIS DRAWING AND THE INFORMATION THEREON SHALL NOT BE REPRODUCED OR DISCLOSED TO ANY OTHER PARTY OR USED FOR ANY OTHER PURPOSE OTHER THAN FOR THE BENEFIT OF AND AS AUTHORIZED BY PINNACLE ENGINEERING, INC. OR HELIX OIL & GAS COMPANY, LLC.

NO.	DATE	DESCRIPTION	BY	APPV
A		ISSUED FOR PERMIT		
		REVISIONS		

PINNACLE
ENGINEERING

APPROVAL	
Drawn By	R. DETALOTT
Date	5-5-05
Checked By	
Date	
Designed By	
Date	
Approved By	
Date	

HELIX OIL & GAS COMPANY, L.L.C.

4" PIPELINE

VR 338, No. 1 TO VR 329 "A"

RISER ELEVATION AT VERMILION 329 "A"

JOB NO. 171000 SCALE: NOTED DWG. NO. 9002 REV. A

A	B	C	D	E	F
1 Right-of-Way Pipeline Application	Revised 10/10/2001		Segment No.:		
2					
3 Instructions:					
4 1. Complete one form for the pipeline segment submitted in your application. A ROW					
5 application may only contain one proposed pipeline segment.					
6 2. Complete one form for each unattached umbilical submitted in your application.					
7 3. Provide response/data for all items that are shaded. Other items as required.					
8 4. Provide one original and three identical copies of all application materials.					
9					
10 Pipeline Route Data					
11 List all blocks and lease numbers contacted by the pipeline. (Insert rows as needed)	Area	Block No.	Lease No.	Operator	
12 (If block is unleased, so note.)	VR	338	G02877	HELIS O&G / STONE ENERGY	
13	VR	329	G02876	STONE ENERGY	
14					
15					
16					
17					
18 Contact Information					
19 Parent company name (ROW permittee/holder)	Helis Oil & Gas Company, L.L.C.				
20 Name of company representative signing application	David A. Kerstein				
21 Phone No.	504-523-1831				
22 Fax	504-522-6486				
23 E-Mail	bwalker@helisoil.com				
24 Mailing address	228 St. Charles, Suite 912				
25	New Orleans, LA, 70130				
26 ROW holder's MMS code (five digit)	01978				
27					
28 Designated operator company name	Helis Oil & Gas Company, LLC				
29 Phone No.	504-523-1831				
30 Fax	504-522-6486				
31 E-Mail	bwalker@helisoil.com				
32 Mailing address	228 St. Charles, Suite 912				
33	New Orleans, LA, 70130				
34 Operator's MMS code (five digit)	01978				
35					
36 Regulatory contact (Name)	Patty Brewer				
37 Company name	J. Connor Consulting, Inc.				
38 Phone No.	(281) 578-3388				
39 Fax	(281) 578-8895				
40 E-Mail	patty.brewer@jccteam.com				
41					
42 Technical contact (Name)	Pete Cruz				
43 Company name	Pinnacle Engineering, Inc.				
44 Phone No.	713.784.1005				
45 Fax	713.784.0455				
46 E-Mail	petec@pinnacleengr.com				
47					
48 Fees					
49 Application fee of \$2,350 enclosed? (Required)	Y				
50 Rental fee of \$15 per mile or every fraction thereof enclosed? (Required)	Y				
51 Right-of-way length (miles) e.g., 7.54	2.73				
52 Total check amount	\$2,395.00				
53 Check date	8/2/2005				
54 Check number	030083				
55 Name of financial institution upon which check is written	Sterling Bank				
56					
57 Basic Pipeline Data					
58 Line service, e.g., oil, gas, bulk gas, lift, injection, service, etc.	Bulk Gas				
59 Total pipeline length (feet) - excluding riser(s)	14,427				
60 Length of pipeline in Federal waters (feet)	14,427				
61 Length of pipeline in State waters (feet/NA)	NA				
62 Pipeline designed for bi-directional flow? (Y/N)	N				
63 Alternate line service, e.g., oil, gas, bulk gas, lift, injection, service, etc.	N				

