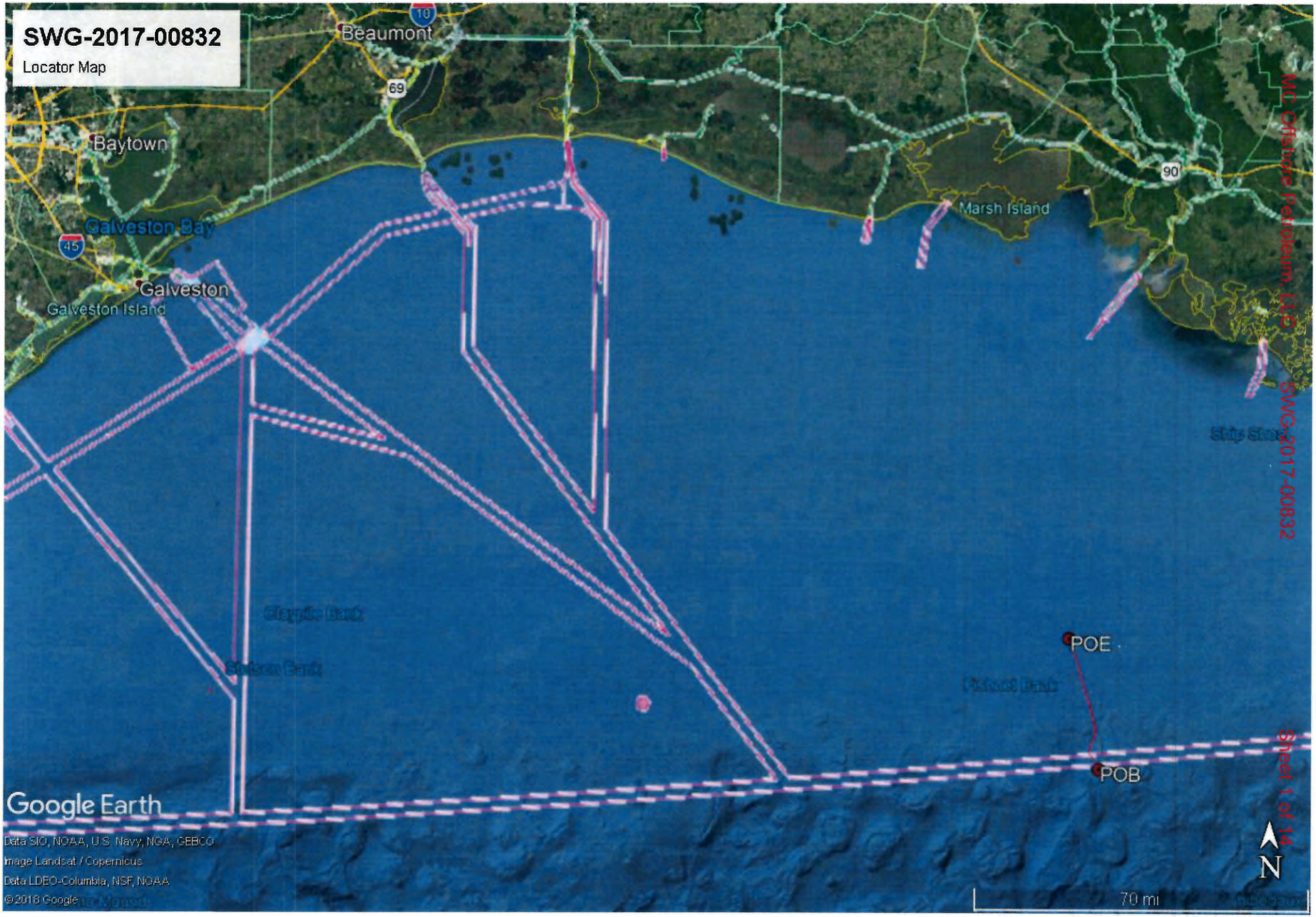
SWG-2017-00832
Locator Map
Beaumont
10
69
Baytown
Galveston Bay
45
Galveston
Galveston Island
90
Marsh Island
POE
POB
MD Offshore Petroleum, LLC SWG-2017-00832
Sheet 1 of 14
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus
Data LDEO-Columbia, NSF, NOAA
©2018 Google
N
70 mi

