

OCS PLAN INFORMATION FORM

General Information											
Type of OCS Plan:		Exploration Plan (EP) <input checked="" type="checkbox"/>		Development Operations Coordination Document (DOCD)							
Company Name: Shell Gulf of Mexico, Inc.				BOEM Operator Number: 02117							
Address:				Contact Person: Susan Childs							
3601 C Street, Suite 1000				Phone Number: (907) 770-3700							
Anchorage Alaska 99503				E-Mail Address: susan.childs@shell.com							
If a service fee is required under 30 CFR 550.125(a), provide the				Amount paid		\$20,652		Receipt No.			
Project and Worst Case Discharge (WCD) Information											
Lease(s): Y-2321			Area: Posey		Block(s): 3012		Project Name (If Applicable): Chukchi Prospect				
Objective(s)		<input checked="" type="checkbox"/> Oil	<input checked="" type="checkbox"/> Gas	Sulphur		Salt		Onshore Support Base(s): Barrow, Wainwright			
Platform/Well Name: Burger J			Total Volume of WCD: 23,100 bbl/day					API Gravity: 28			
Distance to Closest Land (Miles): >64 miles			Volume from uncontrolled blowout: 23,100 bbl/day								
Have you previously provided information to verify the calculations and assumptions for your WCD?								<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If so, provide the Control Number of the EP or DOCD with which this information was provided								2015 Chukchi Sea EP Revision 2			
Do you propose to use new or unusual technology to conduct your activities?								<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Do you propose to use a vessel with anchors to install or modify a structure?								<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Do you propose any facility that will serve as a host facility for deepwater subsea development?								<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Description of Proposed Activities and Tentative Schedule (Mark all that apply)											
Proposed Activity				Start Date		End Date		No. of Days			
Exploration drilling				July 4		October 31		119			
Development drilling											
Well completion											
Well test flaring (for more than 48 hours)											
Installation or modification of structure											
Installation of production facilities											
Installation of subsea wellheads and/or manifolds											
Installation of lease term pipelines											
Commence production											
Other (Specify and attach description)											
Description of Drilling Rig						Description of Structure					
Jackup		<input checked="" type="checkbox"/>	Drillship			Caisson				Tension leg platform	
Gorilla Jackup		<input type="checkbox"/>	Platform rig			Fixed platform				Compliant tower	
<input checked="" type="checkbox"/> Semisubmersible		<input type="checkbox"/>	Submersible			Spar				Guyed tower	
DP Semisubmersible		<input type="checkbox"/>	Other (Attach Description)			Floating production system				Other (Attach Description)	
Drilling Rig Name (If Known): Noble Discoverer (drillship); Polar Pioneer (semisub)											
Description of Lease Term Pipelines											
From (Facility/Area/Block)		To (Facility/Area/Block)		Diameter (Inches)		Length (Feet)					

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

Proposed Well/Structure Location									
Well or Structure Name/Number (If renaming well or structure, reference previous name): Burger A				Previously reviewed under an approved EP or DOCD?		<input checked="" type="checkbox"/>	Yes	No 2011 Chukchi Sea EP	
Is this an existing well or structure?		<input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	If this is an existing well or structure, list the Complex ID or API No.		55-352-0000200		
Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities?						<input checked="" type="checkbox"/>	Yes	No	
WCD info	For wells, volume of uncontrolled blowout (Bbls/day): 19,031			For structures, volume of all storage and pipelines (Bbls):		API Gravity of fluid			
	Surface Location			Bottom-Hole Location (For Wells)		Completion (For multiple completions, enter separate lines)			
Lease No.	OCS Y-2280			OCS		OCS OCS			
Area Name	Posey								
Block No.	6764								
Blockline Departures (in feet)	N/S Departure: F ^s ___ L 2359.34			N/S Departure: F ^s ___ L		N/S Departure: F___ L N/S Departure: F___ L N/S Departure: F___ L			
	E/W Departure: F ^w ___ L 1545.26			E/W Departure: F ^w ___ L		E/W Departure: F___ L E/W Departure: F___ L E/W Departure: F___ L			
Lambert X-Y coordinates	X: UTM03N X:563945.26			X:		X: X: X:			
	Y: UTM03N Y:7912759.34			Y:		Y: Y: Y:			
Latitude/ Longitude	Latitude N71 deg 18' 30.92"			Latitude		Latitude Latitude Latitude			
	Longitude W163 deg 12' 43.17"			Longitude		Longitude Longitude Longitude			
Water Depth (Feet): 150				MD (Feet):		TVD (Feet):		MD (Feet): MD (Feet): MD (Feet):	
Anchor Radius (if applicable) in feet:				maximum of 3,608				TVD (Feet): TVD (Feet): TVD (Feet):	
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 =					
			X =	Y =					
			X =	Y =					
			X =	Y =					
			X =	Y =					

