

|                                        |                                                                             |                                                     |
|----------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Well Name:</b> MUSKIE 23-11 FED COM | <b>Well Location:</b> T26S / R34E / SEC 23 / SWNW / 32.029343 / -103.448345 | <b>County or Parish/State:</b> LEA / NM             |
| <b>Well Number:</b> 1H                 | <b>Type of Well:</b> OIL WELL                                               | <b>Allottee or Tribe Name:</b>                      |
| <b>Lease Number:</b> NMNM100568        | <b>Unit or CA Name:</b>                                                     | <b>Unit or CA Number:</b>                           |
| <b>US Well Number:</b> 3002547411      | <b>Well Status:</b> Approved Application for Permit to Drill                | <b>Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP |

## Notice of Intent

**Sundry ID:** 2509110

**Type of Submission:** Notice of Intent

**Type of Action:** Other

**Date Sundry Submitted:** 07/22/2021

**Time Sundry Submitted:** 07:18

**Date proposed operation will begin:** 07/22/2021

**Procedure Description:** Devon Energy Production Company, L.P. respectfully requests a SHL/BHL move: Name change from Muskie 23-14 Fed Com 1H to Muskie 23-11 Fed Com 1H SHL move from 2485 FNL & 281 FWL to 2485 FNL & 251 FWL, both 23-26S-34E BHL move from 20 FNL to 360 FWL, 14-26S-34E to 20 FNL & 400 FWL, 11-26S-34E TVD/MD change from 12,680'/19,983 to 12,635'/25,701' Please see revised C-102, Drilling and Directional plans

## Surface Disturbance

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

## NOI Attachments

### Procedure Description

MUSKIE\_23\_11\_FED\_COM\_1H\_C\_102\_SHL\_BHL\_NOI\_20210722071833.pdf

Muskie\_23\_11\_Fed\_Com\_1H\_Directional\_Plan\_07\_21\_21\_20210722071004.pdf

Muskie\_23\_11\_Fed\_Com\_1H\_20210722071004.pdf

**Well Name:** MUSKIE 23-11 FED COM**Well Location:** T26S / R34E / SEC 23 /  
SWNW / 32.029343 / -103.448345**County or Parish/State:** LEA /  
NM**Well Number:** 1H**Type of Well:** OIL WELL**Allottee or Tribe Name:****Lease Number:** NMNM100568**Unit or CA Name:****Unit or CA Number:****US Well Number:** 3002547411**Well Status:** Approved Application for  
Permit to Drill**Operator:** DEVON ENERGY  
PRODUCTION COMPANY LP

### 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:** REBECCA DEAL**Signed on:** JUL 22, 2021 07:10 AM**Name:** DEVON ENERGY PRODUCTION COMPANY LP**Title:** Regulatory Compliance Professional**Street Address:** 333 West Sheridan Avenue**City:** Oklahoma City**State:** OK**Phone:** (405) 228-8429**Email address:** Rebecca.Deal@dvn.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:** 10/14/2021**Signature:** Chris Walls

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (505) 748-1283 Fax: (505) 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) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

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

☒ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                   |                                                               |                                                  |
|-----------------------------------|---------------------------------------------------------------|--------------------------------------------------|
| API Number<br><b>30-025-47411</b> | Pool Code<br><b>96776</b>                                     | Pool Name<br><b>JABALINA;WOLFCAMP, SOUTHWEST</b> |
| Property Code<br><b>328845</b>    | Property Name<br><b>MUSKIE 23-11 FED COM</b>                  | Well Number<br><b>1H</b>                         |
| OGRID No.<br><b>6137</b>          | Operator Name<br><b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b> | Elevation<br><b>3212.6'</b>                      |

**Surface Location**

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E             | 23      | 26-S     | 34-E  |         | 2485          | NORTH            | 251           | WEST           | LEA    |

**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 |
|-------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| D                             | 11              | 26-S               | 34-E      |         | 20            | NORTH            | 400           | WEST           | LEA    |
| Dedicated Acres<br><b>800</b> | Joint or Infill | Consolidation Code | Order No. |         |               |                  |               |                |        |

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

MUSKIE 23-11 FED COM 1H  
EL: 3212.6'  
LAT: 32.029344  
LON: 103.448442  
N: 375537.12  
E: 815560.70

FIRST TAKE POINT  
2539' FNL 400' FWL SEC. 23  
LAT: 32.029192  
LON: 103.447961  
N: 375483.13  
E: 815710.16

LAST TAKE POINT  
100' FNL 400' FWL SEC. 11  
LAT: 32.064930  
LON: 103.447972  
N: 388484.01  
E: 815600.12

BOTTOM OF HOLE  
LAT: 32.065150  
LON: 103.447972  
N: 388564.01  
E: 815599.43

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

**OPERATOR CERTIFICATION**

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Rebecca Deal* 7/19/2021  
Signature Date

Rebecca Deal, Regulatory Specialist  
Printed Name

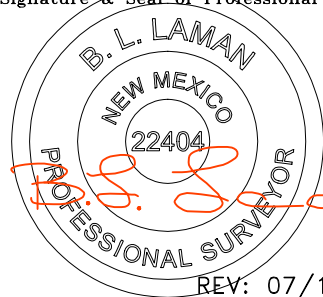
rebecca.deal@dmv.com  
E-mail Address

**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 and correct to the best of my belief.

06/23/2021  
Date of Survey

Signature & Seal of Professional Surveyor



REV: 07/14/21

Certificate No. 22404 B.L. LAMAN  
DRAWN BY: JP

Intent ☐ As Drilled ☐

|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

## Kick Off Point (KOP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

## First Take Point (FTP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

## Last Take Point (LTP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

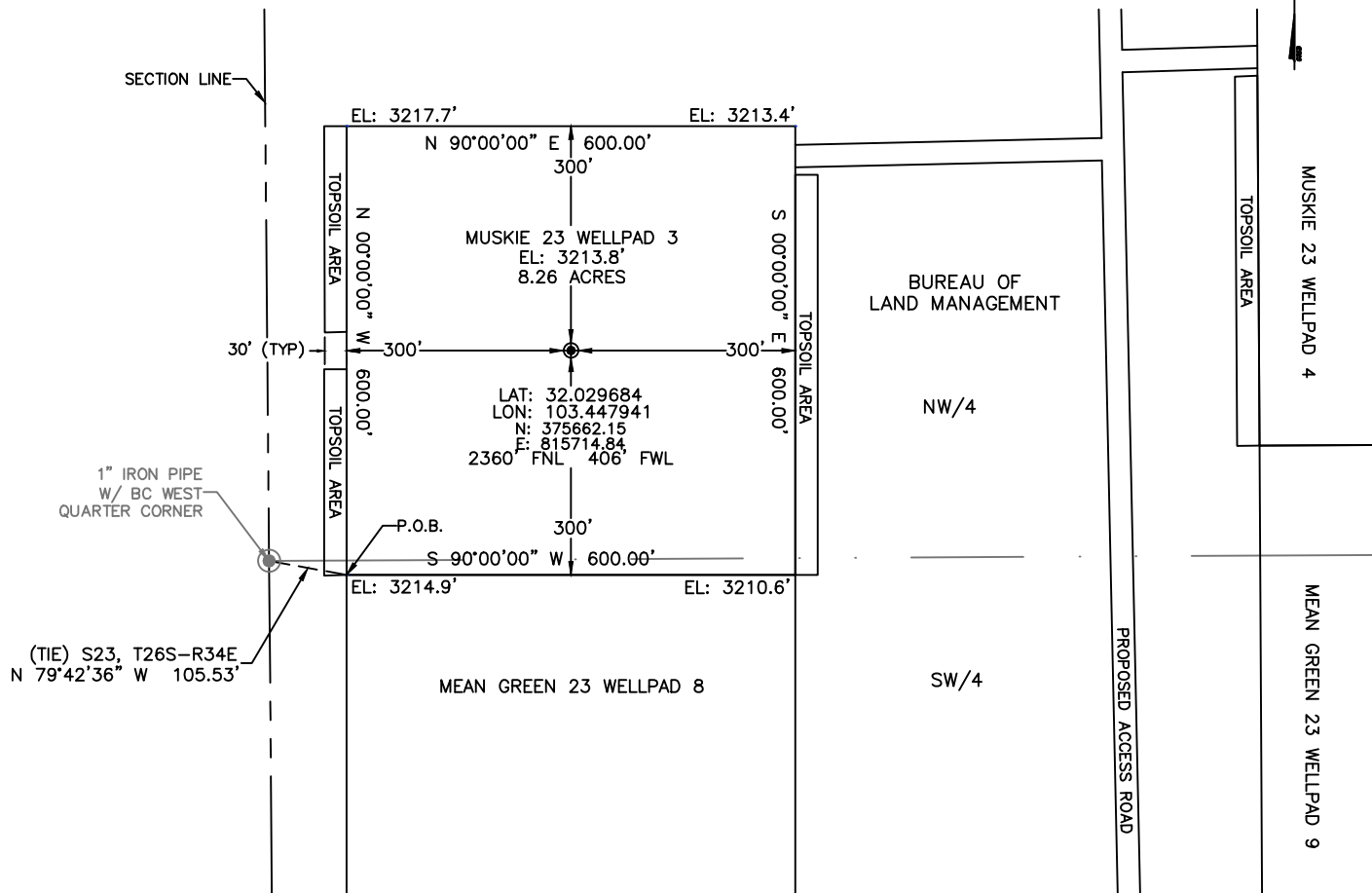
|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

KZ 06/29/2018

# MUSKIE 23 WELLPAD 3

DEVON ENERGY PRODUCTION COMPANY, L.P.

IN THE NORTHWEST QUARTER (NW/4) AND THE SOUTHWEST QUARTER (SW/4)  
SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, NEW MEXICO



## DESCRIPTION

BEING A SURFACE SITE EASEMENT LYING IN THE NORTHWEST QUARTER (NW/4) AND THE SOUTHWEST QUARTER (SW/4) OF SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST N.M.P.M., LEA COUNTY, NEW MEXICO.

BEGINNING AT THE SOUTHWEST CORNER OF SAID SITE EASEMENT, WHERE A 1" IRON PIPE W/BC FOR THE WEST QUARTER CORNER OF SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST N.M.P.M. BEARS N 79°42'36" W, A DISTANCE 105.53';

THENCE N 00°00'00" W, A DISTANCE 600.00 FEET TO THE NORTHWEST CORNER OF THIS EASEMENT;  
THENCE N 90°00'00" E, A DISTANCE 600.00 FEET TO THE NORTHEAST CORNER OF THIS EASEMENT;  
THENCE S 00°00'00" E, A DISTANCE 600.00 FEET TO THE SOUTHEAST CORNER OF THIS EASEMENT;  
THENCE S 90°00'00" W, A DISTANCE 600.00 FEET TO THE SOUTHWEST CORNER OF THIS EASEMENT,  
TO THE POINT OF BEGINNING; CONTAINING 8.264 ACRES.

### DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF J-3 (FRYING PAN ROAD) AND BECKHAM ROAD HEAD WEST FOR 5.37 MILES. TURN RIGHT AND CONTINUE NORTH ON AN EXISTING LEASE ROAD FOR 4.43 MILES. TURN RIGHT ONTO AN EXISTING ACCESS ROAD AND HEAD NORTH FOR 0.67 MILES THROUGH AN EXISTING WELLPAD AND THEN TURN LEFT AND HEAD WEST ON THE SAME ACCESS ROAD FOR 0.91 MILES TO THE BEGINNING OF THE PROPOSED PRIMARY ACCESS ROAD. FOLLOW THE PROPOSED PRIMARY ACCESS ROAD SOUTH AND THE WEST FOR 1.22 MILES TO THE BEGINNING OF A PROPOSED ACCESS ROAD. TURN RIGHT AND FOLLOW THE PROPOSED ACCESS ROAD FOR 425' TO THE NORTHEAST CORNER OF THE PROPOSED MUSKIE 23 WELLPAD 3.

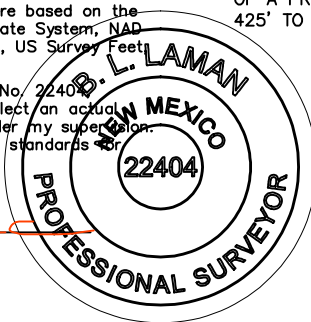
### GENERAL NOTES:

1.) THE INTENT OF THIS SURVEY IS TO ACQUIRE A BUSINESS LEASE FOR THE PURPOSE OF BUILDING A WELLPAD.

2.) All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. Laman  
Horizonrow, LLC  
Date Signed: 02-08-2020  
P.O. Box 548, Dry Creek, La.  
(903) 388-3045 70637  
Employee of Horizonrow, LLC



HORIZON ROW LLC

Drawn for:

devon

Drawn by:  
DANIEL SHOOK

Date: 02/04/2020

DEVON ENERGY PRODUCTION COMPANY, L.P.