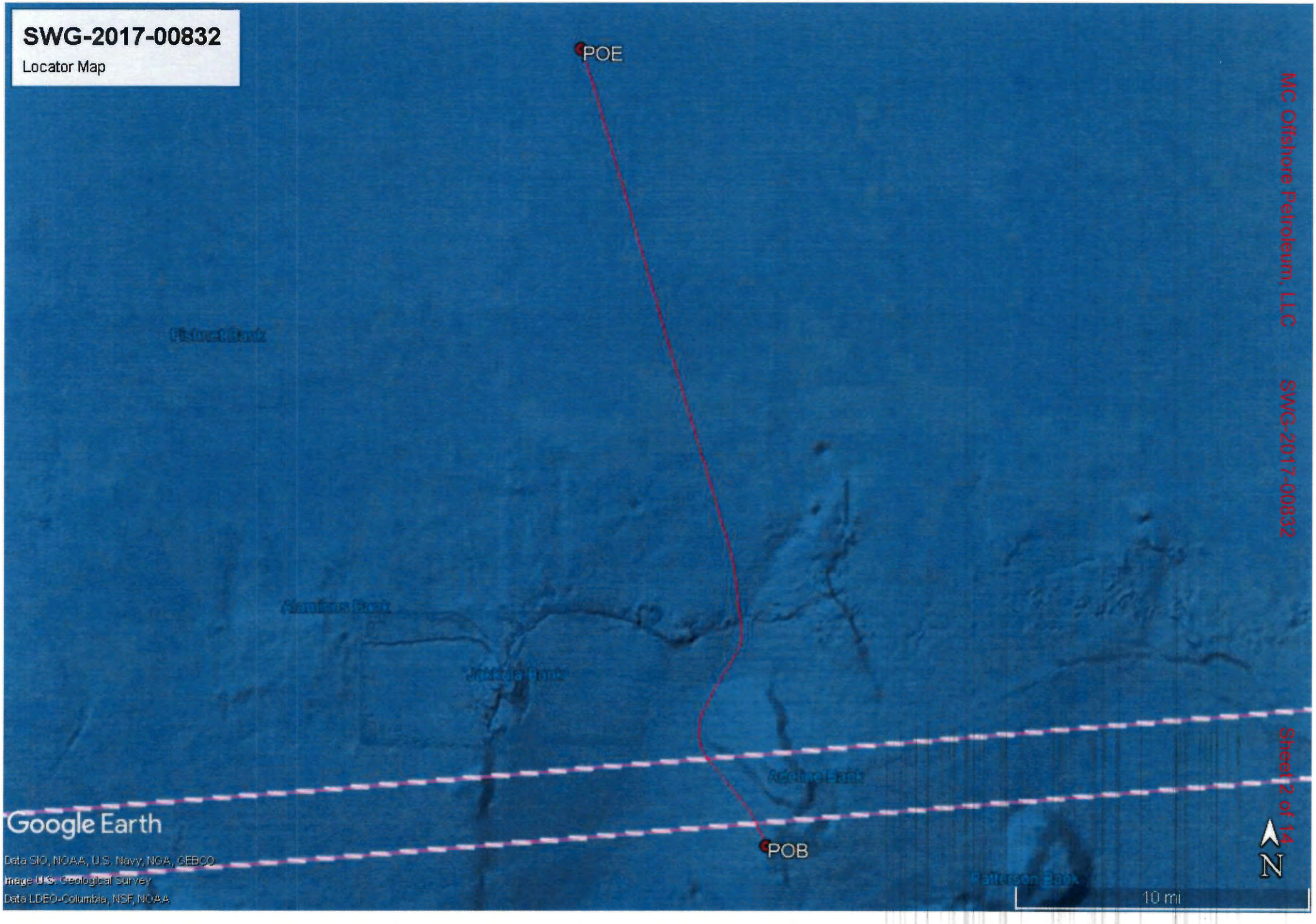
SWG-2017-00832
Locator Map
POE
POB
MC Offshore Petroleum, LLC
SWG-2017-00832
Sheet 2 of 14
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Image U.S. Geological Survey
Data LDEO-Columbia, NSF, NOAA
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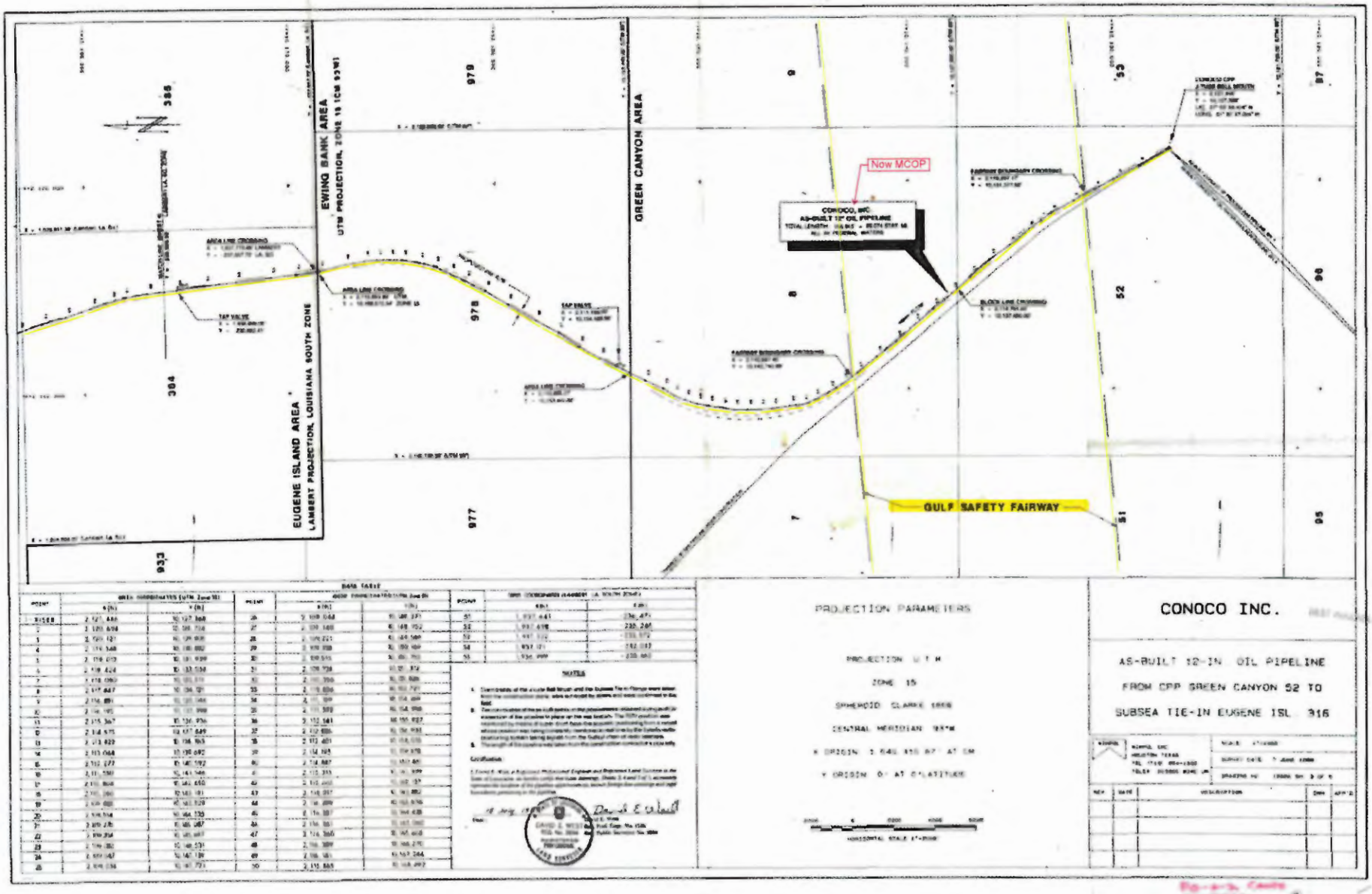


