

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

| | | |
|--|---|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM138865 |
| 2. Name of Operator MATADOR PRODUCTION COMPANY | | 6. If Indian, Allottee or Tribe Name |
| Contact: NICKY FITZGERALD E-Mail: nicky.fitzgerald@matadorresources.com | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3a. Address ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 | 3b. Phone No. (include area code) 972-371-5448 | 8. Well Name and No. BOROS FED COM 215H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T26S R31E NWNW 400FNL 514FWL 32.049026 N Lat, 103.772995 W Lon | | 9. API Well No. 30-015-46748-00-X1 |
| | | 10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS) |
| | | 11. County or Parish, State EDDY COUNTY, NM |

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 | Change to Original A |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | PD |

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 recompleat 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 performed 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 recompleat 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 determined that the site is ready for final inspection.

BLM Bond No. NMB001079
Surety Bond No. RLB0015172

Matador Resources respectfully requests the OPTION to amend the casing, cementing and mud program on the Boros Federal Com 215H (30-015-46748).

Please find supporting documentation attached and contact JD Harkrider at 972-629-2177 for any questions.

| | |
|--|-------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #506723 verified by the BLM Well Information System For MATADOR PRODUCTION COMPANY, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH HAM on 03/11/2020 (20DMH0116SE) | |
| Name (Printed/Typed) JD HARKRIDER | Title DRILLING ENGINEER |
| Signature (Electronic Submission) | Date 03/11/2020 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------------------------|-----------------|
| Approved By NDUNGU KAMAU | Title PETROLEUM ENGINEER | Date 03/12/2020 |
| 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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted 03/30/2020 - Kurt Simmons NMOCD

Revisions to Operator-Submitted EC Data for Sundry Notice #506723

| | Operator Submitted | BLM Revised (AFMSS) |
|----------------|---|--|
| Sundry Type: | APDCH NOI | APDCH NOI |
| Lease: | NMNM138865 | NMNM138865 |
| Agreement: | | |
| Operator: | MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240 Ph: 972-371-5448 | MATADOR PRODUCTION COMPANY ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 Ph: 972.371.5200 |
| Admin Contact: | NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448 | NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448 |
| Tech Contact: | JD HARKRIDER DRILLING ENGINEER E-Mail: jharkrider@matadorresources.com Ph: 972-629-2177 | JD HARKRIDER DRILLING ENGINEER E-Mail: jharkrider@matadorresources.com Ph: 972-629-2177 |
| Location: | | |
| State: | NM | NM |
| County: | EDDY | EDDY |
| Field/Pool: | PURPLE SAGE;WOLFCAMP(GAS) | PURPLE SAGE-WOLFCAMP (GAS) |
| Well/Facility: | BOROS FEDERAL COM 215H Sec 15 T26S R31E 400FNL 514FWL 32.049024 N Lat, 103.772997 W Lon | BOROS FED COM 215H Sec 15 T26S R31E NWNW 400FNL 514FWL 32.049026 N Lat, 103.772995 W Lon |

PECOS DISTRICT

DRILLING CONDITIONS OF APPROVAL

| | |
|------------------------------|------------------------------|
| OPERATOR'S NAME: | Matador Production Company |
| LEASE NO.: | NMNM138865 |
| WELL NAME & NO.: | 215H – BOROS FED COM |
| SURFACE HOLE FOOTAGE: | 400'/N & 514'/W |
| BOTTOM HOLE FOOTAGE: | 240'/S & 991'/W |
| LOCATION: | SECTION 15, T26S, R31E, NMPM |
| COUNTY: | EDDY |

COA

| | | | |
|----------------------|---|--|---------------------------------------|
| H2S | <input type="radio"/> Yes | <input checked="" type="radio"/> No | |
| Potash | <input checked="" type="radio"/> None | <input type="radio"/> Secretary | <input type="radio"/> R-111-P |
| Cave/Karst Potential | <input checked="" type="radio"/> Low | <input type="radio"/> Medium | <input type="radio"/> High |
| Cave/Karst Potential | <input type="radio"/> Critical | | |
| Variance | <input type="radio"/> None | <input checked="" type="radio"/> Flex Hose | <input type="radio"/> Other |
| Wellhead | <input type="radio"/> Conventional | <input type="radio"/> Multibowl | <input checked="" type="radio"/> Both |
| Other | <input type="checkbox"/> 4 String Area | <input type="checkbox"/> Capitan Reef | <input type="checkbox"/> WIPP |
| Other | <input type="checkbox"/> Fluid Filled | <input type="checkbox"/> Cement Squeeze | <input type="checkbox"/> Pilot Hole |
| Special Requirements | <input type="checkbox"/> Water Disposal | <input type="checkbox"/> COM | <input type="checkbox"/> Unit |

All Previous COAs Still Apply.

A. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1381 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that

string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

B. PRESSURE CONTROL

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

1. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

| String | Hole Size (in) | Set MD (ft) | Set TVD (ft) | Casing Size (in) | Wt. (lb/ft) | Grade | Joint | Collapse | Burst | Tension |
|-----------------------|----------------|--------------|--------------|------------------|-------------|-------|-------------------|----------|-------|---------|
| Surface | 17.5 | 0 - 1355 | 0 - 1355 | 13.375 | 54.5 | J-55 | BUTT | 1.125 | 1.125 | 1.8 |
| Intermediate 1 Top | 9.875 | 0 - 9500 | 0 - 9469 | 7.625 | 29.7 | P-110 | BUTT | 1.125 | 1.125 | 1.8 |
| Intermediate 1 Bottom | 9.875 or 8.75 | 9500 - 11110 | 9469 - 11079 | 7.625 | 29.7 | P-110 | BUTT or VAM HTFNR | 1.125 | 1.125 | 1.8 |
| Production | 6.75 | 0 - 21882 | 0 - 11712 | 5.5 | 20 | P-110 | Hunting TLWSC | 1.125 | 1.125 | 1.8 |

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review
- 9-7/8" hole depth may fluctuate, but 7-5/8" BUTT will only be run inside of 9-7/8" OH and Flush joint will be run in 8-3/4" OH. Cement volumes will be adjusted proportionally. Option to drill the entire Intermediate I hole section in 9-7/8" hole size.
- A variance is requested to wave the centralizer requirement for the 7-5/8" flush casing in the 8-3/4" hole and 5-1/2" SF/Flush casing in the 6-3/4" hole

| String | Type | Sacks | Yield | Weight | Percent Excess | Top of Cement (ft) | Class | Blend |
|---------------------------------|------|-------|-------|--------|----------------|--------------------|-------|--|
| Surface | Lead | 495 | 2.21 | 12.4 | 50% | 0 | C | Class C Cement + 1% Calcium Chloride + LCM |
| | Tail | 266 | 1.32 | 14.8 | 50% | 1055 | C | Class C Cement + LCM |
| Intermediate 1 DV ~4,150' | Lead | 274 | 5.57 | 10.2 | 30% | 0 | A/C | Stage 2: Tuned Light Blend |
| | Lead | 282 | 5.57 | 10.2 | 30% | 4150 | A/C | Stage 1: Tuned Light Blend |
| | Tail | 114 | 1.367 | 13.5 | 30% | 10110 | A/C | Stage 1: Class A/C + LCM |
| Intermediate 1 Alternate Design | Lead | 557 | 5.57 | 10.2 | 30% | 0 | A/C | Tuned Light Blend |
| | Tail | 114 | 1.367 | 13.5 | 30% | 10110 | A/C | Class A/C + LCM |
| | Tail | 1000 | 1.468 | 14.2 | 30% | 0 | C | Bradenhead Contingency: Class C Cement + LCM |
| Production | Tail | 744 | 1.37 | 13.5 | 10% | 200' Tie-Back | H | Fluid Loss + Dispersant + Retarder + LCM |

- If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

2. Mud Program

An electronic Pason mud monitoring system complying with Onshore Order 2 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

| Hole Section | Mud Type | Depth From | Depth To | Density (lb/gal) | Viscosity | Fluid Loss |
|----------------|-----------------------|------------------|-------------|------------------|-----------|------------|
| Surface | Spud Mud | 0 | Surf Shoe | 8.4 - 8.8 | 28-30 | NC |
| Intermediate 1 | Brine Diesel Emulsion | Surf Casing Shoe | 7-5/8" Shoe | 8.4 - 9.4 | 28-30 | NC |
| Production | OBM | 7-5/8' Shoe | Lateral TD | 11.0 - 12.5 | 30-35 | <20 |



TEC-LOCK WEDGE

5.500" 20 LB/FT (.361"Wall) with 5.875" SPECIAL CLEARANCE OD
BEN P110 CY

Pipe Body Data

| | | |
|-------------------------|---------|-------|
| Nominal OD: | 5.500 | in |
| Nominal Wall: | .361 | in |
| Nominal Weight: | 20.00 | lb/ft |
| Plain End Weight: | 19.83 | lb/ft |
| Material Grade: | P110 CY | |
| Mill/Specification: | BEN | |
| Yield Strength: | 125,000 | psi |
| Tensile Strength: | 135,000 | psi |
| Nominal ID: | 4.778 | in |
| API Drift Diameter: | 4.653 | in |
| Special Drift Diameter: | None | in |
| RBW: | 87.5 % | |
| Body Yield: | 729,000 | lbf |
| Burst: | 14,360 | psi |
| Collapse: | 13,010 | psi |

Connection Data

| | | |
|------------------------------|---------|-----------------|
| Standard OD: | 5.875 | in |
| Pin Bored ID: | 4.778 | in |
| Critical Section Area: | 5.656 | in ² |
| Tensile Efficiency: | 97 % | |
| Compressive Efficiency: | 100 % | |
| Longitudinal Yield Strength: | 707,000 | lbf |
| Compressive Limit: | 729,000 | lbf |
| Internal Pressure Rating: | 14,360 | psi |
| External Pressure Rating: | 13,010 | psi |
| Maximum Bend: | 101.2 | °/100ft |

Operational Data

| | | |
|------------------------|--------|--------|
| Minimum Makeup Torque: | 15,000 | ft*lbf |
| Optimum Makeup Torque: | 18,700 | ft*lbf |
| Maximum Makeup Torque: | 41,200 | ft*lbf |
| Minimum Yield: | 45,800 | ft*lbf |
| Makeup Loss: | 5.97 | in |

Notes Operational Torque is equivalent to the Maximum Make-Up Torque

