



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO
ATTENTION OF

March 9, 2015

Operations Division
Central Evaluation Section

Project Manager
Jamie Crowe
(504) 862-2675
Jamie.M.Crowe@usace.army.mil
SUBJECT: MVN 2015-0126 CO

PUBLIC NOTICE

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to:
[X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

24-INCH BI-DIRECTIONAL OIL PIPELINE IN THE GULF OF MEXICO

NAME OF APPLICANT: Shell Pipeline Company, LP, 910 Louisiana, 41080B, Houston, Texas 77002.

LOCATION OF WORK: Within the Gulf of Mexico, beginning at 27.94715°N, 90.99644°W, crossing the Gulf Safety Fairway, and ending at 28.16155°N, 90.66551°W.

CHARACTER OF WORK: The applicant proposes to install 30.24 miles of 24-inch bi-directional oil pipeline in the Gulf of Mexico from Green Canyon 19A Platform to a subsea piggable wye in South Timbalier 301. The pipeline will be laid on top of the sea floor using a Dynamically Positioned lay vessel. No special aquatic sites will be impacted by the proposed activity.

The comment period for the Department of the Army Permit will close **15 days** from the date of this public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above,

ATTENTION: REGULATORY BRANCH. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The decision as to whether a permit will be issued will be based on an evaluation of the impact of the proposed work on navigation and national security.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of N/A acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

John M. Herman
Chief, Central Evaluation Section

Enclosures

FEB 23 2015

Figure 1

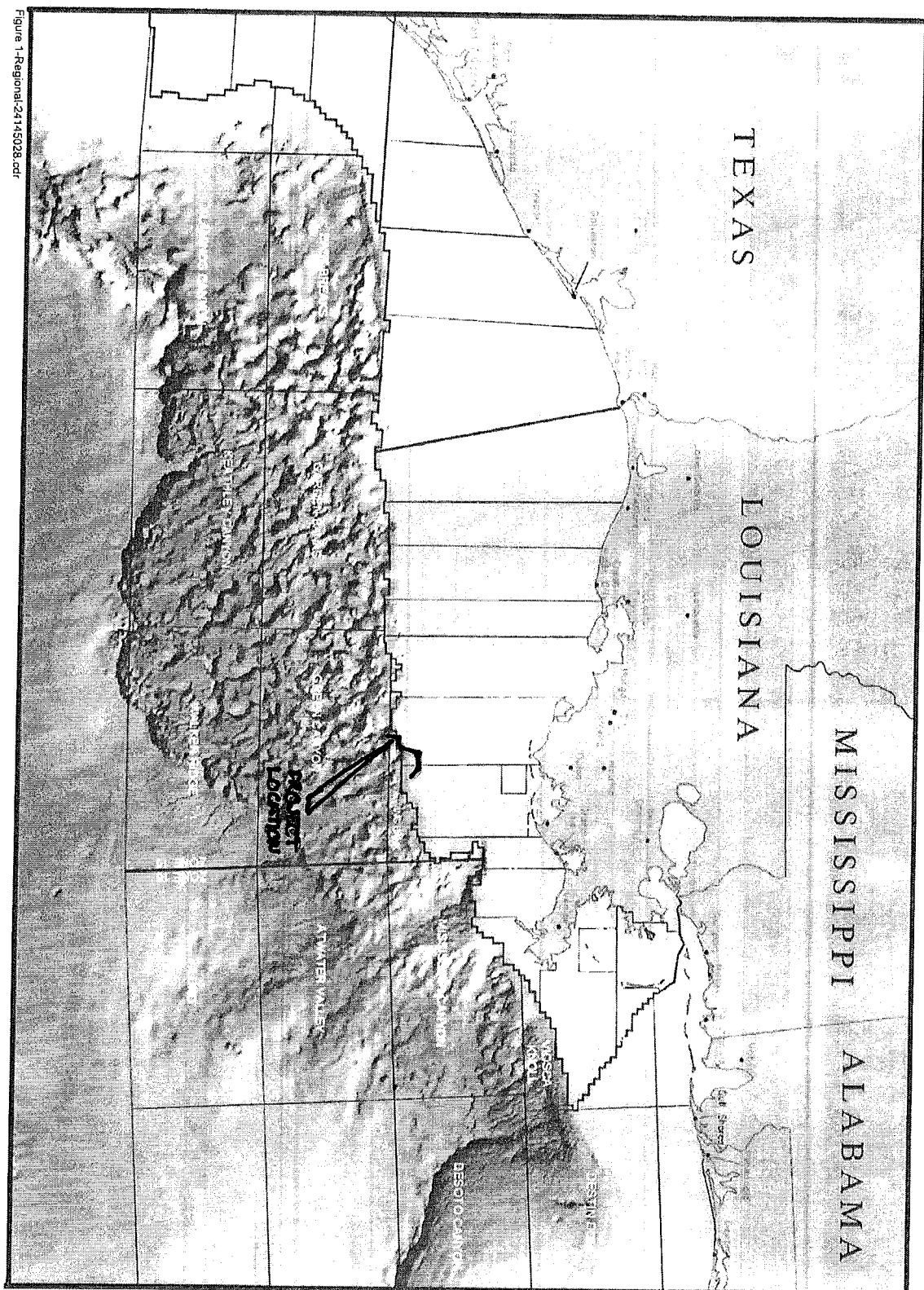
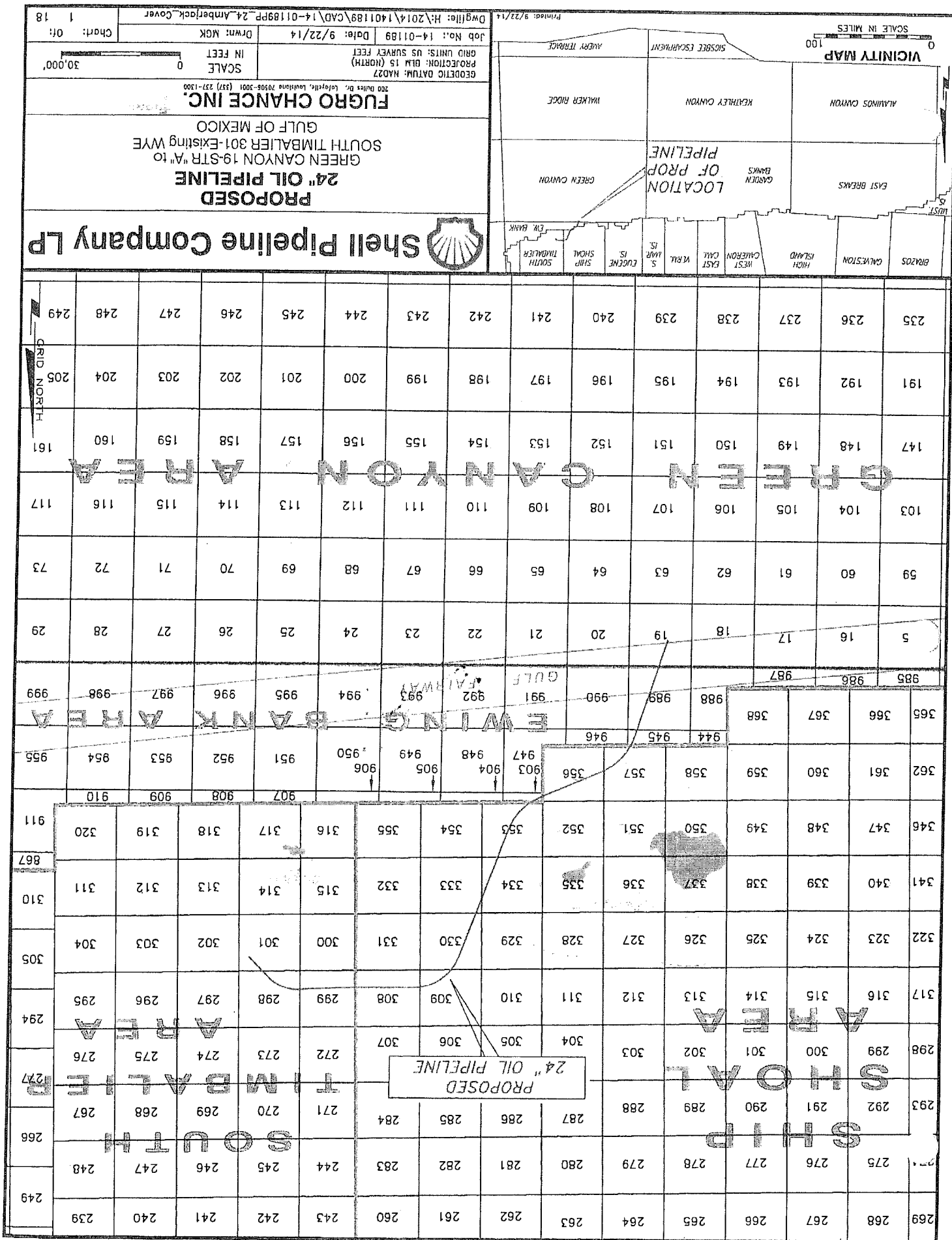


Figure 1-Regional 24145028.cdr

REGIONAL LOCATION MAP
AMBERJACK DEBOTTLENECK PROJECT
BLOCK 19, GREEN CANYON AREA TO BLOCK 301, SOUTH TIMBALIER AREA, GULF OF MEXICO

FEB 23 2015



EW989
OCS-G-26229
W & T

68+50.15
Area Line Crossing
X= 2,289,271.95'
Y= 10,153,440.00'
Lat. 27° 57' 53.785"N
Lon. 90° 59' 22.074"W

LENGTH OF MAIN 24" LINE= 159,643.36' = 30.24 MI.
LENGTH OF RISER SPOOL PIECE= 435.44' = 00.08 MI.
LENGTH OF WYE SPOOL PIECE= 279.19' = 00.05 MI.
TOTAL LENGTH= 160,357.99' = 30.37 MI.