POINT	X (ft)	Y (ft)
RISER	2 127 466	10 127 368
1	2 129 698	10 126 734
2	2 130 121	10 126 908
3	2 130 148	10 126 882
4	2 130 013	10 126 939
5	2 129 424	10 127 139
6	2 128 080	10 127 570
7	2 127 847	10 126 791
8	2 126 891	10 127 089
9	2 126 193	10 127 308
10	2 125 347	10 126 936
11	2 124 975	10 127 049
12	2 123 829	10 126 963
13	2 123 068	10 126 692
14	2 122 277	10 126 792
15	2 121 580	10 126 966
16	2 120 868	10 126 850
17	2 120 280	10 126 781
18	2 119 688	10 126 829
19	2 119 314	10 126 739
20	2 119 276	10 126 987
21	2 119 254	10 127 051
22	2 119 182	10 127 531
23	2 119 167	10 127 139
24	2 119 136	10 127 731

POINT	X (ft)	Y (ft)
25	2 129 044	10 127 [illegible]
27	2 130 148	10 126 [illegible]
28	2 129 221	10 126 [illegible]
29	2 129 038	10 126 [illegible]
30	2 128 515	10 127 [illegible]
31	2 128 734	10 127 [illegible]
32	2 127 [illegible]	10 126 [illegible]
33	2 126 [illegible]	10 126 [illegible]
34	2 125 [illegible]	10 126 [illegible]
35	2 125 [illegible]	10 126 [illegible]
36	2 123 141	10 126 827
37	2 122 [illegible]	10 126 [illegible]
38	2 121 401	10 126 [illegible]
39	2 120 [illegible]	10 126 [illegible]
40	2 119 887	10 127 [illegible]
41	2 119 [illegible]	10 127 [illegible]
42	2 119 [illegible]	10 127 [illegible]
43	2 119 [illegible]	10 127 [illegible]
44	2 119 [illegible]	10 127 [illegible]
45	2 119 [illegible]	10 127 [illegible]
46	2 119 [illegible]	10 127 [illegible]
47	2 119 [illegible]	10 127 [illegible]
48	2 119 [illegible]	10 127 [illegible]
49	2 119 [illegible]	10 127 [illegible]
50	2 119 [illegible]	10 127 [illegible]

POINT	X (ft)	Y (ft)
51	1 937 441	236 471
52	1 937 678	230 206
53	1 937 [illegible]	[illegible]
54	1 937 [illegible]	212 [illegible]
55	1 937 [illegible]	206 [illegible]

NOTES

1. Coordinates of the Riser Bell Nipple and the Subsea Tie-In Flange were taken from the construction survey, were surveyed by others, and were not verified in this field.
2. Coordinates of the as-built centerline of the pipeline were obtained during and/or at completion of the pipelines in place on the sea bottom. The depth position was monitored by means of a side scan sonar that passed over/along from a vessel whose position was being constantly monitored by a differential GPS navigation system operating beyond from the Gulf of Mexico coastline.
3. The length of the pipeline was taken from the center of riser centerline to subsea tie.

Certification

I, David E. West, a Registered Professional Engineer and Registered Land Surveyor in the State of Louisiana, as hereby certify that these drawings, Sheets 1, 2 and 3 of 3, accurately represent the location of the pipeline as measured by me or under my supervision and that all measurements are in accordance with the standards of practice set forth by the Louisiana Board of Professional Engineers and Land Surveyors.

Date: 4 May 1998

David E. West
LA. Prof. Engr. No. 15[illegible]
Public Service No. 30[illegible]

PROJECTION PARAMETERS

PROJECTION U T M

ZONE 15

SPHEROID CLARKE 1866

CENTRAL MERIDIAN 93°W

X ORIGIN 1 640 416 87' AT CM

Y ORIGIN 0' AT 0°LATITUDE

HORIZONTAL SCALE 1"=2000'

