U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

# Sundry Print Report

04/05/2021

**Well Name:** VONI FED COM

**Well Location:** T26S / R31E / SEC 21 / NWNE / 32.034501 / -103.7810472

**County or Parish/State:** EDDY / NM

**Well Number:** 113H

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM138866

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 3001547072

**Well Status:** Approved Application for Permit to Drill

**Operator:** MATADOR PRODUCTION COMPANY

## Notice of Intent

**Type of Submission:** Notice of Intent

**Type of Action** Other

**Date Sundry Submitted:** 03/08/2021

**Time Sundry Submitted:** 02:12

**Date proposed operation will begin:** 06/01/2021

**Procedure Description:** BLM Bond No.: NMB001079 Surety Bond No.: RLB0015172 Matador requests the option to amend the casing and cement design to the attached plan. Add option to slim down 9-5/8” casing to 7-5/8” casing and deepen. Please see the supporting documentation attached and contact Blake Hermes at 972-371-5485 or bhermes@matadorresources.com for any questions. Matador also requests to move the SHL of the Voni Fed Com 113H well from 350' FNL and 1976' FEL of Sec. 21-26S-31E to 350' FNL and 2056' FEL of Sec. 21-26S-31E . Please see attached C102.

## Surface Disturbance

**Is any additional surface disturbance proposed?:** No

## NOI Attachments

**Procedure Description**

LO_VONI_FED_COM_113H_REV4_S_20210308140233.pdf

Voni_Fed_Com_113H_Drill_Plan_20210308140203.pdf

Voni_Fed_Com_113H_Casing_Table_Spec_20210308140203.pdf

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## Conditions of Approval

**Additional Reviews**

VONI_FED_COM_113H_SUNDRY___Drilling_Calculations_20210317114902.pdf

VONI_FED_COM_113H_SUNDRY___COA_20210317114850.pdf

## Operator Certification

*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 submission of Form 3160-5 or a Sundry Notice.*

**Operator Electronic Signature:** FITZGERALD

**Signed on:** MAR 08, 2021 01:57 PM

**Name:** MATADOR PRODUCTION COMPANY

**Title:** Regulatory

**Street Address:** 5400 LBJ FREEWAY STE 1500

**City:** DALLAS **State:** TX

**Phone:** (972) 371-5448

**Email address:** nicky.fitzgerald@matadorresources.com

## Field Representative

**Representative Name:**

**Street Address:**

**City:** **State:** **Zip:**

**Phone:**

**Email address:**

## BLM Point of Contact

**BLM POC Name:** CHRISTOPHER WALLS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752342234

**BLM POC Email Address:** cwalls@blm.gov

**Disposition:** Approved

**Disposition Date:** 04/05/2021

**Signature:** Chris Walls

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

**FORM C-102**
**Revised August 1, 2011**
**Submit one copy to appropriate District Office**

☐ **AMENDED REPORT**

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1]API Number | [2]Pool Code | [3]Pool Name |
|---|---|---|
| 30-015-47072 | 97860 | JENNINGS; BONE SPRING, WEST |

| [4]Property Code | [5]Property Name | [6]Well Number |
|---|---|---|
| 328098 | VONI FED COM | 113H |

| [7]OGRID No. | [8]Operator Name | [9]Elevation |
|---|---|---|
| 228937 | MATADOR PRODUCTION COMPANY | 3192' |