	A	B	C	D	E	F
64	Supervisor Control and Data Acquisition system for leak detection installed? (Y/N)	N				
65	If yes, system type, e.g., over/short, pressure point analysis, volumetric, etc.	NA				
66						
67	Pipeline Origin					
68	Type Facility, e.g., Platform, Well, Subsea Well, PLEM, Subsea Manifold, Subsea Tie-in	Subsea Well				
69	Number/Identifier, e.g., A, 1, 4-B, 13336 (Number/Segment Number/Identifier/NA)	001				
70	Manned platform? (Y/N/NA)	NA				
71	Area	VR				
72	Block	338				
73	OCS Lease	G02877				
74	Pig launcher? (Y/N)	N				
75	System designed for "smart" pigs? (Y/N/NA)	NA				
76						
77	Pipeline Destination					
78	Type Facility, e.g., Platform, Well, Subsea Well, PLEM, Subsea Manifold, Subsea Tie-in	Platform				
79	Number/Identifier, e.g., A, 1, 4-B (Number/Segment Number/Identifier/NA)	A				
80	Manned platform? (Y/N/NA)	N				
81	Area	VR				
82	Block	329				
83	OCS Lease	G02876				
84	Pig receiver? (Y/N/NA)	N				
85						
86	Pipeline Appurtenances					
87	Manifold/subsea templates/etc. along pipeline other than at origin or destination? (Y/N)	N				
88	If yes, specify appurtenant type	NA				
89	If yes, specify appurtenant area and block location, e.g., MP 134	NA				
90						
91	Construction/Air Quality Data					
92	Pipeline installation method, e.g., lay barge, DP vessel, jack up	Lay Barge				
93	Maximum anchor spread (feet or NA)	2,000				
94	Onshore Facility Location	Fourchon				
95	Pipeline construction duration (days)	15				
96	Construction start date (projected)	12/15/2005				
97						
98	Pipeline product data					
99	Design maximum flow rate of gas (mmcf/d)	20				
100	Gravity of gas (Air = 1.0)	0.65				
101	Design maximum flow rate of oil/condensate (b/d)	500				
102	API or specific gravity of oil/condensate	0.85				
103	H2S concentration (ppm)	NA				
104	Maximum anticipated pipeline temperature (degrees F)	80°				
105	CO2 concentration (ppm)	NA				
106	Inhibition program planned? (Y/N)	N				
107	Corrosion anticipated (Y/N)	N				
108	Stress anticipated (Y/N)	N				
109						
110	Submerged Component Design Data	Diameter 1	Diameter 2	Diameter 3		
111	Outside diameter (inches)	4 1/2				
112	Wall thickness (inches)	0.531				
113	Grade	X60				
114	Hydrostatic test pressure (psig)	12,500				
115	HTP duration (hours) (Must be equal to or greater than eight)	8				
116	Type external corrosion coating	FBE				
117	Corrosion coating thickness (mils)	12-14 mils				
118	Concrete coating density (pcf)	NA				
119	Coating thickness (inches)	NA				
120	Type internal corrosion coating (Type/NA)	NA				
121	Coating thickness (mils) (Mils/NA)	NA				
122	Bare pipe specific gravity	3.18				
123	Weighted pipe specific gravity	NA				
124	Pipe is non-standard? (Y/N)	N				
125	If yes, note type, e.g., coil tubing, pipe-in-pipe, flexible pipe, other (specify) (Type/NA)	NA				
126						