PROPOSED
24" OIL PIPELINE

EW990

GC19
OCS-G-34961
W & T

04+74.30
Enter Fairway
X= 2,287,274.02'
Y= 10,147,385.27'
Lat. 27° 56' 54.169"N
Lon. 90° 59' 45.457"W

00+00.00 GC Blk 19
Tie-in to Riser Spool Piece
X= 2,287,125.39'
Y= 10,146,934.85'
Lat. 27° 56' 49.734"N
Lon. 90° 59' 47.196"W

GULF SAFETY FAIRWAY

EWING BANK AREA
GREEN CANYON AREA

N18° 15' 42"E
BI-DIRECTIONAL
FLOW

N18° 15' 42"E
Now 24" Pipe

00+00.00 Tie-in
to Riser Spool Piece
X= 2,287,125.39'
Y= 10,146,934.85'
Lat. 27° 56' 49.734"N
Lon. 90° 59' 47.196"W

Pre- Fab Bend
X= 2,287,184.53'
Y= 10,146,743.48'
Lat. 27° 56' 47.879"N
Lon. 90° 59' 46.571"W

Pre- Fab Bend
X= 2,287,087.80'
Y= 10,146,820.32'
Lat. 27° 56' 48.606"N
Lon. 90° 59' 47.639"W

-02+64.81
Umbilical Crossing
X= 2,287,170.51'
Y= 10,146,729.58'
Lat. 27° 56' 47.694"N
Lon. 90° 59' 46.731"W

-03+05.62
Pipeline Crossing
X= 2,287,146.22'
Y= 10,146,896.77'
Lat. 27° 56' 47.374"N
Lon. 90° 59' 47.008"W

-04+35.44 GC Blk 19
Base of Riser at Str "A"
X= 2,287,089.18'
Y= 10,146,592.30'
Lat. 27° 56' 48.352"N
Lon. 90° 59' 47.886"W

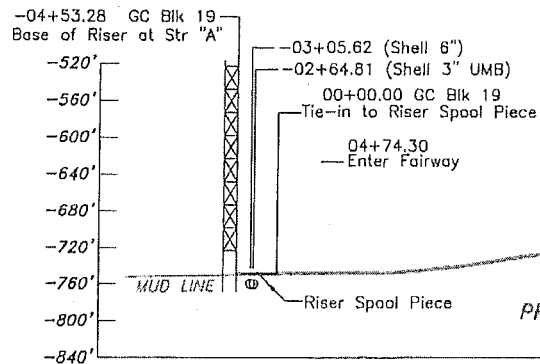
Str "A"

INSET
NOT TO SCALE

DESIGN CHARACTERISTICS OF THIS PIPELINE ARE
IN COMPLIANCE WITH APPLICABLE REGULATIONS.

PLAN

0 2,000'
SCALE IN FEET



FAIRWAY

PIPELINE ON BOTTOM

PROPOSED 24" OIL PIPELINE

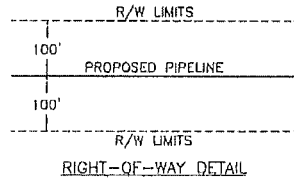
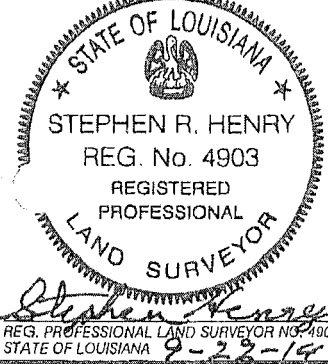
BI-DIRECTIONAL FLOW

0 2,000'
HORIZONTAL SCALE IN FEET

PROFILE

0 200'
VERTICAL SCALE IN FEET

THE RIGHT OF WAY OF THE PROPOSED
PIPELINE IS ACCURATELY REPRESENTED.



NOTE:
THIS PLAT WAS PREPARED FOR PERMIT
PURPOSES ONLY, AND IS NOT A PROPERTY
BOUNDARY SURVEY, AND AS SUCH DOES NOT
COMPLY WITH THE 'STANDARDS OF PRACTICE
FOR BOUNDARY SURVEYS' AS ADOPTED BY
THE LOUISIANA PROFESSIONAL ENGINEERING
AND LAND SURVEYING BOARD.



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Duques Dr. Lafayette, Louisiana 70506-3001 (337) 257-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET 0 2,000'

Job No.: 14-01189	Date: 9/22/14	Drwn: MGK	Chart: Of:
Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack			2 18

FEB 23 2015

EW989
OCS-G-26229
W & T

EW990

PROPOSED
24" OIL PIPELINE

Match Line
N18° 15' 42"E
FLOW
BI-DIRECTIONAL

137+55.08
Exit Fairway
X= 2,291,435.67'
Y= 10,159,997.16'
Lat. 27° 58' 58.346"N
Lon. 90° 58' 56.742"W

Whistler 10" S-8411

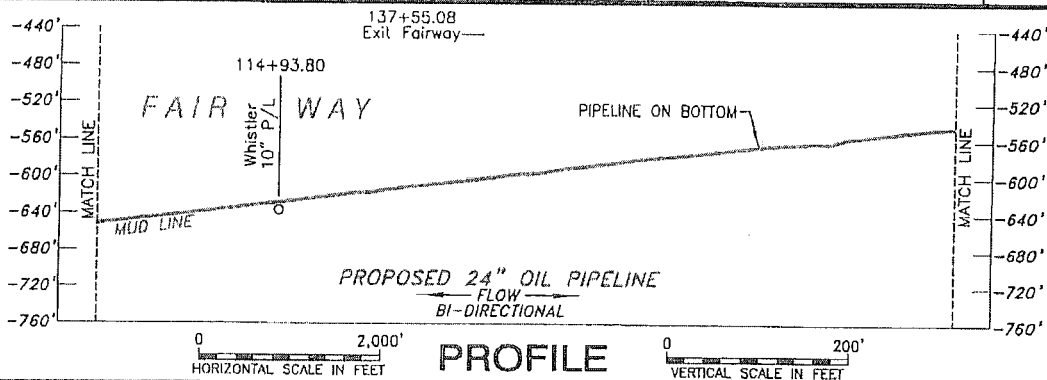
114+93.80
Pipeline Crossing
X= 2,290,727.07'
Y= 10,157,849.77'
Lat. 27° 58' 37.203"N
Lon. 90° 59' 05.039"W

GULF SAFETY FAIRWAY

PLAN

0 2,000'
SCALE IN FEET

GRID NORTH



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

500 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

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Printed: 9/22/14

FEB 23 2015

SS357

SHIP SHOAL AREA LA South Zone
EWING BANK AREA BLM 15 Zone

EW945

EW946

EW989
OCS-G-26229
W & T

EW990

277+40.48
Area Line Crossing
NAD27-BLM15 (NORTH)
X= 2,296,069.22'
Y= 10,173,177.28'
Lat. 28° 01' 08.063"N
Lon. 90° 58' 02.624"W
NAD27-LA SOUTH
X= 2,118,133.85'
Y= -235,408.13'

238+59.13
Pipeline Crossing
X= 2,294,601.86'
Y= 10,169,592.32'
Lat. 28° 00' 32.815"N
Lon. 90° 58' 19.657"W

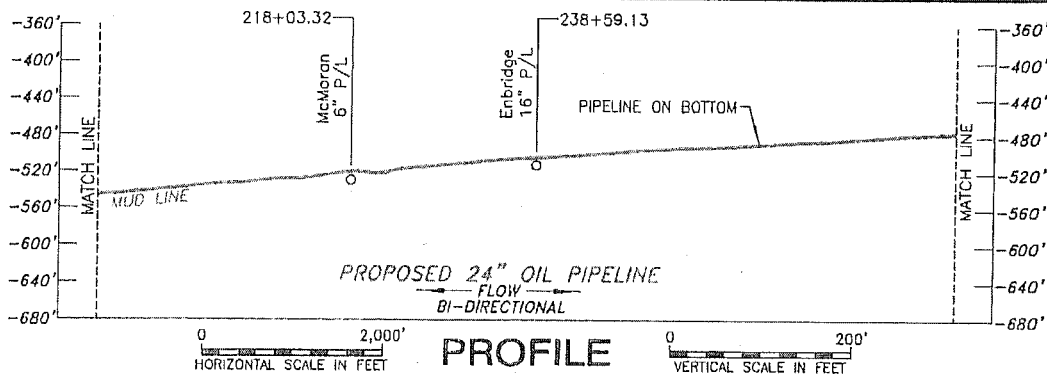
235+30.25
Block Line Crossing
X= 2,294,498.80'
Y= 10,169,280.00'
Lat. 28° 00' 29.741"N
Lon. 90° 58' 20.865"W

218+03.32
Pipeline Crossing
X= 2,293,957.65'
Y= 10,167,640.05'
Lat. 28° 00' 13.595"N
Lon. 90° 58' 27.204"W

