



REPLY TO  
ATTENTION OF

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

March 16, 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

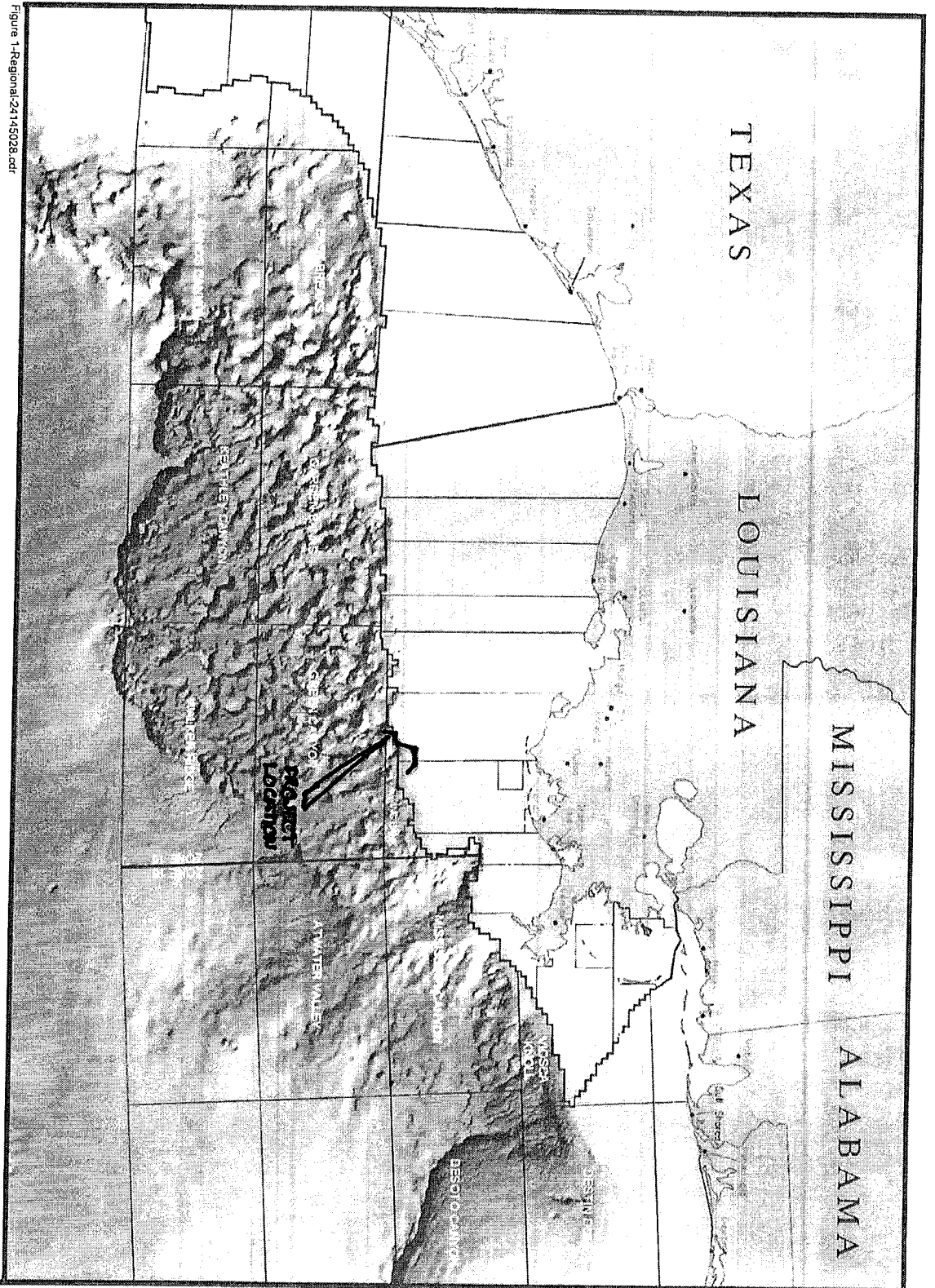


Figure 1-Regional-24145028.cdr

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



**PROPOSED 24" OIL PIPELINE**  
 GREEN CANYON 19-STR "A" to  
 SOUTH TIMBALIER 301-EXISTING WYE  
 GULF OF MEXICO  
**FUGRO CHANGE INC.**  
 200 Dallas Dr., Lafayette, Louisiana 70508-3001 (337) 237-1300

Shell Pipeline Company LP

Job No.: 14-01189 Date: 9/22/14  
 Projection: GDM 15 (NORTH)  
 GRID UNITS: US SURVEY FEET  
 GEODETIC DATUM: NAD83  
 SCALE IN FEET  
 SCALE 0 30,000'

Dwgfile: H:\2014\1401189\CAD\14-01189PP\_24\_Amberdock\_Cover  
 Printed: 9/22/14  
 Chart: 01 18

**VICINITY MAP**  
 SCALE IN MILES 0 100  
 ALMINOS CANYON  
 KEARLEY CANYON  
 WALKER RIDGE  
 GREEN CANYON  
 EAST BREAKS  
 GARDEN BANKS  
 LOCATION OF PROPOSED PIPELINE  
 BRAZOS CALVESTON HIGH ISLAND GARDEN WEST EAST WEST GARDEN EAST WALKER S. JACOB S. JACOB SHIP SOUTH TIMBALIER IS. BANK

249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	161
73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	
29	28	27	26	25	24	23	22	21	20	19	18	17	16	5	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	
911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	362	361	360	359	358	357	356	355	354	353	352	351	350	349	348	
867	867	867	867	867	867	867	867	867	867	867	867	867	867	867	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	
310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	341	340	339	338	337	336	335	334	333	332	331	330	329	328	327	
305	304	303	302	301	300	301	302	303	304	305	306	307	308	309	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	
294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	
277	276	275	274	273	272	271	270	269	268	267	266	265	264	263	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	
266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	
249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	271	275	276	277	278	279	280	281	282	283	284	285	286	287	288	