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Proposed Well/Structure Location									
Well or Structure Name/Number (If renaming well or structure, reference previous name): Burger F				Previously reviewed under an approved EP or DOCD?		<input checked="" type="checkbox"/>	Yes	No 2011 Chukchi Sea EP	
Is this an existing well or structure?		<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	If this is an existing well or structure, list the Complex ID or API No.			
Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities?						<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
WCD info	For wells, volume of uncontrolled blowout (Bbls/day): 11,763			For structures, volume of all storage and pipelines (Bbls):			API Gravity of fluid		
	Surface Location			Bottom-Hole Location (For Wells)			Completion (For multiple completions, enter separate lines)		
Lease No.	OCS Y-2267			OCS			OCS OCS		
Area Name	Posey								
Block No.	6714								
Blockline Departures (in feet)	N/S Departure: F ^s ___ L 756.94			N/S Departure: F ^s ___ L			N/S Departure: F___ L N/S Departure: F___ L N/S Departure: F___ L		
	E/W Departure: F ^w ___ L 1663.30			E/W Departure: F ^w ___ L			E/W Departure: F___ L E/W Departure: F___ L E/W Departure: F___ L		
Lambert X-Y coordinates	X: UTM03N X:564063.30			X:			X: X: X:		
	Y: UTM03N Y:7915956.94			Y:			Y: Y: Y:		
Latitude/ Longitude	Latitude N71 deg 20' 13.96"			Latitude			Latitude Latitude Latitude		
	Longitude W163 deg 12' 21.75"			Longitude			Longitude Longitude Longitude		
Water Depth (Feet): 149				MD (Feet):		TVD (Feet):		MD (Feet): MD (Feet): MD (Feet):	
Anchor Radius (if applicable) in feet:				maximum of 3,608				TVD (Feet): TVD (Feet): TVD (Feet):	
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 =					
			X =	Y =					
			X =	Y =					
			X =	Y =					
			X =	Y =					

OCS PLAN INFORMATION FORM (CONTINUED)
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Proposed Well/Structure Location									
Well or Structure Name/Number (If renaming well or structure, reference previous name): Burger J				Previously reviewed under an approved EP or DOCD?		<input checked="" type="checkbox"/>	Yes	No 2011 Chukchi Sea EP	
Is this an existing well or structure?		<input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	If this is an existing well or structure, list the Complex ID or API No.		55-352-00004-00		
Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities?						<input checked="" type="checkbox"/>	Yes	No	
WCD info	For wells, volume of uncontrolled blowout (Bbls/day): 23,100			For structures, volume of all storage and pipelines (Bbls):		API Gravity of fluid			
	Surface Location			Bottom-Hole Location (For Wells)		Completion (For multiple completions, enter separate lines)			
Lease No.	OCS Y-2321			OCS		OCS OCS			
Area Name	Posey								
Block No.	6912								
Blockline Departures (in feet)	N/S Departure: F ^s ___ L 1424.42			N/S Departure: F ^s ___ L		N/S Departure: F___ L N/S Departure: F___ L N/S Departure: F___ L			
	E/W Departure: F ^w ___ L 2236.01			E/W Departure: F ^w ___ L		E/W Departure: F___ L E/W Departure: F___ L E/W Departure: F___ L			
Lambert X-Y coordinates	X: UTM03N X:555036.01			X:		X: X: X:			
	Y: UTM03N Y:7897424.42			Y:		Y: Y: Y:			
Latitude/ Longitude	Latitude N71 deg 10' 24.03"			Latitude		Latitude Latitude Latitude			
	Longitude W163 deg 28' 18.52"			Longitude		Longitude Longitude Longitude			
Water Depth (Feet): 144				MD (Feet):		TVD (Feet):		MD (Feet): MD (Feet): MD (Feet):	
Anchor Radius (if applicable) in feet:				maximum of 3,608				TVD (Feet): TVD (Feet): TVD (Feet):	
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 =					
			X =	Y =					
			X =	Y =					
			X =	Y =					
			X =	Y =					

