

|                                  |                                                                        |                                              |
|----------------------------------|------------------------------------------------------------------------|----------------------------------------------|
| Well Name: ALEUTIAN 10-3 FED COM | Well Location: T23S / R31E / SEC 10 / SESW / 32.3126341 / -103.7680211 | County or Parish/State: EDDY / NM            |
| Well Number: 702H                | Type of Well: OIL WELL                                                 | Allottee or Tribe Name:                      |
| Lease Number: NMNM121955         | Unit or CA Name:                                                       | Unit or CA Number:                           |
| US Well Number: 3001547394       | Well Status: Approved Application for Permit to Drill                  | Operator: DEVON ENERGY PRODUCTION COMPANY LP |

Notice of Intent

Sundry ID: 2652175

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: Other        |
| Date Sundry Submitted: 01/12/2022              | Time Sundry Submitted: 07:27 |
| Date proposed operation will begin: 01/12/2022 |                              |

**Procedure Description:** NAME CHANGE/FORMATION CHANGE Devon Energy Production Co., L.P. (Devon) respectfully requests to have a name change and formation change on the subject well. Please see attached revised C102, Drill plan, directional plan. Permitted Well name: ALEUTIAN 10 3 FEDERAL COM 332H Proposed Well name: ALEUTIAN 10 3 FEDERAL COM 702H Permitted Formation: 39350 LIVINGSTON RIDGE; BONE SPRING Proposed Formation: 98123 WC-015 G-08 S233102C; WOLFCAMP

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- MB\_Wellhd\_5M\_13.375\_8.625\_20220112072718.pdf
- MB\_Verb\_5M\_20220112072717.pdf
- 5M\_BOPE\_\_CK\_20220112072717.pdf
- WA017989771\_ALEUTIAN\_10\_3\_FED\_COM\_702H\_WL\_R1\_20220112072652.pdf
- Aleutian\_10\_3\_Fed\_Com\_702H\_H2S\_20220112072651.pdf
- Aleutian\_10\_3\_Fed\_Com\_702H\_\_Directional\_Plan\_01\_10\_22\_20220112072651.pdf

Received by OCD: 5/6/2022 3:11:52 PM

Page 2 of 40

|                                  |                                                                        |                                              |
|----------------------------------|------------------------------------------------------------------------|----------------------------------------------|
| Well Name: ALEUTIAN 10-3 FED COM | Well Location: T23S / R31E / SEC 10 / SESW / 32.3126341 / -103.7680211 | County or Parish/State: EDDY / NM            |
| Well Number: 702H                | Type of Well: OIL WELL                                                 | Allottee or Tribe Name:                      |
| Lease Number: NMNM121955         | Unit or CA Name:                                                       | Unit or CA Number:                           |
| US Well Number: 3001547394       | Well Status: Approved Application for Permit to Drill                  | Operator: DEVON ENERGY PRODUCTION COMPANY LP |

Aleutian\_10\_3\_Fed\_Com\_702H\_\_20220112072650.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| Operator Electronic Signature: JENNY HARMS | Signed on: JAN 12, 2022 07:27 AM |
| Name: DEVON ENERGY PRODUCTION COMPANY LP   |                                  |
| Title: Regulatory Compliance Professional  |                                  |
| Street Address: 333 West Sheridan Avenue   |                                  |
| City: Oklahoma City                        | State: OK                        |
| Phone: (405) 552-6560                      |                                  |
| Email address: jennifer.harms@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: 04/18/2022          |
| Signature: Chris Walls          |                                       |

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, 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, NM 87505

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                            |                                                                 |
|------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-015-47394</b> | <sup>2</sup> Pool Code<br><b>98123</b>                                     | <sup>3</sup> Pool Name<br><b>WC-015 G-08 S233102C; WOLFCAMP</b> |
| <sup>4</sup> Property Code<br><b>323063</b>    | <sup>5</sup> Property Name<br><b>ALEUTIAN 10-3 FED COM</b>                 | <sup>6</sup> Well Number<br><b>702H</b>                         |
| <sup>7</sup> OGRID No.<br><b>6137</b>          | <sup>8</sup> Operator Name<br><b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b> | <sup>9</sup> Elevation<br><b>3387.2</b>                         |