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

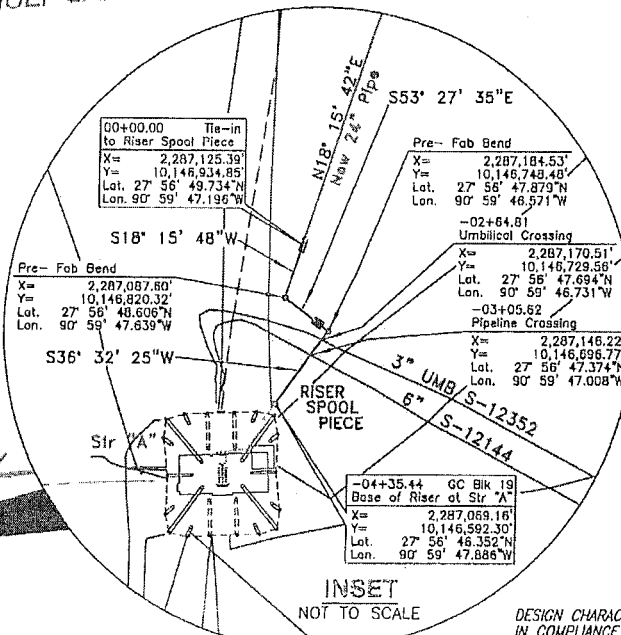
GC19  
OCS-G-34961  
W & T

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

EWING BANK AREA  
GREEN CANYON AREA  
GULF SAFETY FAIRWAY

N18° 15' 42"E  
BI-DIRECTIONAL  
FLOW



GC20

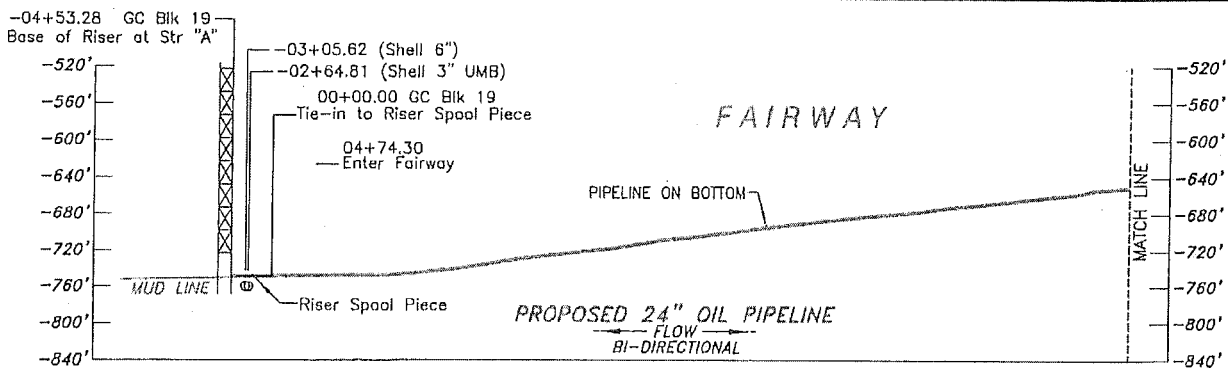
GRID NORTH

PLAN

0 2,000'  
SCALE IN FEET

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

AREA ENGINEER



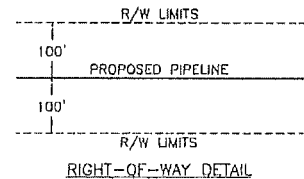
0 2,000'  
HORIZONTAL SCALE IN FEET

PROFILE

0 200'  
VERTICAL SCALE IN FEET

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

STATE OF LOUISIANA  
STEPHEN R. HENRY  
REG. No. 4903  
REGISTERED PROFESSIONAL LAND SURVEYOR  
REG. PROFESSIONAL LAND SURVEYOR NO. 4903  
STATE OF LOUISIANA 9-22-14



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.

Printed: 9/22/14



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 DuBose Dr. Lafayette, Louisiana 70506-3001 (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: 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

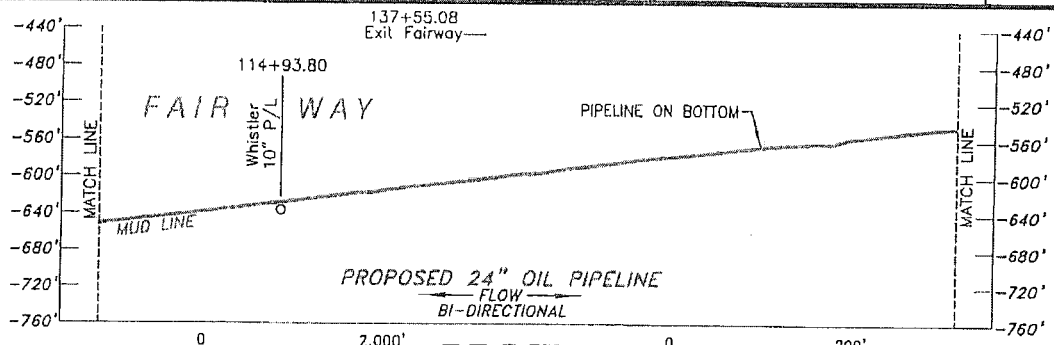
Whistler 10" S-8411

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

Match Line

PLAN



PROFILE



Shell Pipeline Company LP

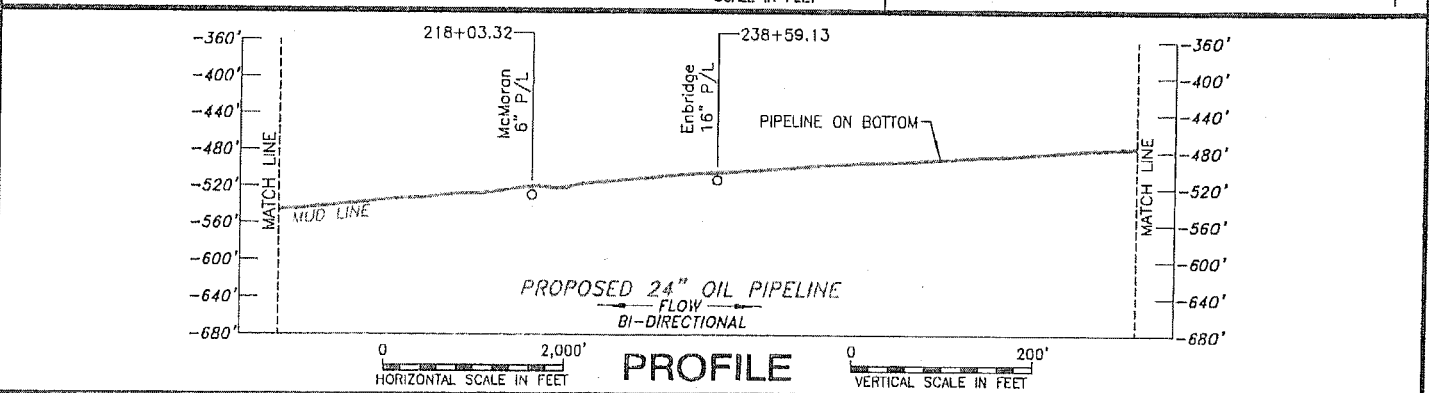
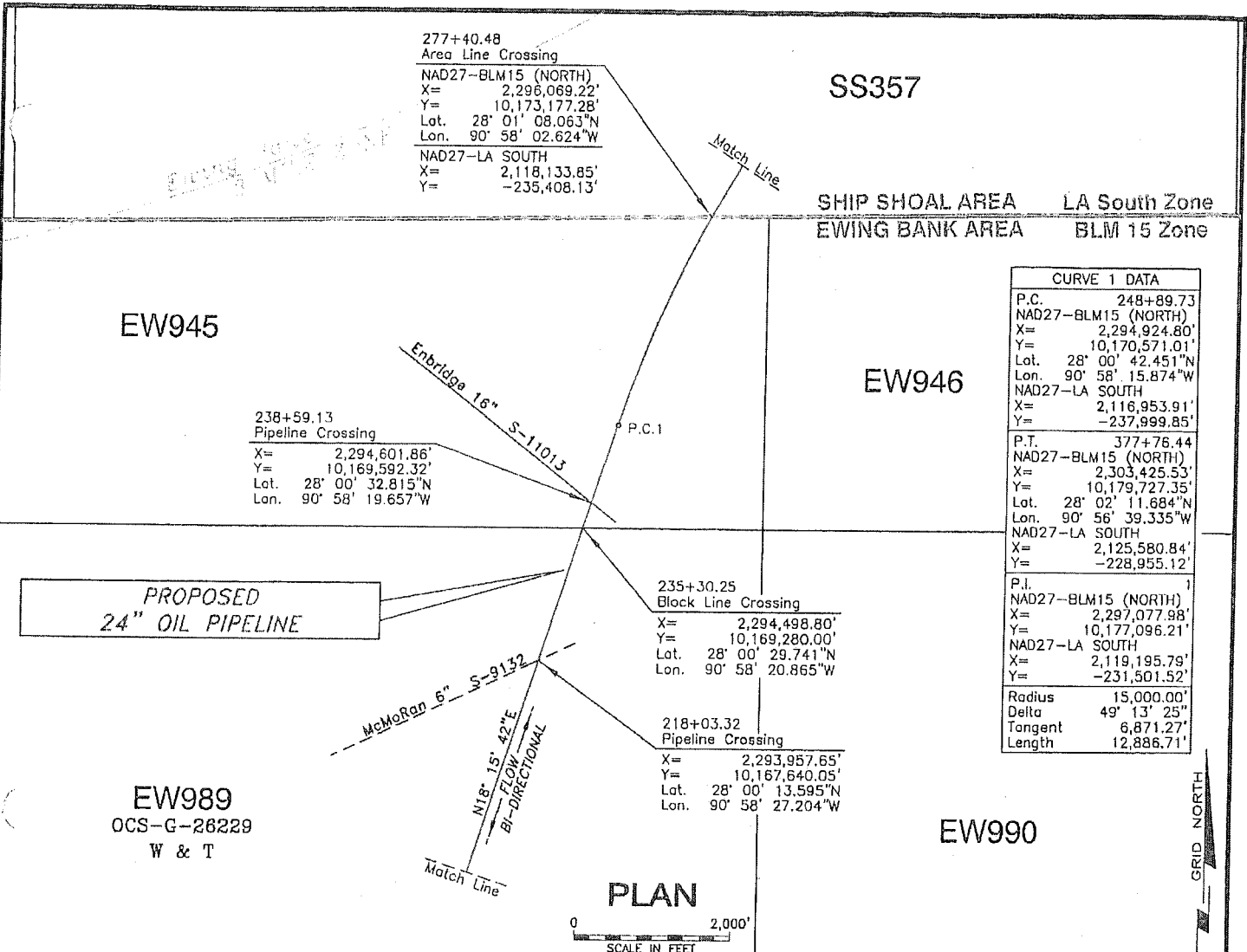
PROPOSED  
24" OIL PIPELINE  
GREEN CANYON 19-STR "A" to  
SOUTH TIMBALIER 301-Existing WYE  
GULF OF MEXICO