MUSKIE 23 WELLPAD 3

SURVEY PLAT SHOWING  
A WELLPAD  
ON THE PROPERTY OF THE  
BUREAU OF LAND MANAGEMENT

SITE NUMBER:  
AA000342619

WBS NUMBER:  
XX-135217.01.SLC

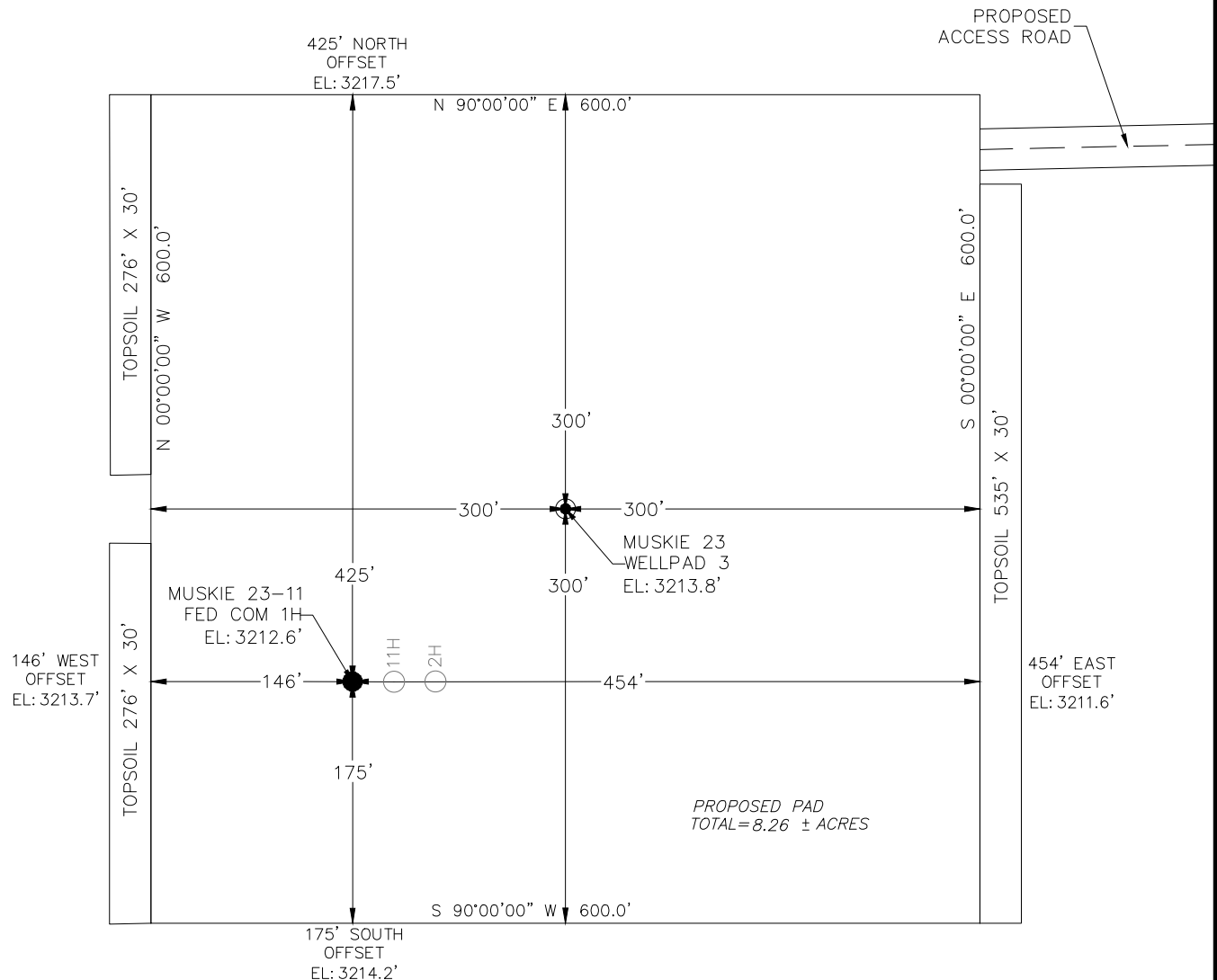
SCALE:  
1" = 250'

REVISIONS:

DATE OF SURVEY:  
7/3/18



# SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO SITE MAP



MUSKIE 23-11 FED COM 1H  
2485' FNL 251' FWL SEC. 23  
EL: 3212.6'  
N: 375537.12  
E: 815560.70

MUSKIE 23-11 FED COM 11H  
2485' FNL 281' FWL SEC. 23  
EL: 3213.1'  
N: 375536.99  
E: 815590.70

MUSKIE 23-11 FED COM 2H  
2485' FNL 311' FWL SEC. 23  
EL: 3212.6'  
N: 375537.12  
E: 815620.70

*Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.*

DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO



## DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF J-3 (FRYING PAN ROAD) AND BECKHAM ROAD HEAD WEST FOR 5.37 MILES. TURN RIGHT AND CONTINUE NORTH ON AN EXISTING LEASE ROAD FOR 4.43 MILES. TURN RIGHT ONTO AN EXISTING ACCESS ROAD AND HEAD NORTH FOR 0.67 MILES THROUGH AN EXISTING WELLPAD AND THEN TURN LEFT AND HEAD WEST ON THE SAME ACCESS ROAD FOR 0.91 MILES TO THE BEGINNING OF THE PROPOSED PRIMARY ACCESS ROAD. FOLLOW THE PROPOSED PRIMARY ACCESS ROAD SOUTH AND THE WEST FOR 1.22 MILES TO THE BEGINNING OF A PROPOSED ACCESS ROAD. TURN RIGHT AND FOLLOW THE PROPOSED ACCESS ROAD FOR 425' TO THE NORTHEAST CORNER OF THE PROPOSED MUSKIE 23 WELLPAD 3.

**HORIZON ROW LLC**

DEVON ENERGY PRODUCTION CO., L.P.

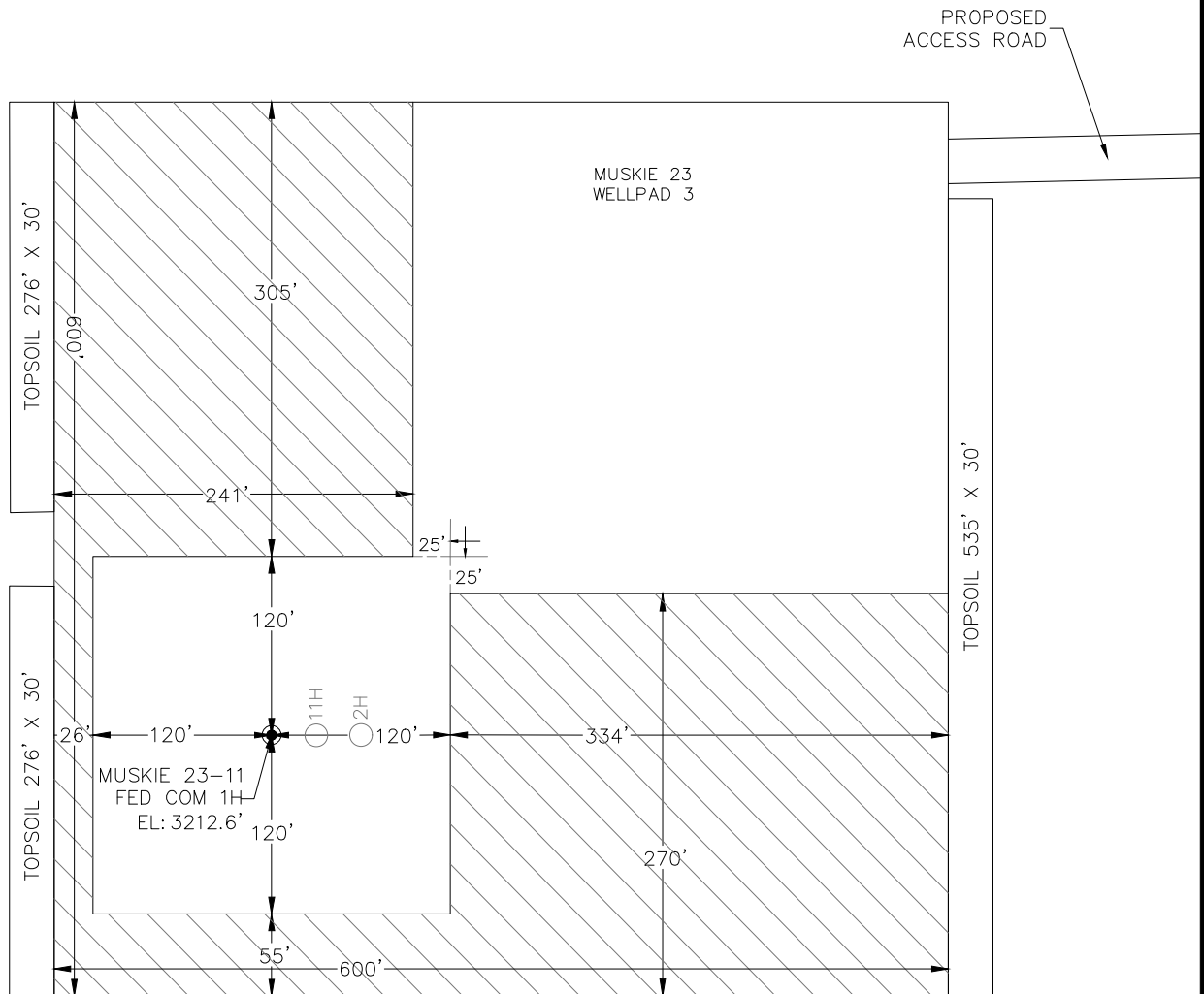
Drawn by:  
JEANNIE PERRY

Date: 06/24/2021  
REV: 7/9/21 CM

Drawn for:



# SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO INTERIM SITE BUILD PLAN

MUSKIE 23-11 FED COM 1H

2485' FNL 251' FWL SEC. 23

EL: 3212.6'

N: 375537.12

E: 815560.70

MUSKIE 23-11 FED COM 11H

2485' FNL 281' FWL SEC. 23

EL: 3213.1'

N: 375536.99

E: 815590.70

MUSKIE 23-11 FED COM 2H

2485' FNL 311' FWL SEC. 23

EL: 3212.6'

N: 375537.12

E: 815620.70

DENOTES INTERIM PAD RECLAMATION AREA

4.03 ± ACRES INTERIM PAD RECLAMATION AREA

4.23 ± ACRES NON-RECLAIMED AREA

8.26 ± ACRES GRADING SITE RECLAMATION AREA



DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

**HORIZON ROW LLC**

DEVON ENERGY PRODUCTION CO., L.P.

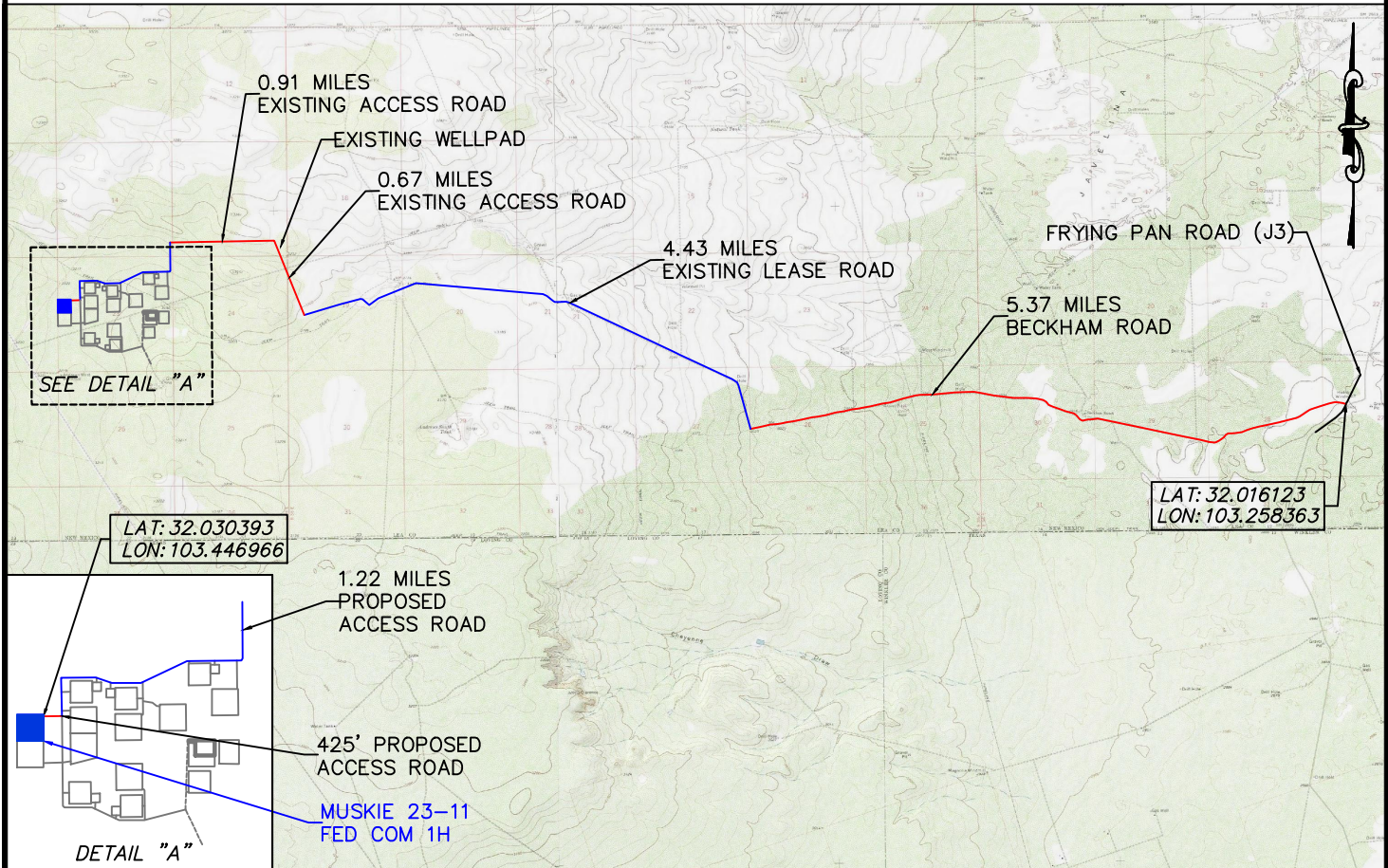
 Drawn by:  
JEANNIE PERRY

 Date: 06/24/2021  
REV: 7/9/21 CM

Drawn for:



# SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO VICINITY MAP



DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

NOT TO SCALE

## DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF J-3 (FRYING PAN ROAD) AND BECKHAM ROAD HEAD WEST FOR 5.37 MILES. TURN RIGHT AND CONTINUE NORTH ON AN EXISTING LEASE ROAD FOR 4.43 MILES. TURN RIGHT ONTO AN EXISTING ACCESS ROAD AND HEAD NORTH FOR 0.67 MILES THROUGH AN EXISTING WELLPAD AND THEN TURN LEFT AND HEAD WEST ON THE SAME ACCESS ROAD FOR 0.91 MILES TO THE BEGINNING OF THE PROPOSED PRIMARY ACCESS ROAD. FOLLOW THE PROPOSED PRIMARY ACCESS ROAD SOUTH AND THE WEST FOR 1.22 MILES TO THE BEGINNING OF A PROPOSED ACCESS ROAD. TURN RIGHT AND FOLLOW THE PROPOSED ACCESS ROAD FOR 425' TO THE NORTHEAST CORNER OF THE PROPOSED MUSKIE 23 WELLPAD 3.

**HORIZON ROW LLC**

DEVON ENERGY PRODUCTION CO., L.P.

