

Revised Permit to Modify (RPM)

Lease P00301	Area LB	Block 6488	Well Name C059	ST 01	BP 00	Type Development
Application Status Approved		Operator 03126 Beta Operating Company, LLC				

Pay.gov	Agency	Pay.gov
Amount:	Tracking ID:	Tracking ID:

General Information

API 043122016401	Approval Dt 25-SEP-2024	Approved By Carl Lakner
Submitted Dt 10-SEP-2024	Well Status Drilling Active	Water Depth 700
Surface Lease P00301	Area LB	Block 6488

Approval Comments

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 72 hours in advance of beginning these approved operations AND of any required BOP tests AND of any plug testing or tagging. You MUST NOT proceed with these operations until an inspector can arrive to witness the testing OR the Permitting Section Chief or his designee waives the witnessing.
- 5) WARS Due BY Wednesdays

Correction Narrative

Open hole gravel pack procedure revised to include acid job during running ESP.

Permit Primary Type Completion

Permit Subtype(s)

Initial Completion

Proposed or Completed Work

Operation Description

Procedural Narrative

The C-59 ST1 will be completed in the D sand. The CaCl₂ drilling mud will be changed over to equivalent weight calcium chloride brine water prior to starting Gravel Pack operations. The lateral will be completed with 4" sand screens and a 7-5/8" SC-1R Gravel Pack Packer. After Gravel Pack operations are completed, the production string will be run. Production string will consist of new ESP motor, seals, pump and pressure/temp sensor, packer, mud line packer and SSSV on 3-1/2" tubing. The tubing will be landed with a BPV, the BOPE will be ND, and the production tree will be installed.

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Acid will be used during the open hole clean up and when running the ESP.
 SB4 Volume Calculation:
 71.8 gals per foot over 1500' of reservoir sand at a porosity of 26% yields an SB4 volume of 107,700 gallons.
 Job design calls for 10,310 gals of Acid (2310 gals during GP and 8000 gals of DAD Acid during running ESP).

Subsurface Safety Valve
Type Installed SCSSV
Feet below Mudline 274
Maximum Anticipated Surface Pressure (psi) 1400
Shut-In Tubing Pressure (psi) 0
Maximum Anticipated Wellhead Pressure (psi)
Shut-In Wellhead Pressure (psi)

Rig Information				
Name	Id	Type	ABS Date	Coast Guard Date
BETA RIG #2	36006	PLATFORM		

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

Date Commencing Work (mm/dd/yyyy) 01-OCT-2024

Estimated duration of the operation (days) 5

Verbal Approval Information
Official _____ **Date (mm/dd/yyyy)** _____

Questions			
Number	Question	Response	Response Text
A	Is H2S present in the well? If yes, then comment on the inclusion of a Contingency Plan for this operation.	NO	
B	Is this proposed operation the only lease holding activity for the subject lease? If yes, then comment.	NO	
C	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	

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D	If sands are to be commingled for this completion, has approval been obtained?	N/A	
E	Will the completed interval be within 500 feet of a block line? If yes, then comment.	NO	
F	For permanent abandonment, will casings be cut 15 feet below the mudline? If no, then comment.	N/A	
G	Will you ensure well-control fluids, equipment, and operations be designed, utilized, maintained, and/or tested as necessary to control the well in foreseeable conditions and circumstances, including subfreezing conditions?	YES	
H	Will digital BOP testing be used for this operation? If "yes", state which version in the comment box?	NO	
I	Is this APM being submitted to remediate sustained casing pressure (SCP)? If "yes," please specify annulus in the comment box. If you have been given a departure/denial for SCP, include in the attachments.	NO	
J	Are you pulling tubulars and/or casing with a crane? If "YES" have documentation on how you will verify the load is free per API RP 2D. This documentation must be maintained by the lessee at the lessee's field office.	NO	
K	Will the proposed operation be covered by an EPA Discharge Permit? (Please provide permit number comments for this question).	N/A	
L	Will you be using multiple size work string/ tubing/coil tubing/snubbing/wireline? If yes, attach a list of all sizes to be used including the size, weight, and grade.	NO	

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Questions

Number	Question	Response	Response Text
M	For both surface and subsea operations, are you utilizing a dynamically positioned vessel and/or non-bottom supported vessel at any time during this operation?	NO	

ATTACHMENTS

File Type	File Description
pdf	Proposed Wellbore Schematic
pdf	Current Wellbore Schematic
pdf	C-59 Completion Program
pdf	C-59 Proposed Directional Program
pdf	Eureka BOP data for APM 1 of 3
pdf	Eureka BOP data for APM 2 of 3
pdf	Eureka BOP data for APM 3 of 3
pdf	Well C-59 Comp CER
pdf	REVISED Proposed Wellbore Diagram
pdf	REVISED Completion Program

CONTACTS

Name Rebecca Altemus
Company Beta Operating Company, LLC
Phone Number 832-408-8652
E-mail Address rebecca.altemus@amplifyenergy.com
Contact Description

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 c1

Name and Title

Date

Rebecca Altemus, Senior Staff Reservoir Eng

10-SEP-2024

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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.

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Variations Requested for this Permit

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Existing Variances

No previously approved variances exist for this permit

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Reviews

Review:	APM - District Production Engineering Review
Sent:	25-SEP-24
Review Started:	25-SEP-24
Review Finished:	25-SEP-24
Info Adequate:	Y
Review Remarks:	
Review:	BOP Control System Drawing Review
Sent:	25-SEP-24
Review Started:	25-SEP-24
Review Finished:	25-SEP-24
Info Adequate:	Y
Review Remarks:	
Review:	Determination of NEPA Adequacy
Sent:	16-SEP-24
Review Started:	16-SEP-24
Review Finished:	16-SEP-24
Info Adequate:	Y
Review Remarks:	