FUGRO CHANCE INC.  
500 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1500

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
Dwgfile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack		Chart: Of: 3 18

Printed: 9/22/14

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 70506-3001 (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: 4 18

Printed: 9/22/14 Dwgfile: H:\2014\1401189\CAD\14-D1189PP\_24\_Amberjack



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  
Match Line  
P.T.1

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'

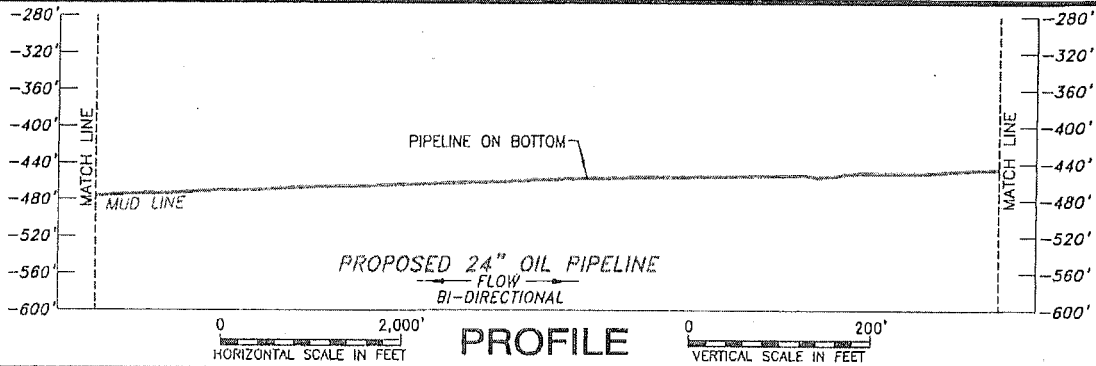
FLOW  
BI-DIRECTIONAL

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

EW945

EW946

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 70508-3001 (337) 237-1300

GEODEIC 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

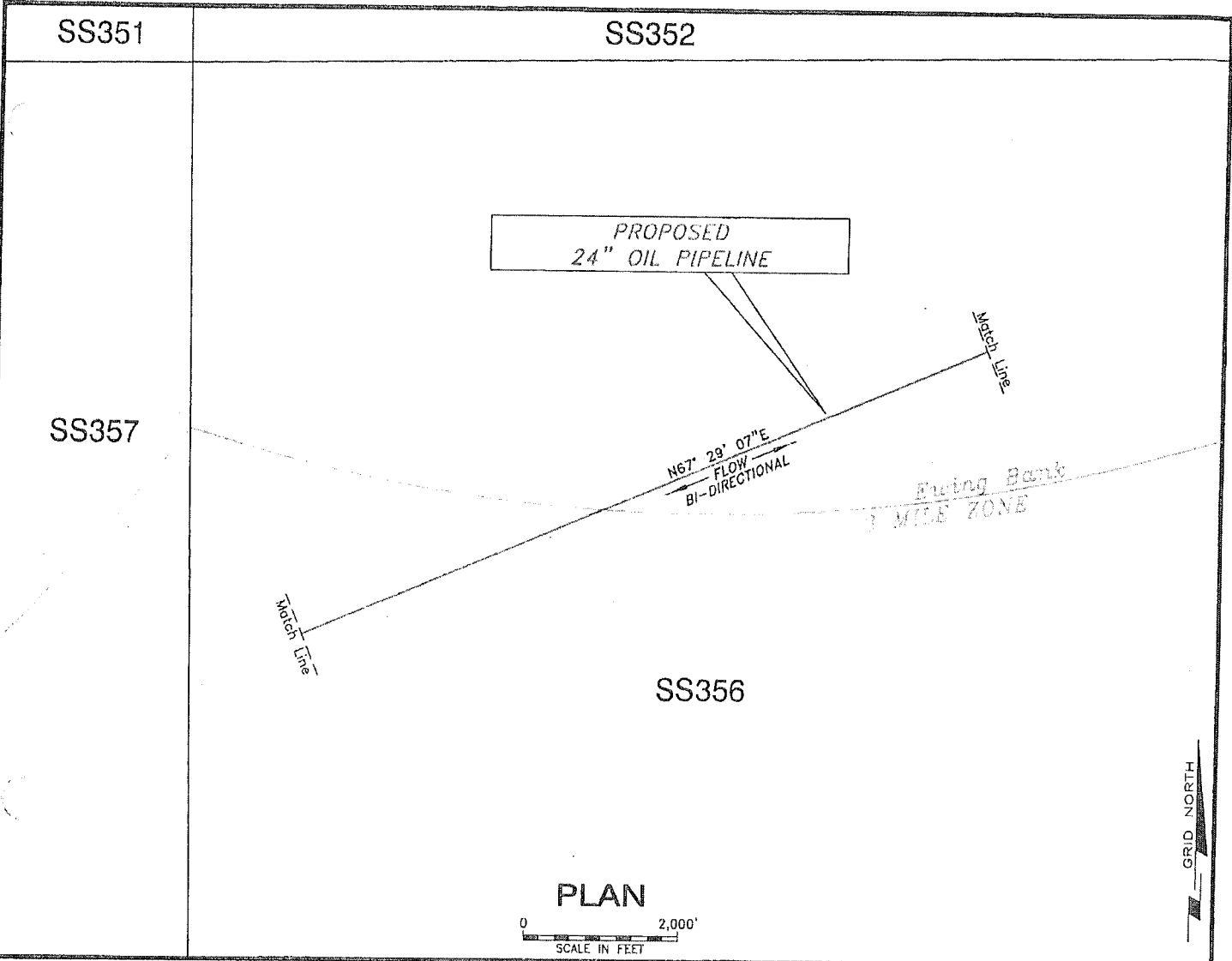
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Printed: 9/22/14

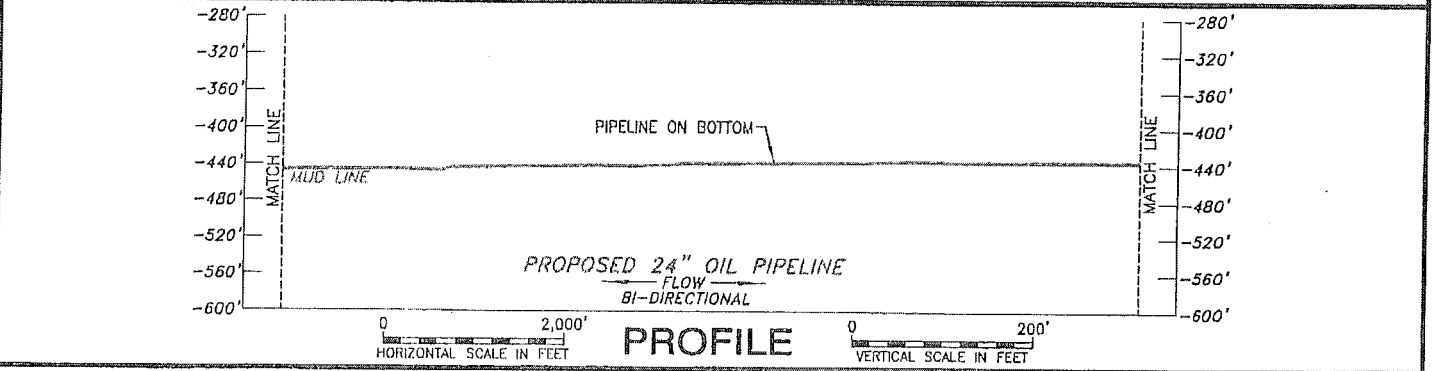
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FEB 23 2015




