

| Well Name       | Well Number | US Well Number | Lease Number | Case Number | Operator     |
|-----------------|-------------|----------------|--------------|-------------|--------------|
| KYLE FEDERAL    | 6H          | 3001553615     | NMNM013074   | NMNM013074  | MARATHON OIL |
| KYLE FEDERAL    | 7H          | 3001548305     | NMNM13074    | NMNM13074   | MARATHON OIL |
| KYLE FEDERAL    | 8H          | 3001548306     | NMNM13074    | NMNM13074   | MARATHON OIL |
| MADERA 25 WA    | 2H          | 3002549340     | NMNM65441    | NMNM65441   | MARATHON OIL |
| CAVE LION       | 18H         | 3002545425     | NMNM13647    | NMNM13647   | MARATHON OIL |
| HEGEMON 21 WB   | 21H         | 3001553913     | NMNM135099   | NMNM135099  | MARATHON OIL |
| HEGEMON 21 WB   | 24H         | 3001553914     | NMNM138837   | NMNM138837  | MARATHON OIL |
| FREMEN 7 WXY    | 3H          | 3001548712     | NMLC064200   | NMLC064200  | MARATHON OIL |
| NED PEPPER 18   | 6H          | 3002547480     | NMNM123528   | NMNM123528  | MARATHON OIL |
| BLUE STEEL 21   | 23H         | 3001553942     | NMNM86024    | NMNM86024   | MARATHON OIL |
| DOLLY PURRTON   | 702H        | 3002550336     | NMNM084729   | NMNM084729  | MARATHON OIL |
| SWALLOWTAIL     | 6H          | 3002550008     | NMNM084729   | NMNM084729  | MARATHON OIL |
| CHICKEN FRY 15- | 16H         | 3001549700     | NMNM0556542  | NMNM0556542 | MARATHON OIL |
| CHICKEN FRY 15- | 17H         | 3001549701     | NMNM0556542  | NMNM0556542 | MARATHON OIL |
| CHAOS WC        | 701H        | 3001553642     | NMNM19842B   | NMNM19842B  | MARATHON OIL |
| MAZER NORTH     | 2H          | 3001554008     | NMNM114972   | NMNM114972  | MARATHON OIL |
| HEGEMON 21 WA   | 22H         | 3001553910     | NMNM138837   | NMNM138837  | MARATHON OIL |
| HEGEMON 21 WB   | 29H         | 3001553931     | NMNM138837   | NMNM138837  | MARATHON OIL |
| NED PEPPER 18   | 4H          | 3002547477     | NMNM123528   | NMNM123528  | MARATHON OIL |
| MADERA 24 WXY   | 14H         | 3002549613     | NMNM65441    | NMNM65441   | MARATHON OIL |
| MADERA 25 WB    | 13H         | 3002549617     | NMNM65441    | NMNM65441   | MARATHON OIL |
| COLOSSUS 18-19  | 4H          | 3002549532     | NMNM104706   | NMNM104706  | MARATHON OIL |
| DOLLY PURRTON   | 703H        | 3002550467     | NMNM084729   | NMNM084729  | MARATHON OIL |
| SWALLOWTAIL     | 8H          | 3002550009     | NMNM084729   | NMNM084729  | MARATHON OIL |
| WHISTLE PIG 1   | 201H        | 3001549798     | NMNM016104   | NMNM016104  | MARATHON OIL |
| MADERA 24       | 1H          | 3002549205     | NMNM65441    | NMNM65441   | MARATHON OIL |
| MADERA 24       | 7H          | 3002549208     | NMNM65441    | NMNM65441   | MARATHON OIL |
| KYLE 34 WD      | 4H          | 3001548729     | NMNM13074    | NMNM13074   | MARATHON OIL |
| KYLE 34 WD      | 22H         | 3001548730     | NMNM13074    | NMNM13074   | MARATHON OIL |
| CHICKEN FRY 22  | 16H         | 3001545739     | NMNM0556542  | NMNM0556542 | MARATHON OIL |
| MAZER           | 9H          | 3001553406     | NMNM138836   | NMNM138836  | MARATHON OIL |
| HEGEMON 21      | 18H         | 3001553935     | NMNM135099   | NMNM135099  | MARATHON OIL |
| ATREIDES 8 WXY  | 5H          | 3001549703     | NMNM112268   | NMNM112268  | MARATHON OIL |
| ROY BATTY 33    | 5H          | 3001549133     | NMNM115411   | NMNM115411  | MARATHON OIL |
| BLUE STEEL 21   | 5H          | 3001553775     | NMNM86024    | NMNM86024   | MARATHON OIL |
| BLUE STEEL 21   | 16H         | 3001553939     | NMNM119272   | NMNM119272  | MARATHON OIL |
| MADERA 24 TB    | 17H         | 3002550417     | NMNM65441    | NMNM65441   | MARATHON OIL |
| TROJAN HORSE    | 3H          | 3001549705     | NMNM19601    | NMNM19601   | MARATHON OIL |
| DOLLY PURRTON   | 701H        | 3002550466     | NMNM084729   | NMNM084729  | MARATHON OIL |
| MAZER NORTH     | 1H          | 3001554017     | NMNM114972   | NMNM114972  | MARATHON OIL |
| BING CLAWSBY    | 6H          | 3002551388     | NMNM84728    | NMNM84728   | MARATHON OIL |

