

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

5. Lease Serial No.
NMNM136226

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
LESLIE FED COM 201H

2. Name of Operator Contact: TAMMY R LINK
MATADOR PRODUCTION COMPANYE-Mail: tlink@matadorresources.com

9. API Well No.
30-025-44544-00-X1

3a. Address
5400 LBJ FREEWAY SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)
Ph: 575-627-2465

10. Field and Pool or Exploratory Area
DOGIE DRAW-DELAWARE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 27 T25S R35E SWSW 295FSL 1202FWL
32.123955 N Lat, 103.394211 W Lon

11. County or Parish, State
LEA 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 Change to Original A PD |
| | <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 recomplete 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 recompletion 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: NMB0001079
Surety Bond:RLB0015172

PCM 12/27/18

SEE ATTACHED FOR
CONDITIONS OF APPROVAL
HOBBS OCD

Please see attached C-102 to revise the SHL and BHL of Matador's Leslie Fed Com #201H well.
SHL: From 295' FSL and 1202' FWL of Sec. 17, T25S, R35E to 295' FSL and 1132' FWL of Sec. 17, T25S, R35E
BHL: from 240' FNL and 450' FWL, Sec. 17, T25S, R35E, to 100' FNL and 450' FWL of Sec. 17, T25S, R35E, Both SHL and BHL have been moved within previously approved footprint.

JAN 16 2019

Please also see attached table for the following changes:
Adjusted Surface casing depth from 1000' to 950' due to new information on the Rustler top based on recent offset wells.

RECEIVED

12/20/2018 Engineering review completed by m Hague

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #446650 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 12/07/2018 (19PP0556SE)

Name (Printed/Typed) TAMMY R LINK

Title PRODUCTION ANALYST

Signature (Electronic Submission)

Date 12/05/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By *MS Walls*

Title *SPE*

Date *12/27/18*

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 *CFO*

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 ****

KZ

Additional data for EC transaction #446650 that would not fit on the form

32. Additional remarks, continued

Adjusted Intermediate I casing depth from 5600' to 5500' due to new information on the Base of the salt from recent offset wells.

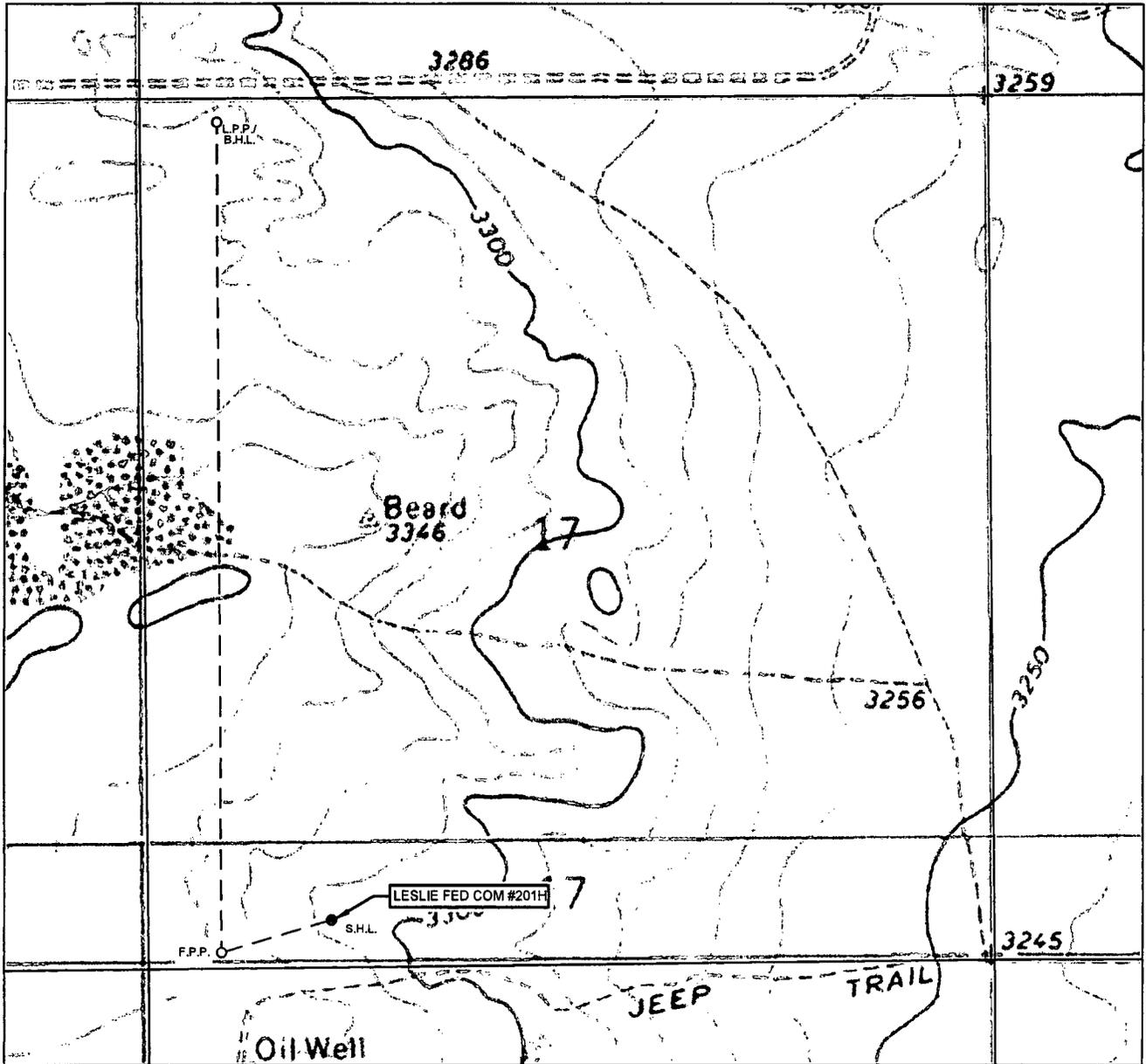
Adjusted Intermediate II casing from 7 5/8" to x 7" to 7 5/8" longstring and adjusted estimated setting depths.