**PLAN**



**PROFILE**






## Shell Pipeline Company LP

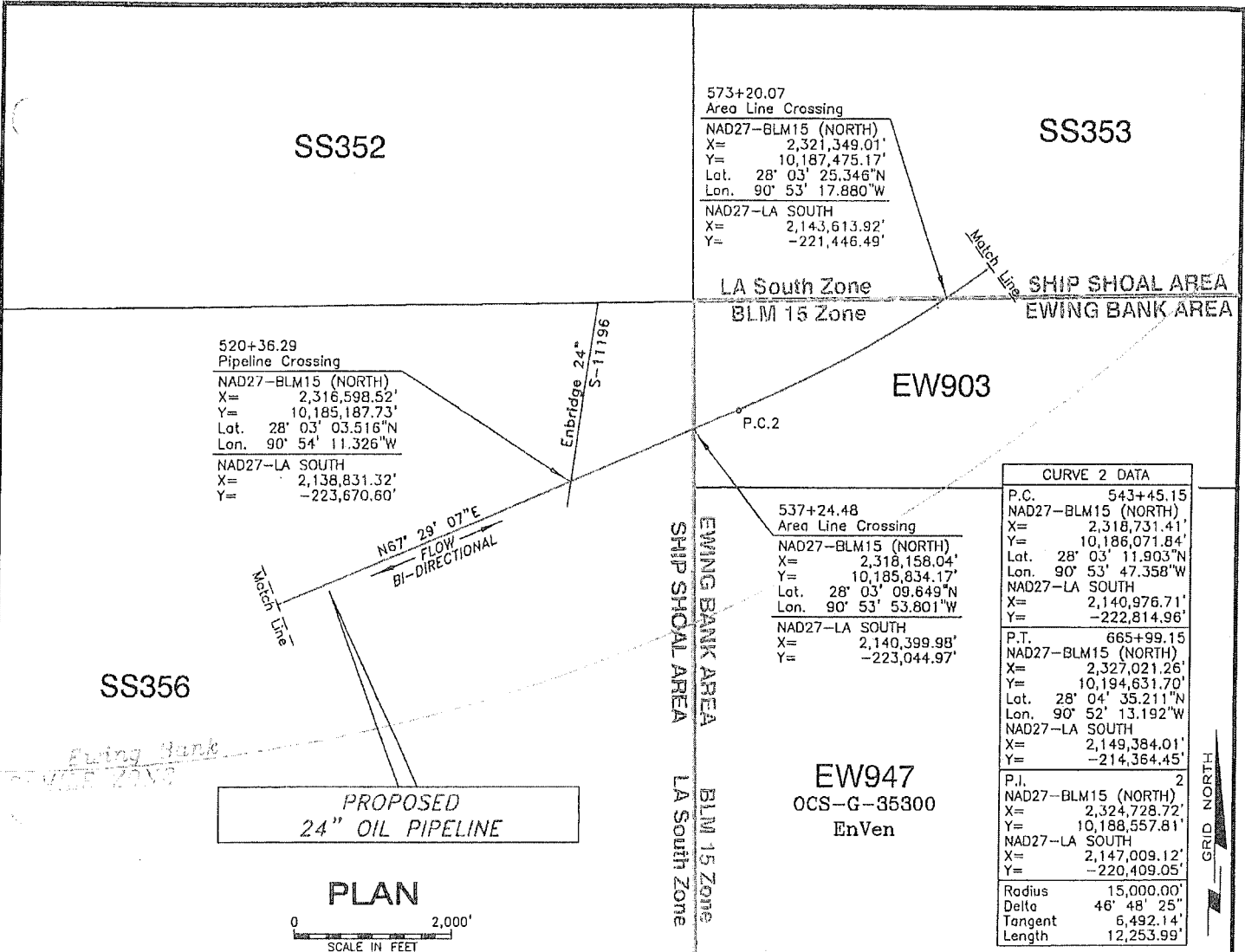
**PROPOSED  
24" OIL PIPELINE**  
GREEN CANYON 19-STR "A" to  
SOUTH TIMBALIER 301-Existing WYE  
GULF OF MEXICO

**FUGRO CHANCE INC.**  
709 Dallas Dr., Lafayette, Louisiana 70506-3001 (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:

Printed: 9/22/14    Dwgfile: H:\2014\1401189\CAD\14-D1189PP\_24\_Amberjack

FEB 23 2015

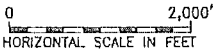
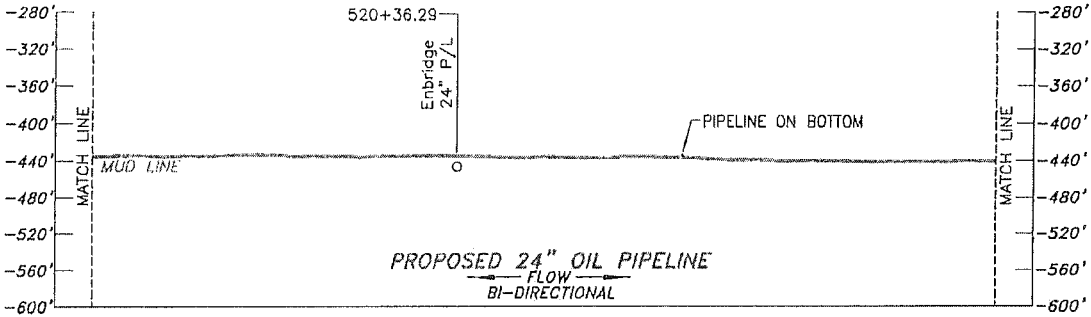


PROPOSED  
24" OIL PIPELINE

PLAN



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'



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 Bullock Dr. Lafayette, Louisiana 70506-3001 (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: 7 18

Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP\_24\_Amberjack

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'

SS353

N20° 40' 43"E

Match Line

P.P.T.2

EWING BANK AREA  
3 MILE ZONE

PROPOSED  
24" OIL PIPELINE

Match Line

SHIP SHOAL AREA  
EWING BANK AREA

LA South Zone  
BLM 15 Zone

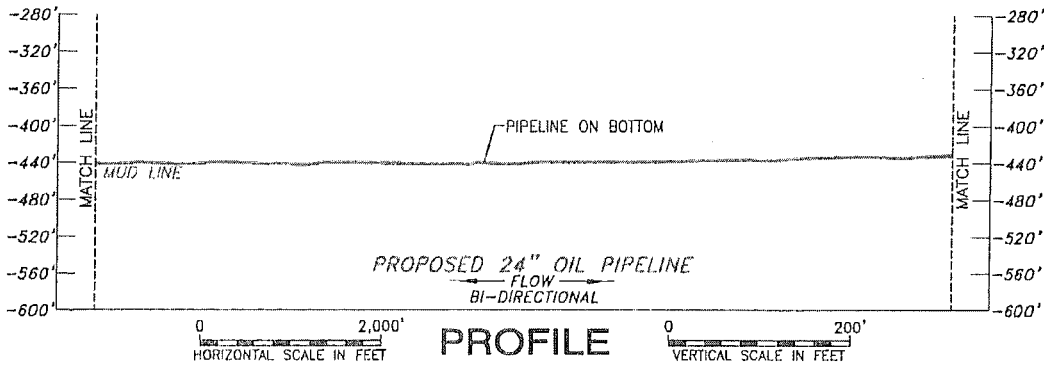
EW903

PLAN

EW904



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

GEODEIC 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\_Ambarjack

8 18

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

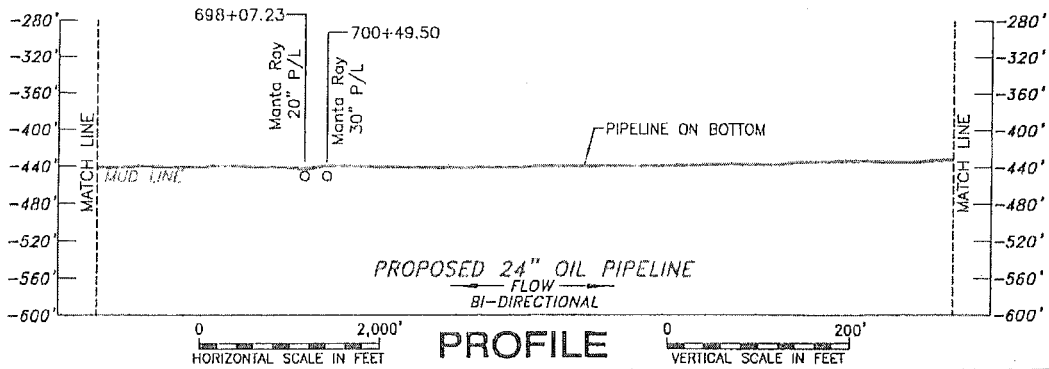
Manta Ray 30" S-14077  
Manta Ray 20" S-10597

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'