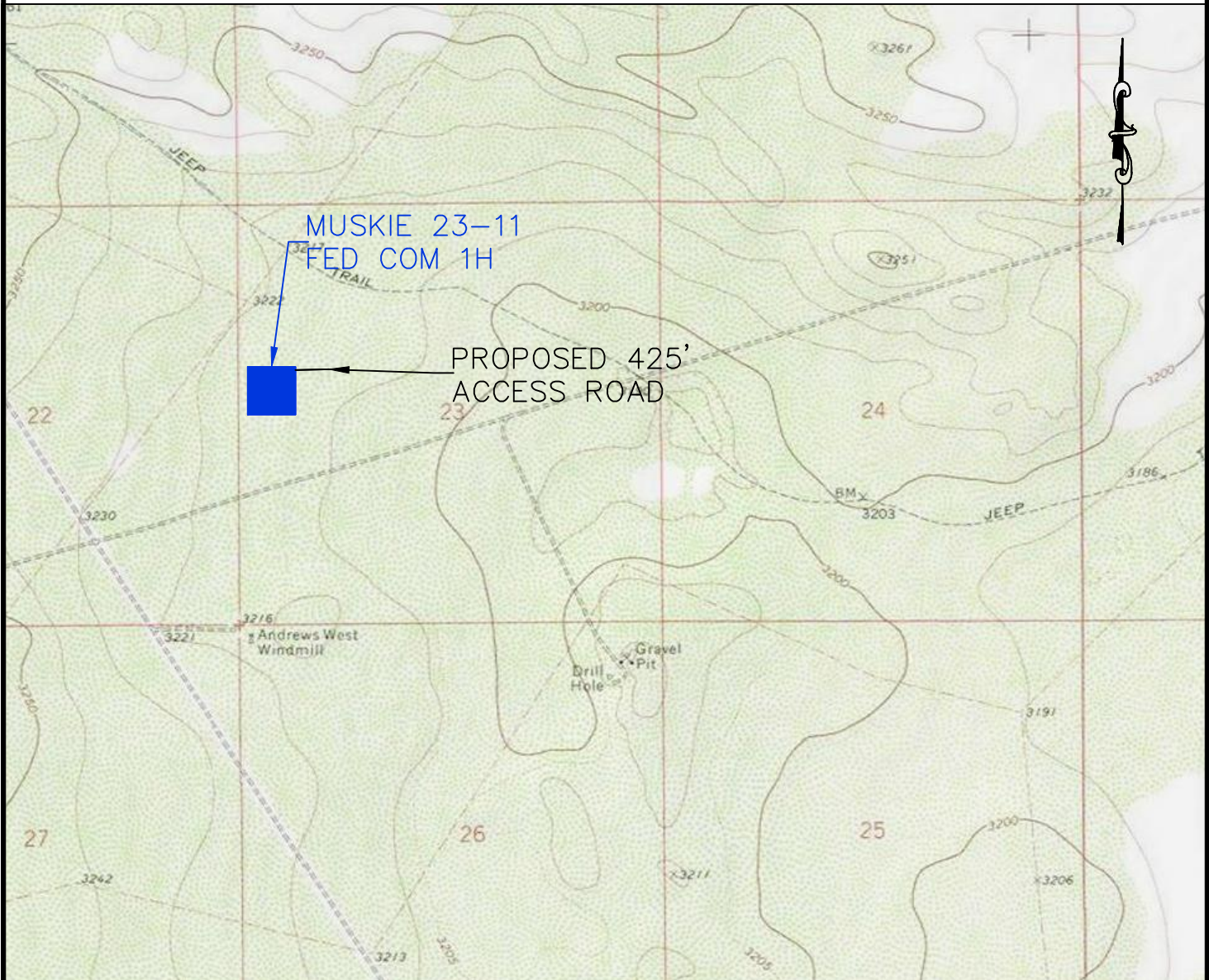
Drawn by:  
JEANNIE PERRY

Date: 06/24/2021  
REV: 7/9/21 CM

Drawn for:

**devon**

SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
LOCATION VERIFICATION MAP



USGS QUAD MAP

DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

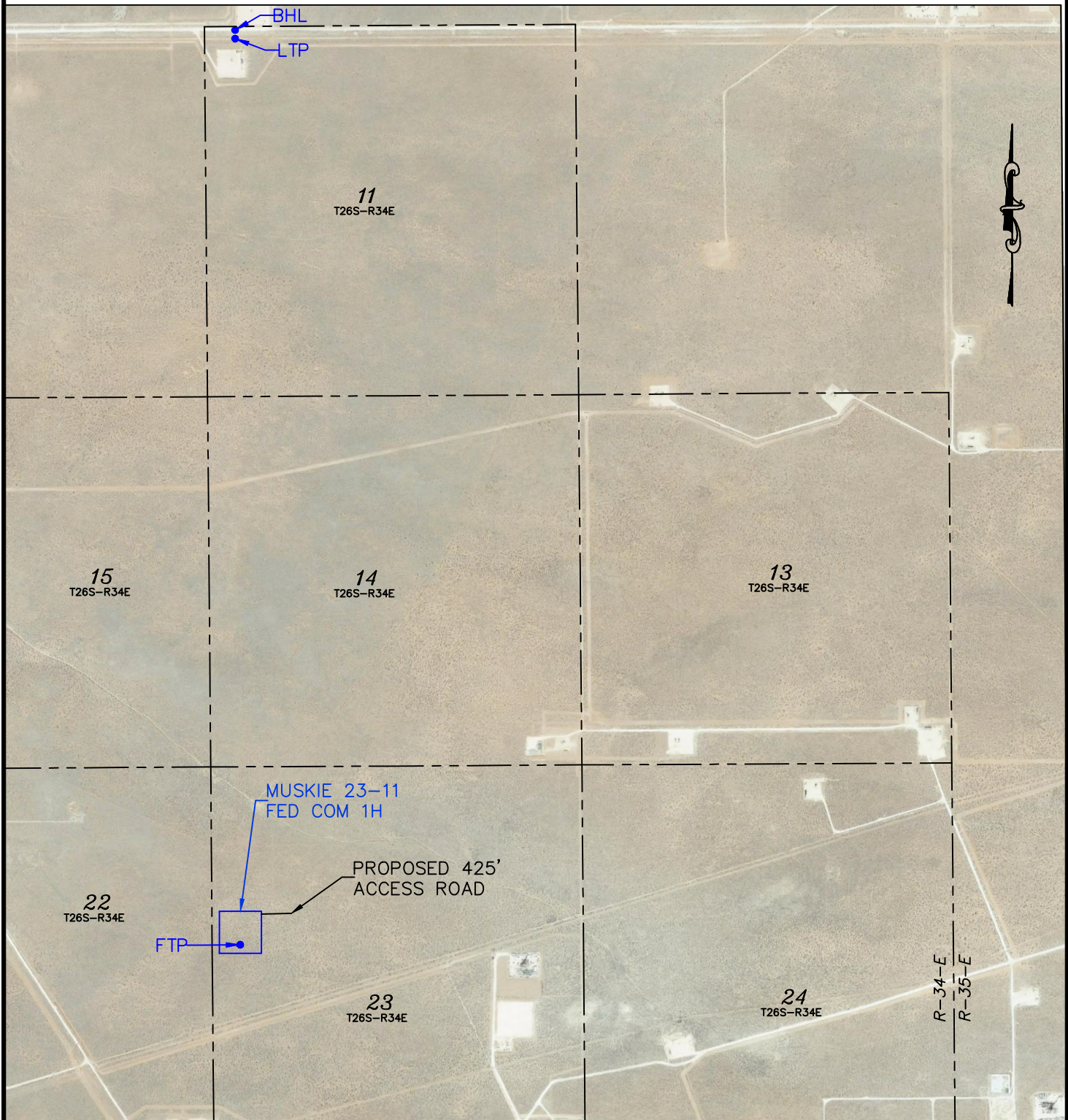
**HORIZON ROW LLC**

Drawn for:

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by:  
JEANNIE PERRYDate: 06/24/2021  
REV: 7/9/21 CM

SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
AERIAL PHOTO



DEVON ENERGY PRODUCTION COMPANY, L.P.

NOT TO SCALE

MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

**HORIZON ROW LLC**

Drawn for:

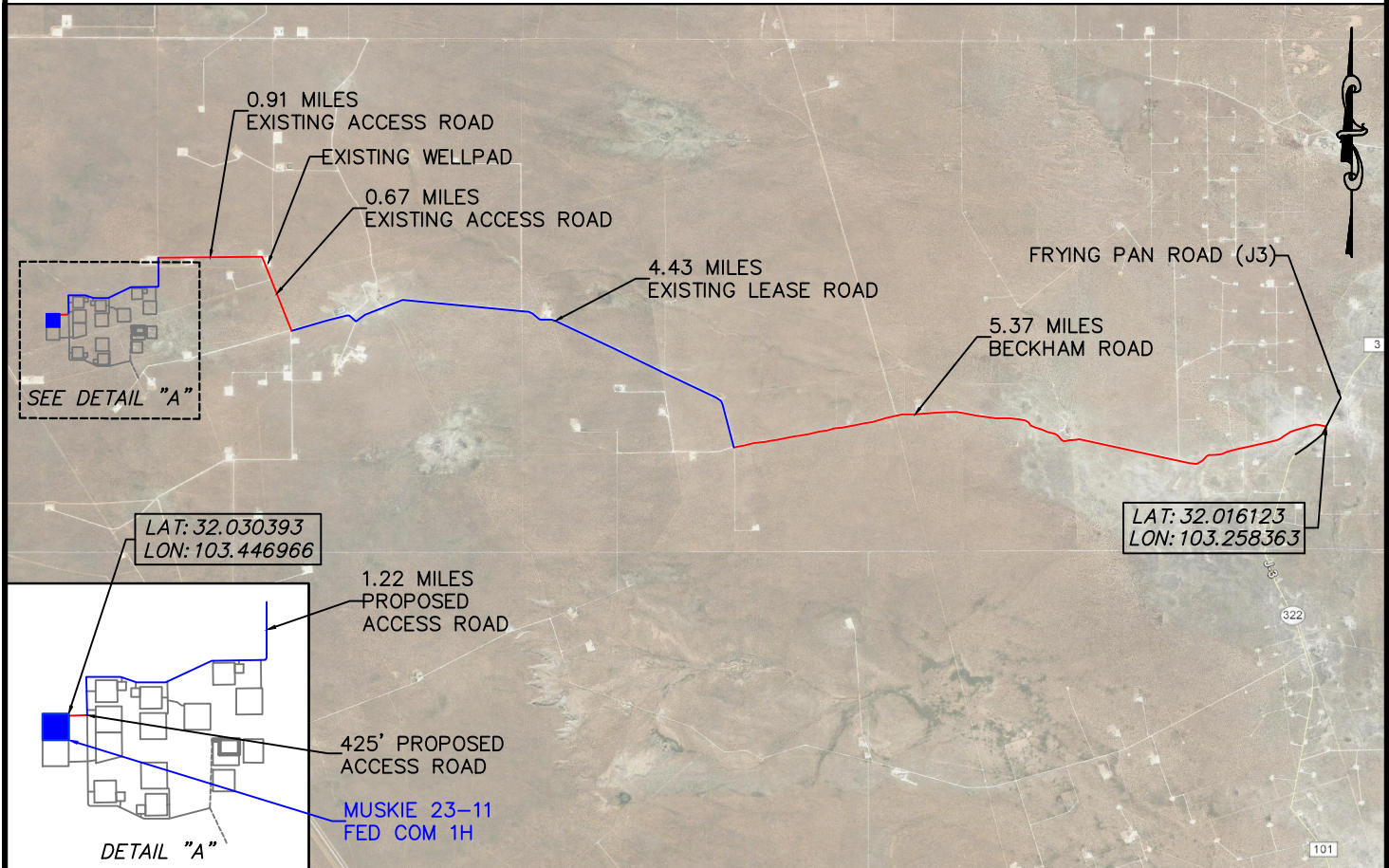
DEVON ENERGY PRODUCTION CO., L.P.

Drawn by:  
JEANNIE PERRY

Date: 06/24/2021  
REV: 7/9/21 CM

**devon**

SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
AERIAL ACCESS ROUTE MAP



DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

NOT TO SCALE

**HORIZON ROW LLC**

DEVON ENERGY PRODUCTION CO., L.P.

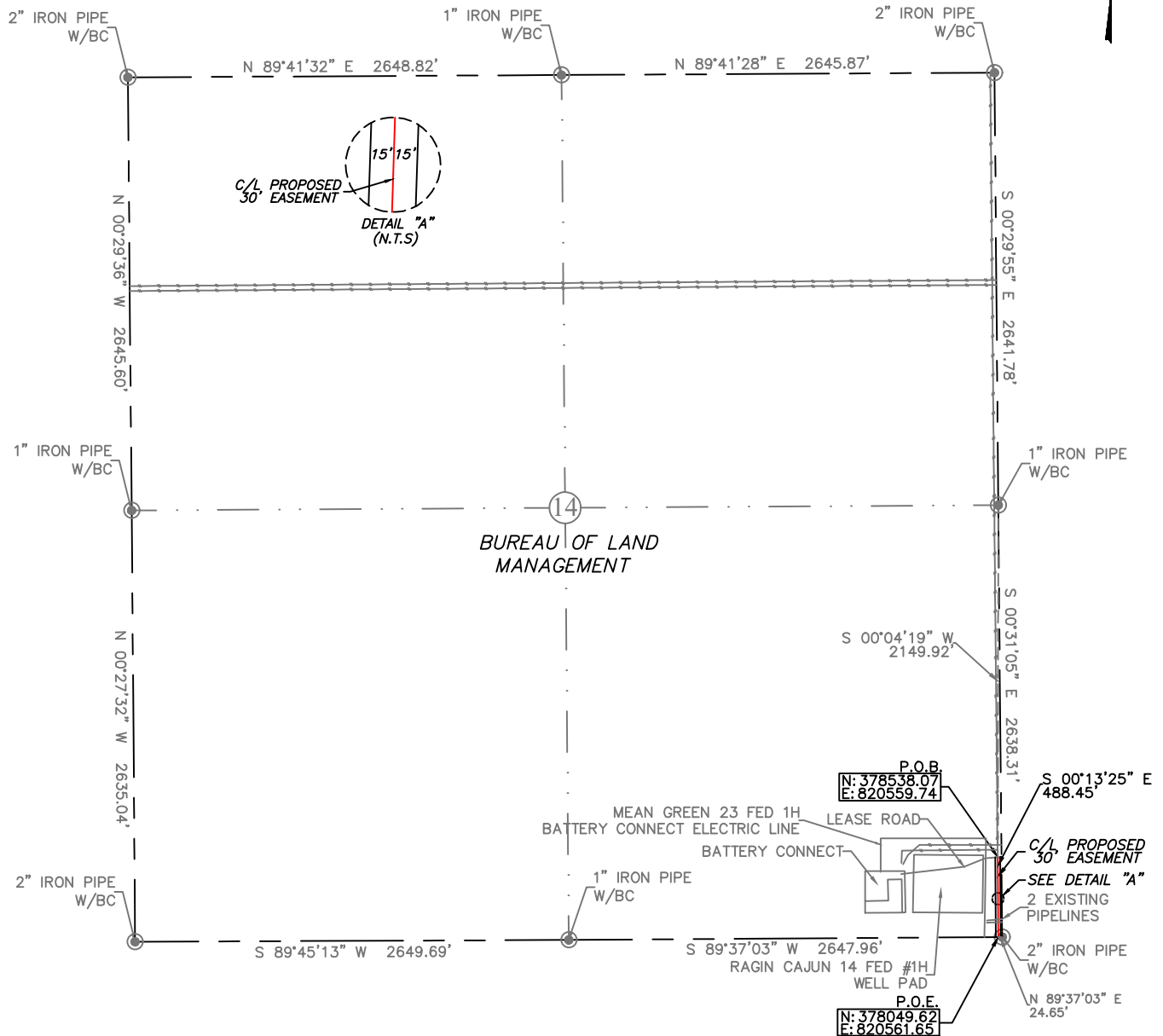
Drawn by:  
JEANNIE PERRY

Date: 06/24/2021  
REV: 7/9/21 CM

Drawn for:

**devon**

EXHIBIT "A"  
PAGE 1 of 7  
ACCESS ROAD PLAT  
SECTION 14, T26S-R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



30' EASEMENT AREA = 0.336 ACRE(S)  
488.45 FEET OR 29.60 RODS

SEE THE ATTACHED LEGAL DESCRIPTION

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

0 1000 2000



**HORIZON ROW LLC**

Drawn for:

**devon**

Drawn by:  
STEVE LONDON

Date: 10/22/2018

DEVON ENERGY PRODUCTION COMPANY, L.P.