CURVE 1 DATA	
P.C.	248+89.73
NAD27-BLM15 (NORTH)	
X=	2,294,924.80'
Y=	10,170,571.01'
Lat. 28° 00' 42.451"N	
Lon. 90° 58' 15.874"W	
NAD27-LA SOUTH	
X=	2,116,953.91'
Y=	-237,999.85'
P.T.	377+76.44
NAD27-BLM15 (NORTH)	
X=	2,303,425.53'
Y=	10,179,727.35'
Lat. 28° 02' 11.684"N	
Lon. 90° 56' 39.335"W	
NAD27-LA SOUTH	
X=	2,125,580.84'
Y=	-228,955.12'
P.I.	1
NAD27-BLM15 (NORTH)	
X=	2,297,077.98'
Y=	10,177,096.21'
NAD27-LA SOUTH	
X=	2,119,195.79'
Y=	-231,501.52'
Radius	15,000.00'
Delta	49° 13' 25"
Tangent	6,871.27'
Length	12,886.71'

PLAN

0 2,000'
SCALE IN FEET



Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:

Printed: 9/22/14

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SEP 23 2015

SS357

369+26.02
Block Line Crossing
NAD27-BLM15 (NORTH)
X= 2,302,649.59'
Y= 10,179,379.63'
Lat. 28° 02' 08.372"N
Lon. 90° 56' 48.057"W
NAD27-LA SOUTH
X= 2,124,799.96'
Y= -229,292.50'

N67° 29' 07"E
P.T.1
Match Line

PROPOSED
24" OIL PIPELINE

SS356

CURVE 1 DATA	
P.C.	248+89.73
NAD27-BLM15 (NORTH)	
X=	2,294,924.80'
Y=	10,170,571.01'
Lat. 28° 00' 42.451"N	
Lon. 90° 58' 15.874"W	
NAD27-LA SOUTH	
X=	2,116,953.91'
Y=	-237,999.85'
P.T.	377+78.44
NAD27-BLM15 (NORTH)	
X=	2,303,425.53'
Y=	10,179,727.35'
Lat. 28° 02' 11.684"N	
Lon. 90° 56' 39.335"W	
NAD27-LA SOUTH	
X=	2,125,580.84'
Y=	-228,955.12'
P.I.	1
NAD27-BLM15 (NORTH)	
X=	2,297,077.98'
Y=	10,177,096.21'
NAD27-LA SOUTH	
X=	2,119,195.79'
Y=	-231,501.52'
Radius	15,000.00'
Delta	49° 13' 25"
Tangent	6,871.27'
Length	12,886.71'

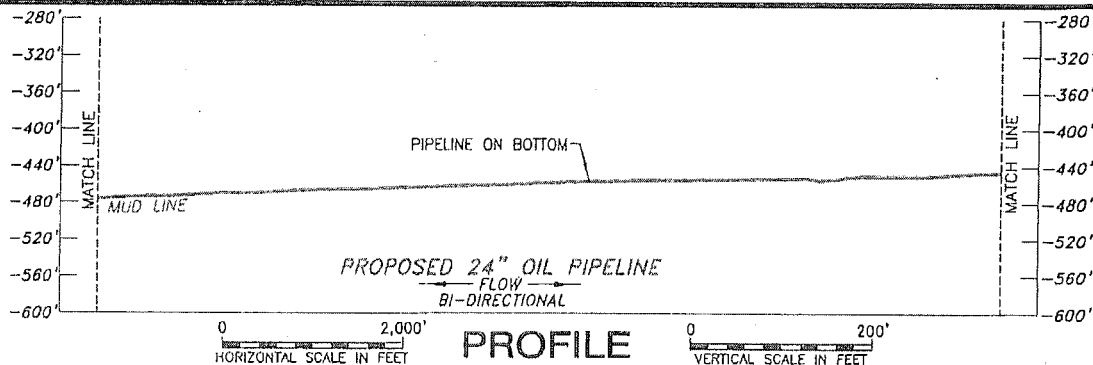
SHIP SHOAL AREA LA South Zone
EWING BANK AREA BLM 15 Zone

EW945

EW946

PLAN

0 2,000'
SCALE IN FEET



PROFILE



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dvlper Dr. Lafayette, Louisiana 70508-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET 0 2,000'

Job No.: 14-01189

Date: 9/22/14

Drwn: MGK

Chart: Of:

Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

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FEB 23 2015

SS351

SS352

SS357

SS356

PROPOSED
24" OIL PIPELINE

N67° 29' 07"E
FLOW
BI-DIRECTIONAL

Match Line

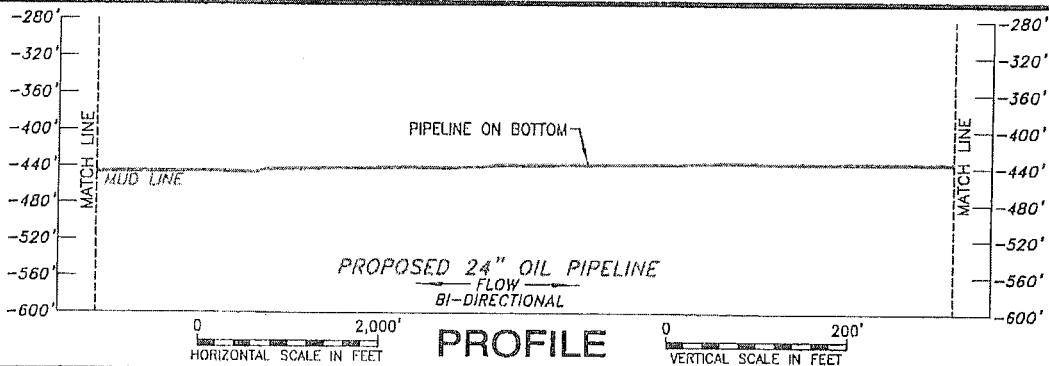
Match Line

Existing Bank
3 MILE ZONE

PLAN

0 2,000'
SCALE IN FEET

GRID NORTH



PROFILE



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

709 Dufferin Dr., Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET 0 2,000'

Job No.: 14-01189

Date: 9/22/14

Drwn: MGK

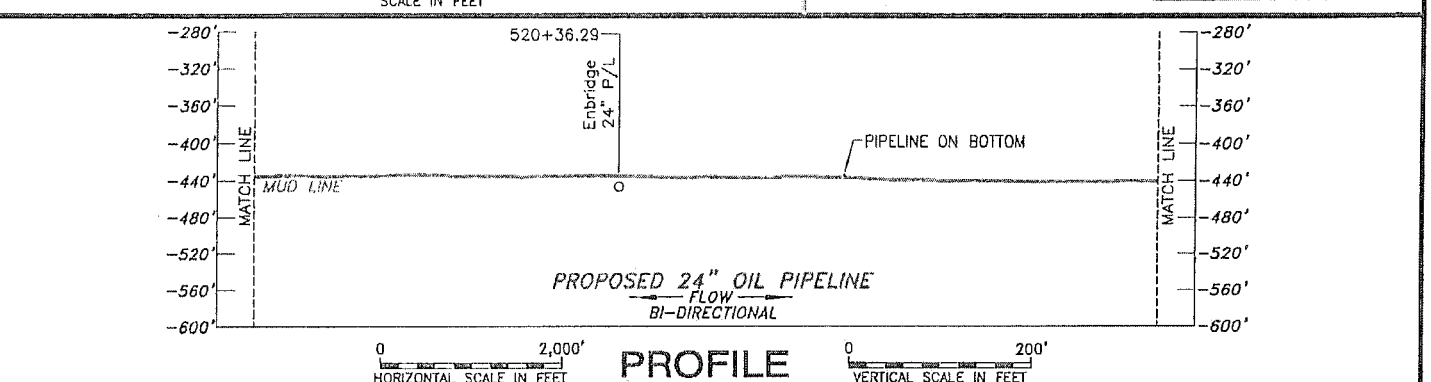
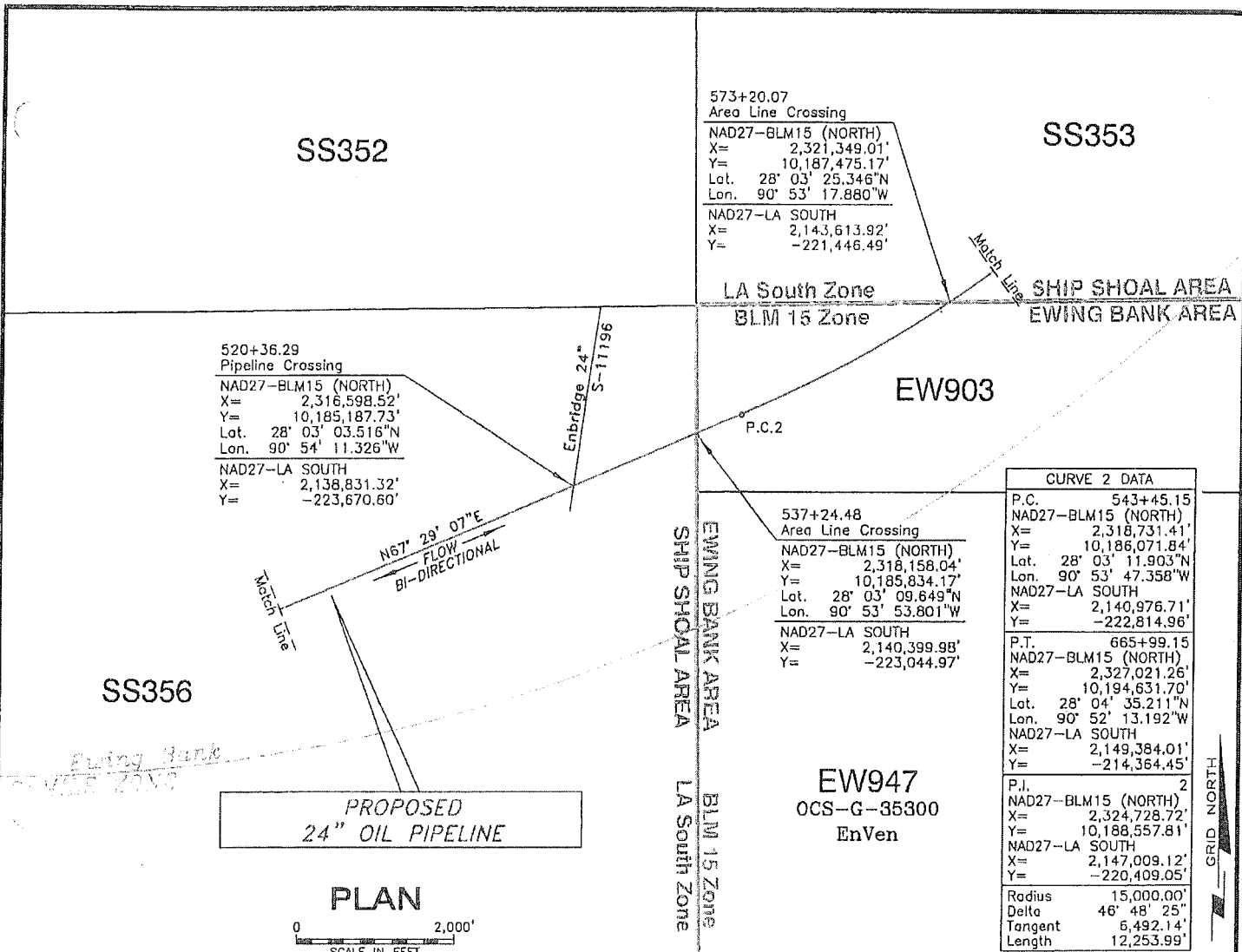
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FEB 23 2015