| Well Name       | Well Number | US Well Number | Lease Number | Case Number  | Operator     |
|-----------------|-------------|----------------|--------------|--------------|--------------|
| GOLIATH 24 FED  | 702H        | 3002552753     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 FED   | 10H         | 3002549339     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 FED   | 6H          | 3002549342     | NMNM65441    | NMNM65441    | MARATHON OIL |
| CHILI PARLOR    | 7H          | 3002546360     | NMNM114984   | NMNM114984   | MARATHON OIL |
| HEGEMON 21 WA   | 16H         | 3001553934     | NMNM135099   | NMNM135099   | MARATHON OIL |
| HEGEMON 21 WA   | 30H         | 3001553912     | NMNM138837   | NMNM138837   | MARATHON OIL |
| FREMEN 7 WXY    | 5H          | 3001548711     | NMLC064200   | NMLC064200   | MARATHON OIL |
| MADERA 24 WB    | 13H         | 3002549611     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 WXY   | 14H         | 3002549619     | NMNM65441    | NMNM65441    | MARATHON OIL |
| SWALLOWTAIL     | 11H         | 3002550468     | NMNM084729   | NMNM084729   | MARATHON OIL |
| BING CLAWSBY    | 4H          | 3002551268     | NMNM84728    | NMNM84728    | MARATHON OIL |
| GOLIATH 24 FED  | 301H        | 3002552750     | NMNM65441    | NMNM65441    | MARATHON OIL |
| GOLIATH 24 FED  | 601H        | 3002552752     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 FED   | 7H          | 3002549343     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 19 FED   | 11H         | 3002549202     | NMNM93223    | NMNM93223    | MARATHON OIL |
| CHILI PARLOR    | 9H          | 3002546361     | NMNM114984   | NMNM114984   | MARATHON OIL |
| MAZER           | 13H         | 3001553408     | NMNM138836   | NMNM138836   | MARATHON OIL |
| HEGEMON 21 WA   | 25H         | 3001553911     | NMNM138837   | NMNM138837   | MARATHON OIL |
| ROY BATTY 33    | 3H          | 3001549131     | NMNM115411   | NMNM115411   | MARATHON OIL |
| BLUE STEEL 21   | 3H          | 3001553774     | NMNM86024    | NMNM86024    | MARATHON OIL |
| BLUE STEEL 21   | 17H         | 3001553940     | NMNM119272   | NMNM119272   | MARATHON OIL |
| MADERA 24 WA    | 18H         | 3002550418     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 TB    | 17H         | 3002549615     | NMNM65441    | NMNM65441    | MARATHON OIL |
| CROSSBOW        | 10H         | 3001549858     | NMNM0540701A | NMNM0540701A | MARATHON OIL |
| SWALLOWTAIL     | 12H         | 3002550010     | NMNM084729   | NMNM084729   | MARATHON OIL |
| WHISTLE PIG 1   | 1H          | 3001549799     | NMNM016104   | NMNM140543   | MARATHON OIL |
| CHICKEN FRY 15- | 12H         | 3001549699     | NMNM0556542  | NMNM0556542  | MARATHON OIL |
| CHAOS WC        | 702H        | 3001553732     | NMNM19842B   | NMNM19842B   | MARATHON OIL |
| DECIMUS 5 WXY   | 2H          | 3001554120     | NMNM29221    | NMNM29221    | MARATHON OIL |
| GOLIATH 24 FED  | 602H        | 3002552537     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 TB    | 1H          | 3002549338     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 24       | 10H         | 3002549206     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 24       | 11H         | 3002549207     | NMNM65441    | NMNM65441    | MARATHON OIL |
| CAVE LION       | 14H         | 3002545423     | NMNM13647    | NMNM13647    | MARATHON OIL |
| ATREIDES 8 WXY  | 4H          | 3001549702     | NMNM112268   | NMNM112268   | MARATHON OIL |
| FRIZZLE FRY 22  | 8H          | 3002549556     | NMNM077058   | NMNM077058   | MARATHON OIL |
| NED PEPPER 18   | 2H          | 3002547478     | NMNM123528   | NMNM123528   | MARATHON OIL |
| SWALLOWTAIL     | 4H          | 3002550007     | NMNM084729   | NMNM084729   | MARATHON OIL |
| BING CLAWSBY    | 5H          | 3002551387     | NMNM84728    | NMNM84728    | MARATHON OIL |
| GOLIATH 24 FED  | 701H        | 3002552538     | NMNM65441    | NMNM65441    | MARATHON OIL |
| KYLE FEDERAL    | 1H          | 3001548368     | NMNM13074    | NMNM13074    | MARATHON OIL |
| MADERA 25 FED   | 11H         | 3002549341     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 19 WA    | 9H          | 3002549201     | NMNM93223    | NMNM93223    | MARATHON OIL |
| MADERA 19 FED   | 10H         | 3002549203     | NMNM93223    | NMNM93223    | MARATHON OIL |

| Well Name      | Well Number | US Well Number | Lease Number | Case Number  | Operator     |
|----------------|-------------|----------------|--------------|--------------|--------------|
| MADERA 19 FED  | 12H         | 3002549204     | NMNM93223    | NMNM93223    | MARATHON OIL |
| FRIZZLE FRY 22 | 29H         | 3002549554     | NMNM077058   | NMNM077058   | MARATHON OIL |
| NED PEPPER 18  | 1H          | 3002547476     | NMNM123528   | NMNM123528   | MARATHON OIL |
| NED PEPPER 18  | 9H          | 3002547479     | NMNM123528   | NMNM123528   | MARATHON OIL |
| CROSSBOW       | 4H          | 3001549856     | NMNM0540701A | NMNM0540701A | MARATHON OIL |
| SWALLOWTAIL    | 5H          | 3002550005     | NMNM084729   | NMNM084729   | MARATHON OIL |
| WHISTLE PIG 1  | 7H          | 3001549800     | NMNM016104   | NMNM140543   | MARATHON OIL |
| GOLIATH 24 FED | 302H        | 3002552751     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 24      | 2H          | 3002549621     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 24      | 6H          | 3002550004     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 19 FB   | 8H          | 3002549200     | NMNM93223    | NMNM93223    | MARATHON OIL |
| MAZER          | 14H         | 3001553407     | NMNM138836   | NMNM138836   | MARATHON OIL |
| ROY BATTY 33   | 1H          | 3001549132     | NMNM115411   | NMNM115411   | MARATHON OIL |
| BLUE STEEL 21  | 10H         | 3001553941     | NMNM86024    | NMNM86024    | MARATHON OIL |
| MADERA 24 WB   | 20H         | 3002549612     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 24 WXY  | 21H         | 3002549614     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 WA   | 18H         | 3002549616     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 WB   | 20H         | 3002549618     | NMNM65441    | NMNM65441    | MARATHON OIL |
| MADERA 25 WXY  | 21H         | 3002549620     | NMNM65441    | NMNM65441    | MARATHON OIL |