MEAN GREEN 23 PRIMARY  
ACCESS ROAD

PROPOSED 30' EASEMENT  
ON THE PROPERTY OF  
BUREAU OF LAND MANAGEMENT  
SECTION 23, T26S-R34E, N.M.P.M.

LINE NUMBER:  
7640235R

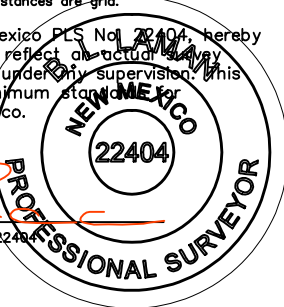
WBS NUMBER:  
XX-129900.01.SLC

SCALE:  
1" = 1000'

REVISIONS:

DATE OF SURVEY:  
10/07/2018

B.L. Laman PLS #22404  
Date Signed: 09-06-2019  
P.P.Box 548, Dry Creek, La.  
(903) 388-3045 70637  
Employee of Horizonrow, LLC



SECTION 14, T26S-R34E, N.M.P.M.,  
LEA COUNTY, NEW MEXICO

ACCESS ROAD PLAT

LEGAL DESCRIPTION

FOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

BUREAU OF LAND MANAGEMENT

30' EASEMENT DESCRIPTION:

**BEING** an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out of the southeast quarter (SE ¼) of Section 14, Township 26 South, Range 34 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by the Bureau of Land Management. Said centerline of easement being more particularly described as follows:

Commencing from a 1" iron pipe w/ BC found for the east quarter corner of Section 14, T26S-R34E, N.M.P.M., Lea County, New Mexico;

Thence S 00°04'19" W a distance of 2149.92' to the **Point of Beginning** of this easement having coordinates of Northing=378538.07, Easting=820559.74 feet and continuing the following course;

Thence S 00°13'25" E a distance of 488.45' to the **Point of Ending** having coordinates of Northing= 378049.62, Easting= 820561.65 feet in the south line of Section 14, T26S-R34E, N.M.P.M., Lea County, New Mexico, from said point a 2" iron pipe w/BC for the southeast corner of Section 14, T26S-R34E, bears N 89°37'03" E a distance of 24.65', covering **488.45' or 29.60 rods** and having an area of **0.336 acre**.

NOTES:

Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

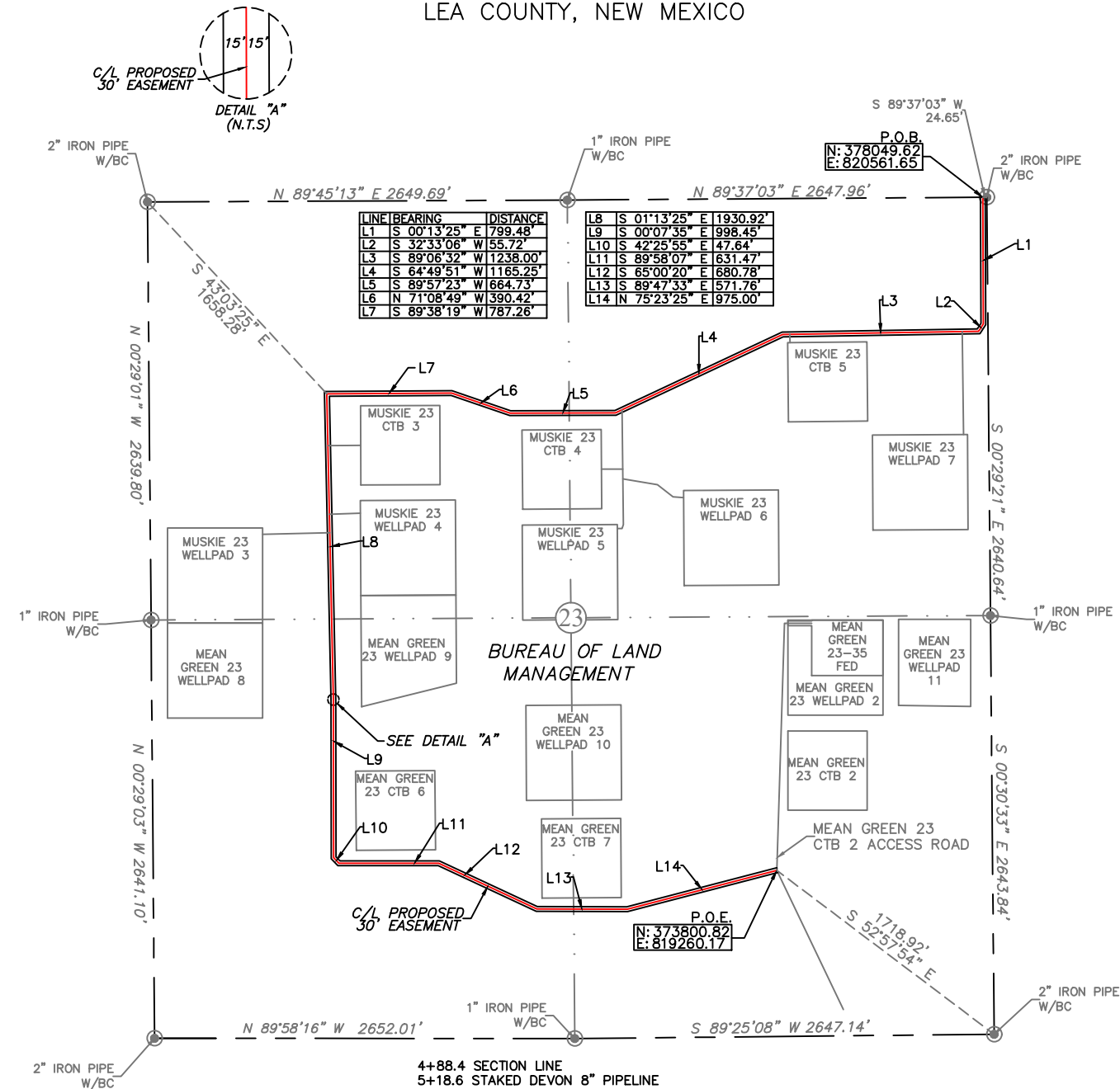
I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.



B.L. Laman PLS# 22404  
Date Signed: 09-06-2019  
Horizon Row, LLC  
P.O. Box 548, Dry Creek, La.  
(903) 388-3045 70637  
Employee of Horizon Row, LLC



EXHIBIT "A"  
PAGE 3 of 7  
ACCESS ROAD PLAT  
SECTION 23, T26S-R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



HORIZON ROW LLC

Drawn for:

devon

Drawn by:  
STEVE LONDON

Date: 10/22/2018

DEVON ENERGY PRODUCTION COMPANY, L.P.

MEAN GREEN 23 PRIMARY  
ACCESS ROAD

PROPOSED 30' EASEMENT

ON THE PROPERTY OF  
BUREAU OF LAND MANAGEMENT  
SECTION 23, T26S-R34E, N.M.P.M.LINE NUMBER:  
7640235RWBS NUMBER:  
XX-129900.01.SLCSCALE:  
1" = 1000'REVISIONS:  
8/1/2019DATE OF SURVEY:  
10/07/2018

B.L. Laman PLS #22404  
 Date Signed: 09-06-2019  
 P.P.Box 548, Dry Creek, La.  
 (903) 388-3045 70637  
 Employee of Horizonrow, LLC

**SECTION 23, T26S-R34E, N.M.P.M.,  
LEA COUNTY, NEW MEXICO**

**ACCESS ROAD PLAT**

**LEGAL DESCRIPTION**

**FOR**

**DEVON ENERGY PRODUCTION COMPANY, L.P.**

**BUREAU OF LAND MANAGEMENT**

**30' EASEMENT DESCRIPTION:**

**BEING** an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out of the northeast quarter (NE  $\frac{1}{4}$ ), northwest quarter (NW  $\frac{1}{4}$ ), southwest quarter (SW  $\frac{1}{4}$ ) and southeast quarter (SE  $\frac{1}{4}$ ) of Section 23, Township 26 South, Range 34 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by the Bureau of Land Management. Said centerline of easement being more particularly described as follows:

Commencing from a 2" iron pipe w/ BC found for the northeast corner of Section 23, T26S-R34E, N.M.P.M., Lea County, New Mexico;

Thence S 89°37'03" W a distance of 24.65' to the **Point of Beginning** of this easement having coordinates of Northing=378049.62, Easting=820561.65 feet and continuing the following courses;

Thence S 00°13'25" E a distance of 799.48' to an angle point;

Thence S 32°33'06" W a distance of 55.72' to an angle point;

Thence S 89°06'32" W a distance of 1238.00' to an angle point;

Thence S 64°49'51" W a distance of 1165.25' to an angle point;

Thence S 89°57'23" W a distance of 664.73' to an angle point;

Thence N 71°08'49" W a distance of 390.42' to an angle point;

Thence S 89°38'19" W a distance of 787.26' to an angle point;

Thence S 01°13'25" E a distance of 1930.92' to an angle point;

Thence S 00°07'35" E a distance of 998.45' to an angle point;

Thence S 42°25'55" E a distance of 47.64' to an angle point;

Thence S 89°58'07" E a distance of 631.47' to an angle point;

Thence S 65°00'20" E a distance of 680.78' to an angle point;

Thence S 89°47'33" E a distance of 571.76' to an angle point;

Thence N 75°23'25" E a distance of 975.00' to the **Point of Ending** having coordinates of Northing= 373800.82, Easting= 819260.17 feet in the southeast quarter of Section 23, T26S-R34E, N.M.P.M., Lea County, New Mexico, from said point a 2" iron pipe w/BC for the southeast corner of Section 23, T26S-R34E, bears S 52°57'54" E a distance of 1718.92', covering **10,936.88' or 662.84 rods** and having an area of **7.534 acre**.

**NOTES:**

Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

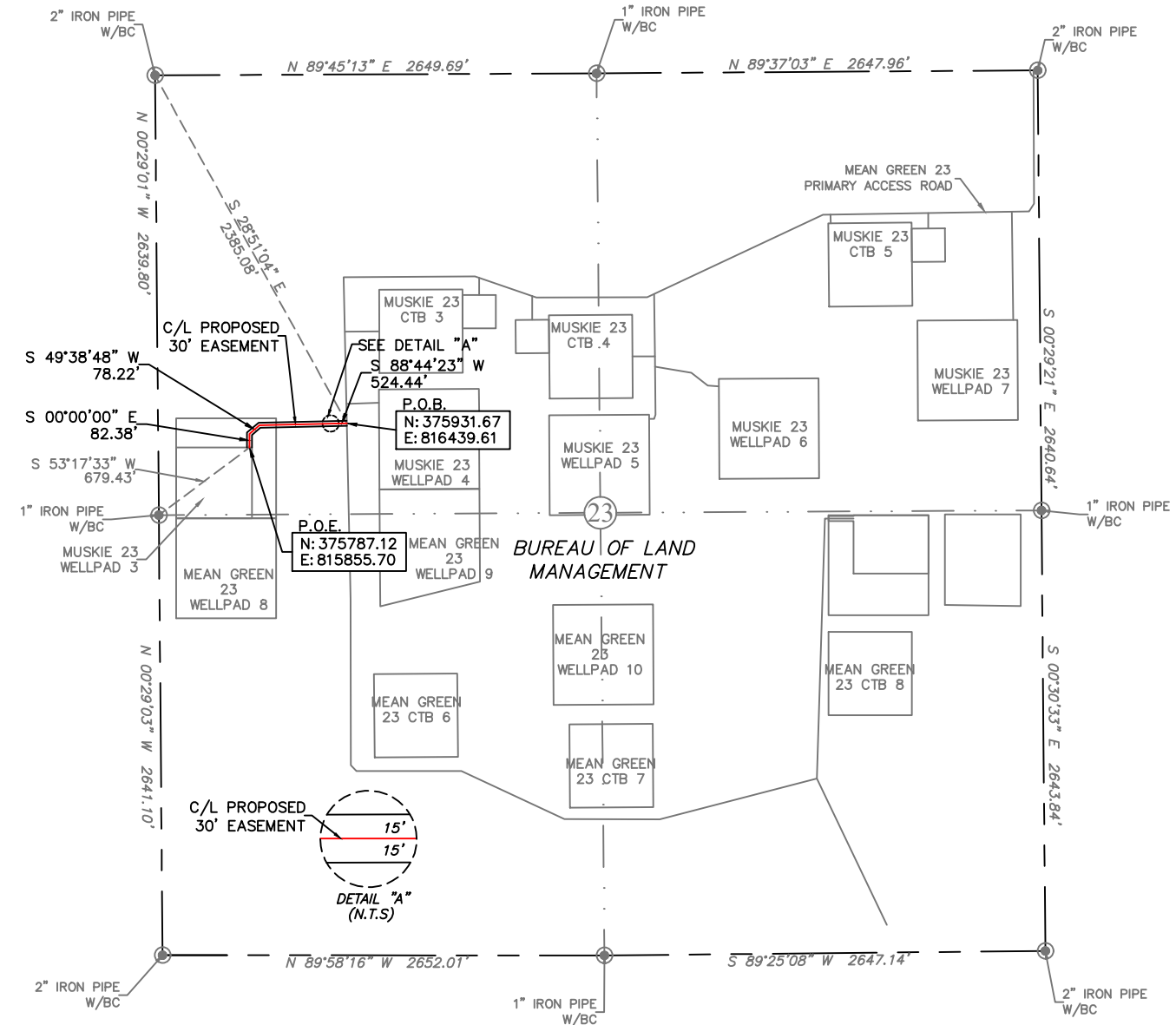
I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.



B.L. Laman      PLS# 22404  
Date Signed: 09-06-2019  
Horizon Row, LLC  
P.O. Box 548, Dry Creek, La.  
(903) 388-3045      70637  
Employee of Horizon Row, LLC



EXHIBIT "A"  
ACCESS ROAD PLAT  
SECTION 23, T26S-R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



30' EASEMENT AREA = 0.472 ACRE(S)  
685.04 FEET OR 41.52 RODS

SEE THE ATTACHED LEGAL DESCRIPTION

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

0+0.0 P.O.B./MEAN GREEN 23 PRIMARY ACCESS ROAD  
4+24.9 ENTER MUSKIE 23 WELLPAD 3  
6+85.0 P.O.E./NORTHEAST CORNER OF SUBPAD

0 1000 2000



**HORIZON ROW LLC**

Drawn for:

**devon**

Drawn by:  
CHRIS MAAS

Date: 01/30/2020

DEVON ENERGY PRODUCTION COMPANY, L.P.

MUSKIE 23 WELLPAD 3  
ACCESS ROAD

PROPOSED 30' EASEMENT  
ON THE PROPERTY OF  
BUREAU OF LAND MANAGEMENT  
SECTION 23, T26S-R34E, N.M.P.M.