## [10]Surface Location

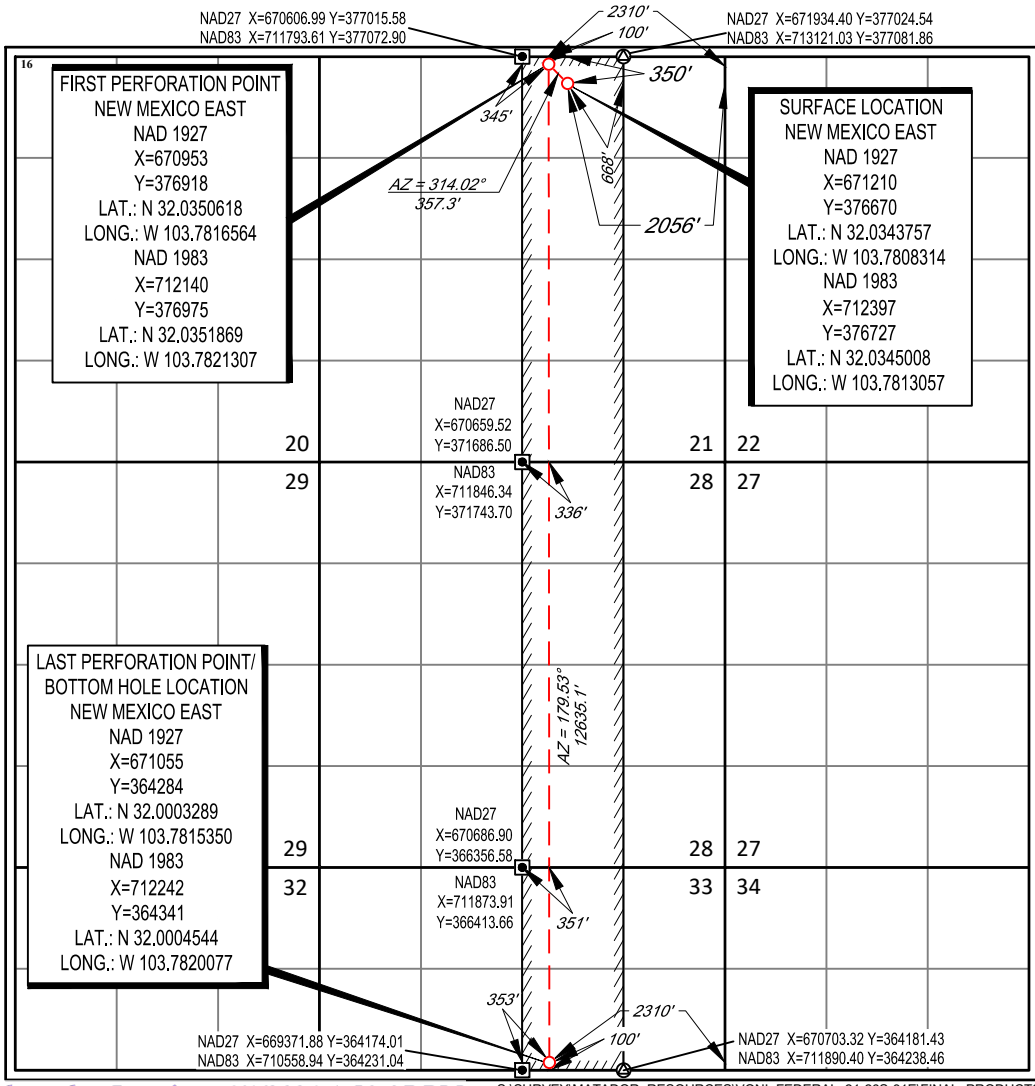
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| B | 21 | 26-S | 31-E | – | 350' | NORTH | 2056' | EAST | EDDY |

## [11]Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 33 | 26-S | 31-E | – | 100' | SOUTH | 2310' | WEST | EDDY |

| [12]Dedicated Acres | [13]Joint or Infill | [14]Consolidation Code | [15]Order No. |
|---|---|---|---|
| 385.27 | | | |

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.




## [17]OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Nicky Fitzgerald 03/08/2021
Signature Date

Nicky Fitzgerald
Printed Name

nicky.fitzgerald@matadorresources.com
E-mail Address

## [18]SURVEYOR CERTIFICATION

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.*

02/05/2020
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. BAEZA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR

Certificate Number



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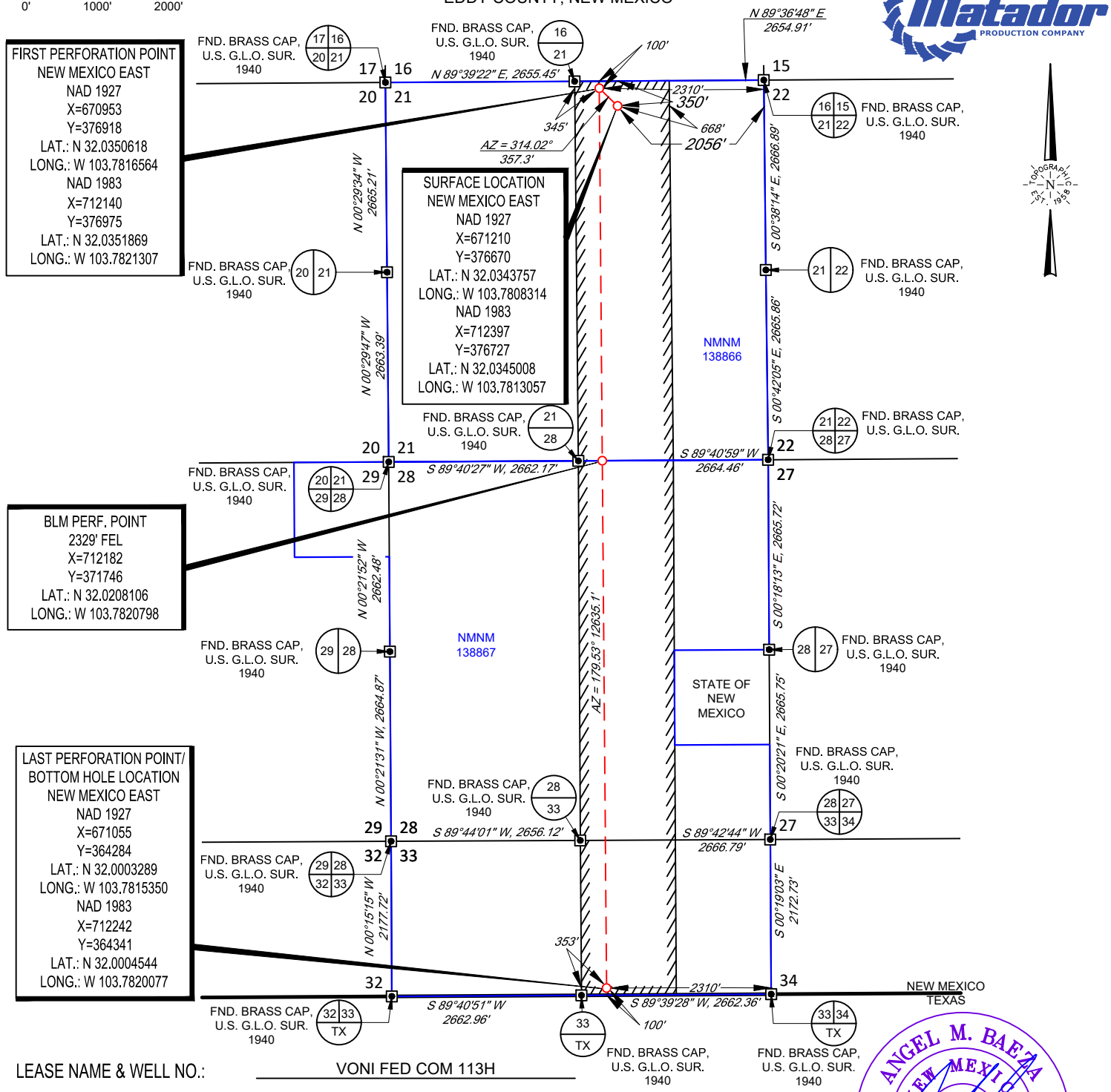
SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 21, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

Matador PRODUCTION COMPANY




LEASE NAME & WELL NO.: VONI FED COM 113H

SECTION 21 TWP 26-S RGE 31-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 350' FNL & 2056' FEL

DISTANCE & DIRECTION

FROM INT. OF NM128. & J-1/ORLA RD., GO SOUTH ON J-1/ORLA RD. ±10.5 MILES, THENCE WEST (RIGHT) ON PIPELINE RD ±5.2 MILES, THENCE SOUTH (LEFT) ON PROPOSED RD. ±1.0 MILE, THENCE WEST (RIGHT) ON PROPOSED RD. ±1.8 MILES, THENCE WEST (RIGHT) ON PROPOSED RD. ±1209 FEET, TO A POINT ±348 FEET NORTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