Shell Pipeline Company LP

PROPOSED 24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dukes Dr. Lafayette, Louisiana 70504-3001 (337) 237-1300

GEODETIC DATUM: NAD27 PROJECTION: BLM 15 (NORTH) GRID UNITS: US SURVEY FEET		SCALE IN FEET	
Job No.: 14-01189	Date: 9/22/14	Drwn: MGK	Chart: Of:
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FEB 23 2015

CURVE 2 DATA	
P.C.	543+45.15
NAD27-BLM15 (NORTH)	
X=	2,318,731.41'
Y=	10,186,071.84'
Lat.	28° 03' 11.903"N
Lon.	90° 53' 47.358"W
NAD27-LA SOUTH	
X=	2,140,976.71'
Y=	-222,814.96'
P.T.	665+99.15
NAD27-BLM15 (NORTH)	
X=	2,327,021.26'
Y=	10,194,631.70'
Lat.	28° 04' 35.211"N
Lon.	90° 52' 13.192"W
NAD27-LA SOUTH	
X=	2,149,384.01'
Y=	-214,364.45'
P.I.	2
NAD27-BLM15 (NORTH)	
X=	2,324,728.72'
Y=	10,188,557.81'
NAD27-LA SOUTH	
X=	2,147,009.12'
Y=	-220,409.05'
Radius	15,000.00'
Delta	46° 48' 25"
Tangent	6,492.14'
Length	12,253.99'

SS352

SS356

SS353

N20° 40' 43"E

P.T.2

FLOW
BI-DIRECTIONAL

Ewing Bank
3 MILE ZONE

PROPOSED
24" OIL PIPELINE

Match Line

SHIP SHOAL AREA
EWING BANK AREA

LA South Zone
BLM 15 Zone

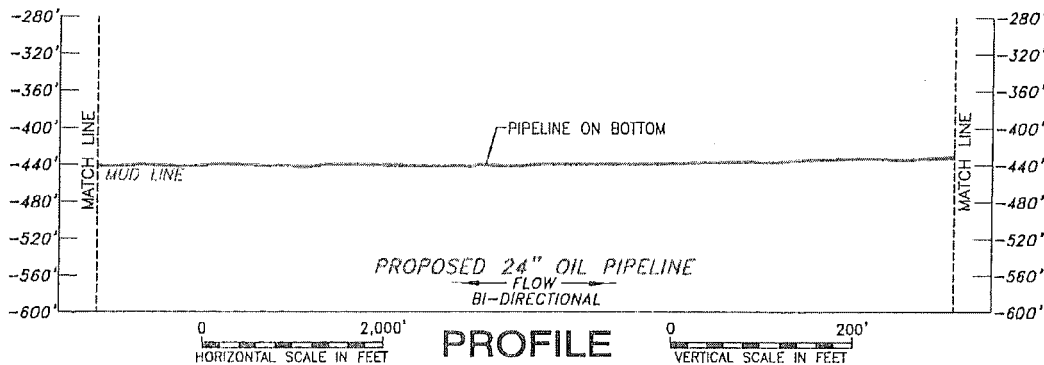
EW903

PLAN

EW904

0 2,000'
SCALE IN FEET

GRID NORTH



PROFILE



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.
200 Dulles Dr. Lafayette, Louisiana 70508-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189

Date: 9/22/14

Drwn: MGK

Chart: Of:

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

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Printed: 9/22/14

FEB 23 2015

SS334

SS333

739+88.11
Black Line Crossing
NAD27-BLM15 (NORTH)
X= 2,329,630.48'
Y= 10,201,544.64'
Lat. 28° 05' 43.188"N
Lon. 90° 51' 42.717"W
NAD27-LA SOUTH
X= 2,152,086.97'
Y= -207,484.95'

PROPOSED
24" OIL PIPELINE

700+49.50
Pipeline Crossing
NAD27-BLM15 (NORTH)
X= 2,328,239.66'
Y= 10,197,859.76'
Lat. 28° 05' 06.953"N
Lon. 90° 51' 58.963"W
NAD27-LA SOUTH
X= 2,150,616.18'
Y= -211,151.98'

SS353

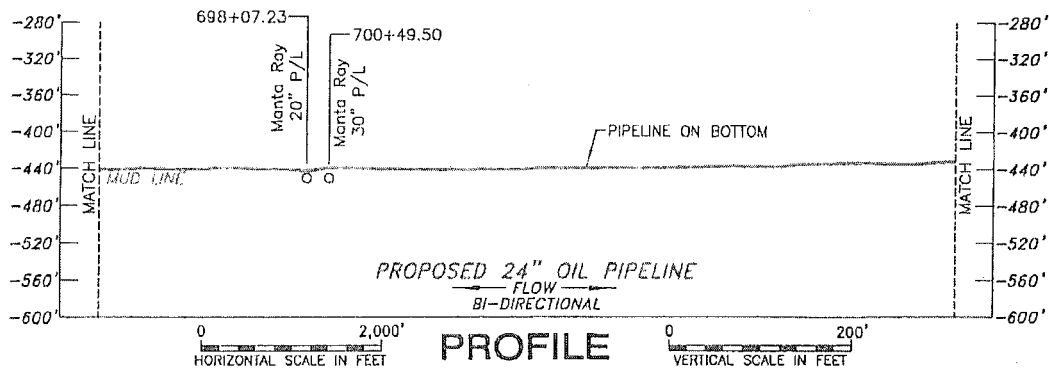
SS354
OCS-G-15312
Fieldwood Energy

Manta Ray 30" S-14077
Manta Ray 20" S-10597

698+07.23
Pipeline Crossing
NAD27-BLM15 (NORTH)
X= 2,328,154.11'
Y= 10,197,633.10'
Lat. 28° 05' 04.725"N
Lon. 90° 51' 59.962"W
NAD27-LA SOUTH
X= 2,150,557.56'
Y= -211,377.55'

PLAN

0 2,000'
SCALE IN FEET



PROFILE



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.
200 Dulles Dr. Lafayette, Louisiana 70508-3001 (337) 237-1500