LINE NUMBER:  
7640316R

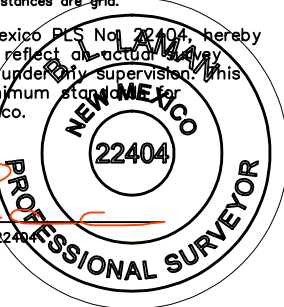
WBS NUMBER:  
XX-135232.01.SLC

SCALE:  
1" = 1000'

REVISIONS:

DATE OF SURVEY:  
10/07/2018

B.L. Laman PLS #22404  
Date Signed: 02-05-2020  
P.O.Box 548, Dry Creek, La.  
(903) 388-3045 70637  
Employee of Horizonrow, LLC



**SECTION 23, T26S-R34E, N.M.P.M.,  
LEA COUNTY, NEW MEXICO**

**ACCESS ROAD PLAT**

**LEGAL DESCRIPTION**

**FOR**

**DEVON ENERGY PRODUCTION COMPANY, L.P.**

**BUREAU OF LAND MANAGEMENT**

**30' EASEMENT DESCRIPTION:**

**BEING** an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out of the northwest quarter (NW ¼) of Section 23, Township 26 South, Range 34 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by the Bureau of Land Management. Said centerline of easement being more particularly described as follows:

Commencing from a 2" iron pipe w/ BC found for the northwest corner of Section 23;

Thence S 28°51'04" E a distance of 2385.08' to the **Point of Beginning** of this easement having coordinates of Northing=375931.67, Easting=816439.61 feet and continuing the following courses;

Thence S 88°44'23" W a distance of 524.44' to an angle point;

Thence S 49°38'48" W a distance of 78.22' to an angle point;

Thence S 00°00'00" E a distance of 82.38' to the **Point of Ending** having coordinates of Northing=375787.12, Easting= 815855.70 feet from said point a 1" iron pipe w/BC for the west quarter corner of Section 23, T26S-R34E, bears S 53°17'33" W a distance of 679.43', covering **685.04' or 41.52 rods** and having an area of **0.472 acre**.

**NOTES:**

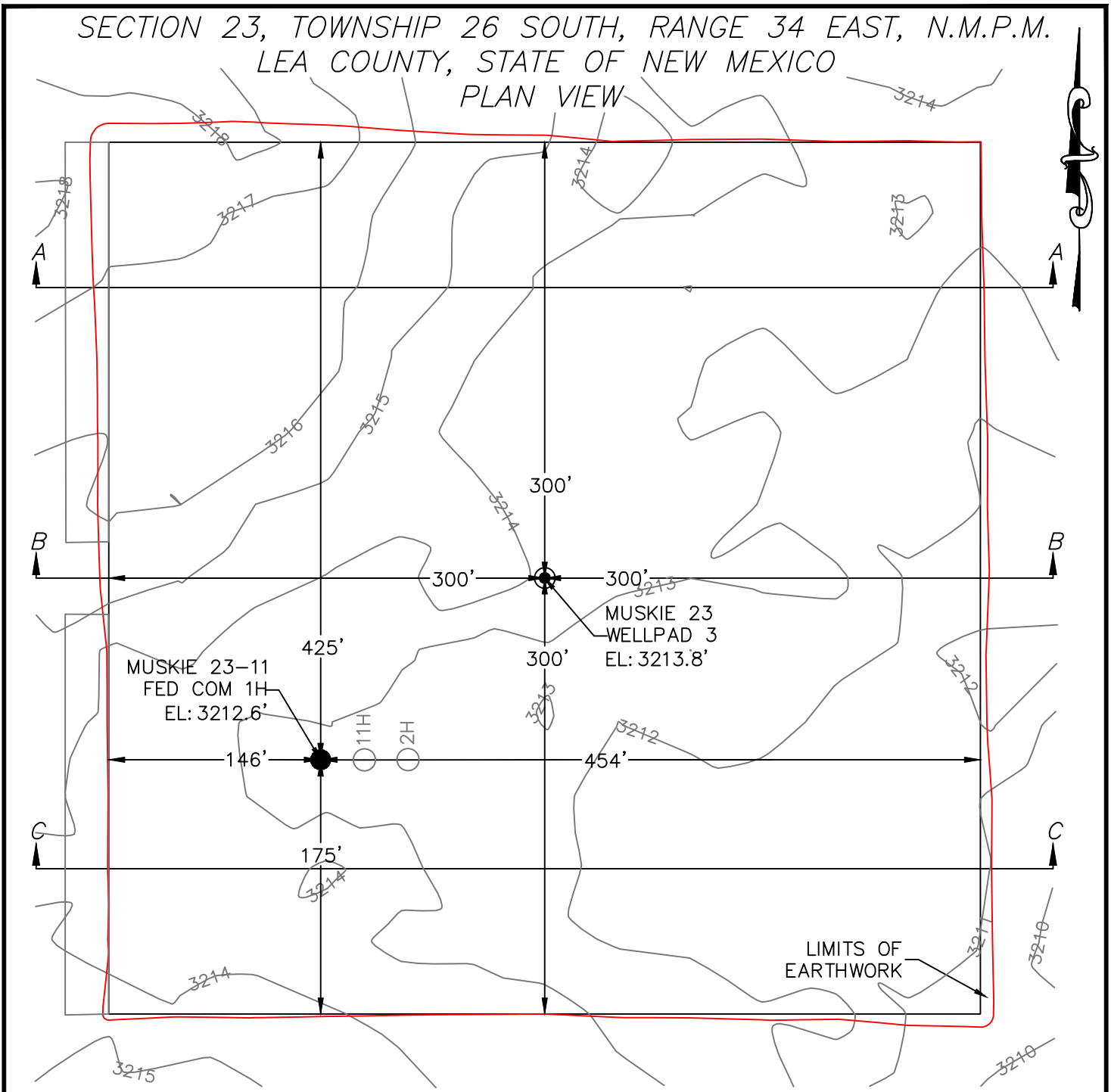
Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

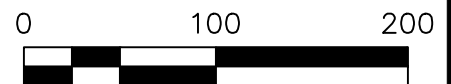
  
B.L. Laman PLS# 22404  
Date Signed: 02-05-2020  
Horizon Row, LLC  
P.O. Box 548, Dry Creek, La.  
(903) 388-3045 70637  
Employee of Horizon Row, LLC



SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
PLAN VIEW



DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO



EARTHWORK QUANTITIES FOR  
MUSKIE 23 WELLPAD 3

| CUT      | FILL     | NET  |
|----------|----------|------|
| 7.956 CY | 7,955 CY | 1 CY |

EARTHWORK QUANTITIES ARE ESTIMATED

**HORIZON ROW LLC**

DEVON ENERGY PRODUCTION CO., L.P.

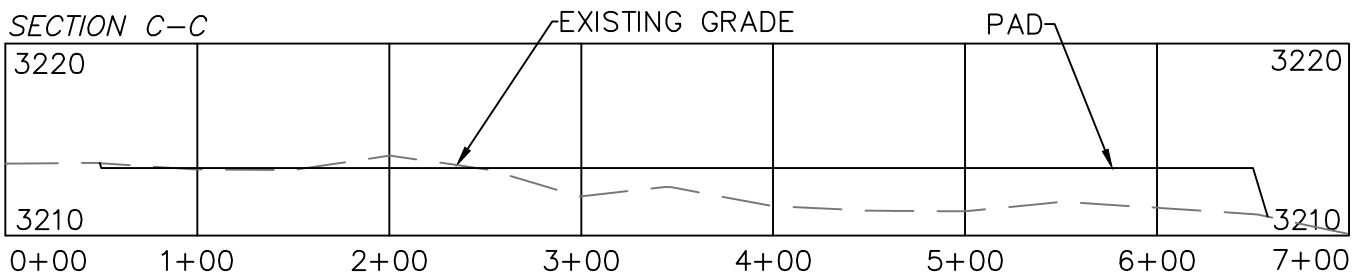
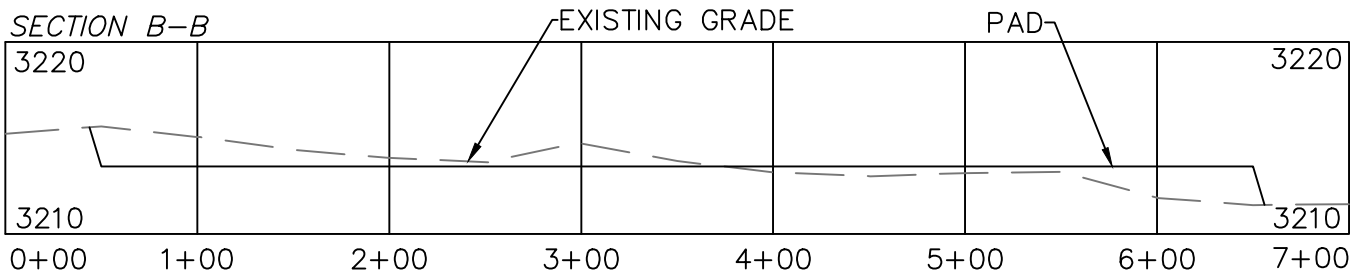
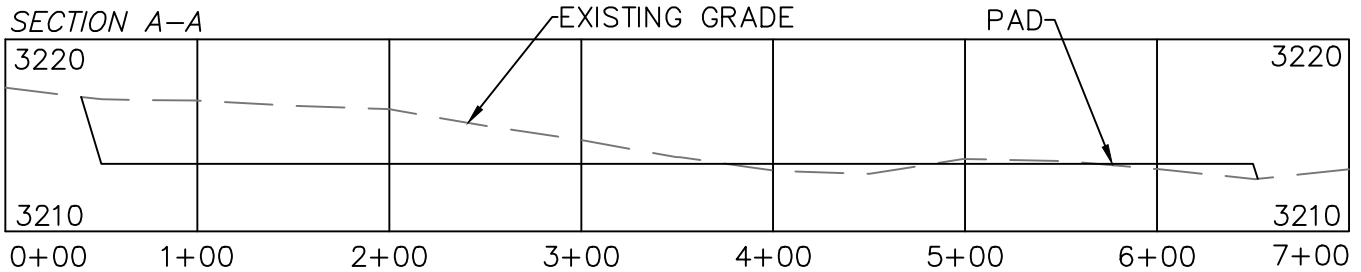
Drawn by:  
JEANNIE PERRY

Date: 06/24/2021  
REV: 7/9/21 CM

Drawn for:



SECTION 23, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
CROSS SECTIONS



DEVON ENERGY PRODUCTION COMPANY, L.P.  
MUSKIE 23-11 FED COM 1H  
LOCATED 2485 FT. FROM THE NORTH LINE  
AND 251 FT. FROM THE WEST LINE OF  
SECTION 23, TOWNSHIP 26 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

SCALE 1" = 100' HORIZONTAL  
SCALE 1" = 10' VERTICAL

EARTHWORK QUANTITIES FOR  
MUSKIE 23 WELLPAD 3

| CUT      | FILL     | NET  |
|----------|----------|------|
| 7,956 CY | 7,955 CY | 1 CY |

EARTHWORK QUANTITIES ARE ESTIMATED

**HORIZON ROW LLC**

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by:  
JEANNIE PERRY

Date: 06/24/2021  
REV: 7/9/21 CM

Drawn for:



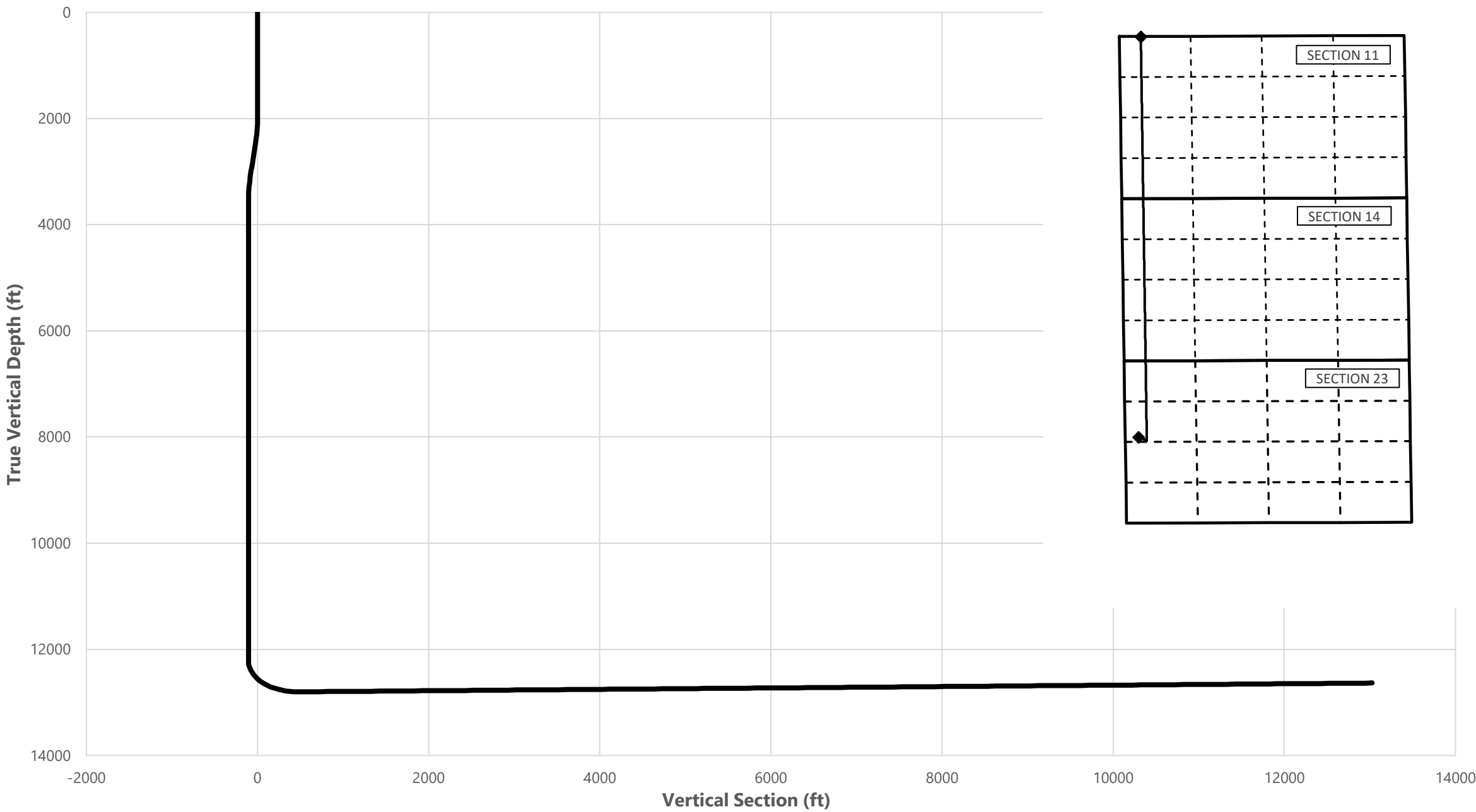
Muskie 23-11 Fed Com 1H



**Well:** Muskie 23-11 Fed Com 1H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

**Geodetic System:** US State Plane 1983  
**Datum:** North American Datum 1927  
**Ellipsoid:** Clarke 1866  
**Zone:** 3001 - NM East (NAD83)