	A	B	C	D	E	F
127	Cathodic Protection Design Data					
128	Design Type, e.g., bracelet anodes, anode sleds	Anodes				
129	Anode Type, e.g., Galvalum III, Aluminum, etc.	Galvalum III				
130	Net anode weight (pounds)	24				
131	Spacing (feet) (no. of anodes/pipeline length)	500'				
132	Number of anodes	30				
133	Anode life (years)	40				
134	Designs for systems other than bracelet anodes required: (Attached/NA)	NA				
135						
136						
137	Departing Riser Design Data	Diameter 1	Diameter 2	Diameter 3		
138	Outside diameter (inches)	NA				
139	Wall thickness (inches)	NA				
140	Grade	NA				
141	Hydrostatic test pressure (psig)	NA				
142	HTP duration (hours) (Must be equal to or greater than eight)	NA				
143	splash zone=S.Z.	Below S.Z.	In S.Z.	Above S.Z.		
144	external corrosion coating	NA				
145	coating thickness (mils or inches)	NA				
146	Type internal corrosion coating (Type/NA)	NA				
147	Coating thickness (mils) (Mils/NA)	NA				
148	Riser guard design attached? Required if origin is caisson or platform (Y/NA)	NA				
149	Catenary riser? (Y/N)	NA				
150	If yes, VIV reduction, installation tension, anchoring, tension monitoring attached? (Y/NA)	NA				
151						
152	Receiving Riser Design Data	Diameter 1	Diameter 2	Diameter 3		
153	Outside diameter (inches)	4 1/2				
154	Wall thickness (inches)	0.674				
155	Grade	X60				
156	Hydrostatic test pressure (psig)	12,500				
157	HTP duration (hours) (Must be equal to or greater than eight)	8				
158	splash zone=S.Z.	Below S.Z.	In S.Z.	Above S.Z.		
159	Type external corrosion coating	Fusion Bonded Epoxy	Splashtron	Fusion Bonded Epoxy and/or 3 coat paint system		
160	Coating thickness (mils or inches)	12-14 mils	0.5	12-14 mils/12 mils DFT		
161	Type internal corrosion coating (Type/NA)	NA				
162	Coating thickness (mils) (Mils/NA)	NA				
163	Riser guard design attached? Required if origin is caisson or platform (Y/NA)	Y				
164	Catenary riser? (Y/N)	N				
165	If yes, VIV reduction, installation tension, anchoring, tension monitoring attached? (Y/NA)	NA				
166						
167	Flange and Valve Data					
168	Flange type (ANSI 600, API 5000, etc)	API 10000				
169	Flange pressure rating (psig)	10,000				
170	Derated pressure rating (psig/NA)	NA				
171	Valve type (ANSI/API)	API 10000				
172	Valve pressure rating (psig)	10,000				
173	Derated pressure rating (psig/NA)	NA				
174						
175	Pipeline Burial Data					
176	Buried minimum of three feet? Y/N/Self (Burial required if less than 200' water depth)	NA				
177	Burial method (1st, plow, self, other(specify))	NA				
178	If self burial, provide seafloor strength in ksf. (Must be less than 0.2 ksf) (kips/NA)	NA				
179	Data supporting self burial attached? (Y/NA)	NA				
180						
181	Miscellaneous Data					
182	Non-discrimination in employment form attached? (Required)	Y				
183						
184	Oil Spill Financial Responsibility Requirement Determination					
185	Static Pipeline Volume (Bbls.) If greater than 1,000 then WCED volume required	166				
186	Worst case discharge volume (Bbls.) If greater than 1,000 then OSFR required	22				
187	Proposed Right-of-Way included under company OSFR coverage? (Yes/Pending/NA)	NA				
188						
189	Certified plat attached? Plat is required	Y				

