

UNITED STATES GOVERNMENT
MEMORANDUM

January 22, 2020

To: Public Information
From: Plan Coordinator, OLP, Plans Section (GM235D)

Subject: Public Information Copy of Plan

Control # - R-6941
Type - Revised Exploration Plan
Lease(s) - OCS-G26252 - Block 391 Mississippi Canyon Area
Operator - Shell Offshore, Inc.
Description - Subsea Well IW003

Attached is a copy of the subject plan.

It has been deemed submitted as of this date and is under review for approval.

Laura Christensen, Esq.
Plan Coordinator
Office of Leasing and Plans

Site Type/Name	Botm Lse/Area/Blk	Surface Location Surf	Lse/Area/Blk
WELL/IW003	G26252/MC/391	4581 FSL, 898 FEL	G26252/MC/391



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Public Information Copy

December 17, 2019

Ms. Michelle Uli, Section Chief
Bureau of Ocean Energy Management
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

Attn: Plans Group GM 1053C

SUBJECT: Revised Exploration Plan
OCS-G 19939, Mississippi Canyon Block 348
OCS-G 26252, Mississippi Canyon Block 391
OCS-G 26253, Mississippi Canyon Block 392
OCS-G 26254, Mississippi Canyon Block 393
OCS-G 25852, DeSoto Canyon Block 353
Unit Contract No. 754312009
Unit Contract No. 754314008
Offshore Louisiana, Alabama and Florida

Dear Ms. Uli:

BOEM letter of January 14, 2016 approved a Supplemental Exploration Plan (S-07761) for subject leases. At this time Shell Offshore Inc (SOI) requests approval to change the bottom hole location block for the IW003 well in compliance with 30 CFR 550.211 and NTLs 2008-G04, 2009-G27 and 2015-N01 giving Exploration Plan guidelines. Operations on the well could commence as early as February 1, 2020.

Enclosed are revised Sections 1 (Plan Information), 3 (Geology and Geophysical), 4 (H2S), and 9 (Oil Spill Information) that have changed as a result of the bottom hole location change. All of sections of the approved SEP S-07761 remain as previously approved.

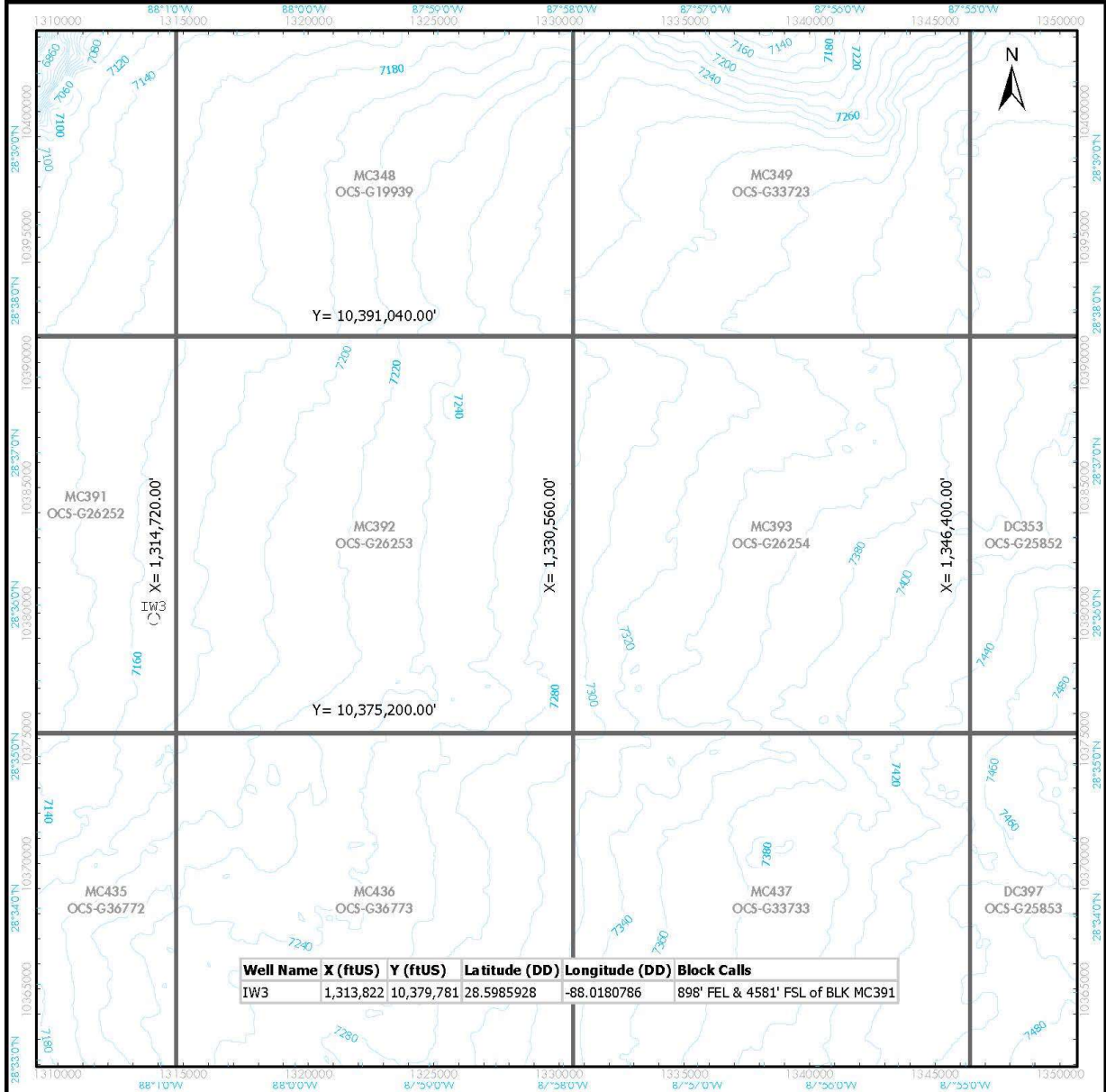
Should you require additional information, please contact me at 504 425 7215 or Sylvia.Bellone@shell.com