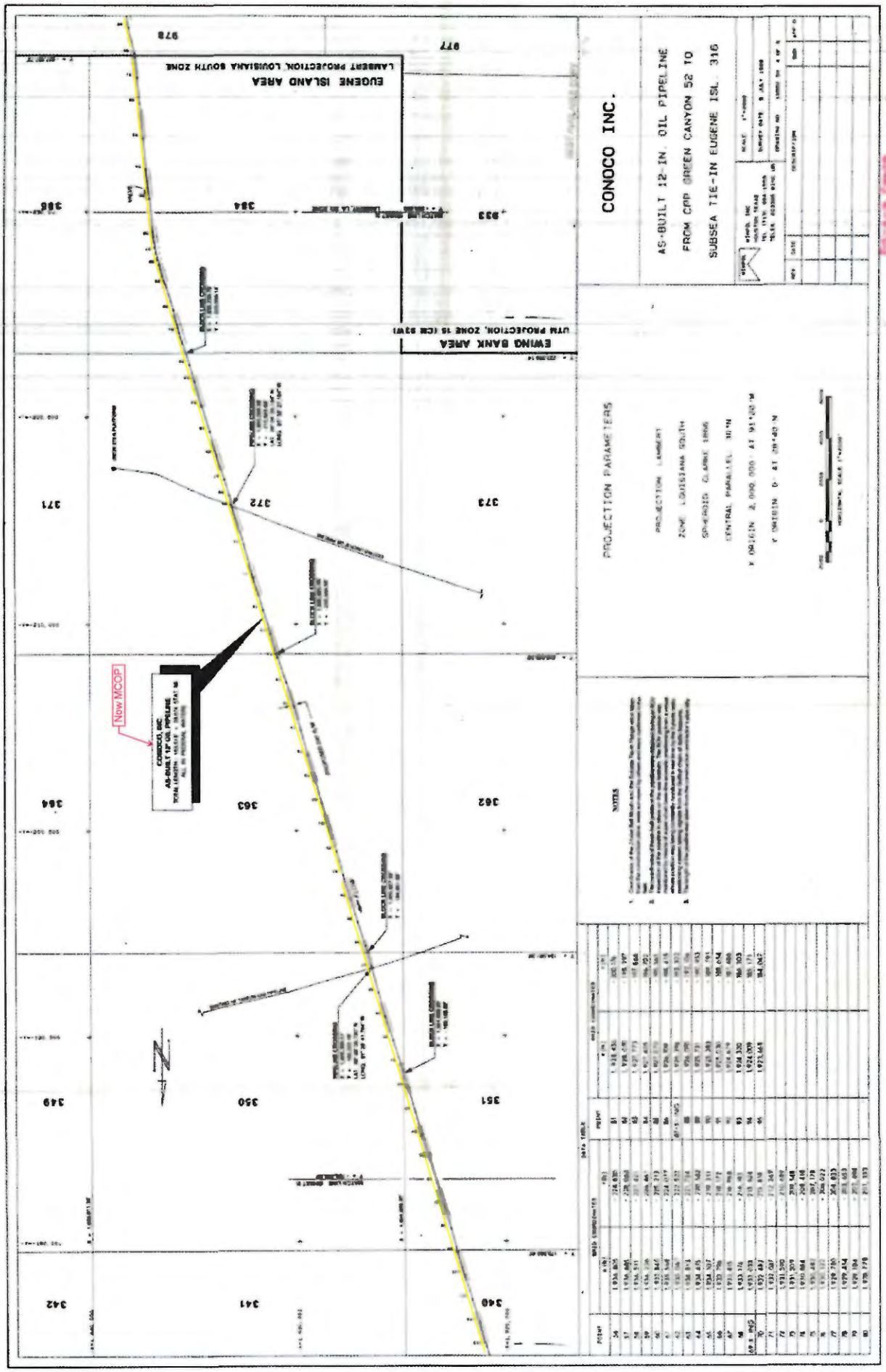
CONOCO INC.