OCS PLAN INFORMATION FORM (CONTINUED)
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Proposed Well/Structure Location									
Well or Structure Name/Number (If renaming well or structure, reference previous name): Burger R				Previously reviewed under an approved EP or DOCD?		<input checked="" type="checkbox"/>	Yes	No 2011 Chukchi Sea EP	
Is this an existing well or structure?		<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	If this is an existing well or structure, list the Complex ID or API No.			
Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities?						<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
WCD info	For wells, volume of uncontrolled blowout (Bbls/day): 8,689			For structures, volume of all storage and pipelines (Bbls):			API Gravity of fluid		
	Surface Location			Bottom-Hole Location (For Wells)			Completion (For multiple completions, enter separate lines)		
Lease No.	OCS Y-2294			OCS			OCS OCS		
Area Name	Posey								
Block No.	6812								
Blockline Departures (in feet)	N/S Departure: F ^N L 2401.99			N/S Departure: F ^N L			N/S Departure: F L N/S Departure: F L N/S Departure: F L		
	E/W Departure: F ^W L 565.47			E/W Departure: F ^W L			E/W Departure: F L E/W Departure: F L E/W Departure: F L		
Lambert X-Y coordinates	X: UTM03N X:553365.47			X:			X: X: X:		
	Y: UTM03N Y:7907998.91			Y:			Y: Y: Y:		
Latitude/ Longitude	Latitude N71 deg 16' 06.57"			Latitude			Latitude Latitude Latitude		
	Longitude W163 deg 30' 39.44"			Longitude			Longitude Longitude Longitude		
Water Depth (Feet): 143				MD (Feet):		TVD (Feet):		MD (Feet): MD (Feet): MD (Feet):	
Anchor Radius (if applicable) in feet:				maximum of 3,608				TVD (Feet): TVD (Feet): TVD (Feet):	
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 =					
			X =	Y =					
			X =	Y =					
			X =	Y =					
			X =	Y =					

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

Proposed Well/Structure Location									
Well or Structure Name/Number (If renaming well or structure, reference previous name): Burger S				Previously reviewed under an approved EP or DOCD?		<input checked="" type="checkbox"/>	Yes	No 2011 Chukchi Sea EP	
Is this an existing well or structure?		<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	If this is an existing well or structure, list the Complex ID or API No.			
Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities?						<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
WCD info	For wells, volume of uncontrolled blowout (Bbls/day): 19,127			For structures, volume of all storage and pipelines (Bbls):			API Gravity of fluid		
	Surface Location			Bottom-Hole Location (For Wells)			Completion (For multiple completions, enter separate lines)		
Lease No.	OCS Y-2278			OCS			OCS OCS		
Area Name	Posey								
Block No.	6762								
Blockline Departures (in feet)	N/S Departure: F ^N L 1001.52			N/S Departure: F ^N L			N/S Departure: F L N/S Departure: F L N/S Departure: F L		
	E/W Departure: F ^W L 1590.64			E/W Departure: F ^W L			E/W Departure: F L E/W Departure: F L E/W Departure: F L		
Lambert X-Y coordinates	X: UTM03N X:554390.64			X:			X: X: X:		
	Y: UTM03N Y:7914198.48			Y:			Y: Y: Y:		
Latitude/ Longitude	Latitude N71 deg 19' 25.79"			Latitude			Latitude Latitude Latitude		
	Longitude W163 deg 28' 40.84"			Longitude			Longitude Longitude Longitude		
Water Depth (Feet): 147				MD (Feet):		TVD (Feet):		MD (Feet): MD (Feet): MD (Feet):	
Anchor Radius (if applicable) in feet:				maximum of 3,608				TVD (Feet): TVD (Feet): TVD (Feet):	
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 =					
			X =	Y =					
			X =	Y =					
			X =	Y =					
			X =	Y =					

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

Proposed Well/Structure Location									
Well or Structure Name/Number (If renaming well or structure, reference previous name): Burger V				Previously reviewed under an approved EP or DOCD?		<input checked="" type="checkbox"/>	Yes	No 2011 Chukchi Sea EP	
Is this an existing well or structure?		<input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	If this is an existing well or structure, list the Complex ID or API No.		55-352-00007-00		
Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities?						<input checked="" type="checkbox"/>	Yes	No	
WCD info	For wells, volume of uncontrolled blowout (Bbls/day): 13,812			For structures, volume of all storage and pipelines (Bbls):		API Gravity of fluid			
	Surface Location			Bottom-Hole Location (For Wells)		Completion (For multiple completions, enter separate lines)			
Lease No.	OCS Y-2324			OCS		OCS OCS			
Area Name	Posey								
Block No.	6915								
Blockline Departures (in feet)	N/S Departure: F ^s ___ L 2124.84			N/S Departure: F ^s ___ L		N/S Departure: F___ L N/S Departure: F___ L N/S Departure: F___ L			
	E/W Departure: F ^w ___ L 2201.40			E/W Departure: F ^w ___ L		E/W Departure: F___ L E/W Departure: F___ L E/W Departure: F___ L			
Lambert X-Y coordinates	X: UTM03N X:569401.40			X:		X: X: X:			
	Y: UTM03N Y:7898124.84			Y:		Y: Y: Y:			
Latitude/ Longitude	Latitude N71 deg 10' 33.39"			Latitude		Latitude Latitude Latitude			
	Longitude W163 deg 04' 21.23"			Longitude		Longitude Longitude Longitude			
Water Depth (Feet): 147				MD (Feet):		TVD (Feet):		MD (Feet): MD (Feet): MD (Feet):	
Anchor Radius (if applicable) in feet:				maximum of 3,608				TVD (Feet): TVD (Feet): TVD (Feet):	
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 =					
			X =	Y =					
			X =	Y =					
			X =	Y =					
			X =	Y =					