| MD<br>(ft) | INC<br>(°) | AZI<br>(°) | TVD<br>(ft) | NS<br>(ft) | EW<br>(ft) | VS<br>(ft) | DLS<br>(°/100ft) | Comment          |
|------------|------------|------------|-------------|------------|------------|------------|------------------|------------------|
| 0.00       | 0.00       | 0.00       | 0.00        | 0.00       | 0.00       | 0.00       | 0.00             | SHL              |
| 2000.00    | 0.00       | 125.00     | 2000.00     | 0.00       | 0.00       | 0.00       | 0.00             | Start Tangent    |
| 2500.00    | 10.00      | 125.00     | 2497.47     | -24.96     | 35.65      | -24.86     | 2.00             | Hold Tangent     |
| 3052.51    | 10.00      | 125.00     | 3041.58     | -79.99     | 114.24     | -79.65     | 0.00             | Drop to Vertical |
| 3552.51    | 0.00       | 125.00     | 3539.05     | -104.96    | 149.89     | -104.51    | 2.00             | Hold Vertical    |
| 12240.55   | 0.00       | 359.52     | 12227.09    | -104.96    | 149.89     | -104.51    | 0.00             | KOP              |
| 13148.09   | 90.75      | 359.52     | 12800.00    | 475.51     | 144.98     | 475.94     | 10.00            | Landing Point    |
| 25701.00   | 90.75      | 359.52     | 12635.00    | 13026.89   | 38.73      | 13026.95   | 0.00             | BHL              |



| Key Depths                      | MD<br>(ft) | TVD<br>(ft) |
|---------------------------------|------------|-------------|
| Rustler                         | 890.00     | 890.00      |
| Salt                            | 1250.00    | 1250.00     |
| Base of Salt                    | 5013.46    | 5000.00     |
| Delaware                        | 5313.46    | 5300.00     |
| Cherry Canyon                   | 6348.46    | 6335.00     |
| Brushy Canyon                   | 7988.46    | 7975.00     |
| 1st Bone Spring Lime            | 9418.46    | 9405.00     |
| Bone Spring 1st                 | 10583.46   | 10570.00    |
| Bone Spring 2nd                 | 11133.46   | 11120.00    |
| 3rd Bone Spring Lime            | 11588.46   | 11575.00    |
| Bone Spring 3rd                 | 12188.46   | 12175.00    |
| Wolfcamp / Point of Penetration | 12640.06   | 12595.00    |
| EXIT                            | 25621.00   | 12636.07    |

**SHL**  
**KOP**  
**Point of Penetration**  
**Exit**  
**BHL**

| MD<br>(ft) | TVD<br>(ft) | Lat<br>(°) | Long<br>(°) | Section Footages                            |
|------------|-------------|------------|-------------|---------------------------------------------|
| 0.00       | 0.00        | 32.0293    | -103.4485   | 2485' FNL, 251' FWL of Sec 23 in T26S, R34E |
| 12240.55   | 12227.09    | 32.0290    | -103.4480   | 2591' FNL, 400' FWL of Sec 23 in T26S, R34E |
| 12640.06   | 12595.00    | 32.0292    | -103.4480   | 2539' FNL, 400' FWL of Sec 23 in T26S, R34E |
| 25621.00   | 12636.07    | 32.0649    | -103.4480   | 100' FNL, 400' FWL of Sec 11 in T26S, R34E  |
| 25701.00   | 12635.00    | 32.0651    | -103.4481   | 20' FNL, 400' FWL of Sec 11 in T26S, R34E   |

Muskie 23-11 Fed Com 1H



**Well:** Muskie 23-11 Fed Com 1H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

**Geodetic System:** US State Plane 1983  
**Datum:** North American Datum 1927  
**Ellipsoid:** Clarke 1866  
**Zone:** 3001 - NM East (NAD83)

| MD      | INC   | AZI    | TVD     | NS      | EW     | VS      | DLS       | Comment          |
|---------|-------|--------|---------|---------|--------|---------|-----------|------------------|
| (ft)    | (°)   | (°)    | (ft)    | (ft)    | (ft)   | (ft)    | (°/100ft) |                  |
| 0.00    | 0.00  | 0.00   | 0.00    | 0.00    | 0.00   | 0.00    | 0.00      | SHL              |
| 100.00  | 0.00  | 125.00 | 100.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 200.00  | 0.00  | 125.00 | 200.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 300.00  | 0.00  | 125.00 | 300.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 400.00  | 0.00  | 125.00 | 400.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 500.00  | 0.00  | 125.00 | 500.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 600.00  | 0.00  | 125.00 | 600.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 700.00  | 0.00  | 125.00 | 700.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 800.00  | 0.00  | 125.00 | 800.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 890.00  | 0.00  | 125.00 | 890.00  | 0.00    | 0.00   | 0.00    | 0.00      | Rustler          |
| 900.00  | 0.00  | 125.00 | 900.00  | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1000.00 | 0.00  | 125.00 | 1000.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1100.00 | 0.00  | 125.00 | 1100.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1200.00 | 0.00  | 125.00 | 1200.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1250.00 | 0.00  | 125.00 | 1250.00 | 0.00    | 0.00   | 0.00    | 0.00      | Salt             |
| 1300.00 | 0.00  | 125.00 | 1300.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1400.00 | 0.00  | 125.00 | 1400.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1500.00 | 0.00  | 125.00 | 1500.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1600.00 | 0.00  | 125.00 | 1600.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1700.00 | 0.00  | 125.00 | 1700.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1800.00 | 0.00  | 125.00 | 1800.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 1900.00 | 0.00  | 125.00 | 1900.00 | 0.00    | 0.00   | 0.00    | 0.00      |                  |
| 2000.00 | 0.00  | 125.00 | 2000.00 | 0.00    | 0.00   | 0.00    | 0.00      | Start Tangent    |
| 2100.00 | 2.00  | 125.00 | 2099.98 | -1.00   | 1.43   | -1.00   | 2.00      |                  |
| 2200.00 | 4.00  | 125.00 | 2199.84 | -4.00   | 5.72   | -3.99   | 2.00      |                  |
| 2300.00 | 6.00  | 125.00 | 2299.45 | -9.00   | 12.86  | -8.96   | 2.00      |                  |
| 2400.00 | 8.00  | 125.00 | 2398.70 | -15.99  | 22.84  | -15.92  | 2.00      |                  |
| 2500.00 | 10.00 | 125.00 | 2497.47 | -24.96  | 35.65  | -24.86  | 2.00      | Hold Tangent     |
| 2600.00 | 10.00 | 125.00 | 2595.95 | -34.92  | 49.88  | -34.78  | 0.00      |                  |
| 2700.00 | 10.00 | 125.00 | 2694.43 | -44.88  | 64.10  | -44.69  | 0.00      |                  |
| 2800.00 | 10.00 | 125.00 | 2792.91 | -54.84  | 78.32  | -54.61  | 0.00      |                  |
| 2900.00 | 10.00 | 125.00 | 2891.39 | -64.80  | 92.55  | -64.53  | 0.00      |                  |
| 3000.00 | 10.00 | 125.00 | 2989.87 | -74.76  | 106.77 | -74.45  | 0.00      |                  |
| 3052.51 | 10.00 | 125.00 | 3041.58 | -79.99  | 114.24 | -79.65  | 0.00      | Drop to Vertical |
| 3100.00 | 9.05  | 125.00 | 3088.42 | -84.50  | 120.68 | -84.14  | 2.00      |                  |
| 3200.00 | 7.05  | 125.00 | 3187.43 | -92.53  | 132.15 | -92.14  | 2.00      |                  |
| 3300.00 | 5.05  | 125.00 | 3286.86 | -98.58  | 140.78 | -98.16  | 2.00      |                  |
| 3400.00 | 3.05  | 125.00 | 3386.61 | -102.63 | 146.57 | -102.19 | 2.00      |                  |
| 3500.00 | 1.05  | 125.00 | 3486.54 | -104.68 | 149.50 | -104.24 | 2.00      |                  |
| 3552.51 | 0.00  | 125.00 | 3539.05 | -104.96 | 149.89 | -104.51 | 2.00      | Hold Vertical    |
| 3600.00 | 0.00  | 359.52 | 3586.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 3700.00 | 0.00  | 359.52 | 3686.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 3800.00 | 0.00  | 359.52 | 3786.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 3900.00 | 0.00  | 359.52 | 3886.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4000.00 | 0.00  | 359.52 | 3986.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4100.00 | 0.00  | 359.52 | 4086.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4200.00 | 0.00  | 359.52 | 4186.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4300.00 | 0.00  | 359.52 | 4286.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4400.00 | 0.00  | 359.52 | 4386.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4500.00 | 0.00  | 359.52 | 4486.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4600.00 | 0.00  | 359.52 | 4586.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4700.00 | 0.00  | 359.52 | 4686.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4800.00 | 0.00  | 359.52 | 4786.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 4900.00 | 0.00  | 359.52 | 4886.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5000.00 | 0.00  | 359.52 | 4986.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5013.46 | 0.00  | 359.52 | 5000.00 | -104.96 | 149.89 | -104.51 | 0.00      | Base of Salt     |
| 5100.00 | 0.00  | 359.52 | 5086.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5200.00 | 0.00  | 359.52 | 5186.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5300.00 | 0.00  | 359.52 | 5286.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5313.46 | 0.00  | 359.52 | 5300.00 | -104.96 | 149.89 | -104.51 | 0.00      | Delaware         |
| 5400.00 | 0.00  | 359.52 | 5386.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5500.00 | 0.00  | 359.52 | 5486.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5600.00 | 0.00  | 359.52 | 5586.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5700.00 | 0.00  | 359.52 | 5686.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5800.00 | 0.00  | 359.52 | 5786.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 5900.00 | 0.00  | 359.52 | 5886.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 6000.00 | 0.00  | 359.52 | 5986.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 6100.00 | 0.00  | 359.52 | 6086.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 6200.00 | 0.00  | 359.52 | 6186.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |
| 6300.00 | 0.00  | 359.52 | 6286.54 | -104.96 | 149.89 | -104.51 | 0.00      |                  |

Muskie 23-11 Fed Com 1H

devon

Well: Muskie 23-11 Fed Com 1H

County: Lea

Wellbore: Permit Plan

Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866

Zone: 3001 - NM East (NAD83)

| MD       | INC   | AZI    | TVD      | NS      | EW     | VS      | DLS       | Comment              |               |
|----------|-------|--------|----------|---------|--------|---------|-----------|----------------------|---------------|
| (ft)     | (°)   | (°)    | (ft)     | (ft)    | (ft)   | (ft)    | (°/100ft) |                      |               |
| 6348.46  | 0.00  | 359.52 | 6335.00  | -104.96 | 149.89 | -104.51 | 0.00      | Cherry Canyon        |               |
| 6400.00  | 0.00  | 359.52 | 6386.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 6500.00  | 0.00  | 359.52 | 6486.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 6600.00  | 0.00  | 359.52 | 6586.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 6700.00  | 0.00  | 359.52 | 6686.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 6800.00  | 0.00  | 359.52 | 6786.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 6900.00  | 0.00  | 359.52 | 6886.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7000.00  | 0.00  | 359.52 | 6986.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7100.00  | 0.00  | 359.52 | 7086.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7200.00  | 0.00  | 359.52 | 7186.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7300.00  | 0.00  | 359.52 | 7286.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7400.00  | 0.00  | 359.52 | 7386.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7500.00  | 0.00  | 359.52 | 7486.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7600.00  | 0.00  | 359.52 | 7586.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7700.00  | 0.00  | 359.52 | 7686.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7800.00  | 0.00  | 359.52 | 7786.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7900.00  | 0.00  | 359.52 | 7886.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 7988.46  | 0.00  | 359.52 | 7975.00  | -104.96 | 149.89 | -104.51 | 0.00      |                      | Brushy Canyon |
| 8000.00  | 0.00  | 359.52 | 7986.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8100.00  | 0.00  | 359.52 | 8086.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8200.00  | 0.00  | 359.52 | 8186.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8300.00  | 0.00  | 359.52 | 8286.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8400.00  | 0.00  | 359.52 | 8386.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8500.00  | 0.00  | 359.52 | 8486.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8600.00  | 0.00  | 359.52 | 8586.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8700.00  | 0.00  | 359.52 | 8686.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8800.00  | 0.00  | 359.52 | 8786.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 8900.00  | 0.00  | 359.52 | 8886.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9000.00  | 0.00  | 359.52 | 8986.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9100.00  | 0.00  | 359.52 | 9086.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9200.00  | 0.00  | 359.52 | 9186.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9300.00  | 0.00  | 359.52 | 9286.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9400.00  | 0.00  | 359.52 | 9386.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9418.46  | 0.00  | 359.52 | 9405.00  | -104.96 | 149.89 | -104.51 | 0.00      | 1st Bone Spring Lime |               |
| 9500.00  | 0.00  | 359.52 | 9486.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9600.00  | 0.00  | 359.52 | 9586.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9700.00  | 0.00  | 359.52 | 9686.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9800.00  | 0.00  | 359.52 | 9786.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 9900.00  | 0.00  | 359.52 | 9886.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10000.00 | 0.00  | 359.52 | 9986.54  | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10100.00 | 0.00  | 359.52 | 10086.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10200.00 | 0.00  | 359.52 | 10186.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10300.00 | 0.00  | 359.52 | 10286.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10400.00 | 0.00  | 359.52 | 10386.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10500.00 | 0.00  | 359.52 | 10486.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10583.46 | 0.00  | 359.52 | 10570.00 | -104.96 | 149.89 | -104.51 | 0.00      | Bone Spring 1st      |               |
| 10600.00 | 0.00  | 359.52 | 10586.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10700.00 | 0.00  | 359.52 | 10686.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10800.00 | 0.00  | 359.52 | 10786.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 10900.00 | 0.00  | 359.52 | 10886.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11000.00 | 0.00  | 359.52 | 10986.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11100.00 | 0.00  | 359.52 | 11086.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11133.46 | 0.00  | 359.52 | 11120.00 | -104.96 | 149.89 | -104.51 | 0.00      | Bone Spring 2nd      |               |
| 11200.00 | 0.00  | 359.52 | 11186.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11300.00 | 0.00  | 359.52 | 11286.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11400.00 | 0.00  | 359.52 | 11386.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11500.00 | 0.00  | 359.52 | 11486.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11588.46 | 0.00  | 359.52 | 11575.00 | -104.96 | 149.89 | -104.51 | 0.00      | 3rd Bone Spring Lime |               |
| 11600.00 | 0.00  | 359.52 | 11586.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11700.00 | 0.00  | 359.52 | 11686.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11800.00 | 0.00  | 359.52 | 11786.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 11900.00 | 0.00  | 359.52 | 11886.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 12000.00 | 0.00  | 359.52 | 11986.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 12100.00 | 0.00  | 359.52 | 12086.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 12188.46 | 0.00  | 359.52 | 12175.00 | -104.96 | 149.89 | -104.51 | 0.00      | Bone Spring 3rd      |               |
| 12200.00 | 0.00  | 359.52 | 12186.54 | -104.96 | 149.89 | -104.51 | 0.00      |                      |               |
| 12240.55 | 0.00  | 359.52 | 12227.09 | -104.96 | 149.89 | -104.51 | 0.00      | KOP                  |               |
| 12300.00 | 5.94  | 359.52 | 12286.43 | -101.88 | 149.87 | -101.43 | 10.00     |                      |               |
| 12400.00 | 15.94 | 359.52 | 12384.49 | -82.92  | 149.71 | -82.47  | 10.00     |                      |               |
| 12500.00 | 25.94 | 359.52 | 12477.76 | -47.22  | 149.41 | -46.77  | 10.00     |                      |               |