<sup>10</sup> Surface Location

| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>N</b>      | <b>10</b> | <b>23 S</b> | <b>31 E</b> |         | <b>325</b>    | <b>SOUTH</b>     | <b>1919</b>   | <b>WEST</b>    | <b>EDDY</b> |

<sup>11</sup> 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      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>3</b>      | <b>3</b> | <b>23 S</b> | <b>31 E</b> |         | <b>20</b>     | <b>NORTH</b>     | <b>2310</b>   | <b>WEST</b>    | <b>EDDY</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>319.59</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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.

|                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>NOTE:</b><br/>LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.</p> | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.</p> <p><i>Jenny Harms</i><br/><b>1-12-2022</b></p> <p>Signature _____ Date _____<br/><b>JENNY HARMS</b><br/>Printed Name _____<br/><b>JENNY.HARMS@DVN.COM</b><br/>E-mail Address _____</p> |
|                                                                                                                                                                                                                                                                                                                       | <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p><b>DECEMBER 20, 2021</b><br/>Date of Survey _____</p> <p><i>[Signature]</i><br/>Signature and Seal of Professional Surveyor _____<br/>Certificate Number: <b>FILMON F. JARAMILLO PLS 12797</b><br/>SURVEY NO. 8177A</p>                                                                                                                                                                                                                                                       |

Intent ☒ As Drilled ☐

API #

|                                          |                              |             |
|------------------------------------------|------------------------------|-------------|
| Operator Name:                           | Property Name:               | Well Number |
| <b>DEVON ENERGY PRODUCTION CO., L.P.</b> | <b>ALEUTIAN 10-3 FED COM</b> | <b>702H</b> |

Kick Off Point (KOP)

|                                |                      |                        |                     |     |                                   |          |                         |                  |                       |
|--------------------------------|----------------------|------------------------|---------------------|-----|-----------------------------------|----------|-------------------------|------------------|-----------------------|
| UL                             | Section<br><b>10</b> | Township<br><b>23S</b> | Range<br><b>31E</b> | Lot | Feet<br><b>82 FSL</b>             | From N/S | Feet<br><b>2311 FWL</b> | From E/W         | County<br><b>EDDY</b> |
| Latitude<br><b>32.31187195</b> |                      |                        |                     |     | Longitude<br><b>-103.76683481</b> |          |                         | NAD<br><b>83</b> |                       |

First Take Point (FTP)

|                               |                      |                        |                     |     |                                 |                          |                     |                         |                       |
|-------------------------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------|---------------------|-------------------------|-----------------------|
| UL<br><b>N</b>                | Section<br><b>10</b> | Township<br><b>23S</b> | Range<br><b>31E</b> | Lot | Feet<br><b>100</b>              | From N/S<br><b>SOUTH</b> | Feet<br><b>2310</b> | From E/W<br><b>WEST</b> | County<br><b>EDDY</b> |
| Latitude<br><b>32.3120165</b> |                      |                        |                     |     | Longitude<br><b>103.7667557</b> |                          |                     | NAD<br><b>83</b>        |                       |

Last Take Point (LTP)

|                               |                     |                        |                     |                 |                                 |                          |                     |                         |                       |
|-------------------------------|---------------------|------------------------|---------------------|-----------------|---------------------------------|--------------------------|---------------------|-------------------------|-----------------------|
| UL                            | Section<br><b>3</b> | Township<br><b>23S</b> | Range<br><b>31E</b> | Lot<br><b>3</b> | Feet<br><b>100</b>              | From N/S<br><b>NORTH</b> | Feet<br><b>2310</b> | From E/W<br><b>WEST</b> | County<br><b>EDDY</b> |
| Latitude<br><b>32.3404658</b> |                     |                        |                     |                 | Longitude<br><b>103.7667823</b> |                          |                     | NAD<br><b>83</b>        |                       |

Is this well the defining well for the Horizontal Spacing Unit?