OCS PLAN INFORMATION FORM (CONTINUED)

Provide the following information for the well with the highest Worst Case Discharge volume:

Worst Case Discharge (WCD) Well Information							
WCD Well Name	Surface Lease	Surface Area/Block	Bottom Lease	Bottom Area/Block	Product Type	MD	TVD
Proprietary	Information						

Analog Well(s)			
Area/Block	OCS Lease	Well No.	API No.

Geologic Data for WCD

Open Hole Interval for WCD	
Top (TVD in feet)	Base (TVD in feet)

	Sand 1	Sand 2	Sand 3	Sand 4	Sand 5
Formation Data					
Sand Name					
Estimated Top TVD					
Estimated Base TVD					
Estimated Net Sand Height MD (Net Pay if hydrocarbon)					
Estimated Net Sand Height TVT (Net Pay if hydrocarbon)					
Fluid Type					
Used in WCD? (Yes/No)					

Seismic Survey Used	

Engineering Data for WCD

WCD Engineering Items												
WCD (STB/Day)												
WCD Calculated at	Mudline		Yes		No		Atmosphere		Yes		No	
Flow Correlation												
Outlet Pressure (Psia)												
Gas Turbulence Factor												
Software Model Used												

	Sand 1	Sand 2	Sand 3	Sand 4	Sand 5
Formation Data					
Sand Name					
Permeability (mD)					
Initial Pressure (PSIA)					

OCS PLAN INFORMATION FORM (CONTINUED)

	Sand 1	Sand 2	Sand 3	Sand 4	Sand 5
Formation Data					
Reservoir Temperature (F)					
Porosity (0.00)					
Water Saturation (0.00)					
Rock Compressibility (microsips)					
Water Salinity (ppm)					
Drive Mechanism					
Drainage Area (acres)					
Oil Reservoir Data					
Bubble Point Pressure (PSIA)					
Initial Bo (RB/STB)					
Bo (RB/STB) @ Bubble Point					
Rsi (SCF/STB)					
Initial Oil Viscosity (Cp)					
Oil Viscosity (CP) @ Bubble Point					
Oil Compressibility (1/PSIA)					
Oil API Gravity (API)					
Specific Gas Gravity (0.00)					
Gas Reservoir Data					
Condensate API Gravity (API)					
Specific Gas Gravity (0.00)					
Yield (STB/MMCF)					

Source of Permeability Used			
Permeability from MDT			
Permeability from Core Analysis	Percussion core	Rotary sidewall core	Conventional core
Pressure Transient Analysis			
Permeability from CMR or NMR log analysis			
Permeability from other source			

Provide Model Input Values for Relative Permeability:	
Residual Oil to Gas fraction (=1-Slc-Swc)	
Residual Oil to Water fraction (=Soc)	
Critical Gas fraction (Sgc, Gas/Oil-Water Systems)	
Residual Gas to Water fraction (Sgc, Gas/Gas-Water Systems)	
Kro Oil Curve Endpoint (fraction of absolute permeability)	
Krg Gas Curve Endpoint (fraction of absolute permeability)	
Krw Water Curve Endpoint (fraction of absolute permeability)	

Paperwork Reduction Act of 1995 Statement: The Paperwork Reduction Act of 1995 (44 U.S.C. 2501 et seq.) requires us to inform you that BOEM collects this information as part of an applicant's Exploration Plan or Development Operations Coordination Document submitted for BOEM approval. We use the information to facilitate our review and data entry for OCS plans. We will protect proprietary data according to the Freedom of Information Act and 30 CFR 550.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid Office of Management and Budget Control Number. Responses are mandatory (43 U.S.C. 1334). The public reporting burden for this form is included in the burden for preparing Exploration Plans and Development Operations Coordination Documents. We estimate that burden to average 600 hours with an accompanying EP, or 700 hours with an accompanying DPP or DOCD, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms associated with subpart B. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Ocean Energy Management, 381 Elden Street, Herndon, VA 20170.