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189

Date: 9/22/14

Drwn: MGK

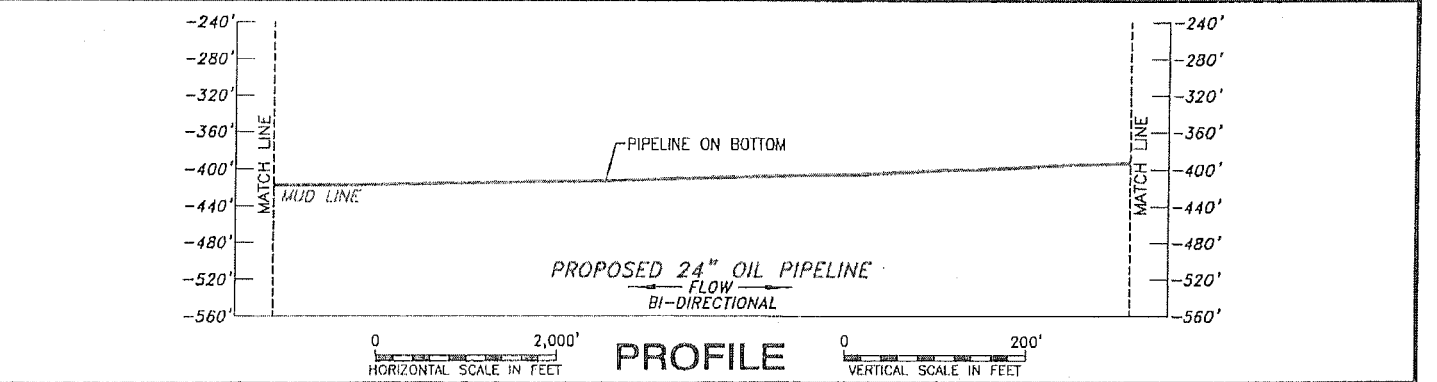
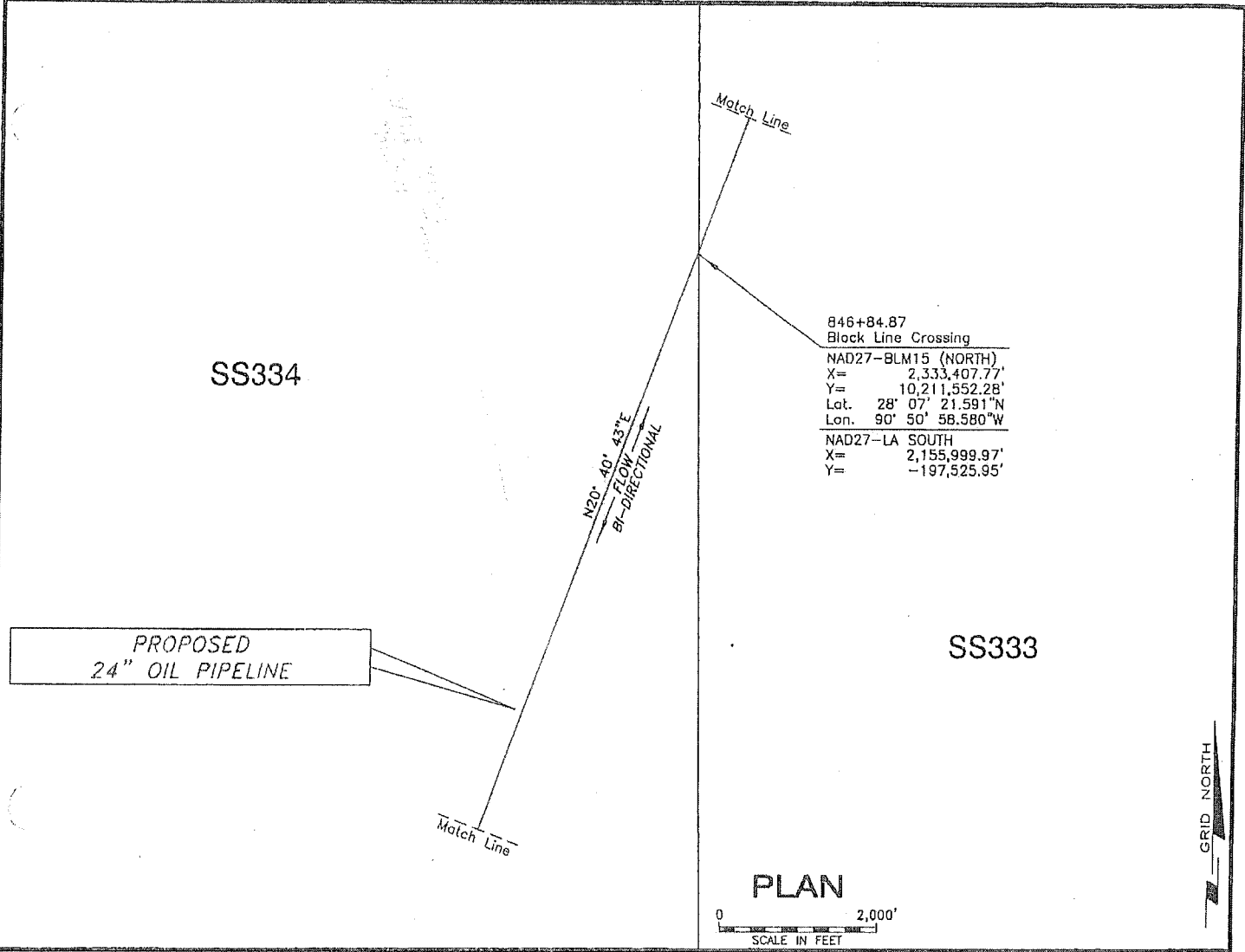
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FEB 23 2015






Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

700 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

<small> GEODETIC DATUM: NAD27 PROJECTION: BLM 15 (NORTH) GRID UNITS: US SURVEY FEET </small>		<small> SCALE IN FEET </small> 
<small>Job No.: 14-01189</small>	<small>Date: 9/22/14</small>	<small>Drwn: MGK</small>
<small>Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack</small>		<small>Chart: Of: 10 18</small>

Printed: 9/22/14

FEB 23 2015

SS329
OCS-G-35240
Focus Expl.

SS330

PROPOSED
24" OIL PIPELINE

N20° 40' 43"E
FLOW
BI-DIRECTIONAL

889+84.01
Block Line Crossing
NAD27-BLM15 (NORTH)
X= 2,334,925.90'
Y= 10,215,574.45'
Lat. 28° 08' 01.139"N
Lon. 90° 50' 40.833"W
NAD27-LA SOUTH
X= 2,157,572.65'
Y= -193,523.39'

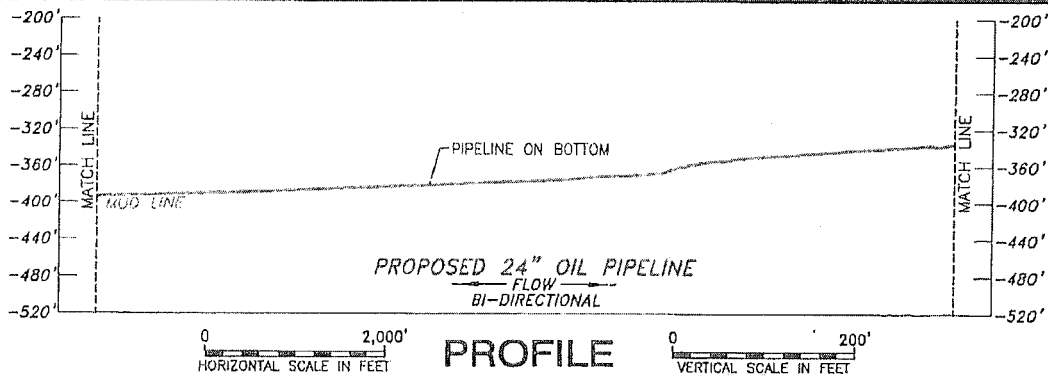
SS334

SS333

PLAN

0 2,000'
SCALE IN FEET

GRID NORTH



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.
200 Dulles Dr., Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET 0 2,000'