**Notice of Intent****Sundry ID:** 2788436**Type of Submission:** Notice of Intent**Type of Action:** Variance**Date Sundry Submitted:** 05/06/2024**Time Sundry Submitted:** 07:30**Date proposed operation will begin:** 05/06/2024

**Procedure Description:** Marathon Oil Permian respectfully request a variance for BOP Break Testing. Please apply to all wells approved but not yet drilled. Please see the attached procedure.

**NOI Attachments****Procedure Description**

BOP\_Break\_Test\_Variance\_\_\_Final\_20240506071426.pdf

**Operator**

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

**Operator Electronic Signature:** TERRI STATHEM**Signed on:** MAY 06, 2024 07:15 AM**Name:** MARATHON OIL PERMIAN LLC**Title:** Regulatory Compliance Manager**Street Address:** 990 TOWN & COUNTRY BLVD**City:** HOUSTON**State:** TX**Phone:** (713) 296-2113**Email address:** TSTATHEM@MARATHONOIL.COM**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Email address:****BLM Point of Contact****BLM POC Name:** KEITH P IMMATTY**BLM POC Title:** ENGINEER**BLM POC Phone:** 5759884722**BLM POC Email Address:** KIMMATTY@BLM.GOV**Disposition:** Approved**Disposition Date:** 05/06/2024**Signature:** Keith Immatty

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

|                                      |          |
|--------------------------------------|----------|
| 5. Lease Serial No.                  | MULTIPLE |
| 6. If Indian, Allottee or Tribe Name | MULTIPLE |

|                                                                                                    |  |                                             |
|----------------------------------------------------------------------------------------------------|--|---------------------------------------------|
| SUBMIT IN TRIPLICATE - Other instructions on page 2                                                |  | 7. If Unit of CA/Agreement, Name and/or No. |
| 1. Type of Well                                                                                    |  | MULTIPLE                                    |
| <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 8. Well Name and No.                        |
| 2. Name of Operator                                                                                |  | MULTIPLE                                    |
| MARATHON OIL PERMIAN LLC                                                                           |  | 9. API Well No.                             |
| 3a. Address 990 TOWN & COUNTRY BLVD, HOUSTON, TX                                                   |  | MULTIPLE                                    |
| 3b. Phone No. (include area code)                                                                  |  | 10. Field and Pool or Exploratory Area      |
| (713) 296-2113                                                                                     |  | MULTIPLE                                    |
| 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)                               |  | 11. Country or Parish, State                |
| MULTIPLE                                                                                           |  | MULTIPLE                                    |

|                                                                                      |                                               |                                               |                                                    |                                           |  |
|--------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------|--|
| 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA |                                               |                                               |                                                    |                                           |  |
| TYPE OF SUBMISSION                                                                   |                                               | TYPE OF ACTION                                |                                                    |                                           |  |
| <input checked="" type="checkbox"/> Notice of Intent                                 | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |  |
| <input type="checkbox"/> Subsequent Report                                           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |  |
| <input type="checkbox"/> Final Abandonment Notice                                    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |  |
|                                                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |                                           |  |
|                                                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |                                           |  |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Marathon Oil Permian respectfully request a variance for BOP Break Testing. Please apply to all wells approved but not yet drilled.  
Please see the attached procedure.

|                                                                                   |                               |            |
|-----------------------------------------------------------------------------------|-------------------------------|------------|
| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) | Regulatory Compliance Manager |            |
| TERRI STATHEM / Ph: (713) 296-2113                                                | Title                         |            |
| (Electronic Submission)                                                           | Date                          | 05/06/2024 |

|                                                                                                                                                                                                                                                           |          |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| THE SPACE FOR FEDERAL OR STATE OFFICE USE                                                                                                                                                                                                                 |          |            |
| Approved by                                                                                                                                                                                                                                               | ENGINEER | 05/06/2024 |
| KEITH P IMMATTY / Ph: (575) 988-4722 / Approved                                                                                                                                                                                                           | Title    | Date       |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office   | CARLSBAD   |

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 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 U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240



## Additional Information

### Batch Well Data

MADERA 24 FEDERAL 26 34 24 TB 1H, US Well Number: 3002549205, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 25 TB Fed Com 1H, US Well Number: 3002549338, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

KYLE FEDERAL 24 28 34 TB 1H, US Well Number: 3001548368, Case Number: NMNM13074, Lease Number: NMNM13074,  
Operator:MARATHON OIL PERMIAN LLC

KYLE FEDERAL 24 28 34 WD 6H, US Well Number: 3001553615, Case Number: NMNM013074, Lease Number: NMNM013074,  
Operator:MARATHON OIL PERMIAN LLC

KYLE FEDERAL 24 28 34 WXY 7H, US Well Number: 3001548305, Case Number: NMNM13074, Lease Number: NMNM13074,  
Operator:MARATHON OIL PERMIAN LLC