Adjusted production hole size from 6 1/8" to 6 3/4" and the bottom production casing size from 4 1/2" 13.5# P-110/TXP to 5 1/2" 20# P-110 Eagle SFH. Spec sheet attached for 5 1/2" 20# Eagle SFH.

Adjusted cement volumes for all strings accordingly.

Please e-mail all questions to JD Harkrider, jharkrider@matadorresources.com

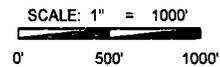
LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO.: LESLIE FED COM #201H

SECTION 17 TWP 25-S RGE 35-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3312'
 DESCRIPTION 295' FSL & 1132' FWL

LATITUDE N 32.1239535 LONGITUDE W 103.3944360



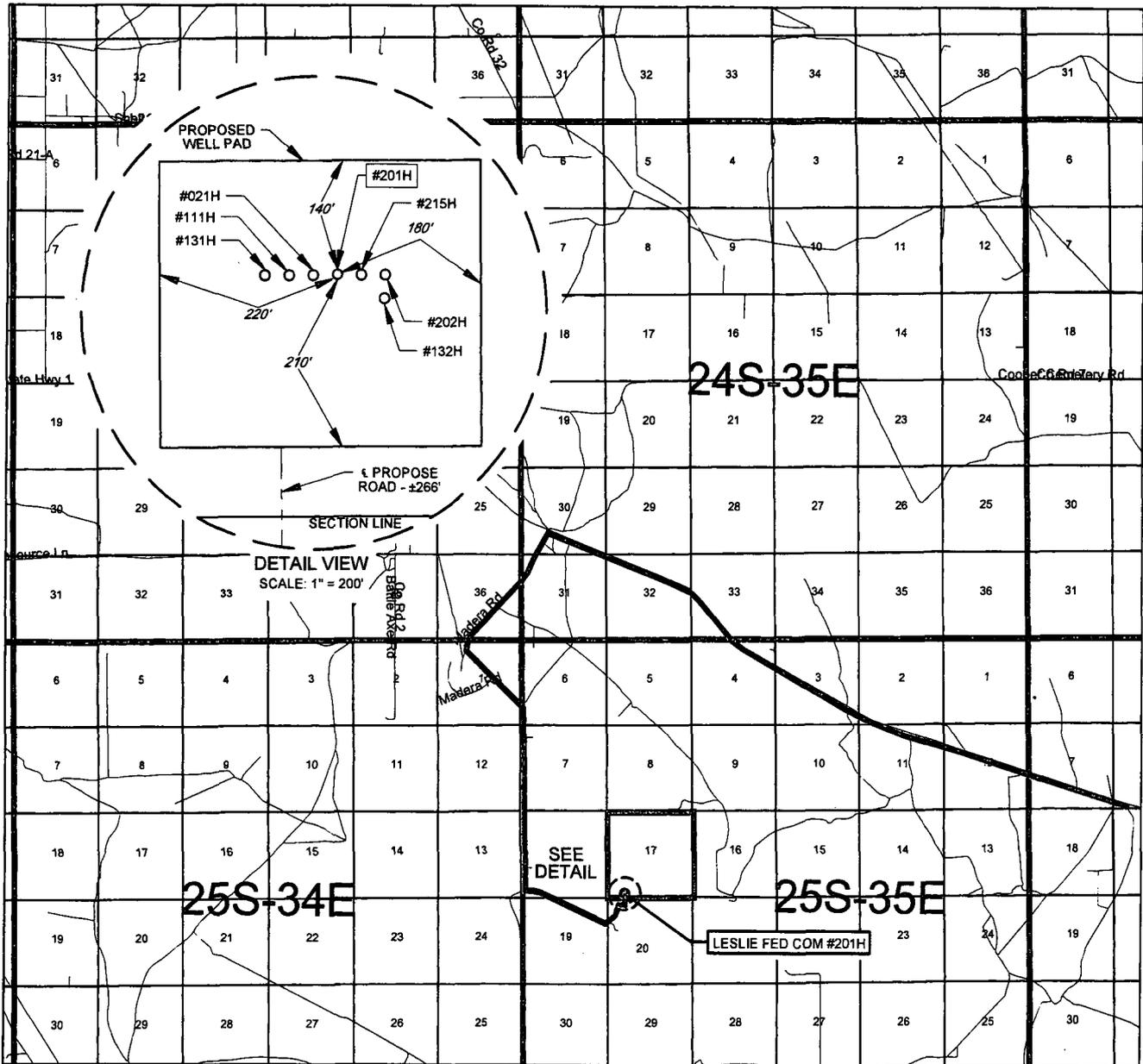
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE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