Job No.: 14-01189

Date: 9/22/14

Drwn: MGK

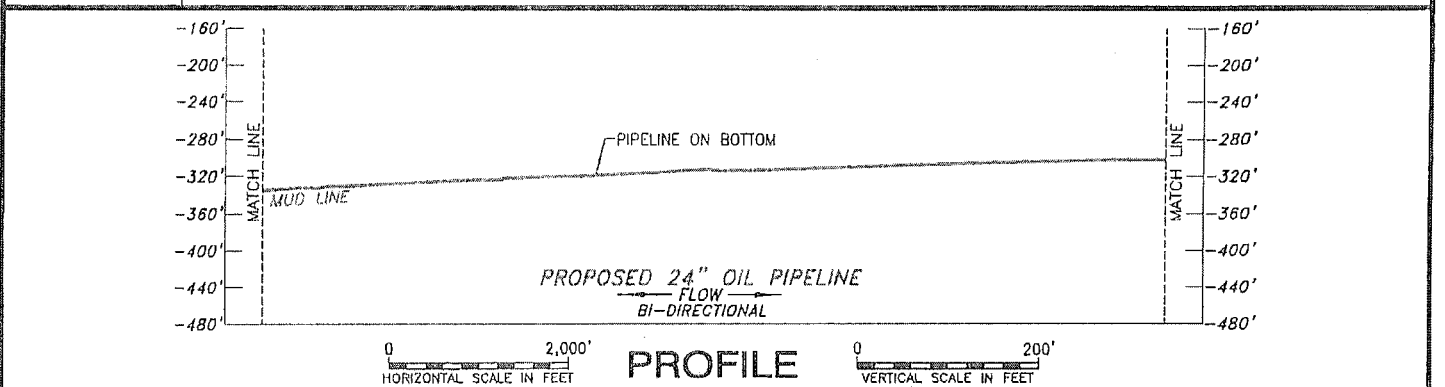
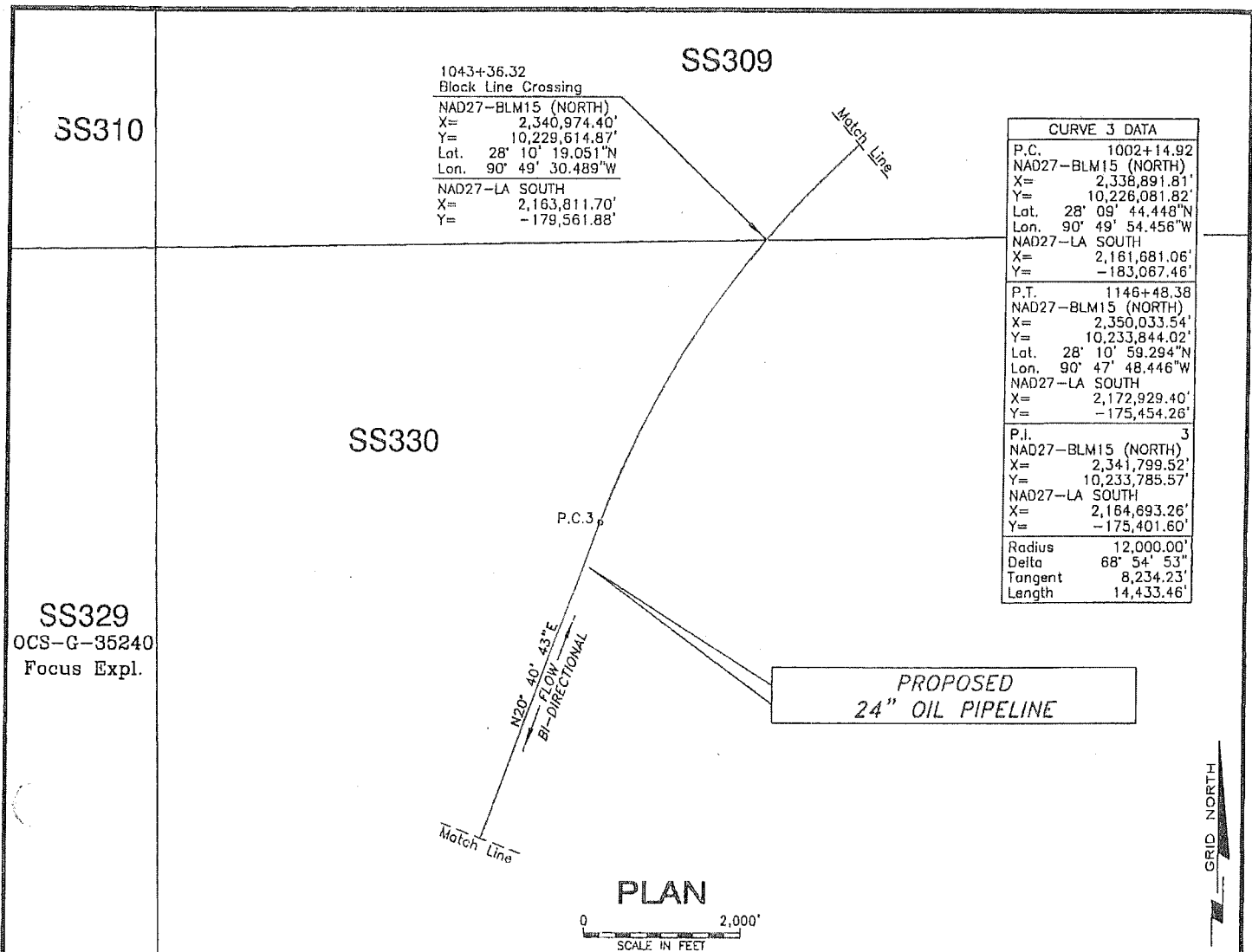
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Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Ambarjack

11 18

FEB 23 2015



Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70505-3001 (337) 257-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189 Date: 9/22/14

Drwn: NGK

Chart: Of:

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

12 18

Printed: 9/22/14

FEB 23 2015

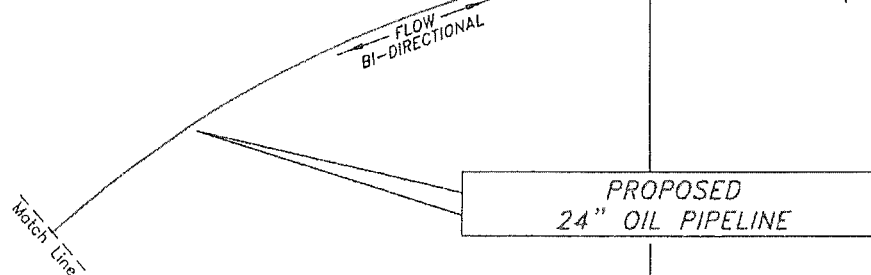
CURVE 3 DATA	
P.C.	1002+14.92
NAD27-BLM15 (NORTH)	
X=	2,338,891.81'
Y=	10,226,081.82'
Lat.	28° 09' 44.448"N
Lon.	90° 49' 54.456"W
NAD27-LA SOUTH	
X=	2,161,681.06'
Y=	-183,067.46'
P.T.	1146+48.38
NAD27-BLM15 (NORTH)	
X=	2,350,033.54'
Y=	10,233,844.02'
Lat.	28° 10' 59.294"N
Lon.	90° 47' 48.446"W
NAD27-LA SOUTH	
X=	2,172,929.40'
Y=	-175,454.26'
P.I.	3
NAD27-BLM15 (NORTH)	
X=	2,341,799.52'
Y=	10,233,785.57'
NAD27-LA SOUTH	
X=	2,164,693.26'
Y=	-175,401.60'
Radius	12,000.00'
Delta	68° 54' 53"
Tangent	8,234.23'
Length	14,433.46'

SS309

SS308

1133+16.99
Block Line Crossing
NAD27-BLM15 (NORTH)
X= 2,348,705.44'
Y= 10,233,760.81'
Lat. 28° 10' 58.709"N
Lon. 90° 48' 03.298"W
NAD27-LA SOUTH
X= 2,171,599.97'
Y= -175,519.57'

N89° 35' 36"E
P.T.3
Match Line

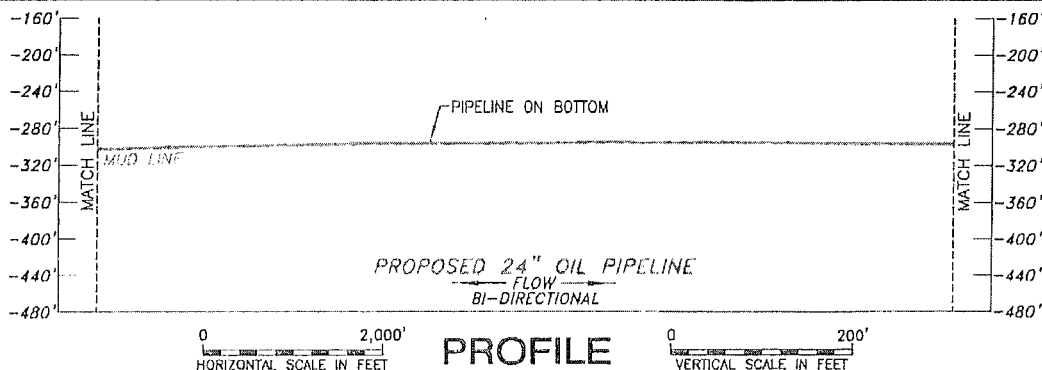


SS330

PLAN

0 2,000'
SCALE IN FEET

SS331
OCS-G-35241
LLOG



0 2,000'
HORIZONTAL SCALE IN FEET

PROFILE

0 200'
VERTICAL SCALE IN FEET



Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dukes Dr., Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETTIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:

Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

13 18

FFB 2 3 2015

SS308

SS309

1186+08.01
Pipeline Crossing

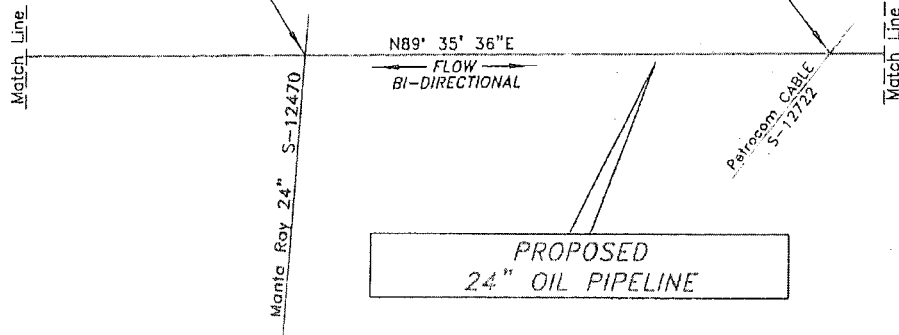
NAD27-BLM15 (NORTH)
X= 2,353,993.07'
Y= 10,233,872.13'
Lat. 28° 10' 58.858"N
Lon. 90° 47' 04.211"W

NAD27-LA SOUTH
X= 2,176,889.91'
Y= -175,479.54'

1244+02.21
Cable Crossing

NAD27-BLM15 (NORTH)
X= 2,359,787.12'
Y= 10,233,913.27'
Lat. 28° 10' 58.213"N
Lon. 90° 45' 59.481"W

NAD27-LA SOUTH
X= 2,182,685.35'
Y= -175,516.49'