KYLE FEDERAL 24 28 34 WXY 8H, US Well Number: 3001548306, Case Number: NMNM13074, Lease Number: NMNM13074,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 24 FEDERAL 26 34 24 TB 10H, US Well Number: 3002549206, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 24 FEDERAL 26 34 24 WA 2H, US Well Number: 3002549621, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 24 FEDERAL 26 34 24 WA 11H, US Well Number: 3002549207, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 24 FEDERAL 26 34 24 WB 6H, US Well Number: 3002550004, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 24 FEDERAL 26 34 24 WXY 7H, US Well Number: 3002549208, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 25 FED COM 26 34 25 TB 10H, US Well Number: 3002549339, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 25 WA FED COM 2H, US Well Number: 3002549340, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 25 FED COM 26 34 25 WA 11H, US Well Number: 3002549341, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 FED COM 26 34 25 WB 6H, US Well Number: 3002549342, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 25 FED COM 26 34 25 WXY 7H, US Well Number: 3002549343, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 19 FB FED COM 8H, US Well Number: 3002549200, Case Number: NMNM93223, Lease Number: NMNM93223,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 19 WA FED COM 9H, US Well Number: 3002549201, Case Number: NMNM93223, Lease Number: NMNM93223,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 19 FED COM 26 35 19 WC 10H, US Well Number: 3002549203, Case Number: NMNM93223, Lease Number: NMNM93223,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 19 FED COM 26 35 19 WB 11H, US Well Number: 3002549202, Case Number: NMNM93223, Lease Number: NMNM93223,  
Operator:MARATHON OIL PERMIAN LLC

MADERA 19 FED COM 26 35 19 WXY 12H, US Well Number: 3002549204, Case Number: NMNM93223, Lease Number: NMNM93223,  
Operator:MARATHON OIL PERMIAN LLC

CAVE LION FEDERAL 26 35 5 TB 14H, US Well Number: 3002545423, Case Number: NMNM13647, Lease Number: NMNM13647,  
Operator:MARATHON OIL PERMIAN LLC

CAVE LION FEDERAL 26 35 5 WXY 18H, US Well Number: 3002545425, Case Number: NMNM13647, Lease Number: NMNM13647,  
Operator:MARATHON OIL PERMIAN LLC

KYLE 34 WD FEDERAL COM 4H, US Well Number: 3001548729, Case Number: NMNM13074, Lease Number: NMNM13074,  
Operator:MARATHON OIL PERMIAN LLC

KYLE 34 WD FEDERAL COM 22H, US Well Number: 3001548730, Case Number: NMNM13074, Lease Number: NMNM13074,  
Operator:MARATHON OIL PERMIAN LLC

CHICKEN FRY 22 WD FC 16H, US Well Number: 3001545739, Case Number: NMNM0556542, Lease Number: NMNM0556542,  
Operator:MARATHON OIL PERMIAN LLC

CHILI PARLOR FED 22 33 17 TB 7H, US Well Number: 3002546360, Case Number: NMNM114984, Lease Number: NMNM114984,  
Operator:MARATHON OIL PERMIAN LLC

CHILI PARLOR FED 22 33 17 TB 9H, US Well Number: 3002546361, Case Number: NMNM114984, Lease Number: NMNM114984,  
Operator:MARATHON OIL PERMIAN LLC



MAZER RACKHAM 20 WA FED COM 9H, US Well Number: 3001553406, Case Number: NMNM138836, Lease Number: NMNM138836,  
Operator:MARATHON OIL PERMIAN LLC

MAZER RACKHAM 20 WA FED COM 14H, US Well Number: 3001553407, Case Number: NMNM138836, Lease Number: NMNM138836,  
Operator:MARATHON OIL PERMIAN LLC

MAZER RACKHAM 20 WB FED COM 13H, US Well Number: 3001553408, Case Number: NMNM138836, Lease Number: NMNM138836,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WA FEDERAL 16H, US Well Number: 3001553934, Case Number: NMNM135099, Lease Number: NMNM135099,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WA FEDERAL 22H, US Well Number: 3001553910, Case Number: NMNM138837, Lease Number: NMNM138837,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WA FEDERAL 25H, US Well Number: 3001553911, Case Number: NMNM138837, Lease Number: NMNM138837,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WA FEDERAL 30H, US Well Number: 3001553912, Case Number: NMNM138837, Lease Number: NMNM138837,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WB FEDERAL 21H, US Well Number: 3001553913, Case Number: NMNM135099, Lease Number: NMNM135099,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WB FEDERAL 24H, US Well Number: 3001553914, Case Number: NMNM138837, Lease Number: NMNM138837,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WB FEDERAL 29H, US Well Number: 3001553931, Case Number: NMNM138837, Lease Number: NMNM138837,  
Operator:MARATHON OIL PERMIAN LLC

HEGEMON 21 WD FEDERAL 18H, US Well Number: 3001553935, Case Number: NMNM135099, Lease Number: NMNM135099,  
Operator:MARATHON OIL PERMIAN LLC

FREMEN 7 WXY FED COM 3H, US Well Number: 3001548712, Case Number: NMLC064200, Lease Number: NMLC064200,  
Operator:MARATHON OIL PERMIAN LLC

FREMEN 7 WXY FED COM 5H, US Well Number: 3001548711, Case Number: NMLC064200, Lease Number: NMLC064200,  
Operator:MARATHON OIL PERMIAN LLC

ROY BATTY 33 WA FED COM 3H, US Well Number: 3001549131, Case Number: NMNM115411, Lease Number: NMNM115411,  
Operator:MARATHON OIL PERMIAN LLC

ATREIDES 8 WXY FED COM 4H, US Well Number: 3001549702, Case Number: NMNM112268, Lease Number: NMNM112268,  
Operator:MARATHON OIL PERMIAN LLC

ATREIDES 8 WXY FED COM 5H, US Well Number: 3001549703, Case Number: NMNM112268, Lease Number: NMNM112268,  
Operator:MARATHON OIL PERMIAN LLC

ROY BATTY 33 WXY FED COM 1H, US Well Number: 3001549132, Case Number: NMNM115411, Lease Number: NMNM115411,  
Operator:MARATHON OIL PERMIAN LLC

ROY BATTY 33 WXY FED COM 5H, US Well Number: 3001549133, Case Number: NMNM115411, Lease Number: NMNM115411,  
Operator:MARATHON OIL PERMIAN LLC