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.



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM

VICINITY MAP



LEASE NAME & WELL NO.: LESLIE FED COM #201H

SECTION 17 TWP 25-S RGE 35-E SURVEY N.M.P.M.

COUNTY LEA STATE NM

DESCRIPTION 295' FSL & 1132' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-128 W. & NM-205 N GO WEST ON NM-128 ±13.8 MILES. THENCE WEST (LEFT) ON BATTLE AXE RD. ±0.3 MILES. THENCE CONTINUE SOUTH ON MADARA RD. ±1.4 MILES, THENCE SOUTHEAST (LEFT) ON LEASE RD. ±3.1 MILES, THENCE EAST (LEFT) ±1.0 MILES, THENCE NORTHEAST (LEFT) ±0.4 MILES, THENCE NORTH(LEFT) ON A PROPOSED RD. ±266 FEET TO A POINT ±221 FEET SOUTHWEST OF THE LOCATION.

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.

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.



SCALE: 1" = 10000'
0' 5000' 10000'



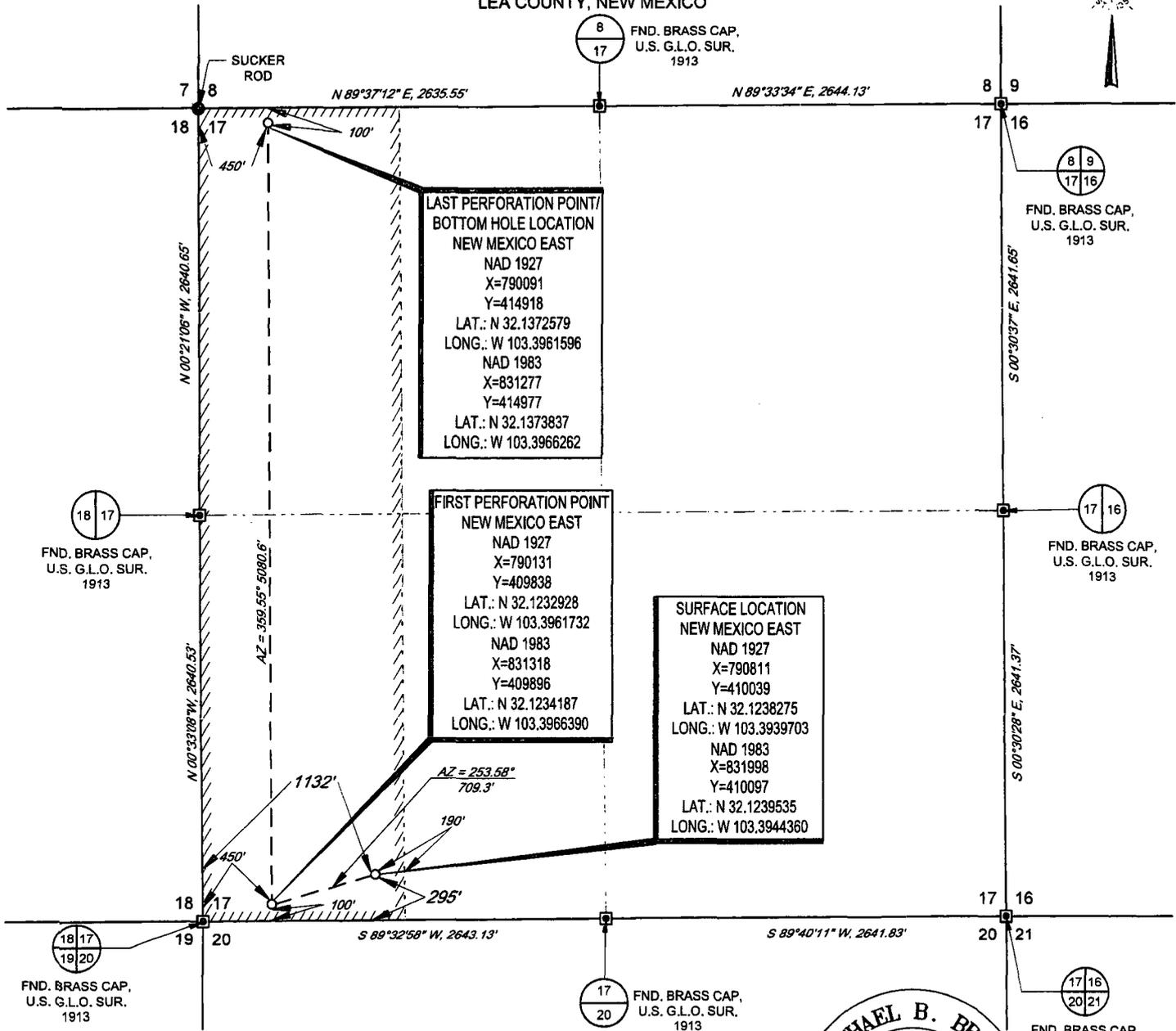
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