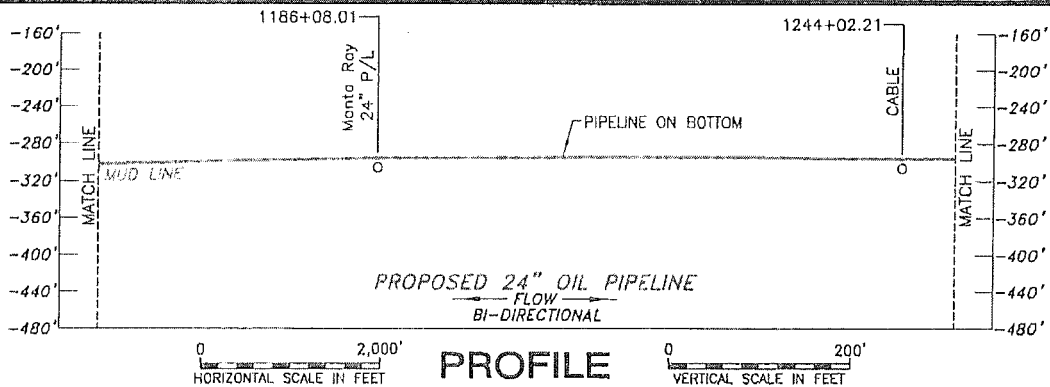
SS330

PLAN



SS331

OCS-G-35241
LLOG



PROFILE



Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Duttes Dr., Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

14 18

Printed: 9/22/14

FEB 23 2015

SS308

SOUTH TIMBALIER AREA
SHIP SHOAL AREA

ST299
OCS-G-21683
McMoRan

PROPOSED
24" OIL PIPELINE

Match Line

N89° 35' 36"E
FLOW
BI-DIRECTIONAL

P.C.4 P.T.4

N87° 24' 22"E

Match Line

1297+26.57
Area Line Crossing
NAD27-BLM15 (NORTH)
X= 2,365,111.35'
Y= 10,233,951.07'
Lat. 28° 10' 57.613"N
Lon. 90° 45' 00.001"W
NAD27-LA SOUTH
X= 2,188,010.81'
Y= -175,550.41'

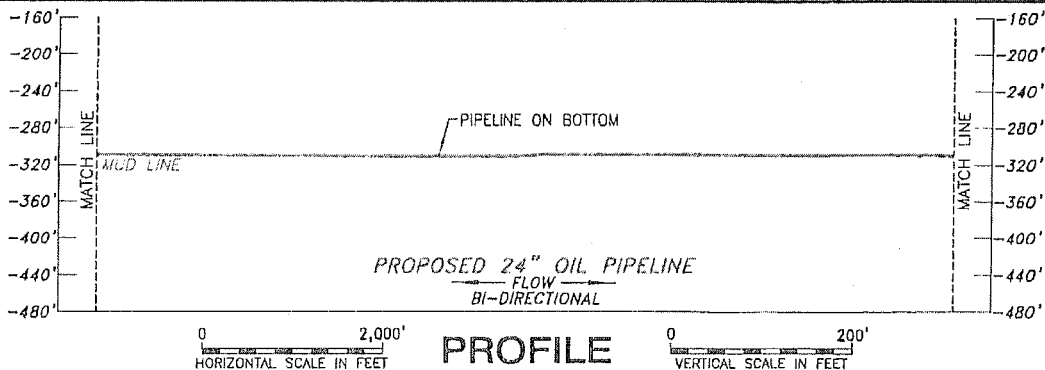
CURVE 4 DATA	
P.C.	1311+14.76
NAD27-BLM15 (NORTH)	
X=	2,366,499.50'
Y=	10,233,960.92'
Lat. 28° 10' 57.455"N	
Lon. 90° 44' 44.493"W	
NAD27-LA SOUTH	
X=	2,189,399.27'
Y=	-175,559.24'
P.T.	1316+87.31
NAD27-BLM15 (NORTH)	
X=	2,367,071.82'
Y=	10,233,975.91'
Lat. 28° 10' 57.498"N	
Lon. 90° 44' 38.097"W	
NAD27-LA SOUTH	
X=	2,189,971.87'
Y=	-175,551.96'
P.I.	4
NAD27-BLM15 (NORTH)	
X=	2,366,785.81'
Y=	10,233,962.96'
NAD27-LA SOUTH	
X=	2,189,685.64'
Y=	-175,561.06'
Radius	15,000.00'
Delta	02° 11' 13"
Tangent	286.31'
Length	572.55'

PLAN

0 2,000'
SCALE IN FEET

SS331

ST300



PROFILE

0 2,000'
HORIZONTAL SCALE IN FEET

0 200'
VERTICAL SCALE IN FEET



Shell Pipeline Company LP

PROPOSED
24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70506-5001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

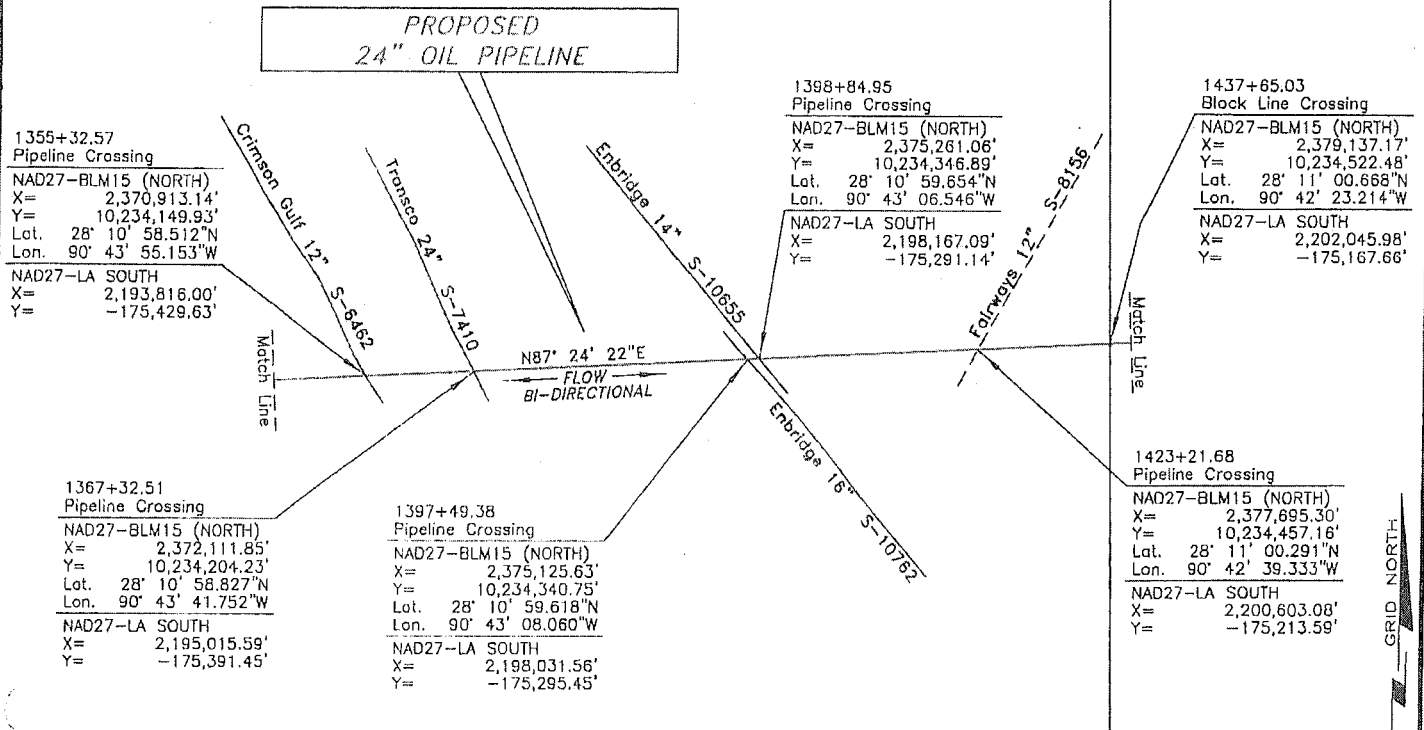
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15 18

Printed: 9/22/14

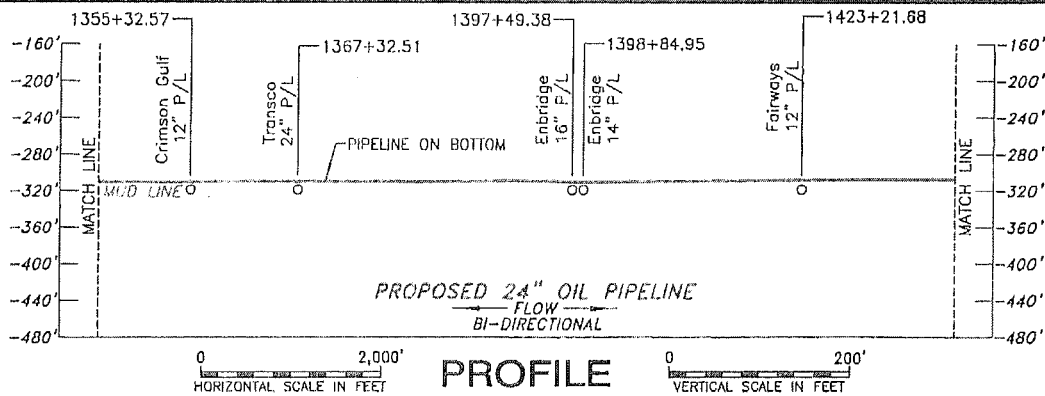
ST299
OCS-G-21683
McMoRan



ST300
OCS-G-34846
Energy Res

PLAN

ST301
OCS-G-34847
Energy Res



Shell Pipeline Company LP

PROPOSED 24" OIL PIPELINE

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Outer Dr., Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET
0 2,000'