☐ N

Is this well an infill well?

☐ Y

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

# SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO SITE MAP

**ALEUTIAN 10-3 FED COM 702H**

ELEV. = 3387.2'

LAT. = 32.3126341°N (NAD83)

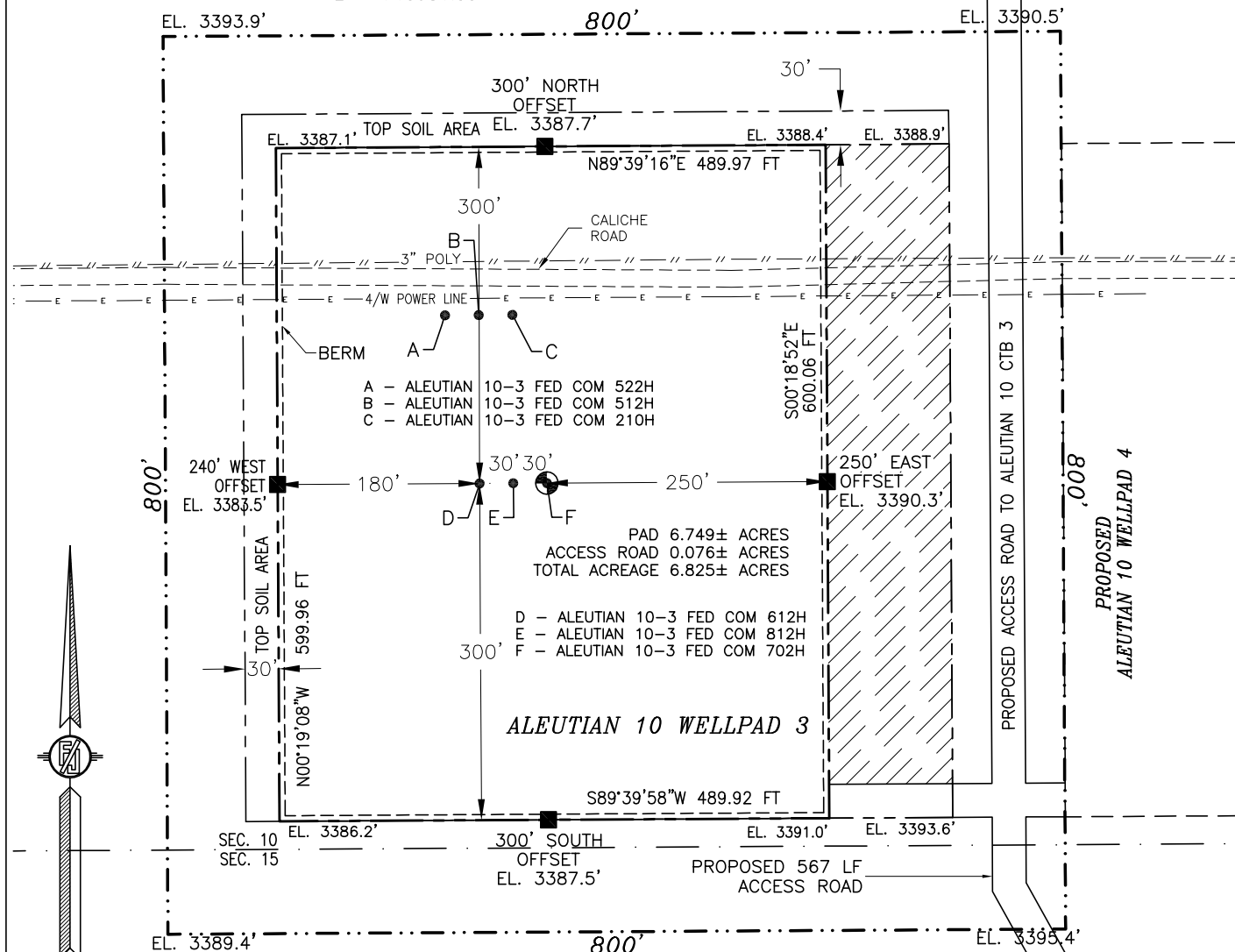
LONG. = 103.7680211°W

NMSP EAST (FT)

N = 477929.21

E = 715981.55

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.