SCALE: 1" = 1000'
 0' 500' 1000'



SECTION 17, TOWNSHIP 25-S, RANGE 35-E, N.M.P.M.
 LEA COUNTY, NEW MEXICO



LAST PERFORATION POINT/
 BOTTOM HOLE LOCATION
 NEW MEXICO EAST
 NAD 1927
 X=790091
 Y=414918
 LAT.: N 32.1372579
 LONG.: W 103.3961596
 NAD 1983
 X=831277
 Y=414977
 LAT.: N 32.1373837
 LONG.: W 103.3966262

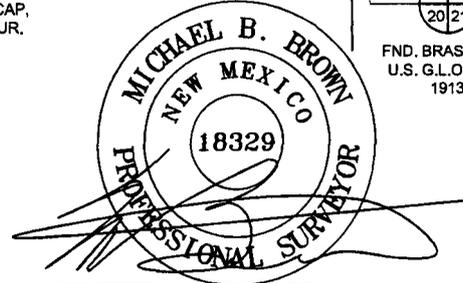
FIRST PERFORATION POINT
 NEW MEXICO EAST
 NAD 1927
 X=790131
 Y=409838
 LAT.: N 32.1232928
 LONG.: W 103.3961732
 NAD 1983
 X=831318
 Y=409896
 LAT.: N 32.1234187
 LONG.: W 103.3966390

SURFACE LOCATION
 NEW MEXICO EAST
 NAD 1927
 X=790811
 Y=410039
 LAT.: N 32.1238275
 LONG.: W 103.3939703
 NAD 1983
 X=831998
 Y=410097
 LAT.: N 32.1239535
 LONG.: W 103.3944360

LEASE NAME & WELL NO.: LESLIE FED COM #201H
 SECTION 17 TWP 25-S RGE 35-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM
 DESCRIPTION 295' FSL & 1132' FWL

DISTANCE & DIRECTION
FROM INT. OF NM-128 W. & NM-205 N GO WEST ON NM-128 ±13.8 MILES. THENCE WEST (LEFT) ON BATTLE AXE RD. ±0.3 MILES. THENCE CONTINUE SOUTH ON MADERA RD. ±1.4 MILES. THENCE SOUTHEAST (LEFT) ON LEASE RD. ±3.1 MILES. THENCE EAST (LEFT) ±1.0 MILES, THENCE NORTHEAST (LEFT) ±0.4 MILES. THENCE NORTH(LEFT) ON A PROPOSED RD. ±266 FEET TO A POINT ±221 FEET SOUTHWEST 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.