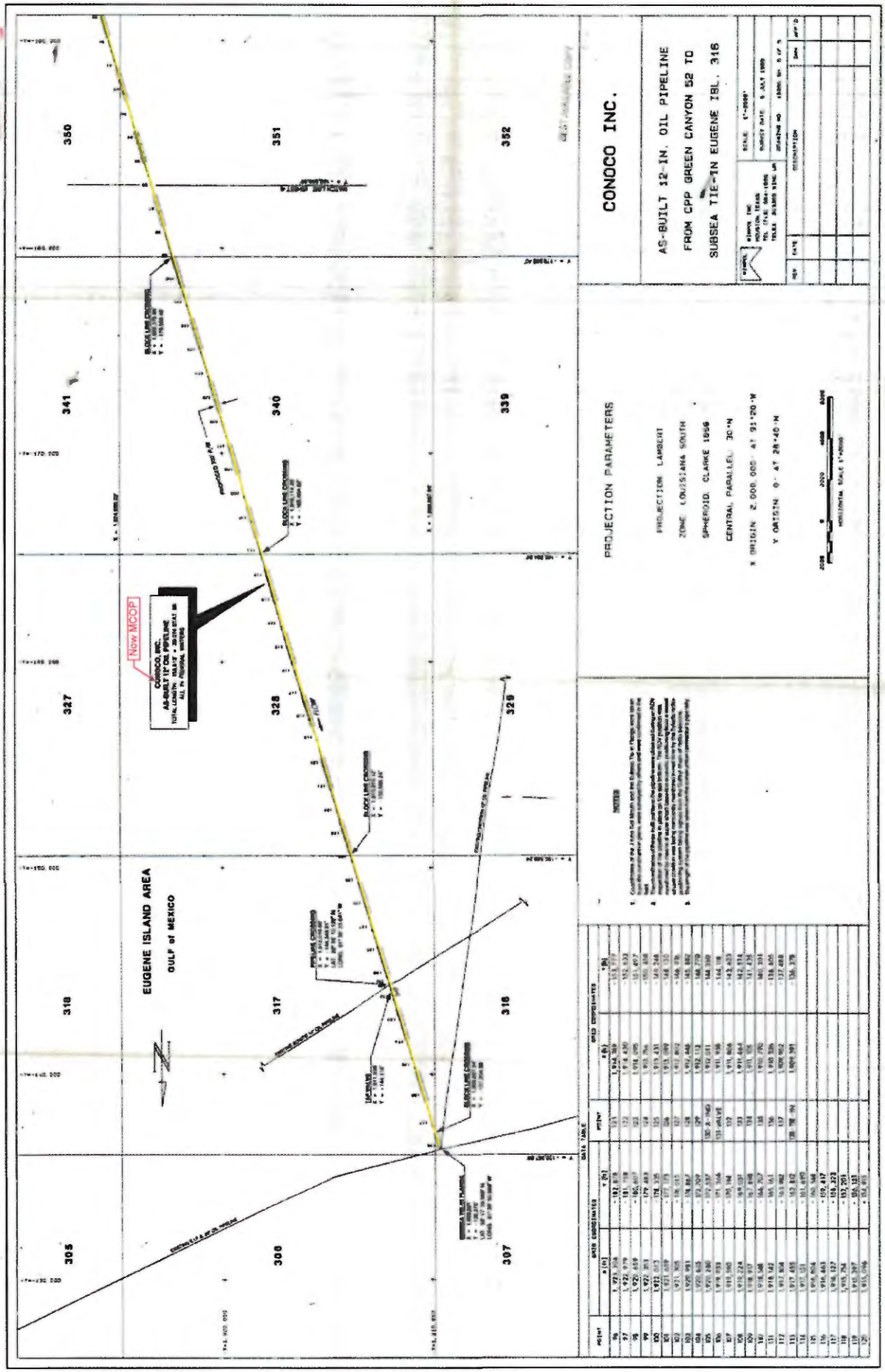
AS-BUILT 12-IN OIL PIPELINE

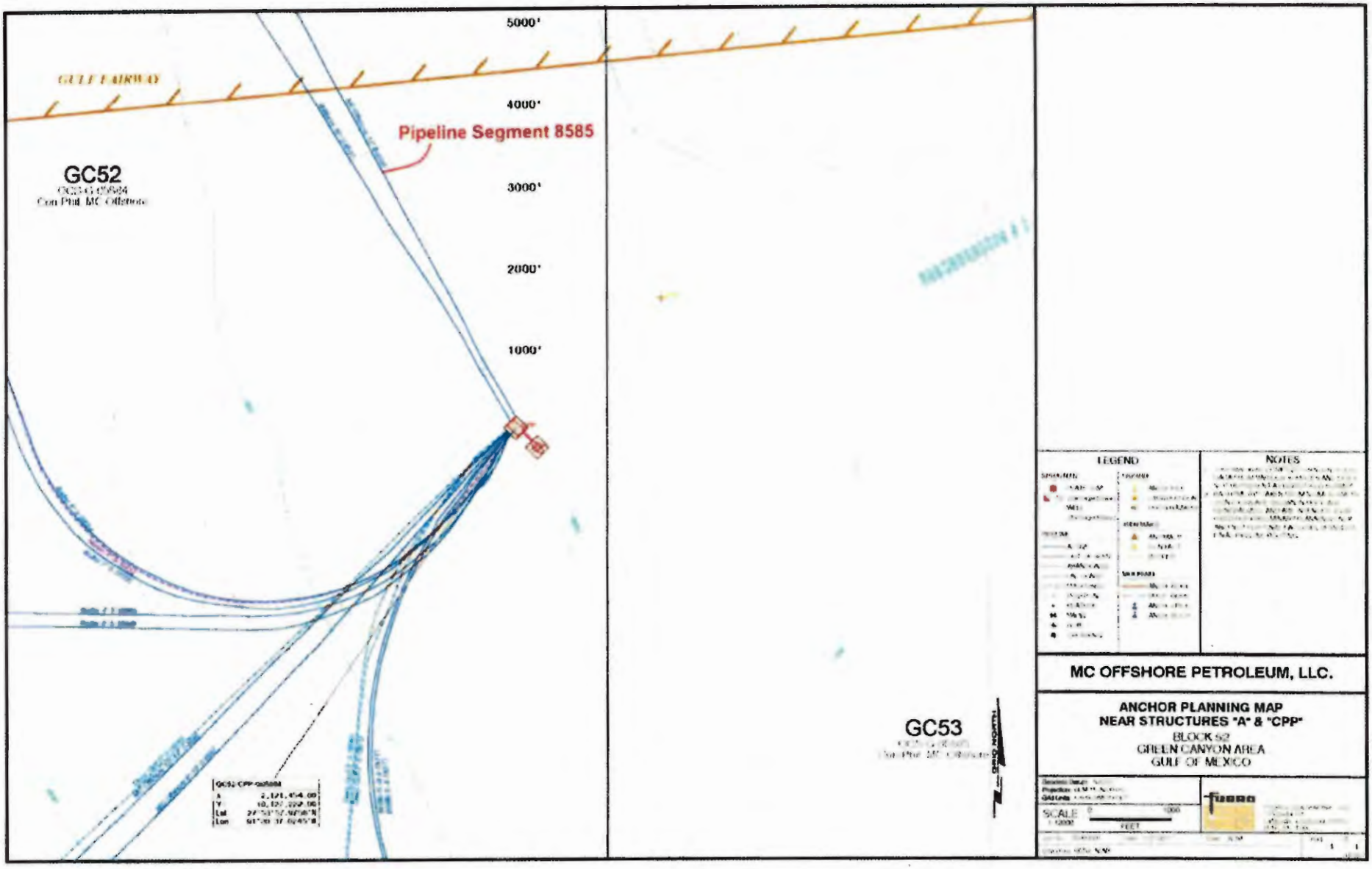
FROM CPP GREEN CANYON 52 TO

SUBSEA TIE-IN EUGENE ISL 316

REV.	DATE	DESCRIPTION	DWN	APP'D

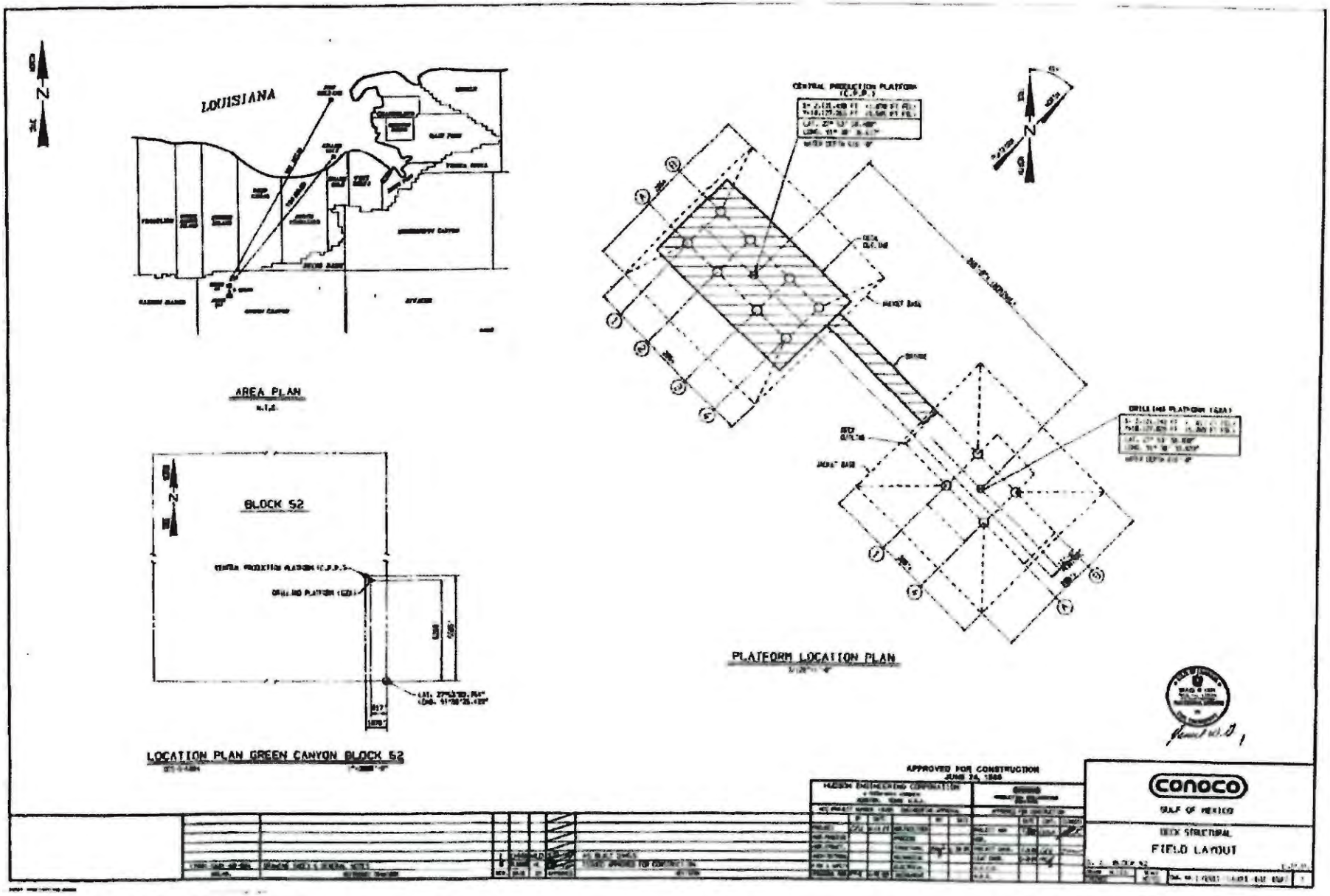

CONOCO INC.
AS-BUILT 12-IN. OIL PIPELINE
FROM GRP GREEN CANYON 52 TO
SUBSEA TIE-IN EUGENE ISL. 316
PROJECTION PARAMETERS
EUGENE ISLAND AREA
EWING BANK AREA
Now MCOP


CONOCO INC.
AS-BUILT 12-IN. OIL PIPELINE
FROM CPP GREEN CANYON 52 TO
SUBSEA TIE-IN EUGENE ISL. 316
PROJECTION PARAMETERS
EUGENE ISLAND AREA
GULF of MEXICO
Now MOOP



Applicant: MC Offshore Petroleum, LLC

Project: Offshore Pipeline Segment Number 8585 request to abandon in place thru Gulf Safety Fairway