015 75 150 300

SCALE 1" = 150'

## DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 798 (RED ROAD) GO NORTH ON CR 798 APPROX. 4.0 MILES, GO WEST ON CALICHE LEASE ROAD APPROX. 0.3 OF A MILE, GO SOUTH ON CALICHE LEASE ROAD APPROX. 0.35 OF A MILE, FOLLOW HORIZON ROAD SURVEY APPROX. 0.79 OF A MILE TO BEGIN ROAD SURVEY, GO NORTHWEST 330°, THEN NORTH 77°, THEN WEST 160° (TOTAL OF 567') TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

I, FILMON F. JARAMILLO, NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY WAS MADE TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THE SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

FILMON F. JARAMILLO, 12737

**MADDOX SURVEYING, INC.**

301 SOUTH CANAL  
(575) 234-3341

CARLSBAD, NEW MEXICO

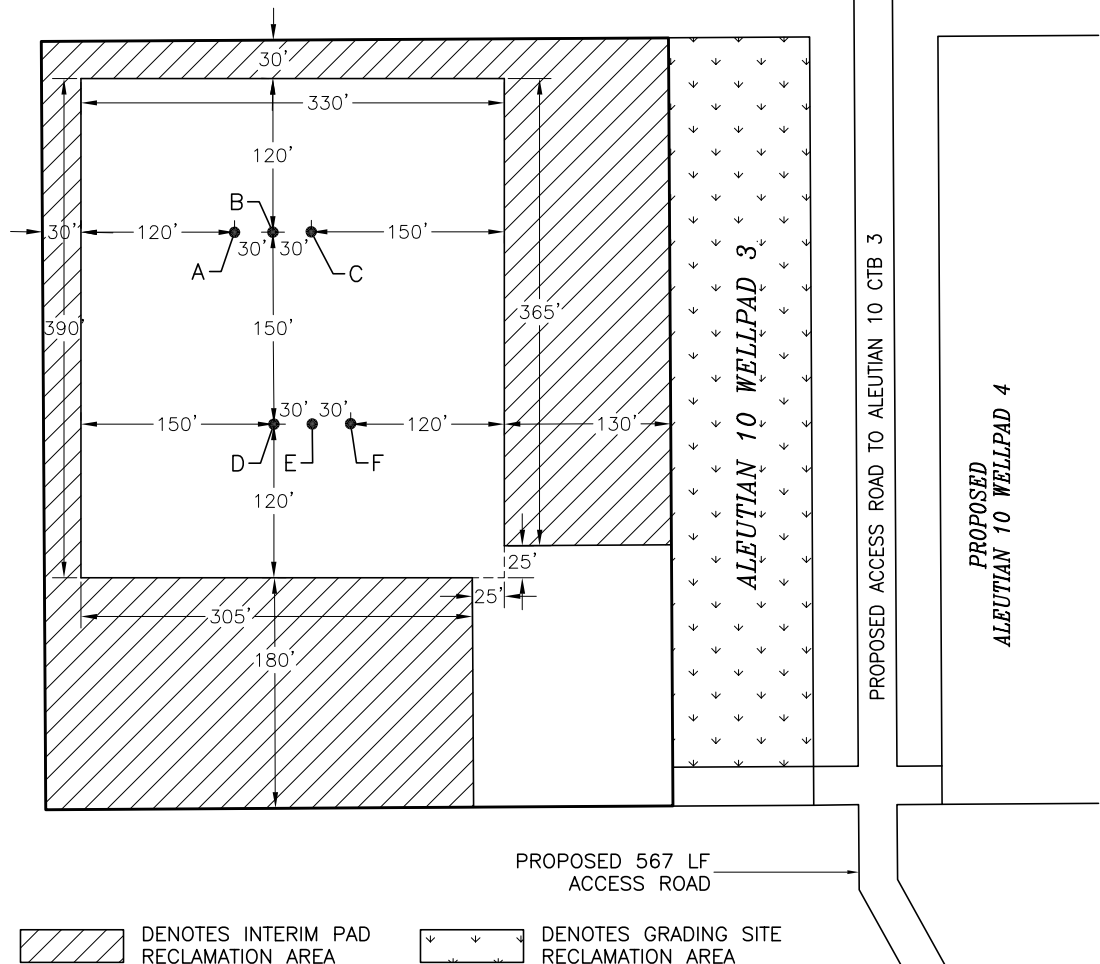
**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**ALEUTIAN 10-3 FED COM 702H**  
LOCATED 325 FT. FROM THE SOUTH LINE  
AND 1919 FT. FROM THE WEST LINE OF  
SECTION 10, TOWNSHIP 23 SOUTH,  
RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
LAND STATUS: BLM