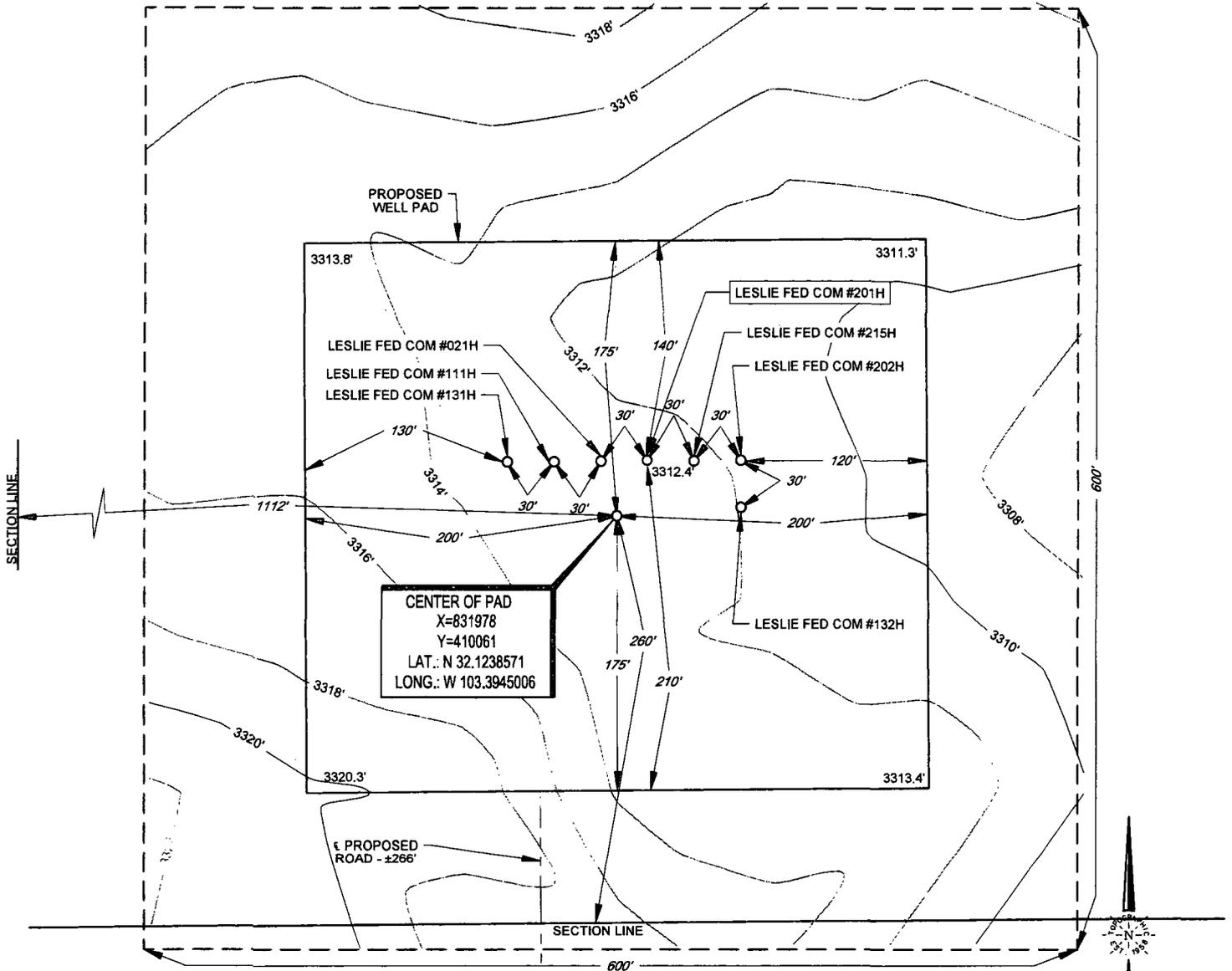
Michael Blake Brown, P.S. No. 18329
 DECEMBER 04, 2018

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM



SECTION 17, TOWNSHIP 25-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: LESLIE FED COM #201H
#201H LATITUDE N 32.1239535 #201H LONGITUDE W 103.3944360

CENTER OF PAD IS 260' FSL & 1112' FWL

SCALE: 1" = 100'
0' 50' 100'

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 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. 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.



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

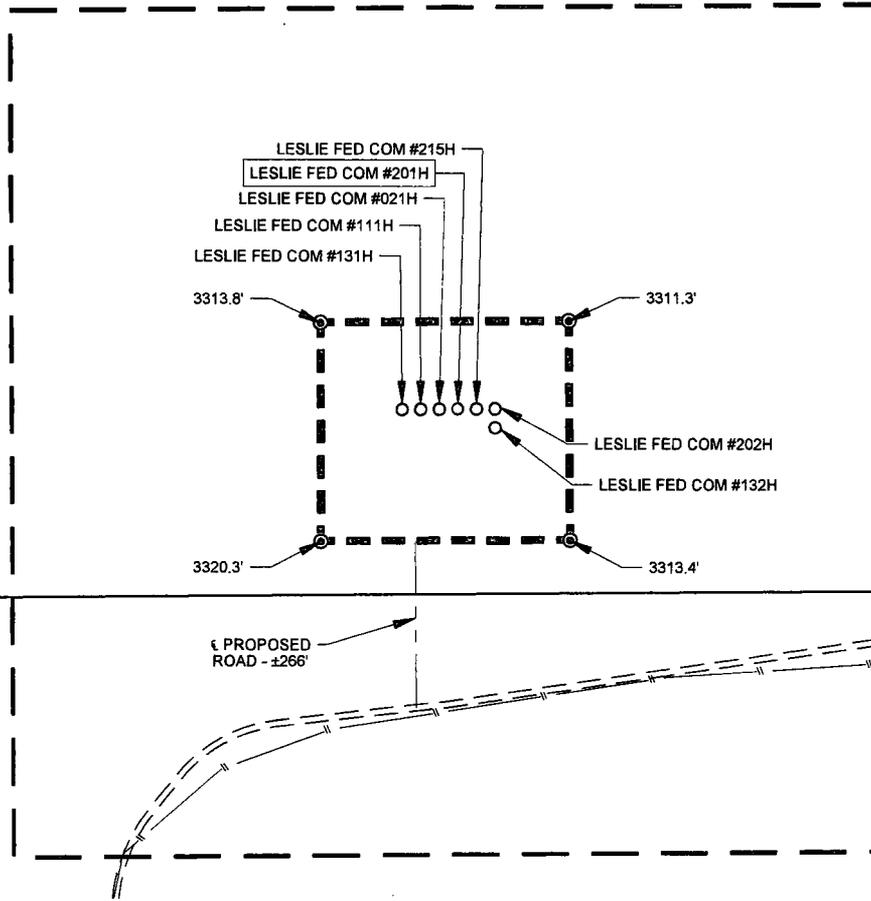
SCALE: 1" = 300'