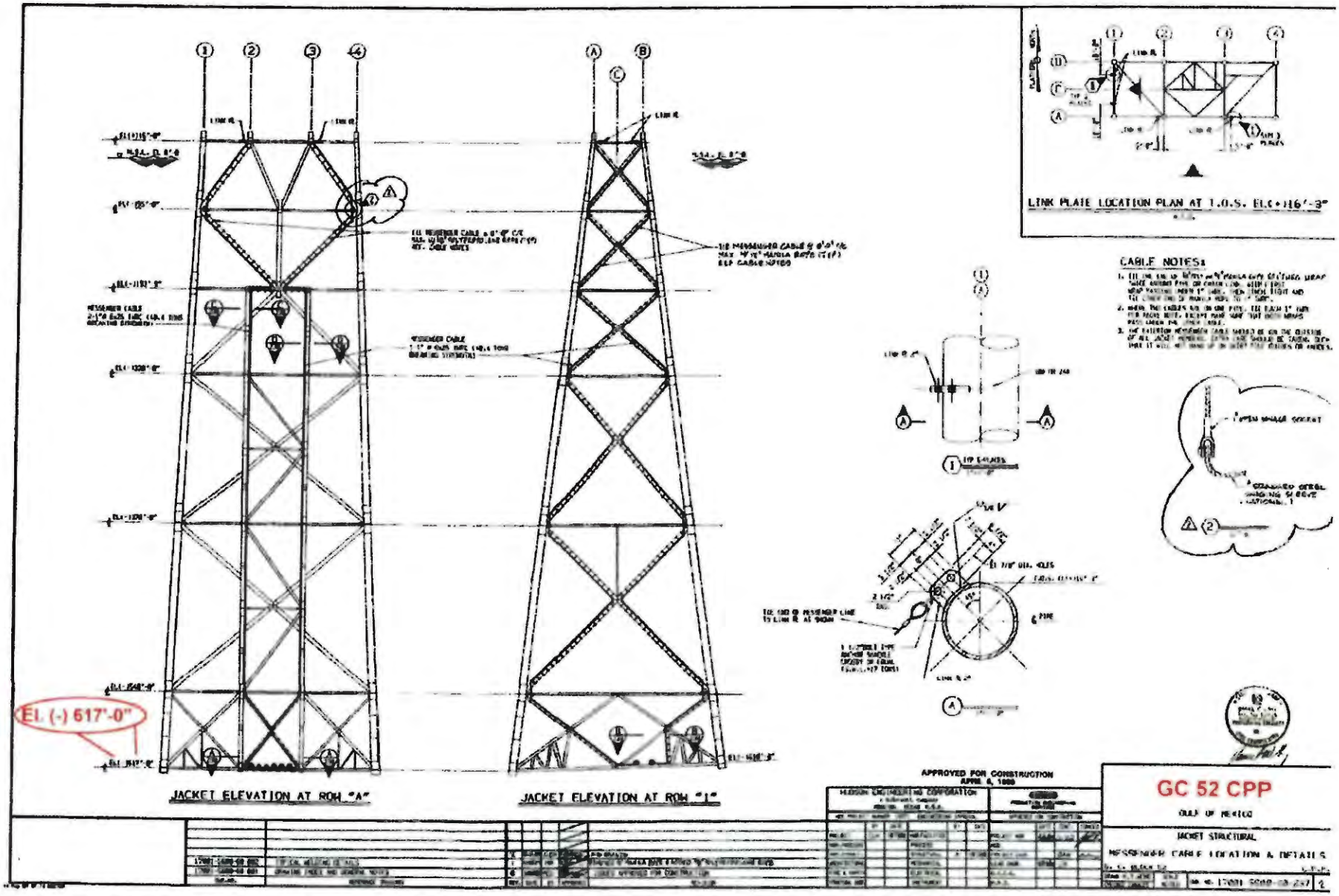
Applicant: MC Offshore Petroleum, LLC

Project: Offshore Pipeline Segment Number 8585 request to abandon in place thru Gulf Safety Fairway

Green Canyon Decommissioning Project

CPP & 52A Topsides Lifts

Applicant: MC Offshore Petroleum, LLC
Project: Offshore Pipeline Segment Number 8585 request to abandon in place thru Gulf Safety Fairway



Applicant: MC Offshore Petroleum, LLC

Project: Offshore Pipeline Segment Number 8585 request to abandon in place thru Gulf Safety Fairway

PIPELINE DECOMMISSIONING APPLICATION
Segment #8585
GC 52 CCP to EI 316 20" SSTI

(A) IDENTIFICATION OF THE APPLICANT

Lease Operator Name: MC Offshore Petroleum, LLC

Address: 77 Sugar Creek Center Blvd., Ste 450
Sugar Land, TX 774778

Contact Person: Ashu Vashisht, President

Contact Number: 281-201-8000 x107

(B) REASON FOR THE OPERATION

As per 30 CFR 250.1751, applicant proposes to decommission the pipeline segment in place. The pipeline segment is no longer necessary due to the end of the economic life of the associated well(s) and platform.

(C) DESCRIPTION OF THE PIPELINE

Table 1 summarizes the pipeline segment parameters. The entire length of the pipeline segment is proposed to be decommissioned in place. Applicant hereby requests a waiver from the requirements of 30 CFR 250.1752 to remove the pipeline. Note: 20' will be removed from the GC 52 CPP and 20' from the EI 316 20" SSTI. The remaining pipeline length will be 153,473 feet. Applicant also requests a waiver from the requirements of 30 CFR 250.1751 (b) to pig the pipeline.

Table 1 Parameters of the Pipeline Proposed for Decommissioning

Segment	Origin	Terminus	Length	Diameter	Service
8585	GC 52 CPP	EI 316 20" SSTI	153,513'	12"	OIL

(D) DECOMMISSIONING PROCEDURES

Please see attached work procedure.