February 23, 2021

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
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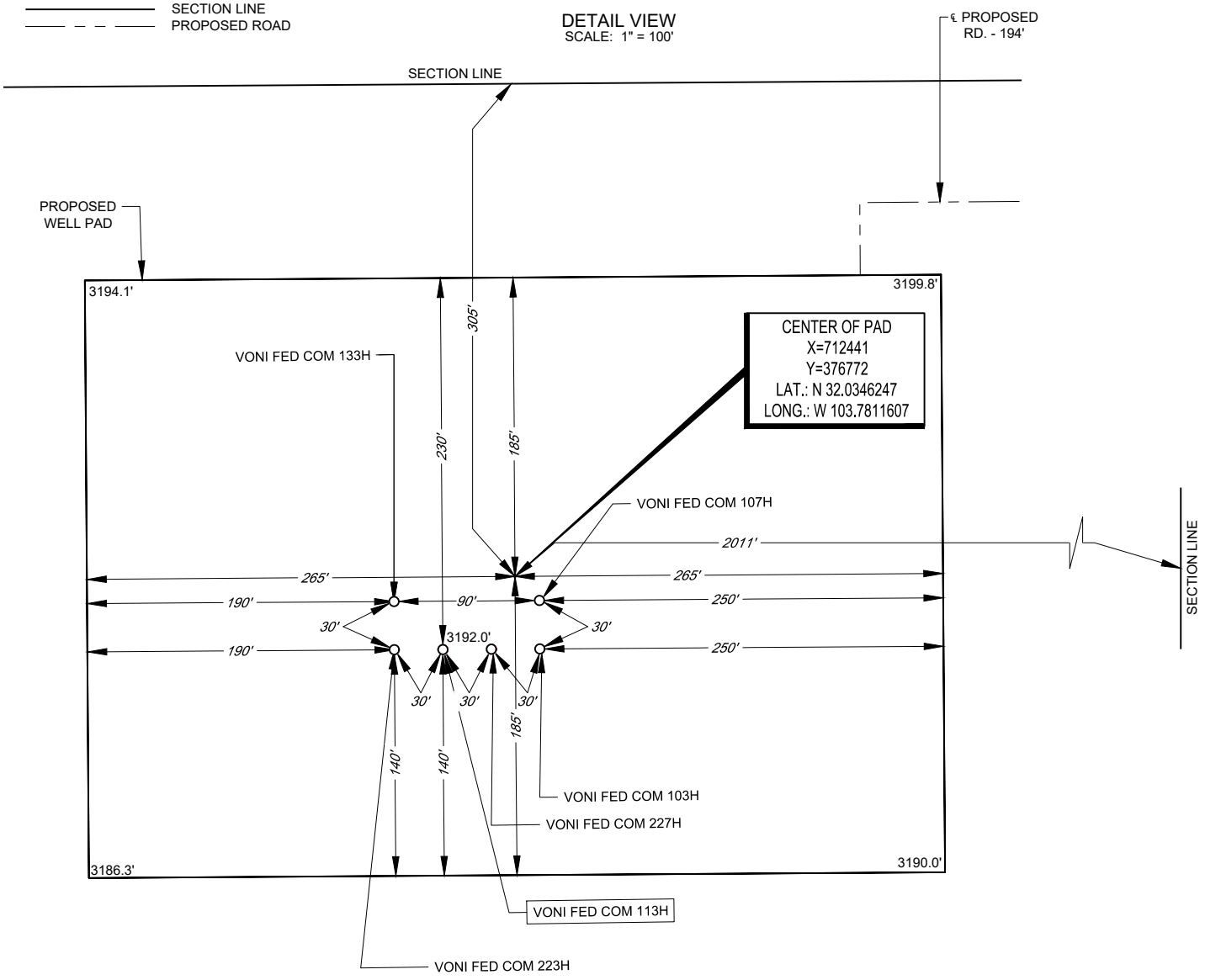
Matador PRODUCTION COMPANY

SECTION 21, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

LEGEND

SECTION LINE
PROPOSED ROAD

DETAIL VIEW
SCALE: 1" = 100'




ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

LEASE NAME & WELL NO.: VONI FED COM 113H

113H LATITUDE N 32.0345008 113H LONGITUDE W 103.7813057

CENTER OF PAD IS 305' FNL & 2011' FEL

SCALE: 1" = 100'

0' 50' 100'

Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION

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ORIGINAL DOCUMENT SIZE: 8.5" X 11"

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# PECOS DISTRICT
# DRILLING CONDITIONS OF APPROVAL

| | |
|---|---|
| **OPERATOR'S NAME:** | **MATADOR PRODUCTION COMPANY** |
| **LEASE NO.:** | **NMNM138866** |
| **WELL NAME & NO.:** | VONI FED COM 113H SUNDRY |
| **SURFACE HOLE FOOTAGE:** | 350'/N & 2056'/E |
| **BOTTOM HOLE FOOTAGE** | 100'/S & 2310'/ E |
| **LOCATION:** | Section 21, T.26 S., R.31 E., NMPM |
| **COUNTY:** | Eddy County, New Mexico |