Muskie 23-11 Fed Com 1H

devon

Well: Muskie 23-11 Fed Com 1H

County: Lea

Wellbore: Permit Plan

Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866

Zone: 3001 - NM East (NAD83)

| MD       | INC   | AZI    | TVD      | NS      | EW     | VS      | DLS       | Comment                         |
|----------|-------|--------|----------|---------|--------|---------|-----------|---------------------------------|
| (ft)     | (°)   | (°)    | (ft)     | (ft)    | (ft)   | (ft)    | (°/100ft) |                                 |
| 12600.00 | 35.94 | 359.52 | 12563.42 | 4.14    | 148.97 | 4.58    | 10.00     | Wolfcamp / Point of Penetration |
| 12640.06 | 39.95 | 359.52 | 12595.00 | 28.76   | 148.76 | 29.21   | 10.00     |                                 |
| 12700.00 | 45.94 | 359.52 | 12638.86 | 69.59   | 148.42 | 70.03   | 10.00     |                                 |
| 12800.00 | 55.94 | 359.52 | 12701.78 | 147.14  | 147.76 | 147.58  | 10.00     |                                 |
| 12900.00 | 65.94 | 359.52 | 12750.29 | 234.44  | 147.02 | 234.87  | 10.00     |                                 |
| 13000.00 | 75.94 | 359.52 | 12782.90 | 328.84  | 146.22 | 329.27  | 10.00     | Landing Point                   |
| 13100.00 | 85.94 | 359.52 | 12798.62 | 427.46  | 145.38 | 427.89  | 10.00     |                                 |
| 13148.09 | 90.75 | 359.52 | 12800.00 | 475.51  | 144.98 | 475.94  | 10.00     |                                 |
| 13200.00 | 90.75 | 359.52 | 12799.32 | 527.42  | 144.54 | 527.85  | 0.00      |                                 |
| 13300.00 | 90.75 | 359.52 | 12798.00 | 627.41  | 143.69 | 627.83  | 0.00      |                                 |
| 13400.00 | 90.75 | 359.52 | 12796.69 | 727.39  | 142.85 | 727.82  | 0.00      |                                 |
| 13500.00 | 90.75 | 359.52 | 12795.37 | 827.38  | 142.00 | 827.80  | 0.00      |                                 |
| 13600.00 | 90.75 | 359.52 | 12794.06 | 927.37  | 141.15 | 927.79  | 0.00      |                                 |
| 13700.00 | 90.75 | 359.52 | 12792.75 | 1027.36 | 140.31 | 1027.77 | 0.00      |                                 |
| 13800.00 | 90.75 | 359.52 | 12791.43 | 1127.35 | 139.46 | 1127.76 | 0.00      |                                 |
| 13900.00 | 90.75 | 359.52 | 12790.12 | 1227.33 | 138.61 | 1227.74 | 0.00      |                                 |
| 14000.00 | 90.75 | 359.52 | 12788.80 | 1327.32 | 137.77 | 1327.72 | 0.00      |                                 |
| 14100.00 | 90.75 | 359.52 | 12787.49 | 1427.31 | 136.92 | 1427.71 | 0.00      |                                 |
| 14200.00 | 90.75 | 359.52 | 12786.17 | 1527.30 | 136.07 | 1527.69 | 0.00      |                                 |
| 14300.00 | 90.75 | 359.52 | 12784.86 | 1627.28 | 135.22 | 1627.68 | 0.00      |                                 |
| 14400.00 | 90.75 | 359.52 | 12783.55 | 1727.27 | 134.38 | 1727.66 | 0.00      |                                 |
| 14500.00 | 90.75 | 359.52 | 12782.23 | 1827.26 | 133.53 | 1827.65 | 0.00      |                                 |
| 14600.00 | 90.75 | 359.52 | 12780.92 | 1927.25 | 132.68 | 1927.63 | 0.00      |                                 |
| 14700.00 | 90.75 | 359.52 | 12779.60 | 2027.24 | 131.84 | 2027.62 | 0.00      |                                 |
| 14800.00 | 90.75 | 359.52 | 12778.29 | 2127.22 | 130.99 | 2127.60 | 0.00      |                                 |
| 14900.00 | 90.75 | 359.52 | 12776.97 | 2227.21 | 130.14 | 2227.59 | 0.00      |                                 |
| 15000.00 | 90.75 | 359.52 | 12775.66 | 2327.20 | 129.30 | 2327.57 | 0.00      |                                 |
| 15100.00 | 90.75 | 359.52 | 12774.35 | 2427.19 | 128.45 | 2427.56 | 0.00      |                                 |
| 15200.00 | 90.75 | 359.52 | 12773.03 | 2527.17 | 127.60 | 2527.54 | 0.00      |                                 |
| 15300.00 | 90.75 | 359.52 | 12771.72 | 2627.16 | 126.76 | 2627.53 | 0.00      |                                 |
| 15400.00 | 90.75 | 359.52 | 12770.40 | 2727.15 | 125.91 | 2727.51 | 0.00      |                                 |
| 15500.00 | 90.75 | 359.52 | 12769.09 | 2827.14 | 125.06 | 2827.50 | 0.00      |                                 |
| 15600.00 | 90.75 | 359.52 | 12767.77 | 2927.13 | 124.21 | 2927.48 | 0.00      |                                 |
| 15700.00 | 90.75 | 359.52 | 12766.46 | 3027.11 | 123.37 | 3027.47 | 0.00      |                                 |
| 15800.00 | 90.75 | 359.52 | 12765.15 | 3127.10 | 122.52 | 3127.45 | 0.00      |                                 |
| 15900.00 | 90.75 | 359.52 | 12763.83 | 3227.09 | 121.67 | 3227.44 | 0.00      |                                 |
| 16000.00 | 90.75 | 359.52 | 12762.52 | 3327.08 | 120.83 | 3327.42 | 0.00      |                                 |
| 16100.00 | 90.75 | 359.52 | 12761.20 | 3427.06 | 119.98 | 3427.41 | 0.00      |                                 |
| 16200.00 | 90.75 | 359.52 | 12759.89 | 3527.05 | 119.13 | 3527.39 | 0.00      |                                 |
| 16300.00 | 90.75 | 359.52 | 12758.57 | 3627.04 | 118.29 | 3627.38 | 0.00      |                                 |
| 16400.00 | 90.75 | 359.52 | 12757.26 | 3727.03 | 117.44 | 3727.36 | 0.00      |                                 |
| 16500.00 | 90.75 | 359.52 | 12755.95 | 3827.02 | 116.59 | 3827.35 | 0.00      |                                 |
| 16600.00 | 90.75 | 359.52 | 12754.63 | 3927.00 | 115.75 | 3927.33 | 0.00      |                                 |
| 16700.00 | 90.75 | 359.52 | 12753.32 | 4026.99 | 114.90 | 4027.31 | 0.00      |                                 |
| 16800.00 | 90.75 | 359.52 | 12752.00 | 4126.98 | 114.05 | 4127.30 | 0.00      |                                 |
| 16900.00 | 90.75 | 359.52 | 12750.69 | 4226.97 | 113.20 | 4227.28 | 0.00      |                                 |
| 17000.00 | 90.75 | 359.52 | 12749.37 | 4326.95 | 112.36 | 4327.27 | 0.00      |                                 |
| 17100.00 | 90.75 | 359.52 | 12748.06 | 4426.94 | 111.51 | 4427.25 | 0.00      |                                 |
| 17200.00 | 90.75 | 359.52 | 12746.75 | 4526.93 | 110.66 | 4527.24 | 0.00      |                                 |
| 17300.00 | 90.75 | 359.52 | 12745.43 | 4626.92 | 109.82 | 4627.22 | 0.00      |                                 |
| 17400.00 | 90.75 | 359.52 | 12744.12 | 4726.91 | 108.97 | 4727.21 | 0.00      |                                 |
| 17500.00 | 90.75 | 359.52 | 12742.80 | 4826.89 | 108.12 | 4827.19 | 0.00      |                                 |
| 17600.00 | 90.75 | 359.52 | 12741.49 | 4926.88 | 107.28 | 4927.18 | 0.00      |                                 |
| 17700.00 | 90.75 | 359.52 | 12740.17 | 5026.87 | 106.43 | 5027.16 | 0.00      |                                 |
| 17800.00 | 90.75 | 359.52 | 12738.86 | 5126.86 | 105.58 | 5127.15 | 0.00      |                                 |
| 17900.00 | 90.75 | 359.52 | 12737.55 | 5226.84 | 104.74 | 5227.13 | 0.00      |                                 |
| 18000.00 | 90.75 | 359.52 | 12736.23 | 5326.83 | 103.89 | 5327.12 | 0.00      |                                 |
| 18100.00 | 90.75 | 359.52 | 12734.92 | 5426.82 | 103.04 | 5427.10 | 0.00      |                                 |
| 18200.00 | 90.75 | 359.52 | 12733.60 | 5526.81 | 102.19 | 5527.09 | 0.00      |                                 |
| 18300.00 | 90.75 | 359.52 | 12732.29 | 5626.80 | 101.35 | 5627.07 | 0.00      |                                 |
| 18400.00 | 90.75 | 359.52 | 12730.97 | 5726.78 | 100.50 | 5727.06 | 0.00      |                                 |
| 18500.00 | 90.75 | 359.52 | 12729.66 | 5826.77 | 99.65  | 5827.04 | 0.00      |                                 |
| 18600.00 | 90.75 | 359.52 | 12728.35 | 5926.76 | 98.81  | 5927.03 | 0.00      |                                 |
| 18700.00 | 90.75 | 359.52 | 12727.03 | 6026.75 | 97.96  | 6027.01 | 0.00      |                                 |
| 18800.00 | 90.75 | 359.52 | 12725.72 | 6126.73 | 97.11  | 6127.00 | 0.00      |                                 |
| 18900.00 | 90.75 | 359.52 | 12724.40 | 6226.72 | 96.27  | 6226.98 | 0.00      |                                 |
| 19000.00 | 90.75 | 359.52 | 12723.09 | 6326.71 | 95.42  | 6326.97 | 0.00      |                                 |
| 19100.00 | 90.75 | 359.52 | 12721.77 | 6426.70 | 94.57  | 6426.95 | 0.00      |                                 |
| 19200.00 | 90.75 | 359.52 | 12720.46 | 6526.69 | 93.73  | 6526.94 | 0.00      |                                 |
| 19300.00 | 90.75 | 359.52 | 12719.15 | 6626.67 | 92.88  | 6626.92 | 0.00      |                                 |