0' 150' 300'

SECTION 17, TOWNSHIP 25-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



500' OFFSET AREA

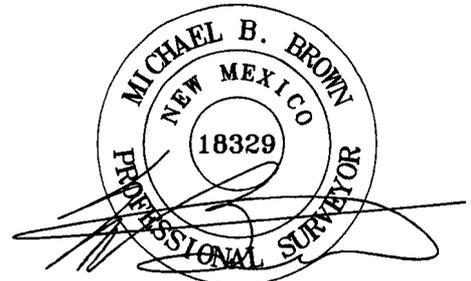


LEGEND

- PROPOSED SITE
- 500' PROXIMITY
- SURVEY/SECTION LINE
- EXISTING PIPELINE
- PROPOSED ROAD
- ROAD
- IRON ROD SET



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
DECEMBER 04, 2018

| | | | |
|---|-----------|------------|---|
| LESLIE FED COM #201H PROXIMITY MAP DATE: 09/26/16 FILE: LO_LESLIE_FED_COM_201H_REV4 DRAWN BY: EAH SHEET: 7 OF 7 | REVISION: | | NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY. |
| | A.V.F. | 11/04/2016 | |
| | MML | 01/26/2017 | |
| | MML | 11/02/2017 | |
| | JLS | 12/04/2017 | |

| Formation Name | TVD | Bearing |
|---------------------------|-------|--------------|
| Quaternary Fill | 0 | Water |
| Dewey Lake | 389 | Water |
| Rustler | 909 | Water |
| Salado | 1431 | Barren |
| Castile | 3724 | Barren |
| Base of Salt | 5451 | Barren |
| Bell Canyon | 5474 | Hydrocarbons |
| Cherry Canyon | 6469 | Hydrocarbons |
| Brushy Canyon | 7917 | Hydrocarbons |
| Bone Spring Lime | 9254 | Hydrocarbons |
| 1st Bone Spring Carbonate | 10323 | Hydrocarbons |
| 1st Bone Spring Sand | 10397 | Hydrocarbons |
| 2nd Bone Spring Carbonate | 10605 | Hydrocarbons |
| 2nd Bone Spring Sand | 10994 | Hydrocarbons |
| 3rd Bone Spring Carbonate | 11456 | Hydrocarbons |
| 3rd Bone Spring Sand | 12111 | Hydrocarbons |
| Wolfcamp A | 12443 | Hydrocarbons |
| Wolfcamp B | 12818 | Hydrocarbons |
| Strawn | 14281 | Hydrocarbons |

| Name | Hole Size | Mud Weight | Visc | Fluid Loss | Type Mud |
|----------------|------------------|-------------------|-------------|-------------------|-----------------|
| Surface | 17-1/2" | 8.30 | 28 | NC | FW Spud Mud |
| Intermediate | 12-1/4" | 10.00 | 30-32 | NC | Brine Water |
| Intermediate 2 | 8-3/4" | 9.00 | 30-31 | NC | FW/Cut Brine |
| Production | 6-3/4" | 12.00 | 50-60 | <10 | OBM |

| Name | Hole Size | Casing Size | Wt/Grade | Thread Collar | Setting Depth | Top Cement |
|----------------|-----------|---------------|-------------|---------------|---------------|------------|
| Surface | 17-1/2" | 13-3/8" (new) | 54.5# J-55 | BTC | 950 | Surface |
| Intermediate | 12-1/4" | 9-5/8" (new) | 40# J-55 | BTC | 5500 | Surface |
| Intermediate 2 | 8-3/4" | 7-5/8" (new) | 29.7# P-110 | BTC | 5200 | 5200 |
| | | 7-5/8" (new) | 29.7# P110 | HTFNR | 12600 | |
| Production | 6-3/4" | 5-1/2" (new) | 20# P-110 | BTC | 12000 | 12300 |
| | | 5-1/2" (new) | 20# P-110 | Eagle SFH | 17242 | |