DECEMBER 20, 2021

SURVEY NO. 8177A

SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
INTERIM SITE BUILD PLAN

A - ALEUTIAN 10-3 FED COM 522H  
B - ALEUTIAN 10-3 FED COM 512H  
C - ALEUTIAN 10-3 FED COM 210H  
D - ALEUTIAN 10-3 FED COM 612H  
E - ALEUTIAN 10-3 FED COM 812H  
F - ALEUTIAN 10-3 FED COM 702H



015 75 150 300  
SCALE 1" = 150'

3.072± ACRES INTERIM PAD RECLAMATION AREA  
1.440± ACRES GRADING SITE RECLAMATION AREA  
3.753± ACRES NON-RECLAIMED AREA  
8.265± ACRES ALEUTIAN 10 WELLPAD 3

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**ALEUTIAN 10-3 FED COM 702H**  
LOCATED 325 FT. FROM THE SOUTH LINE  
AND 1919 FT. FROM THE WEST LINE OF  
SECTION 10, TOWNSHIP 23 SOUTH,  
RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
LAND STATUS: BLM

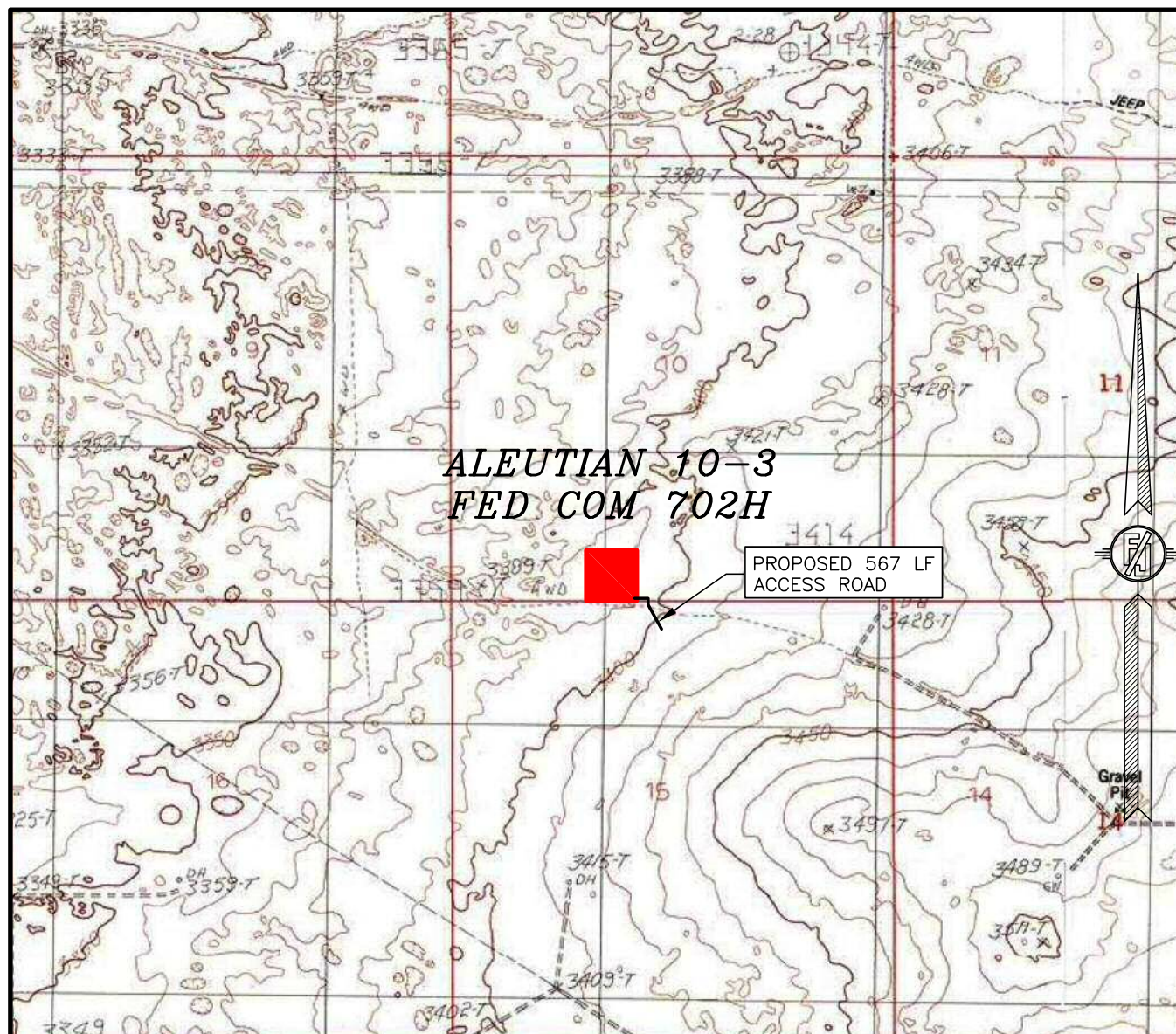
DECEMBER 20, 2021

SURVEY NO. 8177A

MADRON SURVEYING, INC. 301 SOUTH CANAL  
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 LOCATION VERIFICATION MAP



USGS QUAD MAP:  
 LOS MEDANOS

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

**ALEUTIAN 10-3 FED COM 702H**

LOCATED 325 FT. FROM THE SOUTH LINE  
 AND 1919 FT. FROM THE WEST LINE OF  
 SECTION 10, TOWNSHIP 23 SOUTH,  
 RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 LAND STATUS: BLM