	A	B	C	D	E	F
190	Diskette per NTL 98-09 attached? Diskette is required.	Y				
191						
192	Does pipeline cross into State waters (Y/N)	N				
193	If yes, State permit required (Attached/Applied For/NA)	NA				
194	If yes, COE permit required (Attached/Applied For/NA)	NA				
195						
196	Minimum water depth (feet below sea level)	221				
197	Maximum water depth (feet below sea level)	228				
198						
199	Water depth greater than 400 meters? (Y/N)	N				
200	If Yes, Chemo study required (see NTL 2000-G20) (Attached/NA)	NA				
201						
202	Deep Water Operations Plan submitted to MMS? (See NTL 2000-N06) (Y/NA)	Y				
203	If yes, date submitted (Date/NA)	5/14/2005				
204						
205	Pipeline to be towed to location? (Y/N)	N				
206	If yes, dragged on bottom? (Y/N/NA)	NA				
207						
208	Reef in vicinity? (Y/N)	N				
209	Reef and PL in L.A., PL must be > 500' away. Confirm Y/NA	NA				
210	Distance to reef (feet)	NA				
211	If Yes and PL in TX, PL must be > seven times water depth away. Confirm Y/NA	NA				
212	Distance to reef (feet)	NA				
213						
214	Hazard Report submitted? (Yes) Hazard Report is required.	Yes				
215						
216	Shallow Hazards Analysis Statement included? (Yes) SHAS is required in cover letter.	Yes				
217						
218	Umbilical associated with pipeline? (Y/N)	Y				
219	Umbilical type, e.g., hydraulic, electric, other(specify) (Type or NA)	Hydraulic				
220	Umbilical outside diameter (inches) (Diameter or NA)	1.56				
221	Attached to pipeline? (Y/N/NA; If No, will be assigned a unique segment number)	Y				
222	If no, separate application form attached? (Yes/NA)	NA				
223						
224	Does pipeline contact anchorage area or fairways? (Y/N)	N				
225	If Yes, burial depth in anchorage areas or fairways consistent with COE permit? (Y/NA)	NA				
226	If yes, COE permit attached? (Y/NA/Pending)	NA				
227						
228	Pipeline Crossing Data					
229	Does proposed pipeline cross an existing pipeline (Y/N)	N				
230	If yes, enter noted data, adding data rows as required.	Operator	Segment No.	Size (inches)	Service	Notified?
231						
232						
233						
234						
235	If yes, minimum clearance between lines must be 18". (Yes/NA)	NA				
236	concrete mat.)	NA				
237	If sand bags, slope is 3/1. (Confirm Yes/NA)	NA				
238	If concrete mat, specify manufacturer	NA				
239	If concrete mats, mat edges jetted below mudline. (Yes/NA)	NA				
240	Crossed pipeline operator notified? (Y/N/O O = crossed pipeline owned by applicant)	NA				
241						
242	H ₂ S Contingency Plan and Modeling Data					
243	H ₂ S Operations Contingency Plan attached as H ₂ S concentration greater than 20 ppm (Y/Pending/NA)	NA				
244	Air Dispersion Model attached as H ₂ S concentration greater than 500 ppm (Y/pending/NA)	NA				
245	H ₂ S Crossing Contingency Plan attached as crossed pipeline carries H ₂ S in concentrations	NA				
246						
247	Subsea Tie-in Data					
248	Does pipeline tie into a subsea pipeline? (Y/N)	N				
249	Ties to existing valve or hot tap? (Identify which/NA)	NA				

	A	B	C	D	E	F
250	Segment number of pipeline being tied in to (SN/NA)	NA				
251	MAOP of pipeline being tied in to (MAOP/NA)	NA				
252	If existing valve, letter of no objection from tie-in operator attached? (Yes/NA)	NA				
253	If hot tap, appurtenance application submitted to MMS? (Yes/NA)	NA				
254	Is assembly snag proofed? (Y/NA) Required if less than 500' water depth.	NA				
255	If sand bags used, slope is 3/1 (Y/NA)	NA				
256	If sand bags used, 3' coverage required (Y/NA)	NA				
257						
258	Surface Tie-in Data					
259	Does pipeline tie directly into another pipeline at a surface location? (Y/N)	N				
260	Segment number of pipeline being tied in to (SN/NA)	NA				
261	MAOP of pipeline being tied in to (MAOP/NA)	NA				
262						
263	Spill Response Plan Data					
264	Type of spill response plan (OSCP/OSRP per NTL 98-30)	OSRP				
265	Date spill plan submitted to MMS	4/29/2005				
266	Date spill plan approved (Actual Date or "Pending")	5/5/2005				
267						
268	Well Schematic Information					
269	Is source identified? (well, separator, pump, etc.)	Well				
270	MSP/MAWP/SITP of source shown? (psig)	9500 SITP				
271	Origin/destination specification breaks shown on schematic. (Y/NA)	Y				
272	Receiving segment number noted? (Segment Number or N/A)	NA				
273	Receiving segment no. MAOP (psig) (MAOP or N/A)	NA				
274	Calculated pipeline MAOP (psig)	10,000				
275	Operator responsibility transfer point shown? (Yes/NA)	Yes				
276						
277	Collapse Information (Deepwater Pipelines Only)					
278	Water depth (feet)	NA				
279	External pressure (psig)	NA				
280	Collapse pressure (psig)	NA				
281	Safety factor	NA				
282	Collapse calculations are required. (Attached/NA)	NA				
283						
284	Safety Design Review					
285	Pipeline Origin					
286	PSHL required at departing end of pipeline or @ receiving end if SS source (Confirm Yes)	Yes				
287	PSHL must be downstream of choke and/or flow restrictions (Confirm Yes)	Yes				
288	For a well, if MSP > MAOP, a redundant PSH and independent SDVs required (Confirm Yes)	Yes				
289	or a vented PSV is required (Confirm Yes/NA)	NA				
290	If bi-directional flow, SDV required (Confirm Yes/NA)	NA				
291	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
292	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
293	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
294	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
295	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
296	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
297	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
298	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
299	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
300	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
301	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
302	If big trap present, safety equipment can not be bypassed (Confirm True)	NA				
303	Departure Data					
304	Waiver from NTL 96-20 (buoying of hazards) requested? (Y/N)	Y				
305	Other departures requested? (Y/N)	N				
306	If yes, specify	NA				
307						
308						