***5-1/2" SF will be Eagle SFH or like connection

| Name | Type | Sacks | Yield | Weight | Blend |
|----------------|------|-------------|-------|--|--|
| Surface | Lead | 200 | 1.75 | 13.5 | Class C + Bentonite + 2% CaCL ₂ + 3% NaCl + LCM |
| | Tail | 700 | 1.35 | 14.8 | Class C + 5% NaCl + LCM |
| TOC = 0' | | 100% Excess | | Centralizers per Onshore Order 2.III.B.1f | |
| Intermediate | Lead | 500 | 1.94 | 12.8 | Class C + Bentonite + 1% CaCL ₂ + 8% NaCl + LCM |
| | Tail | 180 | 1.35 | 14.8 | Class C + 5% NaCl + LCM |
| TOC = 0' | | 50% Excess | | 2 on btm jt, 1 on 2nd jt, 1 every 4th jt to surface | |
| Intermediate 2 | Lead | 315 | 2.79 | 11 | Class C + Fluid Loss + Dispersant + Retarder + LCM |
| | Tail | 110 | 1.46 | 13.2 | Class C + Fluid Loss + Dispersant + Retarder + LCM |
| TOC = 5200' | | 35% Excess | | 1 every 4th jt from KOP to TOC; See requested variance | |
| Production | Tail | 375 | 1.23 | 14.2 | Class H + Fluid Loss + Dispersant + Retarder + LCM |
| TOC = 12300' | | 10% Excess | | See requested Variance | |

***All casing strings will be tested in accordance with Onshore Oil and Gas 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.

***A variance is requested to waive the centralizer requirement for the 7-5/8" flush casing in the last 800' of 8-3/4" hole and the 5-1/2" SF/Flush casing in the 6-3/4" hole.



U. S. Steel Tubular Products

3/12/2018 1:34:48 PM

5.500" 20.00lbs/ft (0.361" Wall) P110 HP USS-EAGLE SFH™

| MECHANICAL PROPERTIES | Pipe | USS-EAGLE SFH™ | |
|--------------------------|---------|----------------|-----|
| Minimum Yield Strength | 125,000 | -- | psi |
| Maximum Yield Strength | 140,000 | -- | psi |
| Minimum Tensile Strength | 130,000 | -- | psi |

| DIMENSIONS | Pipe | USS-EAGLE SFH™ | |
|----------------------------|-------|----------------|--------|
| Outside Diameter | 5.500 | 5.830 | in. |
| Wall Thickness | 0.361 | -- | in. |
| Inside Diameter | 4.778 | 4.693 | in. |
| Standard Drift | 4.653 | 4.653 | in. |
| Alternate Drift | -- | 4.653 | in. |
| Nominal Linear Weight, T&C | 20.00 | -- | lbs/ft |
| Plain End Weight | 19.83 | -- | lbs/ft |

| SECTION AREA | Pipe | USS-EAGLE SFH™ | |
|------------------|-------|----------------|---------|
| Critical Area | 5.828 | 5.027 | sq. in. |
| Joint Efficiency | -- | 86.3 | % |

| PERFORMANCE | Pipe | USS-EAGLE SFH™ | |
|-----------------------------------|---------|----------------|------------|
| Minimum Collapse Pressure | 13,150 | 13,150 | psi |
| External Pressure Leak Resistance | -- | 13,150 | psi |
| Minimum Internal Yield Pressure | 14,360 | 14,360 | psi |
| Minimum Pipe Body Yield Strength | 729,000 | -- | lbs |
| Joint Strength | -- | 628,000 | lbs |
| Compression Rating | -- | 628,000 | lbs |
| Reference Length | -- | 20,933 | ft |
| Maximum Uniaxial Bend Rating | -- | 89.7 | deg/100 ft |

| MAKE-UP DATA | Pipe | USS-EAGLE SFH™ | |
|--------------------------|------|----------------|--------|
| Make-Up Loss | -- | 5.92 | in. |
| Minimum Make-Up Torque | -- | 14,200 | ft-lbs |
| Maximum Make-Up Torque | -- | 16,800 | ft-lbs |
| Maximum Operating Torque | -- | 25,700 | ft-lbs |