Muskie 23-11 Fed Com 1H

|  |       | <b>Well:</b> Muskie 23-11 Fed Com 1H |          |          |       |          |           | <b>Geodetic System:</b> US State Plane 1983 |     |
|-----------------------------------------------------------------------------------|-------|--------------------------------------|----------|----------|-------|----------|-----------|---------------------------------------------|-----|
|                                                                                   |       | <b>County:</b> Lea                   |          |          |       |          |           | <b>Datum:</b> North American Datum 1927     |     |
|                                                                                   |       | <b>Wellbore:</b> Permit Plan         |          |          |       |          |           | <b>Ellipsoid:</b> Clarke 1866               |     |
|                                                                                   |       | <b>Design:</b> Permit Plan #1        |          |          |       |          |           | <b>Zone:</b> 3001 - NM East (NAD83)         |     |
| MD                                                                                | INC   | AZI                                  | TVD      | NS       | EW    | VS       | DLS       | Comment                                     |     |
| (ft)                                                                              | (°)   | (°)                                  | (ft)     | (ft)     | (ft)  | (ft)     | (°/100ft) |                                             |     |
| 19400.00                                                                          | 90.75 | 359.52                               | 12717.83 | 6726.66  | 92.03 | 6726.90  | 0.00      |                                             |     |
| 19500.00                                                                          | 90.75 | 359.52                               | 12716.52 | 6826.65  | 91.18 | 6826.89  | 0.00      |                                             |     |
| 19600.00                                                                          | 90.75 | 359.52                               | 12715.20 | 6926.64  | 90.34 | 6926.87  | 0.00      |                                             |     |
| 19700.00                                                                          | 90.75 | 359.52                               | 12713.89 | 7026.62  | 89.49 | 7026.86  | 0.00      |                                             |     |
| 19800.00                                                                          | 90.75 | 359.52                               | 12712.57 | 7126.61  | 88.64 | 7126.84  | 0.00      |                                             |     |
| 19900.00                                                                          | 90.75 | 359.52                               | 12711.26 | 7226.60  | 87.80 | 7226.83  | 0.00      |                                             |     |
| 20000.00                                                                          | 90.75 | 359.52                               | 12709.95 | 7326.59  | 86.95 | 7326.81  | 0.00      |                                             |     |
| 20100.00                                                                          | 90.75 | 359.52                               | 12708.63 | 7426.58  | 86.10 | 7426.80  | 0.00      |                                             |     |
| 20200.00                                                                          | 90.75 | 359.52                               | 12707.32 | 7526.56  | 85.26 | 7526.78  | 0.00      |                                             |     |
| 20300.00                                                                          | 90.75 | 359.52                               | 12706.00 | 7626.55  | 84.41 | 7626.77  | 0.00      |                                             |     |
| 20400.00                                                                          | 90.75 | 359.52                               | 12704.69 | 7726.54  | 83.56 | 7726.75  | 0.00      |                                             |     |
| 20500.00                                                                          | 90.75 | 359.52                               | 12703.37 | 7826.53  | 82.72 | 7826.74  | 0.00      |                                             |     |
| 20600.00                                                                          | 90.75 | 359.52                               | 12702.06 | 7926.51  | 81.87 | 7926.72  | 0.00      |                                             |     |
| 20700.00                                                                          | 90.75 | 359.52                               | 12700.75 | 8026.50  | 81.02 | 8026.71  | 0.00      |                                             |     |
| 20800.00                                                                          | 90.75 | 359.52                               | 12699.43 | 8126.49  | 80.17 | 8126.69  | 0.00      |                                             |     |
| 20900.00                                                                          | 90.75 | 359.52                               | 12698.12 | 8226.48  | 79.33 | 8226.68  | 0.00      |                                             |     |
| 21000.00                                                                          | 90.75 | 359.52                               | 12696.80 | 8326.47  | 78.48 | 8326.66  | 0.00      |                                             |     |
| 21100.00                                                                          | 90.75 | 359.52                               | 12695.49 | 8426.45  | 77.63 | 8426.65  | 0.00      |                                             |     |
| 21200.00                                                                          | 90.75 | 359.52                               | 12694.17 | 8526.44  | 76.79 | 8526.63  | 0.00      |                                             |     |
| 21300.00                                                                          | 90.75 | 359.52                               | 12692.86 | 8626.43  | 75.94 | 8626.62  | 0.00      |                                             |     |
| 21400.00                                                                          | 90.75 | 359.52                               | 12691.55 | 8726.42  | 75.09 | 8726.60  | 0.00      |                                             |     |
| 21500.00                                                                          | 90.75 | 359.52                               | 12690.23 | 8826.40  | 74.25 | 8826.59  | 0.00      |                                             |     |
| 21600.00                                                                          | 90.75 | 359.52                               | 12688.92 | 8926.39  | 73.40 | 8926.57  | 0.00      |                                             |     |
| 21700.00                                                                          | 90.75 | 359.52                               | 12687.60 | 9026.38  | 72.55 | 9026.56  | 0.00      |                                             |     |
| 21800.00                                                                          | 90.75 | 359.52                               | 12686.29 | 9126.37  | 71.71 | 9126.54  | 0.00      |                                             |     |
| 21900.00                                                                          | 90.75 | 359.52                               | 12684.97 | 9226.36  | 70.86 | 9226.53  | 0.00      |                                             |     |
| 22000.00                                                                          | 90.75 | 359.52                               | 12683.66 | 9326.34  | 70.01 | 9326.51  | 0.00      |                                             |     |
| 22100.00                                                                          | 90.75 | 359.52                               | 12682.34 | 9426.33  | 69.16 | 9426.49  | 0.00      |                                             |     |
| 22200.00                                                                          | 90.75 | 359.52                               | 12681.03 | 9526.32  | 68.32 | 9526.48  | 0.00      |                                             |     |
| 22300.00                                                                          | 90.75 | 359.52                               | 12679.72 | 9626.31  | 67.47 | 9626.46  | 0.00      |                                             |     |
| 22400.00                                                                          | 90.75 | 359.52                               | 12678.40 | 9726.29  | 66.62 | 9726.45  | 0.00      |                                             |     |
| 22500.00                                                                          | 90.75 | 359.52                               | 12677.09 | 9826.28  | 65.78 | 9826.43  | 0.00      |                                             |     |
| 22600.00                                                                          | 90.75 | 359.52                               | 12675.77 | 9926.27  | 64.93 | 9926.42  | 0.00      |                                             |     |
| 22700.00                                                                          | 90.75 | 359.52                               | 12674.46 | 10026.26 | 64.08 | 10026.40 | 0.00      |                                             |     |
| 22800.00                                                                          | 90.75 | 359.52                               | 12673.14 | 10126.25 | 63.24 | 10126.39 | 0.00      |                                             |     |
| 22900.00                                                                          | 90.75 | 359.52                               | 12671.83 | 10226.23 | 62.39 | 10226.37 | 0.00      |                                             |     |
| 23000.00                                                                          | 90.75 | 359.52                               | 12670.52 | 10326.22 | 61.54 | 10326.36 | 0.00      |                                             |     |
| 23100.00                                                                          | 90.75 | 359.52                               | 12669.20 | 10426.21 | 60.69 | 10426.34 | 0.00      |                                             |     |
| 23200.00                                                                          | 90.75 | 359.52                               | 12667.89 | 10526.20 | 59.85 | 10526.33 | 0.00      |                                             |     |
| 23300.00                                                                          | 90.75 | 359.52                               | 12666.57 | 10626.18 | 59.00 | 10626.31 | 0.00      |                                             |     |
| 23400.00                                                                          | 90.75 | 359.52                               | 12665.26 | 10726.17 | 58.15 | 10726.30 | 0.00      |                                             |     |
| 23500.00                                                                          | 90.75 | 359.52                               | 12663.94 | 10826.16 | 57.31 | 10826.28 | 0.00      |                                             |     |
| 23600.00                                                                          | 90.75 | 359.52                               | 12662.63 | 10926.15 | 56.46 | 10926.27 | 0.00      |                                             |     |
| 23700.00                                                                          | 90.75 | 359.52                               | 12661.32 | 11026.14 | 55.61 | 11026.25 | 0.00      |                                             |     |
| 23800.00                                                                          | 90.75 | 359.52                               | 12660.00 | 11126.12 | 54.77 | 11126.24 | 0.00      |                                             |     |
| 23900.00                                                                          | 90.75 | 359.52                               | 12658.69 | 11226.11 | 53.92 | 11226.22 | 0.00      |                                             |     |
| 24000.00                                                                          | 90.75 | 359.52                               | 12657.37 | 11326.10 | 53.07 | 11326.21 | 0.00      |                                             |     |
| 24100.00                                                                          | 90.75 | 359.52                               | 12656.06 | 11426.09 | 52.23 | 11426.19 | 0.00      |                                             |     |
| 24200.00                                                                          | 90.75 | 359.52                               | 12654.74 | 11526.07 | 51.38 | 11526.18 | 0.00      |                                             |     |
| 24300.00                                                                          | 90.75 | 359.52                               | 12653.43 | 11626.06 | 50.53 | 11626.16 | 0.00      |                                             |     |
| 24400.00                                                                          | 90.75 | 359.52                               | 12652.12 | 11726.05 | 49.68 | 11726.15 | 0.00      |                                             |     |
| 24500.00                                                                          | 90.75 | 359.52                               | 12650.80 | 11826.04 | 48.84 | 11826.13 | 0.00      |                                             |     |
| 24600.00                                                                          | 90.75 | 359.52                               | 12649.49 | 11926.03 | 47.99 | 11926.12 | 0.00      |                                             |     |
| 24700.00                                                                          | 90.75 | 359.52                               | 12648.17 | 12026.01 | 47.14 | 12026.10 | 0.00      |                                             |     |
| 24800.00                                                                          | 90.75 | 359.52                               | 12646.86 | 12126.00 | 46.30 | 12126.08 | 0.00      |                                             |     |
| 24900.00                                                                          | 90.75 | 359.52                               | 12645.54 | 12225.99 | 45.45 | 12226.07 | 0.00      |                                             |     |
| 25000.00                                                                          | 90.75 | 359.52                               | 12644.23 | 12325.98 | 44.60 | 12326.05 | 0.00      |                                             |     |
| 25100.00                                                                          | 90.75 | 359.52                               | 12642.92 | 12425.96 | 43.76 | 12426.04 | 0.00      |                                             |     |
| 25200.00                                                                          | 90.75 | 359.52                               | 12641.60 | 12525.95 | 42.91 | 12526.02 | 0.00      |                                             |     |
| 25300.00                                                                          | 90.75 | 359.52                               | 12640.29 | 12625.94 | 42.06 | 12626.01 | 0.00      |                                             |     |
| 25400.00                                                                          | 90.75 | 359.52                               | 12638.97 | 12725.93 | 41.22 | 12725.99 | 0.00      |                                             |     |
| 25500.00                                                                          | 90.75 | 359.52                               | 12637.66 | 12825.92 | 40.37 | 12825.98 | 0.00      |                                             |     |
| 25600.00                                                                          | 90.75 | 359.52                               | 12636.34 | 12925.90 | 39.52 | 12925.96 | 0.00      |                                             |     |
| 25621.00                                                                          | 90.75 | 359.52                               | 12636.07 | 12946.90 | 39.34 | 12946.96 | 0.00      | EXIT                                        |     |
| 25700.00                                                                          | 90.75 | 359.52                               | 12635.03 | 13025.89 | 38.67 | 13025.95 | 0.00      |                                             |     |
| 25701.00                                                                          | 90.75 | 359.52                               | 12635.00 | 13026.89 | 38.73 | 13026.95 | 0.00      | BHL                                         | BHL |

Muskie 23-11 Fed Com 1H

**Well:** Muskie 23-11 Fed Com 1H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

**Geodetic System:** US State Plane 1983  
**Datum:** North American Datum 1927  
**Ellipsoid:** Clarke 1866  
**Zone:** 3001 - NM East (NAD83)

| MD   | INC | AZI | TVD  | NS   | EW   | VS   | DLS       | Comment |
|------|-----|-----|------|------|------|------|-----------|---------|
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (°/100ft) |         |

## Muskie 23-11 Fed Com 1H

**1. Geologic Formations**

|               |       |                              |     |
|---------------|-------|------------------------------|-----|
| TVD of target | 12636 | Pilot hole depth             | N/A |
| MD at TD:     | 25701 | Deepest expected fresh water |     |

**Basin**

| Formation            | Depth<br>(TVD)<br>from KB | Water/Mineral<br>Bearing/Target<br>Zone? | Hazards* |
|----------------------|---------------------------|------------------------------------------|----------|
| Rustler              | 890                       |                                          |          |
| Salt                 | 1250                      |                                          |          |
| Base of Salt         | 5000                      |                                          |          |
| Delaware             | 5300                      |                                          |          |
| Cherry Canyon        | 6335                      |                                          |          |
| Brushy Canyon        | 7975                      |                                          |          |
| 1st Bone Spring Lime | 9405                      |                                          |          |
| Bone Spring 1st      | 10570                     |                                          |          |
| Bone Spring 2nd      | 11120                     |                                          |          |
| 3rd Bone Spring Lime | 11575                     |                                          |          |
| Bone Spring 3rd      | 12175                     |                                          |          |
| Wolfcamp             | 12595                     |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |

\*H2S, water flows, loss of circulation, abnormal pressures, etc.

## Muskie 23-11 Fed Com 1H

**2. Casing Program (Primary Design)**

| Hole Size | Csg. Size | Wt (PPF) | Grade | Conn | Casing Interval |         | Casing Interval |          |
|-----------|-----------|----------|-------|------|-----------------|---------|-----------------|----------|
|           |           |          |       |      | From (MD)       | To (MD) | From (TVD)      | To (TVD) |
| 17 1/2    | 13 3/8    | 48       | H40   | STC  | 0               | 915     | 0               | 915      |
| 9 7/8     | 8 5/8     | 32       | P110  | TLW  | 0               | 12175   | 0               | 12175    |
| 7 7/8     | 5 1/2     | 17       | P110  | BTC  | 0               | 25701   | 0               | 12636    |

• All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

**3. Cementing Program (Primary Design)**

| Casing                     | # Skis    | TOC         | Wt. ppg | Yld (ft3/sack) | Slurry Description                       |
|----------------------------|-----------|-------------|---------|----------------|------------------------------------------|
| Surface                    | 701       | Surf        | 13.2    | 1.44           | Lead: Class C Cement + additives         |
| Int 1                      | 497       | Surf        | 9       | 3.27           | Lead: Class C Cement + additives         |
|                            | 465       | 4000' above | 13.2    | 1.44           | Tail: Class H / C + additives            |
| Int 1 Intermediate Squeeze | As Needed | Surf        | 13.2    | 1.44           | Squeeze Lead: Class C Cement + additives |
|                            | 497       | Surf        | 9       | 3.27           | Lead: Class C Cement + additives         |
|                            | 465       | 4000' above | 13.2    | 1.44           | Tail: Class H / C + additives            |
| Production                 | 117       | 10241       | 9       | 3.27           | Lead: Class H / C + additives            |
|                            | 1781      | 12241       | 13.2    | 1.44           | Tail: Class H / C + additives            |

| Casing String              | % Excess |
|----------------------------|----------|
| Surface                    | 50%      |
| Intermediate 1             | 30%      |
| Intermediate 1 (Two Stage) | 25%      |
| Prod                       | 10%      |

Muskie 23-11 Fed Com 1H

**4. Pressure Control Equipment (Three String Design)**

| BOP installed and tested before drilling which hole? |                                                                                                      | Size? | Min. Required WP | Type | ✓ | Tested to:                     |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------|------------------|------|---|--------------------------------|
| Int 1                                                | 13-5/8"                                                                                              | 5M    | Annular          |      | X | 50% of rated working pressure  |
|                                                      |                                                                                                      |       | Blind Ram        |      | X | 5M                             |
|                                                      |                                                                                                      |       | Pipe Ram         |      |   |                                |
|                                                      |                                                                                                      |       | Double Ram       |      | X |                                |
|                                                      |                                                                                                      |       | Other*           |      |   |                                |
| Production                                           | 13-5/8"                                                                                              | 10M   | Annular (5M)     |      | X | 100% of rated working pressure |
|                                                      |                                                                                                      |       | Blind Ram        |      | X | 10M                            |
|                                                      |                                                                                                      |       | Pipe Ram         |      |   |                                |
|                                                      |                                                                                                      |       | Double Ram       |      | X |                                |
|                                                      |                                                                                                      |       | Other*           |      |   |                                |
|                                                      |                                                                                                      |       | Annular (5M)     |      |   |                                |
|                                                      |                                                                                                      |       | Blind Ram        |      |   |                                |
|                                                      |                                                                                                      |       | Pipe Ram         |      |   |                                |
|                                                      |                                                                                                      |       | Double Ram       |      |   |                                |
|                                                      |                                                                                                      |       | Other*           |      |   |                                |
| N                                                    | A variance is requested for the use of a diverter on the surface casing. See attached for schematic. |       |                  |      |   |                                |
| Y                                                    | A variance is requested to run a 5 M annular on a 10M system                                         |       |                  |      |   |                                |

## Muskie 23-11 Fed Com 1H

**5. Mud Program (Three String Design)**

| Section      | Type            | Weight (ppg) |
|--------------|-----------------|--------------|
| Surface      | FW Gel          | 8.5-9        |
| Intermediate | DBE / Cut Brine | 10-10.5      |
| Production   | OBM             | 10-10.5      |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/Pason/Visual Monitoring |
|---------------------------------------------------------|-----------------------------|

**6. Logging and Testing Procedures**

| Logging, Coring and Testing |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| X                           | Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |
|                             | No logs are planned based on well control or offset log information.                                                                                        |
|                             | Drill stem test? If yes, explain.                                                                                                                           |
|                             | Coring? If yes, explain.                                                                                                                                    |

| Additional logs planned |             | Interval                |
|-------------------------|-------------|-------------------------|
|                         | Resistivity | Int. shoe to KOP        |
|                         | Density     | Int. shoe to KOP        |
| X                       | CBL         | Production casing       |
| X                       | Mud log     | Intermediate shoe to TD |
|                         | PEX         |                         |

**7. Drilling Conditions**

| Condition                  | Specify what type and where? |
|----------------------------|------------------------------|
| BH pressure at deepest TVD | 6899                         |
| Abnormal temperature       | No                           |

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H<sub>2</sub>S) monitors will be installed prior to drilling out the surface shoe. If H<sub>2</sub>S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

|   |                                 |
|---|---------------------------------|
| N | H <sub>2</sub> S is present     |
| Y | H <sub>2</sub> S plan attached. |

**8. Other facets of operation**

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed

## Muskie 23-11 Fed Com 1H

from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
  - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nipped up and tested on the wellhead before drilling operations commences on each well.
  - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

## Attachments

X Directional Plan  
           Other, describe

**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**

CONDITIONS

Action 56069

**CONDITIONS**

|                                                                                                       |                                                      |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137                                       |
|                                                                                                       | Action Number:<br>56069                              |
|                                                                                                       | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| pkautz     | None      | 10/22/2021     |