SS354  
OCS-G-15312  
Fieldwood Energy

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 70509-3001 (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

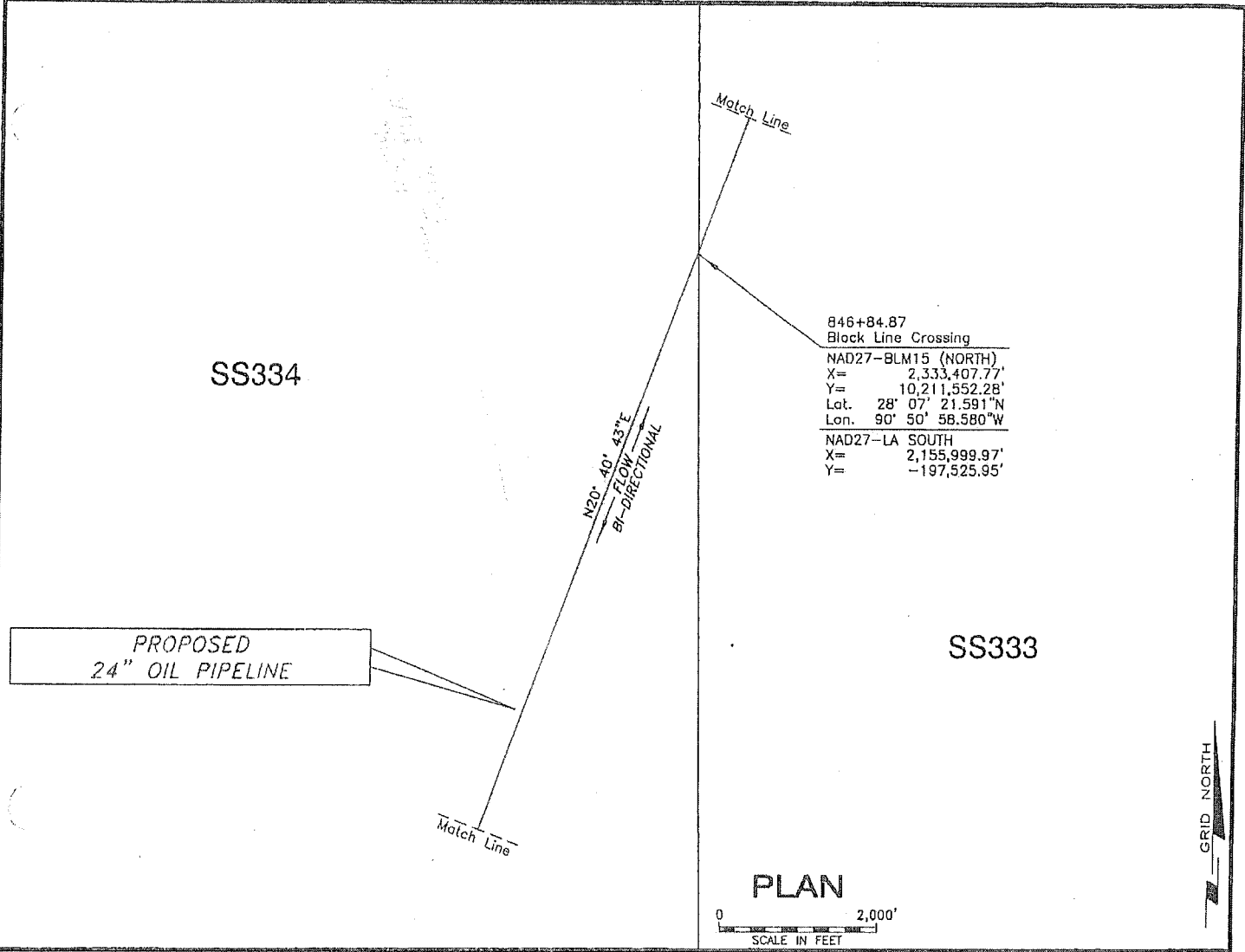
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Printed: 9/22/14

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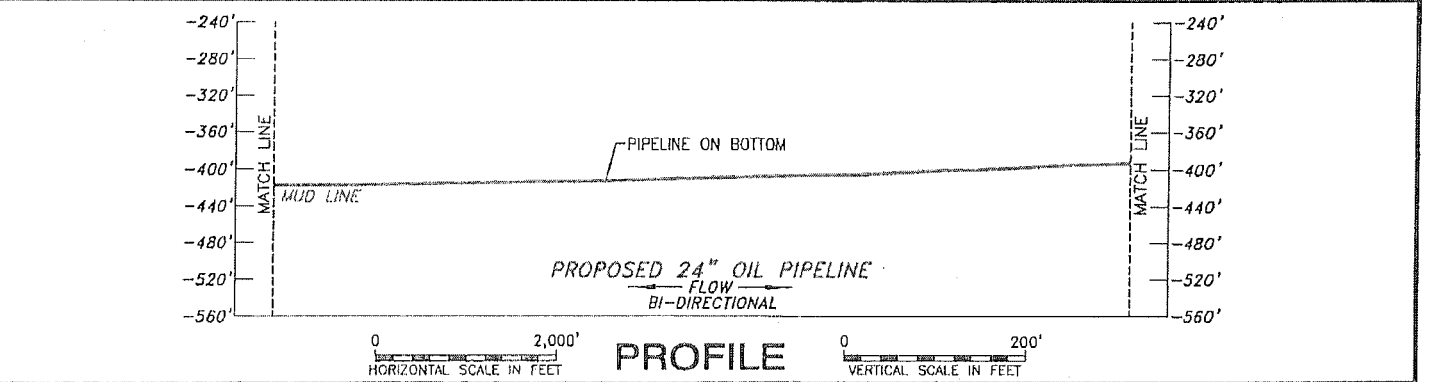
9 18

FEB 23 2015





846+84.87  
 Block Line Crossing  
 NAD27-BLM15 (NORTH)  
 X= 2,333,407.77'  
 Y= 10,211,552.28'  
 Lat. 28° 07' 21.591"N  
 Lon. 90° 50' 58.580"W  
 NAD27-LA SOUTH  
 X= 2,155,999.97'  
 Y= -197,525.95'

**PLAN**



**PROFILE**



 <b>Shell Pipeline Company LP</b>	
<b>PROPOSED          24" OIL PIPELINE</b> GREEN CANYON 19-STR "A" to SOUTH TIMBALIER 301-Existing WYE GULF OF MEXICO	
<b>FUGRO CHANCE INC.</b> <small>200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300</small>	
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: 10 18
DwgFile: H:\2014\1401189\CAD\14-01189PP_24_Amberjack	

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'

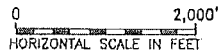
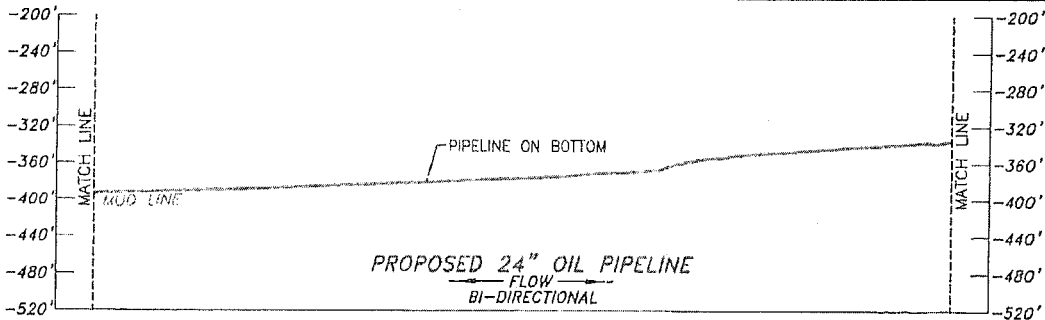
SS334

SS333

PLAN



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 Dallas Dr., Lafayette, Louisiana 70506-3001 (537) 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