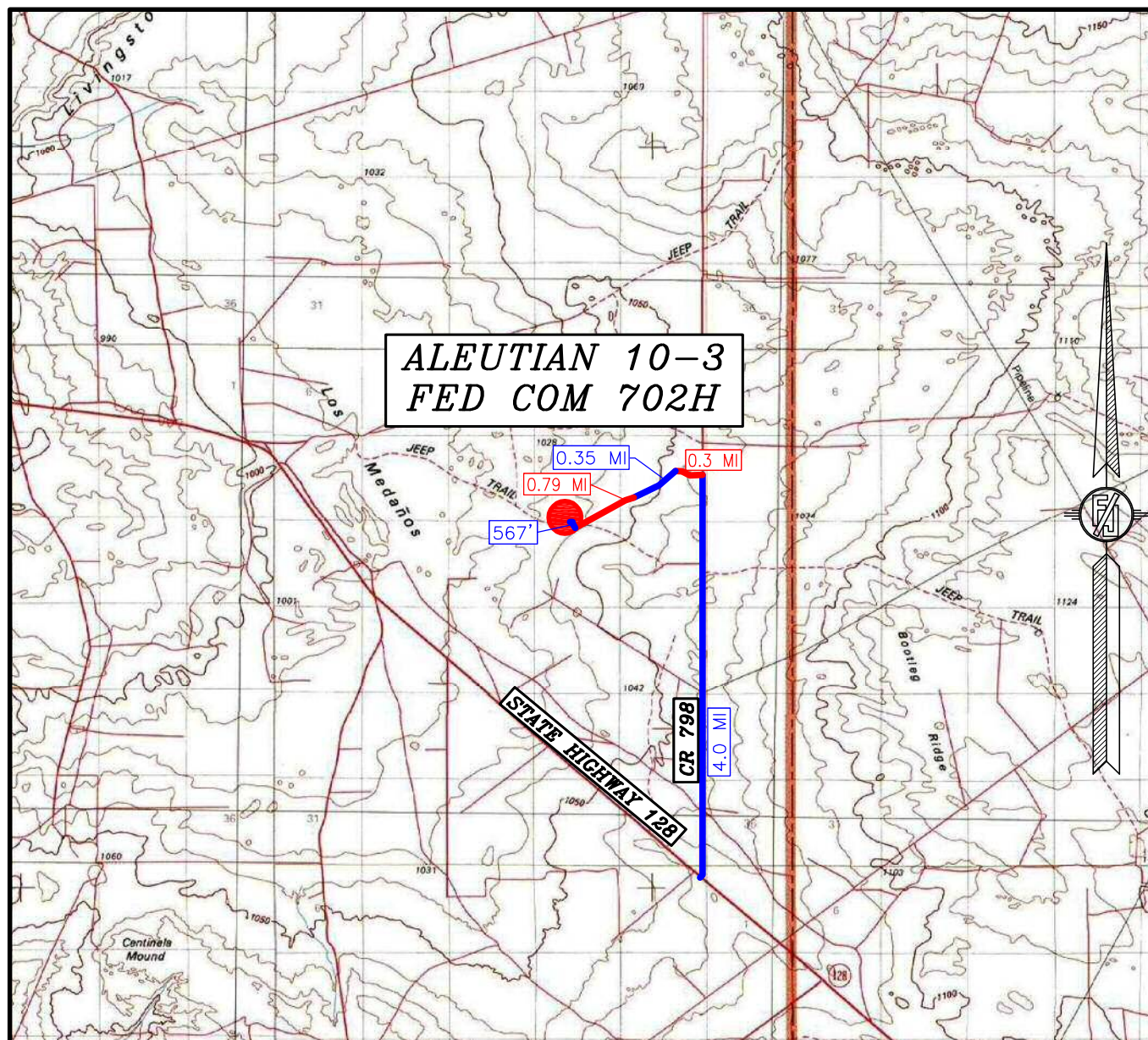
DECEMBER 20, 2021

SURVEY NO. 8177A

MADRON SURVEYING, INC. 301 SOUTH CANAL  
 (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 VICINITY MAP



DISTANCES IN MILES

**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 798 (RED ROAD) GO NORTH ON CR 798 APPROX. 4.0 MILES, GO WEST ON CALICHE LEASE ROAD APPROX. 0.3 OF A MILE, GO SOUTH ON CALICHE LEASE ROAD APPROX. 0.35 OF A MILE, FOLLOW HORIZON ROAD SURVEY APPROX. 0.79 OF A MILE TO BEGIN ROAD SURVEY, GO NORTHWEST 330', THEN NORTH 77', THEN WEST 160' (TOTAL OF 567') TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

NOT TO SCALE  
 DEVON ENERGY PRODUCTION COMPANY, L.P.

**ALEUTIAN 10-3 FED COM 702H**

LOCATED 325 FT. FROM THE SOUTH LINE  
 AND 1919 FT. FROM THE WEST LINE OF  
 SECTION 10, TOWNSHIP 23 SOUTH,  
 RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 LAND STATUS: BLM