Sincerely,

A handwritten signature in blue ink that reads "Sylvia A. Bellone".

Sylvia A. Bellone

Attachment 1A Bathymetry and Surface Location



Well Name	X (ftUS)	Y (ftUS)	Latitude (DD)	Longitude (DD)	Block Calls
IW3	1,313,822	10,379,781	28.5985928	-88.0180786	898' FEL & 4581' FSL of BLK MC391

MAP INFORMATION		SHELL EXPLORATION & PRODUCTION COMPANY
<ul style="list-style-type: none"> Proposed Surface Locations Structure Depth Contour (ft) Lease Block 		
MAP SCALE		ATTACHMENT Mississippi Canyon Area Offshore Alabama Proposed Surface Locations Exploration Plan
0 1,000 2,000 4,000 Feet 1:65,000 Print size: 8.5"x11" (ANSI A)		GEODETTIC PARAMETERS Horizontal Coordinate Reference System CRS name (ESRI): NAD 1927 BUM Zone 16N CRS name (Shell): NAD27 / UTM zone 16N (ftUS) [1241_32066] CRS code (EPSG): 32066 Geodetic datum: North American 1927 Projection name: Transverse Mercator Horizontal units: Foot US
		Author: G. Cai Reviewed By: S. W. Bridges
		Date: 13 Dec 2019 EP Catalog No.: EP201912200644

Attachment 1B
Proposed Bottom Hole Location
Omitted from PI Copies

OCS PLAN INFORMATION FORM

General Information													
Type of OCS Plan:	X	Exploration (EP)	Plan	Development Operations Coordination Document (DOCD)									
Company Name: Shell Offshore Inc.						BOEM Operator Number: 0689							
Address: 701 Poydras St. New Orleans, LA 70131						Contact Person: Sylvia Bellone Phone Number: 504.425.7215 E-Mail Address: Sylvia.bellone@shell.com							
If a service fee is required under 30 CFR 550.125(a), provide the					Amount paid	NA	Receipt No.						
Project and Worst Case Discharge (WCD) Information													
Lease(s): G26252			Area: MC			Block(s) 391			Project Name (If Applicable): Appo				
Objective(s)	x	Oil	Gas	Sulphur	Salt	Onshore Support Base(s): Fourchon/Boothville							
Platform / Well Name: C				Total Volume of WCD: 416,414				API Gravity: 37.5					
Distance to Closest Land (Miles): 72						Volume from uncontrolled blowout: 44 MMBO							
Have you previously provided information to verify the calculations and assumptions for your WCD?										X	Yes	No	
If so, provide the Control Number of the EP or DOCD with which this information was provided										S-7444			
Do you propose to use new or unusual technology to conduct your activities?											Yes	X	No
Do you propose to use a vessel with anchors to install or modify a structure?											Yes	X	No
Do you propose any facility that will serve as a host facility for deepwater subsea development?											Yes	X	No
Description of Proposed Activities and Tentative Schedule (Mark all that apply)													
Proposed Activity				Start Date			End Date			No. of Days			
Exploration drilling				2/1/2020			4/1/2120			61			
Development drilling													
Well completion				4/2/2020			4/30/2020			29			
Well test flaring (for more than 48 hours)													
Installation or modification of structure													
Installation of production facilities													
Installation of subsea wellheads and/or dry hole trees													
Installation of lease term pipelines													
Commence production													
Other (Specify and attach description)													
Description of Drilling Rig						Description of Structure							
Jackup		X	Drillship			Caisson		Tension leg platform					
Gorilla Jackup			Platform rig			Fixed platform		Compliant tower					
Semisubmersible			Submersible			Spar		Guyed tower					
DP Semisubmersible			Other (Attach description)			Floating production system		Other (Attach description)					
Drilling Rig Name (If known): Noble Don Taylor or similar drillship and Second drillship Similar to Noble Don Taylor													
Description of Lease Term Pipelines													
From (Facility/Area/Block)			To (Facility/Area/Block)			Diameter (Inches)			Length (Feet)				
NA													