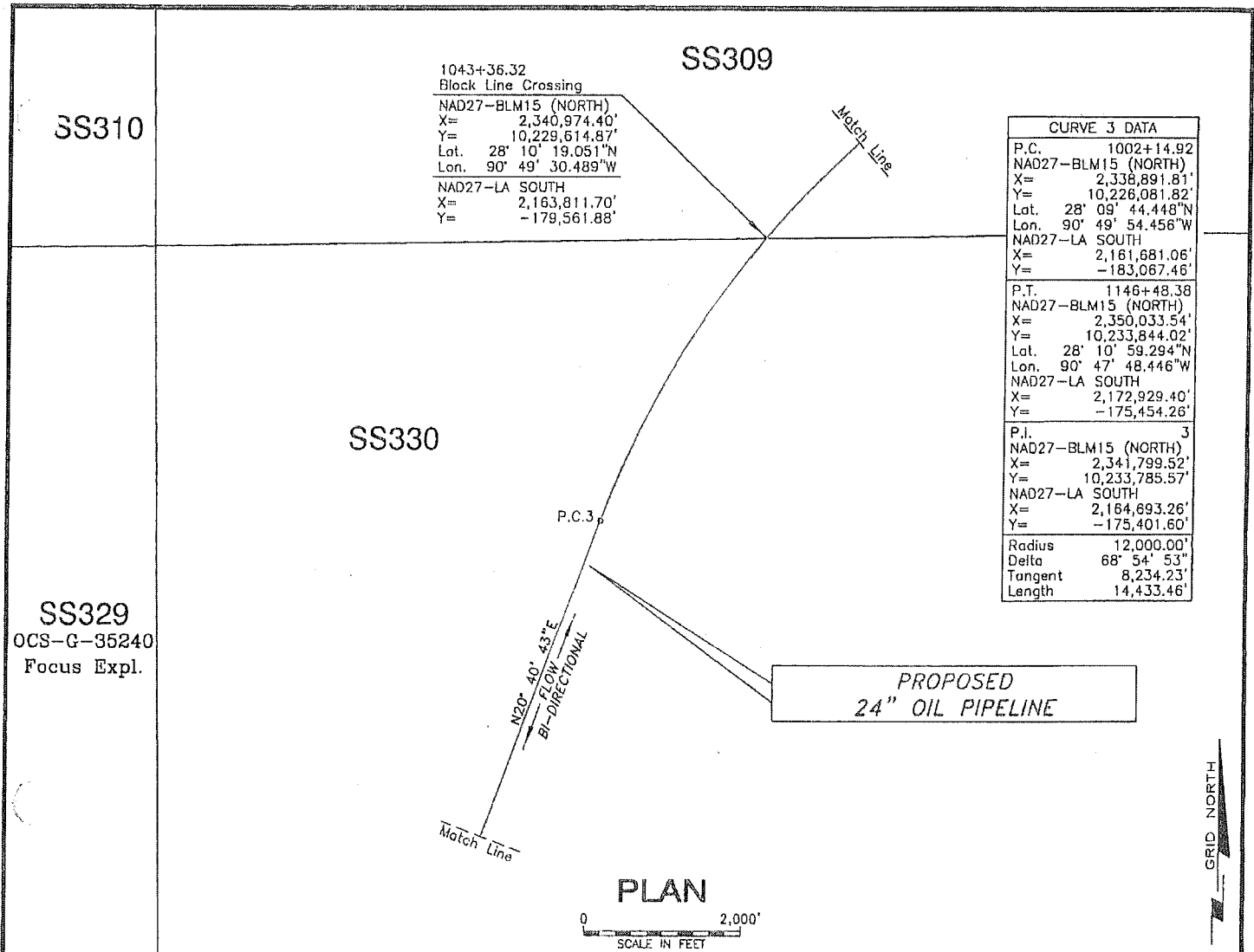
Drwn: MGK

Chart: Of: 11 18

Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP\_24\_Ambarjack

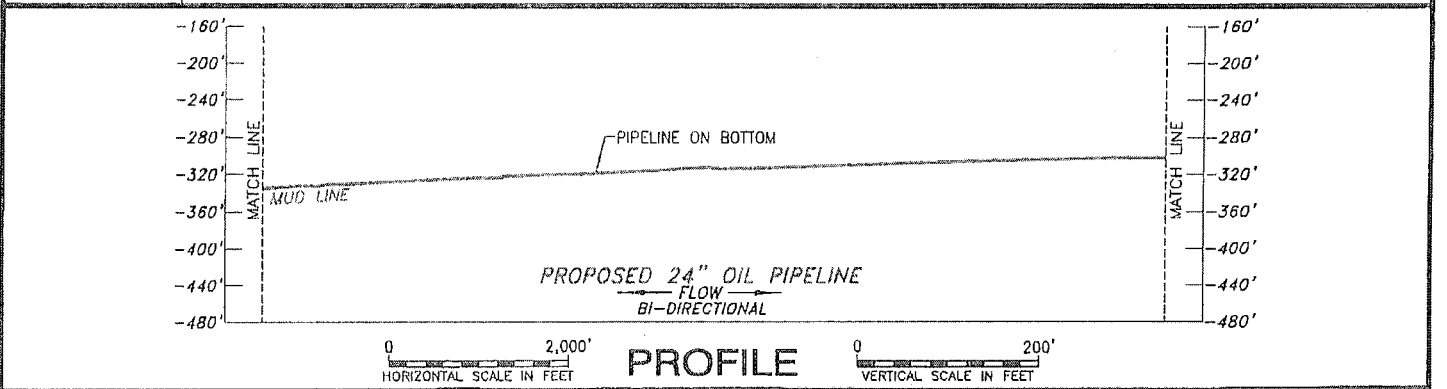
FEB 23 2015



1043+36.32  
Block Line Crossing  
NAD27-BLM15 (NORTH)  
X= 2,340,974.40'  
Y= 10,229,614.87'  
Lat. 28° 10' 19.051"N  
Lon. 90° 49' 30.489"W  
NAD27-LA SOUTH  
X= 2,163,811.70'  
Y= -179,561.88'

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'

SS329  
OCS-G-35240  
Focus Expl.



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 70505-3001 (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: 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

Match Line

FLOW  
BI-DIRECTIONAL

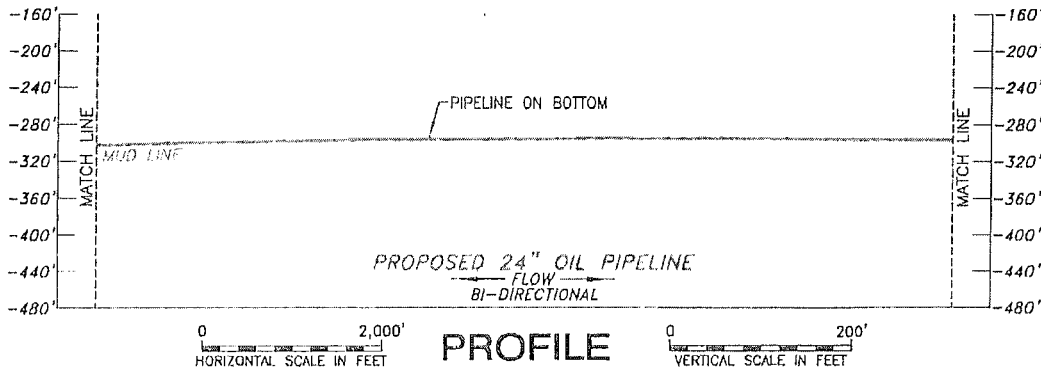
**PROPOSED  
24" OIL PIPELINE**

GRID NORTH

SS330

PLAN

SS331  
OCS-G-35241  
LLOG



**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) 287-1300

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: 01

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

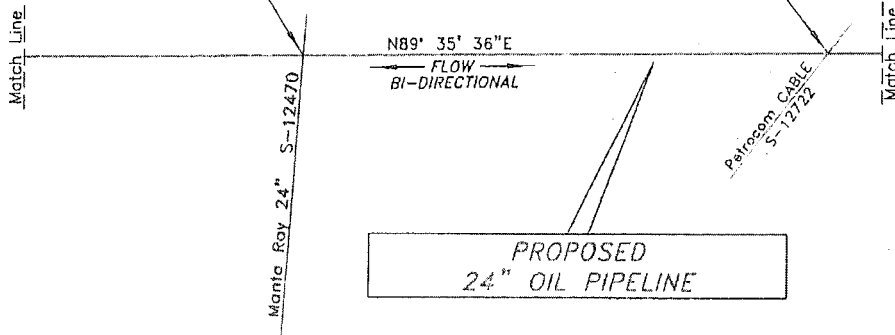
NAD27-BLM15 (NORTH)  
X= 2,353,993.07'  
Y= 10,233,872.13'  
Lat. 28° 10' 58.858"N  
Lon. 90° 47' 04.211"W