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:

Printed: 9/22/14

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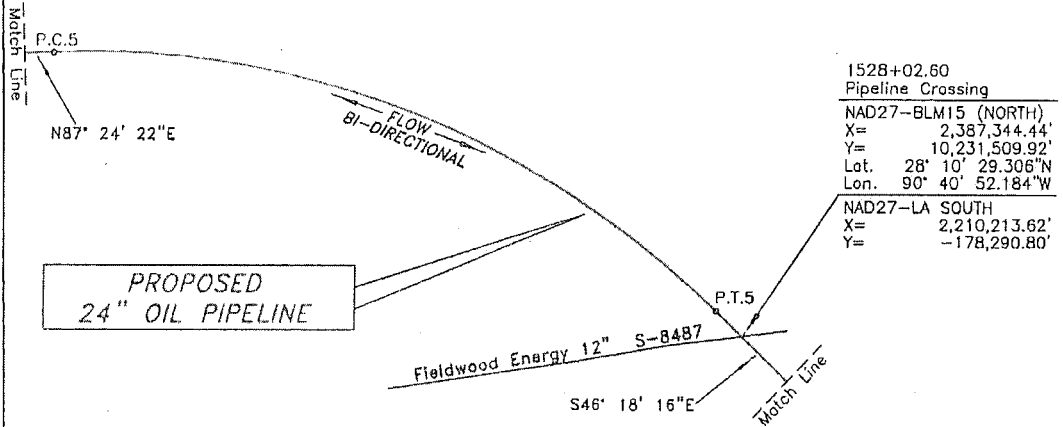
16 18

FFR 2 3 2015

ST299
OCS-G-21683
McMoRan

ST298
OCS-G-34343
Energy Res

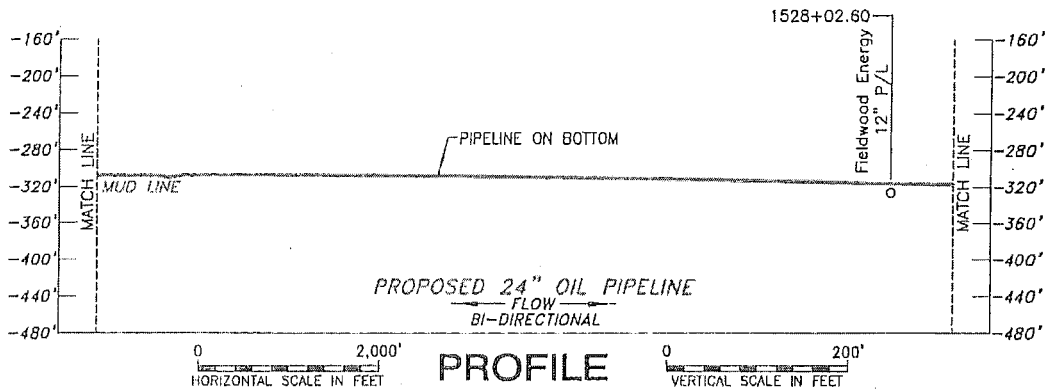
CURVE 5 DATA	
P.C.	1443+20.94
NAD27-BLM15 (NORTH)	
X=	2,379,692.51'
Y=	10,234,547.64'
Lat.	28° 11' 00.813"N
Lon.	90° 42' 17.005"W
NAD27-LA SOUTH	
X=	2,202,601.72'
Y=	-175,149.96'
P.T.	1523+99.94
NAD27-BLM15 (NORTH)	
X=	2,387,053.31'
Y=	10,231,788.09'
Lat.	28° 10' 32.114"N
Lon.	90° 40' 55.377"W
NAD27-LA SOUTH	
X=	2,209,926.19'
Y=	-178,008.69'
P.I.	5
NAD27-BLM15 (NORTH)	
X=	2,383,962.70'
Y=	10,234,741.08'
NAD27-LA SOUTH	
X=	2,208,874.95'
Y=	-175,013.90'
Radius	10,000.00'
Delta	46° 17' 21"
Tangent	4,274.57'
Length	8,079.00'



ST300
OCS-G-34846
Energy Res

ST301
OCS-G-34847
Energy Res

PLAN



Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70505-3001 (337) 737-1300

GEODETIC DATUM: NAD27
PROJECTION: GCS 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
IN FEET

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:
17 18

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

Printed: 9/22/14

FEB 23 2015

ST298
OCS-G-34343
Energy Res

ST297
OCS-G-35259
Walter

1546+16.88
Block Line Crossing
NAD27-BLM15 (NORTH)
X= 2,388,656.20'
Y= 10,230,256.58'
Lat. 28° 10' 16.653"N
Lon. 90° 40' 37.802"W
NAD27-LA SOUTH
X= 2,211,508.68'
Y= -179,561.88'

1592+09.28
Pipeline Crossing
NAD27-BLM15 (NORTH)
X= 2,391,976.60'
Y= 10,227,084.03'
Lat. 28° 09' 44.622"N
Lon. 90° 40' 01.400"W
NAD27-LA SOUTH
X= 2,214,786.83'
Y= -182,779.29'

ST301
OCS-G-34847
Energy Res

1540+86.11
Pipeline Crossing
NAD27-BLM15 (NORTH)
X= 2,388,272.44'
Y= 10,230,623.24'
Lat. 28° 10' 20.354"N
Lon. 90° 40' 42.009"W
NAD27-LA SOUTH
X= 2,211,129.81'
Y= -179,190.03'

WYE Spool Piece length
279.19'
1599+22.55 ST Bk 301
Tie-in to WYE
NAD27-BLM15 (NORTH)
X= 2,392,480.23'
Y= 10,226,788.21'
Lat. 28° 09' 41.598"N
Lon. 90° 39' 55.839"W
NAD27-LA SOUTH
X= 2,215,286.54'
Y= -183,081.90'

ST302

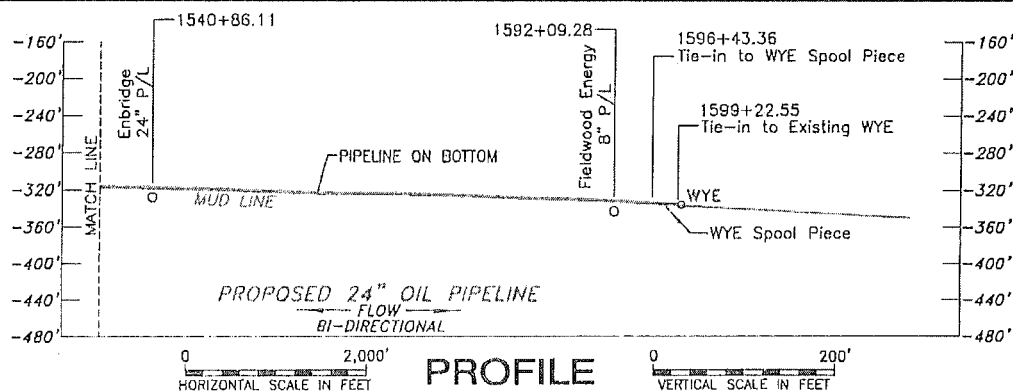
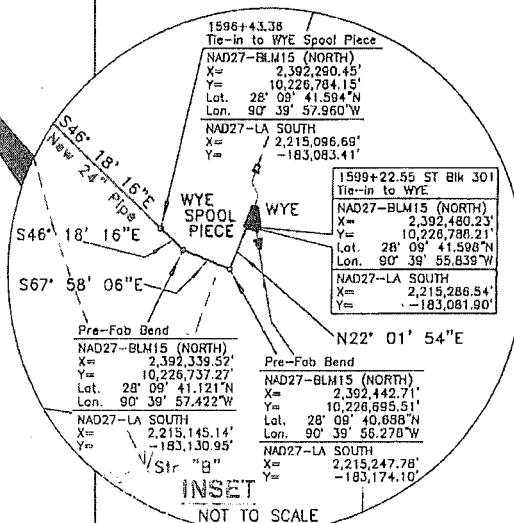
1596+43.36
Tie-in to WYE Spool Piece
NAD27-BLM15 (NORTH)
X= 2,392,290.45'
Y= 10,226,784.15'
Lat. 28° 09' 41.594"N
Lon. 90° 39' 57.960"W
NAD27-LA SOUTH
X= 2,215,096.69'
Y= -183,083.41'

**PROPOSED
24" OIL PIPELINE**

LENGTH OF MAIN 24" LINE= 159,643.36' = 30.24 MI.
LENGTH OF RISER SPOOL PIECE= 435.44' = 00.08 MI.
LENGTH OF WYE SPOOL PIECE= 279.19' = 00.05 MI.
TOTAL LENGTH= 160,357.99' = 30.37 MI.

PLAN

0 2,000'
SCALE IN FEET



Shell Pipeline Company LP

**PROPOSED
24" OIL PIPELINE**

GREEN CANYON 19-STR "A" to
SOUTH TIMBALIER 301-Existing WYE
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70505-3001 (337) 737-1300

GEODETIC DATUM: NAD27
PROJECTION: BLM 15 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET
0 2,000'

Job No.: 14-01189 Date: 9/22/14

Drwn: MGK

Chart: Of:

Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack

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Printed: 9/22/14

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