PIPELINE DECOMMISSIONING PROCEDURE
Segment #8585
GC 52 CPP to EI 316 20" SSTI

The dive/ROV crew and equipment will mobilize to vessel at dock of convenience. The filtration crew and equipment will mobilize to a utility vessel of opportunity. Each vessel will complete a safety meeting and a HAZID analysis.

Once in the field, the diving/ROV supervisor and the filtration supervisor will meet or speak with the MC Offshore Petroleum representative and the platform operator to discuss flushing operations, filtration of the pipeline contents and abandonment of the pipeline in-place.

Segment #8585: 12" Pipeline from GC 52 CPP (620' wd) to EI 316 20" SSTI (230' wd)

1. Flush the 12" Pipeline:

a. Once operational plans have been established, the dive/ROV vessel will proceed to the EI 316 20" SSTI coordinates and position the vessel over the SSTI location.

b. The filtration crew will secure the utility vessel at GC 52 CPP.

c. The filtration crew at the GC 52 CPP platform will identify an appropriate location to tie in to the pipeline segment 8585.

d. The dive crew will locate the 12" pipeline segment 8585 located at an unknown depth below natural bottom utilizing side scan sonar and/or magnetometer.

e. Divers will locate ball valve in the SSTI and CLOSE fully while counting turns. Then the diver will then OPEN to ¼ OPEN.

f. Filtration crew will establish contact with the diving crew and ensure that all valves are ready to accept fluids.

g. Radio communications will be maintained between the dive crew and the filtration crew during the flushing operations.

h. The capacity of a single volume of the 12" pipeline is 21,064 barrels or 844,696 gallons. The filtration crew will push a pig to the SSTI with sea water to the ¼ OPEN ball valve at the SSTI. Product will travel ahead of the pig into the 20" SSTI system.

i. Once the pig has been received at SSTI, the filtration crew will set up and prepare to receive and process fluids from the SSTI.

PIPELINE DECOMMISSIONING PROCEDURE
Segment #8585
GC 52 CPP to EI 316 20" SSTI

j. Divers will uncover the remaining 20" SSTI. Divers will utilize a hydraulic jack hammer to separate and remove any 3/1 sand cement bags as necessary.

k. Divers will locate and identify each of the valves on the SSTI and the flange furthest from the SSTI as the separation point for final decommissioning.

l. Divers will determine if there is a bypass line present to tie into.

m. If a bypass line exists, the divers will ensure all bypass valves are in the closed position and locate the blind flange. Divers will open the bleeder valve and ensure there is no pressure on the pipeline flange.

n. Divers will remove the blind flange and connect the flushing flange with the flushing hose connected.

o. If there is not a bypass line present, divers will ensure all SSTI valves are in the closed position.

p. Divers will ensure there is no pressure on the pipeline at the GC 52 CPP platform and at the 20" SSTI.

q. Divers shall set the pollution dome over the flange furthest from the SSTI and disconnect the flanges.

r. Divers will install a flange on the 12" pipeline end with a flushing hose attached.

s. The dive/ROV vessel will flush by pumping sea water into the pipeline. The filtration crew will monitor returns and perform EPA bucket sheen test. They will continue pumping sea water until negative test results are obtained from sheen test.

t. Once complete, the filtration crew will close all valves and disconnect hoses.

u. The pipeline pressure will be bleed to zero psig.

v. The filtration vessel will move off work location to dock to have its contents properly treated and disposed of, in accordance with all federal and state regulations.

PIPELINE DECOMMISSIONING PROCEDURE
Segment #8585
GC 52 CPP to EI 316 20" SSTI

2. **Remove the pipeline segment at the EI 316 20" SSTI:**

   a. The divers will cold cut the 12" pipeline segment 20 feet upstream of the flange and remove the 20' section of pipe to the surface.

   b. The dives will install a 12" blind flange with a bleeder valve on the SSTI and tighten with a hydraulic impact.

   c. The open pipeline end will be plugged (using a plumber's plug or similar devise) to prevent spillage.

   d. The divers will hand jet the pipeline end for a minimum 3' of cover.

   e. The divers will install ½ of a pallet sandbags over the pipeline end and take reading on top of the sand bags.

   f. The divers will install sandbags on the SSTI as necessary.

3. **Remove the pipeline deck to jacket location and tube turn at the GC 52 CPP:**

   a. Dive/ROV vessel will reposition to GC 52 CPP.

   b. The topside crew of dive/ROV vessel will "cold-cut" the 12" riser just above the (+) 10' elevation of the platform and remove a 5 ft. section of the riser. This action is to assist future removal operations for the platform.

   c. ROV will locate the 12" tube turn at the base of the riser and 20 ft. of the pipeline.

   d. ROV cut the riser 5 ft. above the natural bottom, cut the pipeline 20 ft. from the tube-turn and recover the tube turn to the surface.

   e. The open pipeline end will be plugged (using a plumber's plug or similar devise) to prevent spillage.

   f. The ROV will place protective concrete mat over end to provide cover.

   g. The ROV will take reading on top of the protective concrete mat.

   h. The dive/ROV vessel will demob from location.

PIPELINE DECOMMISSIONING PROCEDURE
Segment #8585
GC 52 CPP to EI 316 20" SSTI

Note: Ends of riser bend and pipe sections are to be wrapped with plastic, checked for NORM and sealed to prevent spillage during transport. Divers/ROV will supply the on-site Company Representative with a drawing detailing work performed and depth readings taken.

Within 30 days after abandonment, a written report to the Regional Supervisor will be submitted that includes a summary of the decommissioning operation (including date is was completed), a description of any mitigation measures taken and a statement signed by authorized representative that certifies the pipeline was decommissioned according to the approved application.