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'

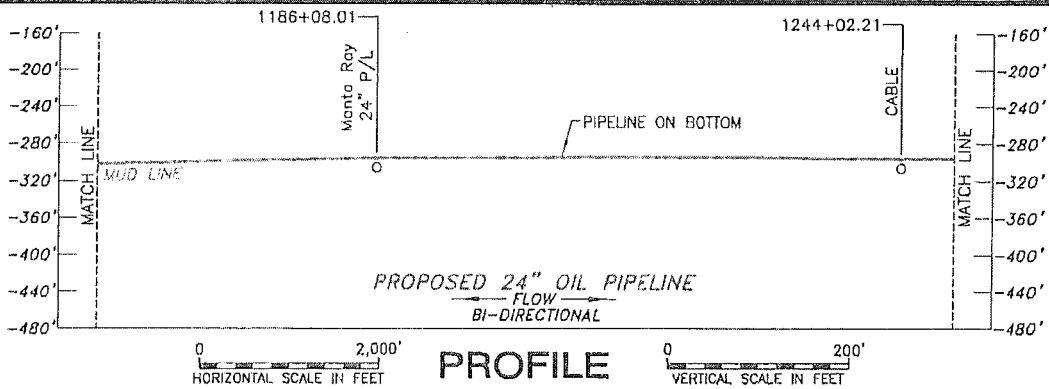


SS330

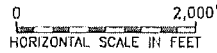
PLAN



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 Duffer 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:

Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP\_24\_Amberjack

14 18

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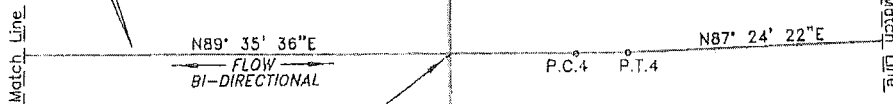
SS308

SOUTH TIMBALIER AREA  
SHIP SHOAL AREA

ST299  
OCS-G-21683  
McMoRan

PROPOSED  
24" OIL PIPELINE

CURVE 4 DATA	
P.C.	1311+14.76
NAD27-BLM15 (NORTH)	
X=	2,366,499.50'
Y=	10,233,960.92'
Lat.	28° 10' 57.453"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'



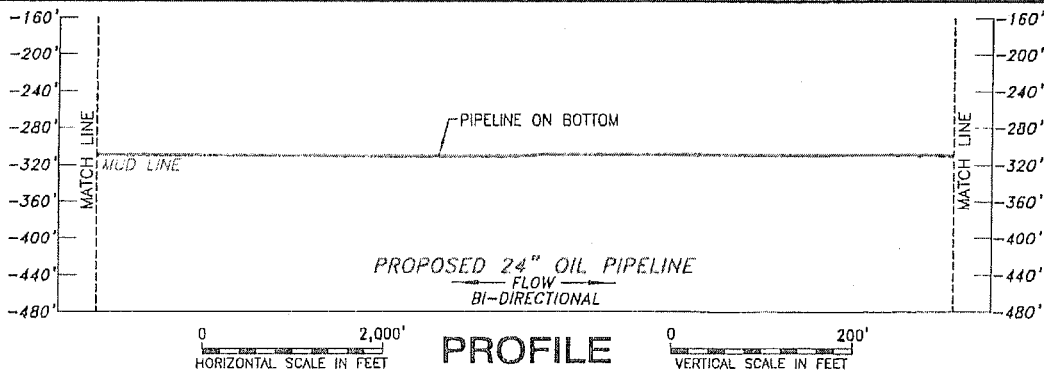
1297+26.57  
Area Line Crossing  
NAD27-BLM15 (NORTH)  
X= 2,365,111.35'  
Y= 10,233,951.07'  
Lat. 28° 10' 57.613"N  
Lon. 90° 45' 00.001"W  
NAD27-LA SOUTH  
X= 2,188,010.81'  
Y= -175,550.41'

PLAN

SS331



ST300



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 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

Chort: Of:

Dwgfile: H:\2014\1401189\CAD\14-01189PP\_24\_Amberjack

15 18

Printed: 9/22/14

**ST299**  
OCS-G-21683  
McMoRan

**PROPOSED  
24" OIL PIPELINE**

1355+32.57  
Pipeline Crossing

NAD27-BLM15 (NORTH)  
X= 2,370,913.14'  
Y= 10,234,149.93'  
Lat. 28° 10' 58.512"N  
Lon. 90° 43' 55.153"W

NAD27-LA SOUTH  
X= 2,193,816.00'  
Y= -175,429.63'

1367+32.51  
Pipeline Crossing

NAD27-BLM15 (NORTH)  
X= 2,372,111.85'  
Y= 10,234,204.23'  
Lat. 28° 10' 58.827"N  
Lon. 90° 43' 41.752"W

NAD27-LA SOUTH  
X= 2,195,015.59'  
Y= -175,391.45'

1397+49.38  
Pipeline Crossing

NAD27-BLM15 (NORTH)  
X= 2,375,125.63'  
Y= 10,234,340.75'  
Lat. 28° 10' 59.618"N  
Lon. 90° 43' 08.060"W

NAD27-LA SOUTH  
X= 2,198,031.56'  
Y= -175,295.45'

1398+84.95  
Pipeline Crossing

NAD27-BLM15 (NORTH)  
X= 2,375,261.06'  
Y= 10,234,346.89'  
Lat. 28° 10' 59.654"N  
Lon. 90° 43' 06.546"W

NAD27-LA SOUTH  
X= 2,198,167.09'  
Y= -175,291.14'

1437+65.03  
Block Line Crossing

NAD27-BLM15 (NORTH)  
X= 2,379,137.17'  
Y= 10,234,522.48'  
Lat. 28° 11' 00.668"N  
Lon. 90° 42' 23.214"W

NAD27-LA SOUTH  
X= 2,202,045.98'  
Y= -175,167.66'

1423+21.68  
Pipeline Crossing

NAD27-BLM15 (NORTH)  
X= 2,377,695.30'  
Y= 10,234,457.16'  
Lat. 28° 11' 00.291"N  
Lon. 90° 42' 39.333"W

NAD27-LA SOUTH  
X= 2,200,603.08'  
Y= -175,213.59'

Match Line

Match Line

N87° 24' 22"E  
FLOW  
BI-DIRECTIONAL

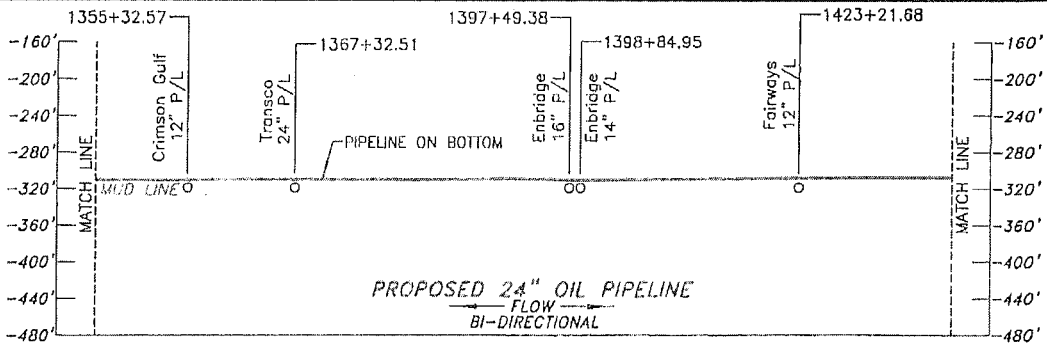
GRID NORTH

**ST300**  
OCS-G-34846  
Energy Res

**PLAN**



**ST301**  
OCS-G-34847  
Energy Res



**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.**

700 Dalko 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:

Printed: 9/22/14

Dwgfile: H:\2014\1401189\CAD\14-01189PP\_24\_AmberJack

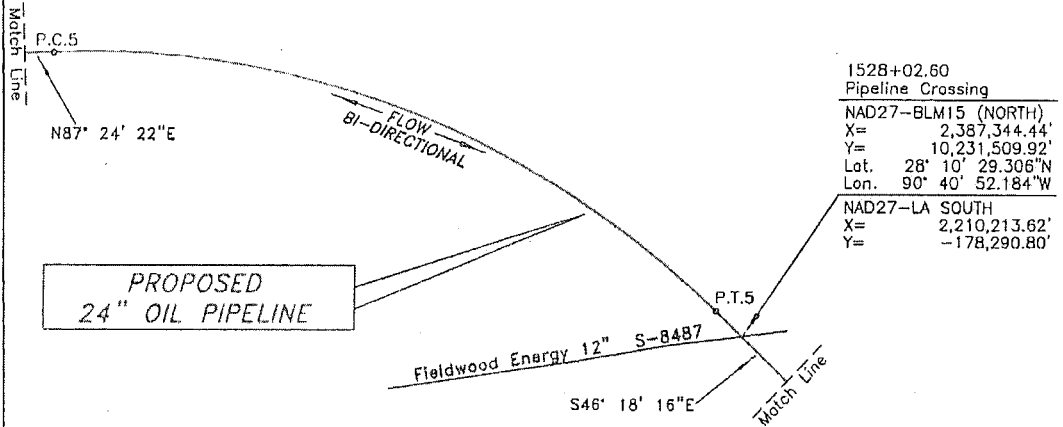
16 18

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**ST299**  
OCS-G-21683  
McMoRan