COA

| | | | |
|---|---|---|---|
| H2S | ○ Yes | ◉ No | |
| Potash | ◉ None | ○ Secretary | ○ R-111-P |
| Cave/Karst Potential | ○ Low | ○ Medium | ◉ High |
| Cave/Karst Potential | ○ Critical | | |
| Variance | ○ None | ◉ Flex Hose | ○ Other |
| Wellhead | ○ Conventional | ◉ Multibowl | ○ Both |
| Other | ☐ 4 String Area | ☐ Capitan Reef | ☐ WIPP |
| Other | ☑ Fluid Filled | ☑ Cement Squeeze | ☐ Pilot Hole |
| Special Requirements | ☐ Water Disposal | ☑ COM | ☐ Unit |

**ALL Previous COAs Still Apply.**

## A. CASING

1. The **7-5/8** inch intermediate casing shall be set at approximately **9100 feet**. 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. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

   **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.
  **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

❖ **Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.**

**Operator has proposed to pump down 13-3/8" X 7-5/8" annulus. Operator must run a CBL from TD of the** Choose an item.**" casing to surface. Submit results to BLM.**

# RI03172021

212631 B ATS-19-2697 VONI FED COM 113H Eddy NMNM138866 Matador 13-22 03172021 RI SUNDRY

VONI FED COM 113H SUNDRY

13 3/8 surface csg in a 17 1/2 inch hole. Design Factors Surface

| Segment | #/ft | Grade | Coupling | Body | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| "A" | 54.50 | J 55 | BTC | 14.69 | 2.32 | 0.62 | 1,066 | 6 | 1.13 | 4.47 | 58,097 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 1,446 | | | Tail Cmt | does not | circ to sfc. | Totals: | 1,066 | | | | 58,097 |

Comparison of Proposed to Minimum Required Cement Volumes

| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | Min Dist Hole-Cplg |
|---|---|---|---|---|---|---|---|---|---|
| 17 1/2 | 0.6946 | 760 | 1222 | 740 | 65 | 8.80 | 2408 | 3M | 1.56 |

Class 'C' tail cmt yield above 1.35.

Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.

7 5/8 casing inside the 13 3/8 Design Factors Int 1

| Segment | #/ft | Grade | Coupling | Body | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| "A" | 29.70 | P 110 | BTC | 3.53 | 1.22 | 2.14 | 9,100 | 2 | 3.90 | 2.22 | 270,270 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: | | | | | | Totals: | 9,100 | | | | 270,270 |

The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1066 overlap.

| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | Min Dist Hole-Cplg |
|---|---|---|---|---|---|---|---|---|---|
| 9 7/8 | 0.2148 | 850 | 2632 | 2313 | 14 | 9.40 | 2430 | 3M | 0.69 |

Class 'H' tail cmt yld > 1.20

More cement may be needed.

Tail cmt

5 1/2 casing inside the 7 5/8 Design Factors Prod 1

| Segment | #/ft | Grade | Coupling | Body | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| "A" | 20.00 | P 110 | TLW | 3.90 | 2.94 | 3.25 | 21,522 | 3 | 5.91 | 5.35 | 430,440 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 1,992 | | | | | | Totals: | 21,522 | | | | 430,440 |

The cement volume(s) are intended to achieve a top of 9687 ft from surface or a -587 overlap.

| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | Min Dist Hole-Cplg |
|---|---|---|---|---|---|---|---|---|---|
| 6 3/4 | 0.0835 | 860 | 1161 | 988 | 17 | 9.40 | | | 0.44 |

Class 'C' tail cmt yld > 1.35

More cement may be needed.

#N/A

**Voni Fed Com 113H**
**SHL: 350' FNL & 2056' FEL Section 21**
**BHL: 100' FSL & 2310' FWL Section 33**
**Township/Range: 26S 31E**
**Elevation Above Sea Level: 3192**

**Drilling Operation Plan**

Proposed Drilling Depth: 21522' MD / 9055' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.0353237535 N / -103.7819363979 W
TD Lat/Long (NAD83): 32.0004542357 N / -103.7820082910 W

