

### Application for Permit to Modify (APM)

<b>Lease</b> P00300	<b>Area</b> LB	<b>Block</b> 6438	<b>Well Name</b> A048	<b>ST</b> 00	<b>BP</b> 00	<b>Type</b> Development
<b>Application Status</b> Approved		<b>Operator</b> 03126 Beta Operating Company, LLC				
<b>Pay.gov</b> <b>Amount:</b> \$125.00		<b>Agency</b> <b>Tracking ID:</b> EWL-APM-208285		<b>Pay.gov</b> <b>Tracking ID:</b> 26NK1H0J		
<b>General Information</b>						
<b>API</b> 043122006700		<b>Approval Dt</b> 20-FEB-2020		<b>Approved By</b> John Kaiser		
<b>Submitted Dt</b> 17-FEB-2020		<b>Well Status</b> Completed		<b>Water Depth</b> 265		
<b>Surface Lease</b> P00300		<b>Area</b> LB		<b>Block</b> 6438		
<b>Approval Comments</b>						
Conditions of Approval: 1)All operations must be conducted in accordance with the OCS Lands Act (OCSLA), the lease terms and stipulations, the regulations of 30 CFR Part 250, Notices to Lessees and Operators (NTLs), the approved (revised) Application for Permit to Modify (APM/RPM), and any written instructions or orders of the District Manager. 2)A copy of this permit (including all attachments) must be kept on location and made available to inspectors upon request during the permitted operation. 3)All pressure containing equipment must be tested to the approved permitted pressure and recorded on the daily operations report. If well pressures exceed the SITP/MASP stated in the approved permit, the equipment in use must be tested at a minimum to the new observed pressure. The appropriate District must be immediately notified of this pressure change and a RPM submitted to document the change. 4)Notify the Permitting Section at Least 24 hours in advance of beginning these approved operations AND of any required BOP tests. 5)WAR reports are due no later than noon each Wednesday.						
<b>Correction Narrative</b>						
<b>Permit Primary Type</b> Enhance Production						
<b>Permit Subtype(s)</b> Acidize Change Tubing						
<b>Operation Description</b>						
<b>Procedural Narrative</b>						
A-48 Injector Well plan is as follows; pull existing tubing, cleanout to PBTD, perform an Acid Stimulation, and replace the Tubing and Packer.  SB4 Volume Calculation: 7,082 gals for a 517 ft perforation Interval with reservoir porosity of 26% Job design calls for 1,800 gals of 15% HCL equivalent  This job will require Pump 1260 gals (10 bbls) MTS Pre-Flush Blend of 4% NH4CL & 55 gals of mutual solvent, 1,800 gals (42.8 bbls) of MTS acid Treatment with Additives, and 9.2 PPG CaCl2 brine. The Final Displacement is 13 BBLS of 9.2 CaCl2 brine on an assumed 0 to 500 PSI BHP. Treating pressure at 2 BPM. The maximum allowable surface treating pressure for this treatment will be 1,000 psig.						
<b>Subsurface Safety Valve</b>						

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**Type Installed**    SCSSV  
**Feet below Mudline**    250  
**Maximum Anticipated Surface Pressure (psi)**    1400  
**Shut-In Tubing Pressure (psi)**

**Rig Information**

Name	Id	Type	ABS Date	Coast Guard Date
BETA RIG #1	36007	PLATFORM	01-JAN-2014	01-JAN-2014

**Blowout Preventers**

Preventer	Size	Working Pressure	--- Test Pressure ---	
			Low	High
Rams	2x5	5000	250	2350
Annular		5000	250	2350

**Date Commencing Work (mm/dd/yyyy)** 25-FEB-2020

**Estimated duration of the operation (days)** 9

**Verbal Approval Information**

<b>Official</b>	<b>Date (mm/dd/yyyy)</b>
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**Questions**

Number	Question	Response	Response Text
1	Is H2S present in the well? If yes, then comment on the inclusion of a Contingency Plan for this operation.	NO	
2	Is this proposed operation the only lease holding activity for the subject lease? If yes, then comment.	NO	
3	Will all wells in the well bay and related production equipment be shut-in when moving on to or off of an offshore platform, or from well to well on the platform? If not, please explain.	N/A	
4	Are you downhole commingling two or more reservoirs?	NO	
5	Will the completed interval be within 500 feet of a lease or unit boundary line? If yes, then comment.	NO	
6	For permanent abandonment, will casings be cut 15 feet below the mudline? If no, then comment.	N/A	
7	Will the proposed operation be covered by an EPA Discharge Permit? (Please provide permit number in comments for this question)	N/A	

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#### ATTACHMENTS

File Type	File Description
pdf	Well A-48 CER
pdf	Proposed Wellbore Schematic
pdf	Current Wellbore Schematic
pdf	A-48 PROGRAM
pdf	Ellen BOP Data Book 1 of 4
pdf	Ellen BOP Data Book 2 of 4
pdf	Ellen BOP Data Book 3 of 4
pdf	Ellen BOP Data Book 4 of 4

#### CONTACTS

<b>Name</b>	Marielle Lomax
<b>Company</b>	Beta Operating Company, LLC
<b>Phone Number</b>	562-628-1544
<b>E-mail Address</b>	marielle.lomax@amplifyenergy.com
<b>Contact Description</b>	Operations Engineer

CERTIFICATION: I certify that information submitted is complete and accurate to the best of my knowledge. I understand that making a false statement may subject me to ci

Name and Title	Date
Marielle Lomax, Drilling Engineer	17-FEB-2020

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq. Requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. MMS uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operation. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.196. 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 OMB Control Number. Public reporting burden for this form is estimated to average 11/4 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 4230, Minerals Management Service, 1849 C Street, N.W., Washington, DC 20240.