**ST298**  
OCS-G-34343  
Energy Res

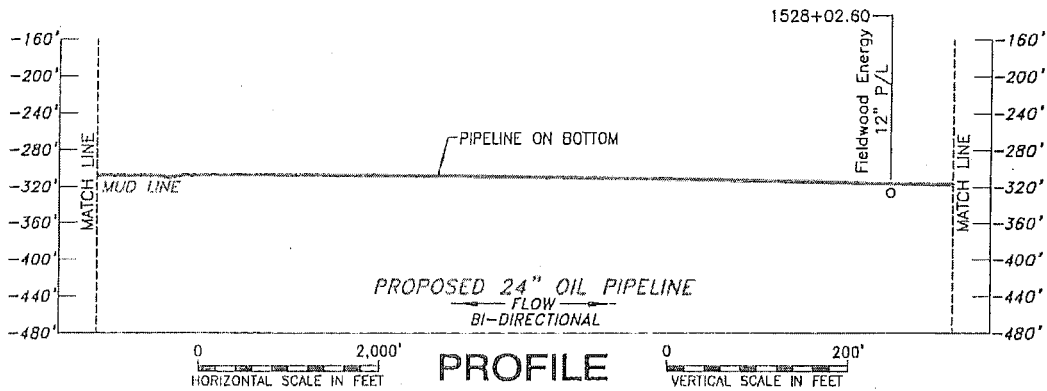
CURVE 5 DATA	
P.C.	1443+20.94
NAD27-BLM15 (NORTH)	
X=	2,379,692.51'
Y=	10,234,547.64'
Lot.	28° 11' 00.813"N
Lon.	90° 42' 17.005"W
NAD27-LA SOUTH	
X=	2,202,601.72'
Y=	-175,149.96'
P.T.	1523+99.94
NAD27-BLM15 (NORTH)	
X=	2,387,053.31'
Y=	10,231,788.09'
Lot.	28° 10' 32.114"N
Lon.	90° 40' 55.377"W
NAD27-LA 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=	2,206,874.95'
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) 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

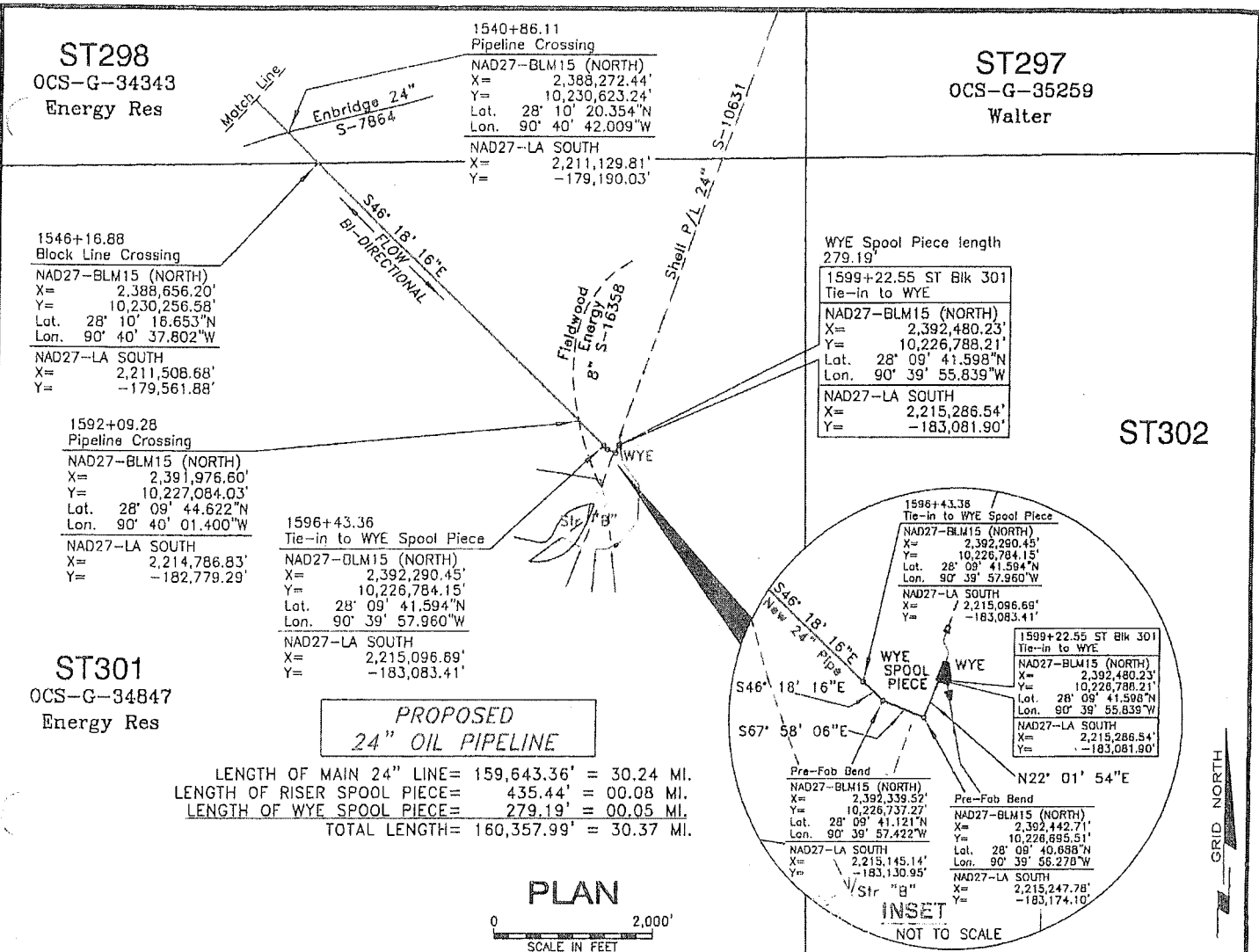
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Printed: 9/22/14

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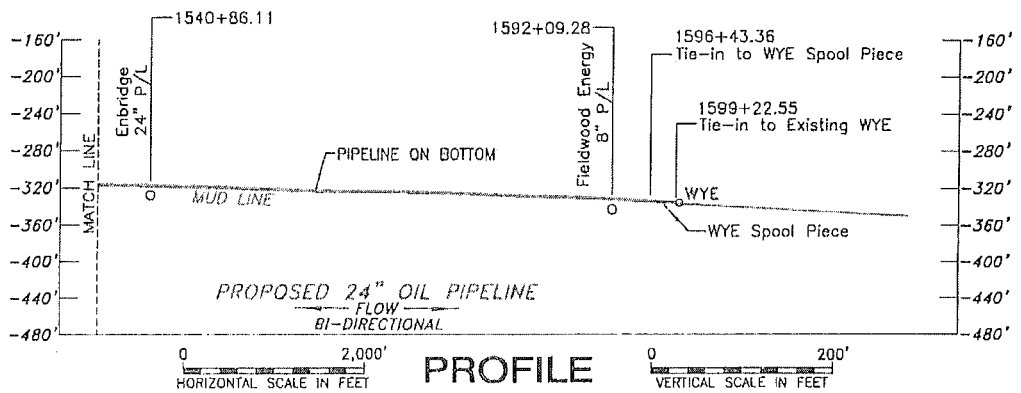
17 18

FEB 23 2015



**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.



**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 70505-3001 (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	
Printed: 9/22/14		Chart: Of: 18 18	