**1. Estimated Tops**

| Formation | MD (ft) | TVD (ft) | Thickness (ft) | Lithology | Resource |
|---|---|---|---|---|---|
| Rustler | 855 | 855 | 707 | Anhydrite | Barren |
| Salado (Top of Salt) | 1,562 | 1,562 | 1,829 | Salt | Barren |
| Castile | 3,391 | 3,391 | 624 | Salt | Barren |
| Lamar (Base of Salt) | 4,015 | 4,015 | 28 | Dolomite | Barren |
| Bell Canyon | 4,043 | 4,043 | 1,103 | Sandstone | Oil/Natural Gas |
| Cherry Canyon | 5,146 | 5,146 | 1,143 | Sandstone | Oil/Natural Gas |
| Brushy Canyon | 6,289 | 6,289 | 1,612 | Sandstone | Oil/Natural Gas |
| Bone Spring Lime | 7,929 | 7,901 | 1,015 | Limestone | Oil/Natural Gas |
| **KOP** | **8,509** | **8,482** | **-** | **Sandstone** | **Oil/Natural Gas** |
| 1st Bone Spring Sand | 9,000 | 8,916 | - | Sandstone | Oil/Natural Gas |
| **TD** | **21,522** | **9,055** | | **Sandstone** | **Oil/Natural Gas** |

**2. Notable Zones**

1st Bone Spring is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 230'

**3. Pressure Control**

Equipment
A 12,000' 5,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Onshore Order #2 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Onshore Order #2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 5M BOPE system will be installed. Test pressures will be 250 psi low and 5,000 psi high with the annular preventer being tested to 250 psi low and 2500 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 5M BOPE system is re-installed.

Variance Request
Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

**4. 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 - 1066 | 0 - 1066 | 13.375 | 54.5 | J-55 | BUTT | 1.125 | 1.125 | 1.8 |
| Intermediate 1 | 9.875 | 0 - 9100 | 0 - 8974 | 7.625 | 29.7 | P-110 | BUTT | 1.125 | 1.125 | 1.8 |
| Production | 6.75 | 0 - 21522 | 0 - 9055 | 5.5 | 20 | P-110 | Hunting TLW-SC | 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
- Request the option to deepen the Intermediate 1 casing set depth to 80° in curve, no changes in pipe grade or weight is neccesary.

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

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.

Matador request option to perform a bradenhead cement squeeze on Intermediate 1 string.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole.

| String | Type | Sacks | Yield | Cu. Ft. | Weight | Percent Excess | Top of Cement | Class | Blend |
|---|---|---|---|---|---|---|---|---|---|
| Surface | Lead | 510 | 1.72 | 870 | 13.5 | 50% | 0 | C | 5% NaCl + LCM |
| | Tail | 250 | 1.38 | 347 | 14.8 | 50% | 766 | C | 5% NaCl + LCM |
| Intermediate 1 | Lead | 640 | 3.66 | 2349 | 10.3 | 35% | 0 | A/C | Bentonite + 1% CaCL2 + 8% NaCl + LCM |
| | Tail | 210 | 1.38 | 290 | 13.2 | 35% | 8100 | A/C | 5% NaCl + LCM |
| Production | Tail | 860 | 1.35 | 1160 | 13.2 | 10% | 8900 | A/C | Fluid Loss + Dispersant + Retarder |

**5. 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 | Hole Size (in) | Mud Type | Interval MD (ft) | Density (lb/gal) | Viscosity | Fluid Loss |
|---|---|---|---|---|---|---|
| Surface | 17.5 | Spud Mud | 0 - 1066 | 8.4 - 8.8 | 28-30 | NC |
| Intermediate 1 | 9.875 | Diesel Brine Emulsion | 1066 - 9100 | 8.4 - 9.4 | 28-30 | NC |
| Production | 6.75 | OBM/Cut Brine | 9100 - 21522 | 8.6 - 9.4 | 50-65 | <20 |

**6. Cores, Test, & Logs**

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve.

**7. Down Hole Conditions**

## Drill Plan

No abnormal pressure or temperature is expected. Bottom hole pressure is 4426 psi. Maximum anticipated surface pressure is 2434 psi. Expected bottom hole temperature is 160 F.

In accordance with Onshore Order 6, Matador does not anticipate that there will be enough H2S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H2S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H2S safety package on all wells, attached is an "H2S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

**District I**
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
**District II**
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
**District III**
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 23093

## COMMENTS

| | |
|---|---|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937 |
| | Action Number:<br>23093 |
| | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**COMMENTS**

| Created By | Comment | Comment Date |
|---|---|---|
| kpickford | KP GEO Review 4/7/2021 | 4/7/2021 |

**District I**
1625 N. French Dr., Hobbs, NM 88240
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CONDITIONS

Action 23093

## CONDITIONS

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| | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| kpickford | Adhere to previous NMOCD Conditions of Approval | 4/7/2021 |