FRIZZLE FRY 22 FB FED COM 29H, US Well Number: 3002549554, Case Number: NMNM077058, Lease Number: NMNM077058,  
Operator:MARATHON OIL PERMIAN LLC

FRIZZLE FRY 22 SB FED COM 8H, US Well Number: 3002549556, Case Number: NMNM077058, Lease Number: NMNM077058,  
Operator:MARATHON OIL PERMIAN LLC

NED PEPPER 18 TB FEDERAL COM 1H, US Well Number: 3002547476, Case Number: NMNM123528, Lease Number: NMNM123528,  
Operator:MARATHON OIL PERMIAN LLC

NED PEPPER 18 TB FEDERAL COM 4H, US Well Number: 3002547477, Case Number: NMNM123528, Lease Number: NMNM123528,  
Operator:MARATHON OIL PERMIAN LLC

NED PEPPER 18 WA FEDERAL COM 2H, US Well Number: 3002547478, Case Number: NMNM123528, Lease Number: NMNM123528,  
Operator:MARATHON OIL PERMIAN LLC

NED PEPPER 18 WA FEDERAL COM 9H, US Well Number: 3002547479, Case Number: NMNM123528, Lease Number: NMNM123528,  
Operator:MARATHON OIL PERMIAN LLC

NED PEPPER 18 WXY FEDERAL COM 6H, US Well Number: 3002547480, Case Number: NMNM123528, Lease Number: NMNM123528,  
Operator:MARATHON OIL PERMIAN LLC

BLUE STEEL 21 WD FEE 3H, US Well Number: 3001553774, Case Number: NMNM86024, Lease Number: NMNM86024,  
Operator:MARATHON OIL PERMIAN LLC

BLUE STEEL 21 WD FEE 5H, US Well Number: 3001553775, Case Number: NMNM86024, Lease Number: NMNM86024,  
Operator:MARATHON OIL PERMIAN LLC

BLUE STEEL 21 WD FEE 10H, US Well Number: 3001553941, Case Number: NMNM86024, Lease Number: NMNM86024,  
Operator:MARATHON OIL PERMIAN LLC

BLUE STEEL 21 WD FEE 23H, US Well Number: 3001553942, Case Number: NMNM86024, Lease Number: NMNM86024,

Operator:MARATHON OIL PERMIAN LLC

BLUE STEEL 21 WD FED COM 16H, US Well Number: 3001553939, Case Number: NMNM119272, Lease Number: NMNM119272,

Operator:MARATHON OIL PERMIAN LLC

BLUE STEEL 21 WD FED COM 17H, US Well Number: 3001553940, Case Number: NMNM119272, Lease Number: NMNM119272,

Operator:MARATHON OIL PERMIAN LLC

MADERA 24 WB FED 13H, US Well Number: 3002549611, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 24 WXY FED 14H, US Well Number: 3002549613, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 24 TB FED 17H, US Well Number: 3002550417, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 24 WA FED 18H, US Well Number: 3002550418, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 24 WB FED 20H, US Well Number: 3002549612, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 24 WXY FED 21H, US Well Number: 3002549614, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 WB FEDERAL COM 13H, US Well Number: 3002549617, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 WXY FEDERAL COM 14H, US Well Number: 3002549619, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 TB FEDERAL COM 17H, US Well Number: 3002549615, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 WA FEDERAL COM 18H, US Well Number: 3002549616, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 WB FEDERAL COM 20H, US Well Number: 3002549618, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

MADERA 25 WXY FEDERAL COM 21H, US Well Number: 3002549620, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

COLOSSUS 18-19 WA FED COM 4H, US Well Number: 3002549532, Case Number: NMNM104706, Lease Number: NMNM104706,  
Operator:MARATHON OIL PERMIAN LLC

CROSSBOW FEDERAL 23 27 8 WA 4H, US Well Number: 3001549856, Case Number: NMNM0540701A, Lease Number: NMNM0540701A,  
Operator:MARATHON OIL PERMIAN LLC

CROSSBOW FEDERAL 23 27 8 WA 10H, US Well Number: 3001549858, Case Number: NMNM0540701A, Lease Number: NMNM0540701A,  
Operator:MARATHON OIL PERMIAN LLC

TROJAN HORSE 35 WB FED COM 3H, US Well Number: 3001549705, Case Number: NMNM19601, Lease Number: NMNM19601,  
Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON WC FED COM 701H, US Well Number: 3002550466, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON WC FED COM 702H, US Well Number: 3002550336, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

DOLLY PURRTON WC FED COM 703H, US Well Number: 3002550467, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

SWALLOWTAIL 14-11 WA FED COM 4H, US Well Number: 3002550007, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

SWALLOWTAIL 14-11 TB FED COM 5H, US Well Number: 3002550005, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

SWALLOWTAIL 14-11 WA FED COM 6H, US Well Number: 3002550008, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

SWALLOWTAIL 14-11 WA FED COM 8H, US Well Number: 3002550009, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

SWALLOWTAIL 14-11 TB FED COM 11H, US Well Number: 3002550468, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

SWALLOWTAIL 14-11 WA FED COM 12H, US Well Number: 3002550010, Case Number: NMNM084729, Lease Number: NMNM084729,  
Operator:MARATHON OIL PERMIAN LLC

WHISTLE PIG 1 WC FED COM 1H, US Well Number: 3001549799, Case Number: NMNM140543, Lease Number: NMNM016104,  
Operator:MARATHON OIL PERMIAN LLC

WHISTLE PIG 1 WC FED COM 7H, US Well Number: 3001549800, Case Number: NMNM140543, Lease Number: NMNM016104,  
Operator:MARATHON OIL PERMIAN LLC

WHISTLE PIG 1 SB FED COM 201H, US Well Number: 3001549798, Case Number: NMNM016104, Lease Number: NMNM016104,  
Operator:MARATHON OIL PERMIAN LLC