	A	B	C	D	E	F
309						
310						
311						
312						
313						
314						
315						
316						
317	Do Not Enter Data Below This Line -	MMS Use Only				
318						
319	PIPELINE MASTER ENTRY SHEET					
320	Name		MMS Engineer entry			
321	Date		MMS Engineer entry			
322	Segment Number		MMS Engineer entry			
323	Right-of-Way Number					
324	Right-of-Way Permittee					
325	Right-of-Way Permittee Code					
326	Operator	Helis Oil & Gas Company, L.L.C.				
327	Operator Code	01978				
328	Approval Code	Right-of-Way	MMS Engineer entry			
329	Authority Code					
330	Pipe Size	4 1/2	MMS Engineer entry			
331	Product Code					
332						
333	ORIGIN					
334	Facility Type	Subsea Well				
335	Identifier	001				
336	Area	VR				
337	Block	338				
338	Lease	G02877				
339						
340	DESTINATION					
341	Facility Type	Platform				
342	Identifier	A				
343	Area	VR				
344	Block	329				
345	Lease	G02876				
346						
347	OCS Segment Length	14,427				
348	State + Federal Pipeline Length	14,427				
349	Cathodic Code	Galvalum III	MMS Engineer entry			
350	Cathodic Life Time (Years)					
351	Minimum Water Depth (feet)	221				
352	Maximum Water Depth (feet)	228				
353						
354	Buried Designator Flag	NA				
355	Bi-directional Flag	N				
356	Alternate Service	N				
357	Recv Segment No. (Sub-surface)	NA				
358	Recv MAOP	NA	MMS Engineer entry			
359	Assigned MAOP					
360	Pipeline Status Code	Proposed				
361	Right-of-Way Status Code	Pending				
362			MMS Engineer entry			
363	Comments					

J. CONNOR CONSULTING, INC.

030083

REFERENCE NO	DESCRIPTION	INVOICE DATE	INVOICE AMOUNT	DISCOUNT TAKEN	AMOUNT PAID
VR338		8/1/05	2,395.00		2,395.00
CHECK DATE	CHECK NO.	PAYEE		DISCOUNTS TAKEN	CHECK AMOUNT
5	30083	MINERALS MANAGEMENT SERV.			\$2,395.00

030083

J. CONNOR CONSULTING, INC.

16225 PARK TEN PLACE, SUITE 700
HOUSTON, TEXAS 77084-5152
(281) 578-3388

STERLING BANK
3100 RICHMOND AVENUE
HOUSTON, TEXAS 77098

CHECK NO.
30083

DATE
Aug 2, 2005

AMOUNT
*****\$2,395.00

Two Thousand Three Hundred Ninety-Five and 00/100 Dollars

HE
ER

MINERALS MANAGEMENT SERV.
1201 ELMWOOD PARK BLVD
NEW ORLEANS, LA 70123-2394

Cathy Brock
AUTHORIZED SIGNATURE

⑈030083⑈ ⑆113001271⑆ ⑈242117935⑈

HELIS OIL & GAS/STONE ENERGY
VERMILION 338, No. 1
SUBSEA WELLHEAD
OCS-G-02877