Attachment 1II
OCS PLAN INFORMATION FORM (CONTINUED)
Include one copy of this page for each proposed well/structure

Proposed Well/Structure Location										
Well Name/Number: IW003				Previously reviewed under an approved EP or DOCD?			X	Yes		No
Is this an existing well or structure?			Yes	X	No	If this is an existing well or structure, list the Complex ID or API No.				
Do you plan to use a subsea BOP/surface BOP on a floating facility to conduct your proposed activities?							X	Yes		No
WCD Info		For wells, volume of uncontrolled blowout (Bbls/Day): 416,414			For structures, volume of all storage and pipelines (Bbls):NA			API Gravity of fluid		37.5
		Surface Location			Bottom-Hole Location (For Wells)			Completion (For multiple completions, enter separate lines)		
Lease No.		OCS-G 26252			OCS-G 26252					
Area Name		Mississippi Canyon			Mississippi Canyon					
Block No.		MC 391			MC 391					
Blockline Departures (in feet)		N/S Departure: 4,581' FSL								
		E/W Departure: 898' FEL								
Lambert coordinates X-Y		X: 1,313,822.00								
		Y: 10,379,781.00								
Latitude/ Longitude		Latitude 28.59885928								
		Longitude -88.01800786								
Water Depth (Feet): 7,287'										
Anchor Radius (if applicable) in feet:				NA						
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)										
Anchor Name or No.	Area	Block	X Coordinate		Y Coordinate		Length of Anchor Chain on Seafloor			
			X:		Y:					
			X:		Y:					
			X:		Y:					
			X:		Y:					

Attachment 3I – Seismic Lines IW-IE Wells

Omitted from PI Copies

Attachment 3M– Cross Section Wells IW-IE

Omitted from PI Copies

SECTION 4: HYDROGEN SULFIDE (H₂S)

A. Concentration

10-40 ppm

B. Classification

Based on 30 CFR 550.215, Shell requests that the Regional Supervisor, Field Operations, classify the area in the proposed drilling operations as an area where H₂S is **known**.

C. H₂S Contingency Plan

Shell will provide a H₂S Contingency Plan with the Application for Permit to Drill before conducting the proposed exploration activities.

D. Modeling Report

We do not anticipate encountering or handling H₂S at concentrations greater than 500 parts per million (ppm) and therefore have not included modeling for H₂S.

PUBLIC INFORMATION

SECTION 9: OIL SPILL INFORMATION

A. Oil Spill Response Planning

All the proposed activities in this EP will be covered by the Regional OSRP filed by Shell Offshore Inc. (0689) in accordance with 30 CFR 254.47 and NTL 2013-N02. Shell's regional OSRP was approved by BSEE June 2017 and the bi-annual update was found to be in compliance November 22, 2019.

Spill Response sites are as follows:

Primary Response Equipment Locations	Preplanned Staging Location(s)
Venice, LA; Ft Jackson, LA; Harvey, LA; Stennis, MS; Pascagoula, MS	Venice, LA; Pacagouls, MS ; Mobile, AL

Table 9.1 – Response Equipment and Staging Areas

The names of the OSRO's under contract include Clean Gulf Associates (CGA), Marine Spill Response Company (MSRC), Clean Caribbean America (CCA) and OSRL/EARL.

Category	Regional OSRP	EP
Type of Activity	Exploratory Drilling	Exploratory Drilling
Facility Location (area/block)	MC 812	MC 391
Facility Designation	Subsea well B◇◇	Subsea well 1◇
Distance to Nearest Shoreline (miles)	59	72
Volume		
Storage tanks (total)	N/A	N/A
Flowlines (on facility)	N/A	N/A
Pipelines	N/A	N/A
Uncontrolled blowout (volume per day)	468,000** BOPD	416,414* BOPD
Total Volume	468,000 Bbls	416,414 Bbls
Type of Oil(s) - (crude oil, condensate, diesel)	Crude oil	Crude oil
API Gravity(s)	31°	37.5°

Table 9.2 - Worst Case Scenario Determination

***24 hour rate (391,808 BOPD 30 day average)**

****24 hour rate (432,000 BOPD 30 day average)**

◇ This well was reviewed and accepted by BOEM in Plan S-7444 (May 2011) and by BSEE on July 10, 2012 during the drilling of the well. The 30-day average was updated in OSRP in July 2012. The well in this plan does not exceed the already-approved well for this area.

◇◇ This well was reviewed and accepted by BOEM in Plan N-9840 approved by BOEM on December 31, 2014.

Certification: *Since Shell has the capability to respond to the appropriate worst-case spill scenario included in its Regional OSRP, approved April 11, 2013 and Bi-Annual approved July 17, 2015 and modified August 5, 2015, I hereby certify that Shell has the capability to respond, to the maximum extent practicable, to a worst-case discharge, or a substantial threat of such a discharge, resulting from the activities proposed in our EP.*

Modeling:

Shell did not model a potential oil or hazardous substance spill for operations proposed in this plan.