CHICKEN FRY 15-22 WXY FED COM 12H, US Well Number: 3001549699, Case Number: NMNM0556542, Lease Number: NMNM0556542,  
Operator:MARATHON OIL PERMIAN LLC

CHICKEN FRY 15-22 WD FED COM 16H, US Well Number: 3001549700, Case Number: NMNM0556542, Lease Number: NMNM0556542,  
Operator:MARATHON OIL PERMIAN LLC

CHICKEN FRY 15-22 WD FED COM 17H, US Well Number: 3001549701, Case Number: NMNM0556542, Lease Number: NMNM0556542,  
Operator:MARATHON OIL PERMIAN LLC

CHAOS WC FEDERAL COM 702H, US Well Number: 3001553732, Case Number: NMNM19842B, Lease Number: NMNM19842B,  
Operator:MARATHON OIL PERMIAN LLC

CHAOS WC FEDERAL COM 701H, US Well Number: 3001553642, Case Number: NMNM19842B, Lease Number: NMNM19842B,  
Operator:MARATHON OIL PERMIAN LLC

MAZER NORTH 17 WA FED COM 1H, US Well Number: 3001554017, Case Number: NMNM114972, Lease Number: NMNM114972,  
Operator:MARATHON OIL PERMIAN LLC

MAZER NORTH 17 WA FED COM 2H, US Well Number: 3001554008, Case Number: NMNM114972, Lease Number: NMNM114972,  
Operator:MARATHON OIL PERMIAN LLC

BING CLAWSBY 15-10 WA FEDERAL COM 6H, US Well Number: 3002551388, Case Number: NMNM84728, Lease Number: NMNM84728,  
Operator:MARATHON OIL PERMIAN LLC

DECIMUS 5 WXY FED COM 2H, US Well Number: 3001554120, Case Number: NMNM29221, Lease Number: NMNM29221,  
Operator:MARATHON OIL PERMIAN LLC

BING CLAWSBY 15-10 WA FEDERAL COM 4H, US Well Number: 3002551268, Case Number: NMNM84728, Lease Number: NMNM84728,  
Operator:MARATHON OIL PERMIAN LLC

BING CLAWSBY 15-10 TB FEDERAL COM 5H, US Well Number: 3002551387, Case Number: NMNM84728, Lease Number: NMNM84728,  
Operator:MARATHON OIL PERMIAN LLC

GOLIATH 24 FED COM 301H, US Well Number: 3002552750, Case Number: NMNM65441, Lease Number: NMNM65441,  
Operator:MARATHON OIL PERMIAN LLC

GOLIATH 24 FED COM 302H, US Well Number: 3002552751, Case Number: NMNM65441, Lease Number: NMNM65441,



Operator:MARATHON OIL PERMIAN LLC

GOLIATH 24 FED COM 602H, US Well Number: 3002552537, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

GOLIATH 24 FED COM 601H, US Well Number: 3002552752, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

GOLIATH 24 FED COM 702H, US Well Number: 3002552753, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

GOLIATH 24 FED COM 701H, US Well Number: 3002552538, Case Number: NMNM65441, Lease Number: NMNM65441,

Operator:MARATHON OIL PERMIAN LLC

CONFIDENTIAL



# BOP Break Test Variance Request

## Executive Summary

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- Request for a Variance allowing break testing of the blowout preventer equipment. Marathon requests to only test broken pressure seals on the BOP and function test BOP when skidding between wells on a pad
- Currently CFR Title 43 Part 3170 states that a test shall be performed “whenever any seal subject to test pressure is broken” and BLM interprets this as requiring a full BOP test
- API 53 states that for pad drilling operations, ONLY the connections that have a pressure seal broken are required to be tested
- Marathon feels break testing meets and or exceeds CFR Title 43 and API 53 required standards and is good drilling practice. It also may reduce wear and tear on BOP components.

# BOP Break Test Variance Request

## Background

- API Standard 53, “Well Control Equipment Systems for Drilling Wells 5th addition, Dec 2018, Annex C Table C.4) states “ For pad drilling operations, moving from one wellhead to another within the 21days, pressure testing is required for pressure – containing and pressure controlling connection when the integrity of a pressure seal is broken.
- Marathon’s rigs utilize quick connects to allow the release of the BOP from wellhead to wellhead without breaking any BOP stack components. This technology allows for break testing
- BLM has previously approved this variance of break testing for other operators in the area

Table C.4—Initial Pressure Testing, Surface BOP Stacks

| Component to be Pressure Tested                                                                                                                                                                                                                                                                                                                      | Pressure Test—Low Pressure <sup>ac</sup> psig (MPa) | Pressure Test—High Pressure <sup>ac</sup>                                  |                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                      |                                                     | Change Out of Component, Elastomer, or Ring Gasket                         | No Change Out of Component, Elastomer, or Ring Gasket |
| Annular preventer <sup>b</sup>                                                                                                                                                                                                                                                                                                                       | 250 to 350 (1.72 to 2.41)                           | RWP of annular preventer                                                   | MASP or 70% annular RWP, whichever is lower.          |
| Fixed pipe, variable bore, blind, and BSR preventers <sup>bd</sup>                                                                                                                                                                                                                                                                                   | 250 to 350 (1.72 to 2.41)                           | RWP of ram preventer or wellhead system, whichever is lower                | ITP                                                   |
| Choke and kill line and BOP side outlet valves below ram preventers (both sides)                                                                                                                                                                                                                                                                     | 250 to 350 (1.72 to 2.41)                           | RWP of side outlet valve or wellhead system, whichever is lower            | ITP                                                   |
| Choke manifold—upstream of chokes <sup>e</sup>                                                                                                                                                                                                                                                                                                       | 250 to 350 (1.72 to 2.41)                           | RWP of ram preventers or wellhead system, whichever is lower               | ITP                                                   |
| Choke manifold—downstream of chokes <sup>e</sup>                                                                                                                                                                                                                                                                                                     | 250 to 350 (1.72 to 2.41)                           | RWP of valve(s), line(s), or MASP for the well program, whichever is lower |                                                       |
| Kelly, kelly valves, drill pipe safety valves, IBOPs                                                                                                                                                                                                                                                                                                 | 250 to 350 (1.72 to 2.41)                           | MASP for the well program                                                  |                                                       |
| <sup>a</sup> Pressure test evaluation periods shall be a minimum of five minutes.<br>No visible leaks.<br>The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.                                                                                                           |                                                     |                                                                            |                                                       |
| <sup>b</sup> Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.                                                                                                                                                                                                                    |                                                     |                                                                            |                                                       |
| <sup>c</sup> For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.                                                                                                         |                                                     |                                                                            |                                                       |
| <sup>d</sup> For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually. |                                                     |                                                                            |                                                       |
| <sup>e</sup> Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.                                                                                                                                                                                                                 |                                                     |                                                                            |                                                       |