Legal Notice

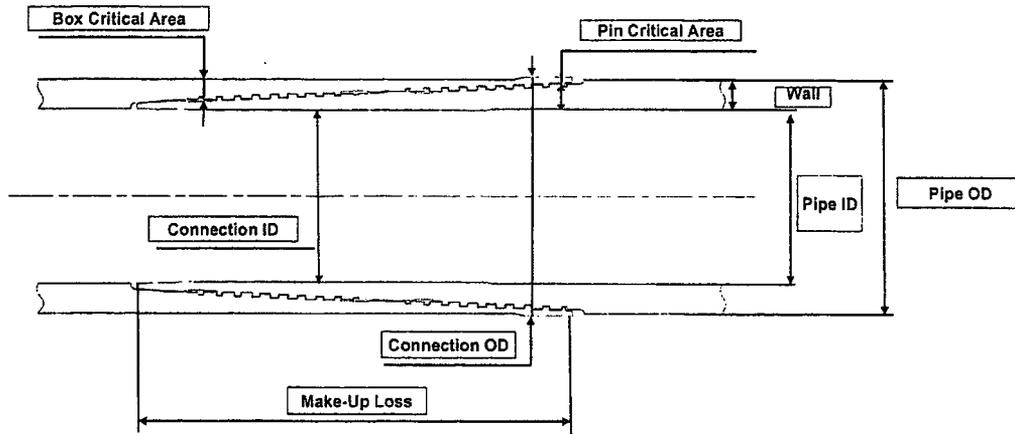
All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

CONNECTION DATA SHEET (Imperial Units)



Connection: **VAM® HTF-NR 7,625" 29,70# P110EC**
 Alternate Drift: **6,750"**

Drawing: **PD-101836P PD-101836B** **Isolated connection**



| OD | WEIGHT | WALL | GRADE | API DRIFT |
|--------|-------------|--------|--------|-----------|
| 7,625" | 29,70 lb/ft | 0,375" | P110EC | 6,750" |

| PIPE BODY PROPERTIES: | | | CONNECTION PROPERTIES: | | |
|-----------------------|--------|--------|---------------------------------|-------|--------|
| Outside Diameter | inch | 7,625 | Connection OD (nom) | inch | 7,701 |
| Internal Diameter | inch | 6,875 | Connection ID | inch | 6,782 |
| Nominal Area | sq.in. | 8,541 | Coupling Length | inch | N/A |
| | | | Make-up Loss | inch | 4,657 |
| | | | Box critical area | %PBYS | 58% |
| | | | Pin critical area | %PBYS | 67% |
| Yield Strength | klb | 1 068 | Yield Strength | klb | 619 |
| Ultimate Strength | klb | 1 153 | Ultimate strength | klb | 669 |
| | | | Structural compression | klb | 776 |
| | | | Compression with sealability | klb | 371 |
| MIYP | psi | 10 760 | MIYP | psi | 10 760 |
| Collapse Pressure | psi | 5 670 | Ext Pressure Resistance | psi | 5 670 |
| | | | Regular Make-up Torque | ft.lb | |
| | | | | Min | 9 600 |
| | | | | Opt | 11 300 |
| | | | | Max | 13 000 |
| | | | Maximum Torque with Sealability | ft.lb | 58 500 |
| | | | Maximum Torsional Value | ft.lb | 73 000 |

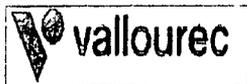
No one knows VAM like VAM

uk@vamfieldservice.com
 dubai@vamfieldservice.com
 angola@vamfieldservice.com
 singapore@vamfieldservice.com



usa@vamfieldservice.com
 brazil@vamfieldservice.com
 canada@vamfieldservice.com
 mexico@vamfieldservice.com

so VAM Specialists Available Worldwide 24/7 for Rio Site Assistance



Designed by :
X. MENCAGLIA

Reference: **VRCC16-1177**
 Revision: **0**
 Date: **July 19, 2016**

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

| | |
|-----------------------|---------------------------------|
| OPERATOR'S NAME: | MATADOR PRODUCTION COMPANY |
| LEASE NO.: | NMNM136226 |
| WELL NAME & NO.: | 201H – LESLIE FEDERAL COM |
| SURFACE HOLE FOOTAGE: | 295'/S & 1132'/W |
| BOTTOM HOLE FOOTAGE: | 100'/N & 450'/W |
| LOCATION: | Section 17., T25S., R.35E., NMP |
| COUNTY: | LEA County, New Mexico |

| | | | |
|----------------------|--|--|-------------------------------|
| 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 |
| Variance | <input type="radio"/> None | <input checked="" type="radio"/> Flex Hose | <input type="radio"/> Other |
| Wellhead | <input type="radio"/> Conventional | <input checked="" type="radio"/> Multibowl | |
| Other | <input type="checkbox"/> 4 String Area | <input type="checkbox"/> Capitan Reef | <input type="checkbox"/> WIPP |

All previous COAs still apply, except for the following:

A. CASING

1. The 13 3/8 inch surface casing shall be set at approximately 950 feet (a minimum of 25 feet 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.

First intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the 9 5/8 inch first intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Second intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The minimum required fill of cement behind the $7 \frac{5}{8}$ inch second intermediate casing is:
 - Cement as proposed. Operator shall provide method of verification.
4. The minimum required fill of cement behind the $5 \frac{1}{2}$ inch production casing is:
 - Cement as proposed. Operator shall provide method of verification.

MHH 12202018

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Chaves and Roosevelt Counties
Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.
During office hours call (575) 627-0272.
After office hours call (575)

Eddy County
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
393-3612

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.