# Procedures

## Procedural Steps

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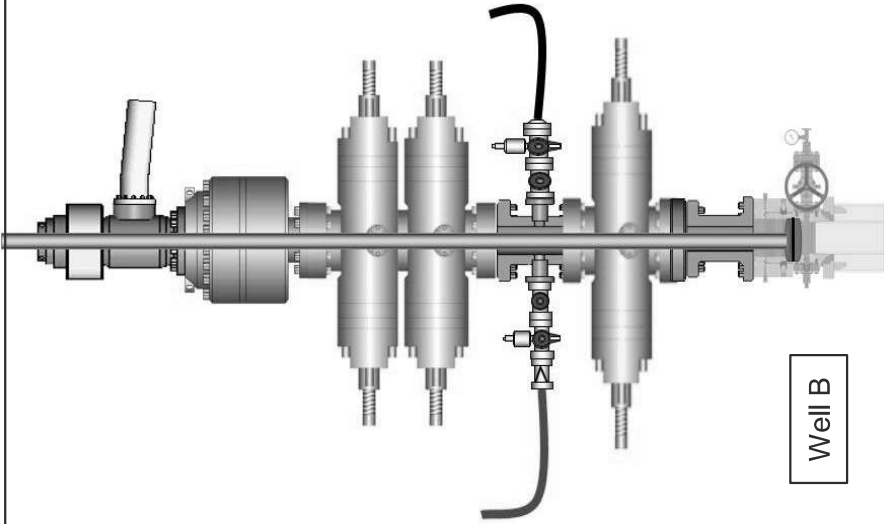
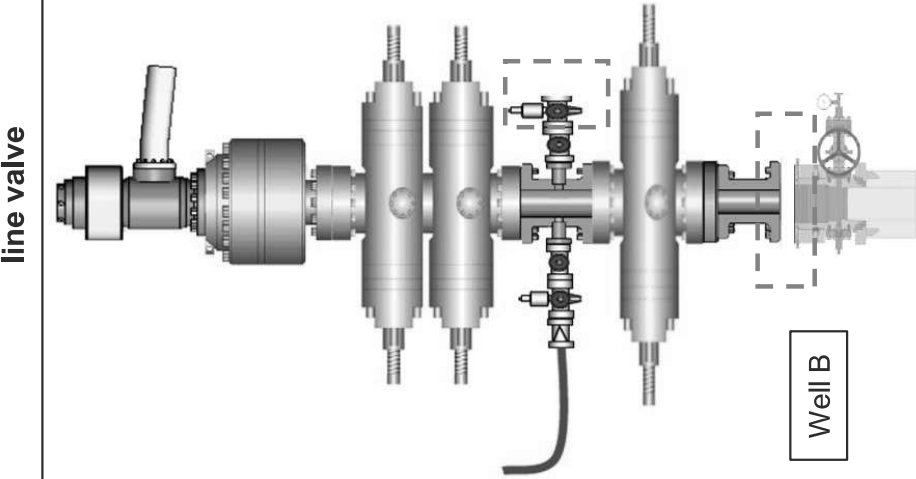
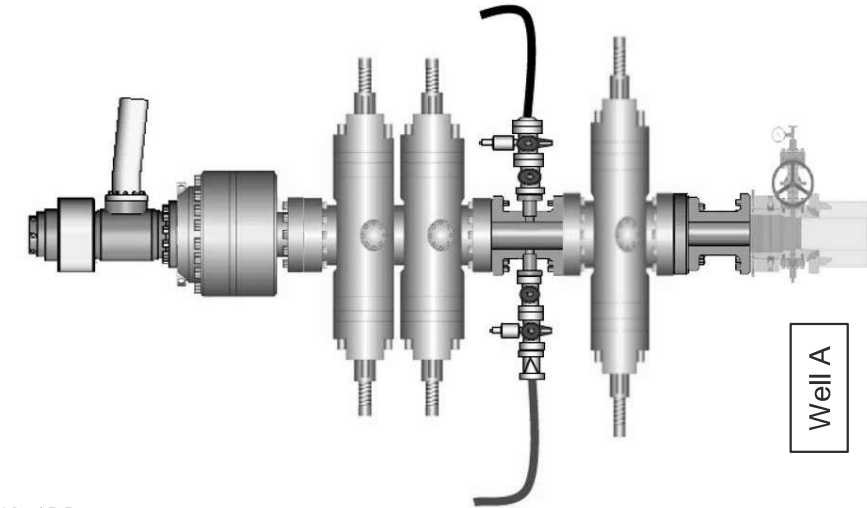
1. Marathon will use this document for break testing plan for New Mexico Delaware Basin.
2. Marathon will perform BOP break testing on well pads where multiple intermediate sections can be drilled and cased within the 21 day test window and will meet the following criteria:
  - a) A full BOP test will be conducted on the first well on the pad
  - b) The deepest intermediate well on the pad will be drilled first
  - c) A Full BOP test will be required prior to drilling any production hole
3. After completing the first full BOP test and drilling the intermediate section, two breaks will be performed on the BOP.
  - a) BOP quick connect and wellhead
  - b) HCV and Choke line connection
4. The BOP will be lifted from well A to well B
5. The two connections stated above will be reconnected
6. Test plug will be installed into wellhead utilizing drillpipe or test joint
7. Shell test will be performed against the upper pipe rams and testing the two breaks consisting of the following tests
  - a) 250psi low test and high test performed to 5,000 (well and sundry specific)
8. Function test will then be performed on the lower pipe rams, blind rams, and annular (performed each trip or every 7 days - whichever is more frequent)
9. This process will be repeated for other wells on the pad while being in the 21 day BOP test window

# Sequence Diagram

Well A: BOP installed on Well A

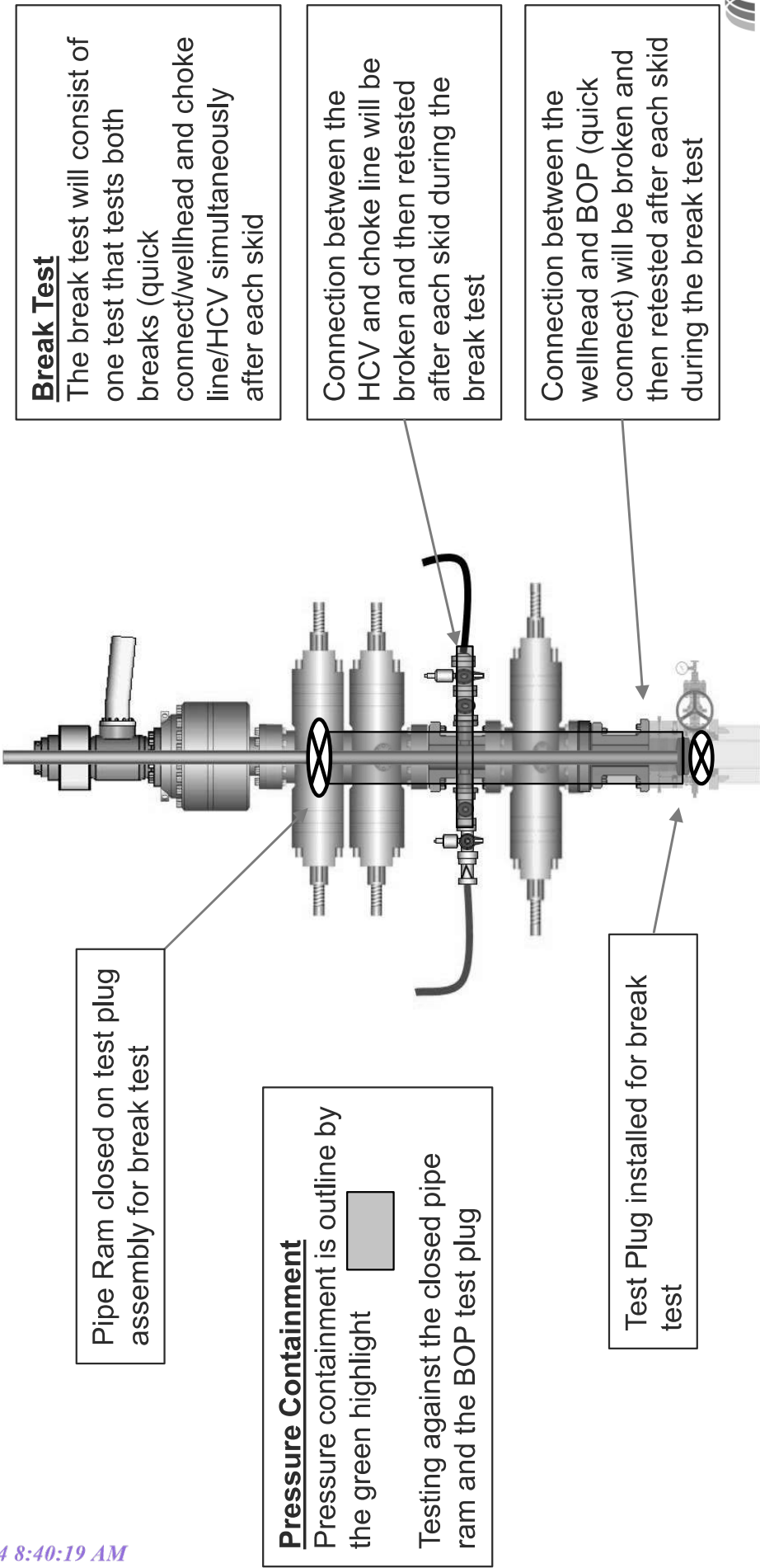
BOP picked up and moved from Well A to Well B.  
Disconnected at the **quick connect** and the **choke**  
line valve

Well B: Quick connect and choke line  
reconnected. Test plug installed.



# Procedures

## Diagram



# Summary

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- A variance is requested to only test the broken pressure seals on the BOP equipment when moving from wellhead to wellhead. This is in full compliance with API Standard 53
- Marathon will meet the following criteria when break testing:
  - Time of last BOP test was less than 21 days
  - A full BOP test was conducted on the first well on the pad
  - The first intermediate hole section on the pad will be the deepest intermediate hole section.
  - Break testing will not occur on intermediate sections of over 5000 psi MASP



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<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 377150

CONDITIONS

|                                                                                        |                                                      |
|----------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>MARATHON OIL PERMIAN LLC<br>990 Town & Country Blvd.<br>Houston, TX 77024 | OGRID:<br>372098                                     |
|                                                                                        | Action Number:<br>377150                             |
|                                                                                        | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition                | Condition Date |
|------------|--------------------------|----------------|
| pkautz     | ALL PREVIOUS COA's APPLY | 11/14/2024     |