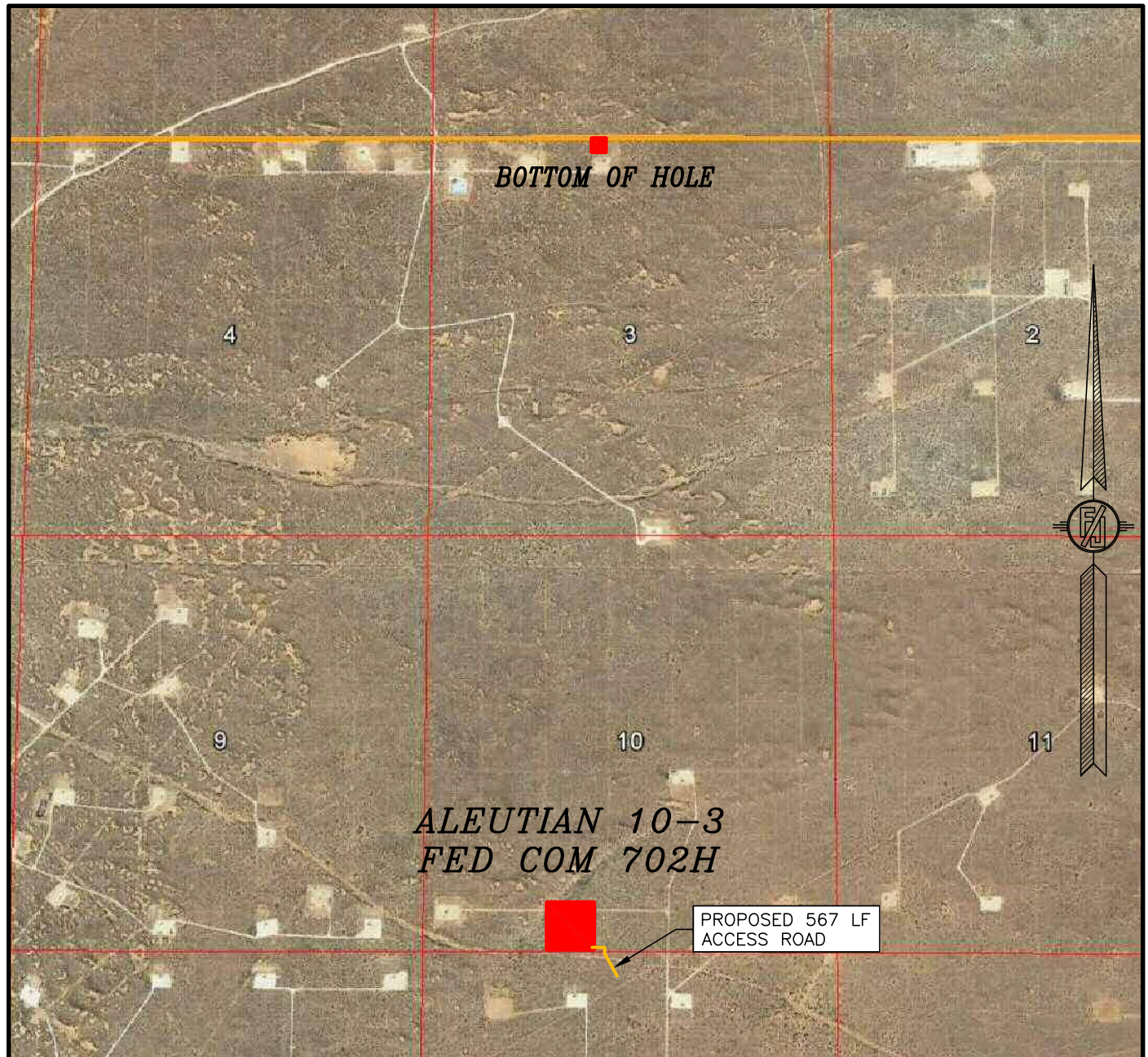
DECEMBER 20, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 8177A  
 CARLSBAD, NEW MEXICO

SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 AERIAL PHOTO



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 NOVEMBER 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.

**ALEUTIAN 10-3 FED COM 702H**

LOCATED 325 FT. FROM THE SOUTH LINE  
 AND 1919 FT. FROM THE WEST LINE OF  
 SECTION 10, TOWNSHIP 23 SOUTH,  
 RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 LAND STATUS: BLM

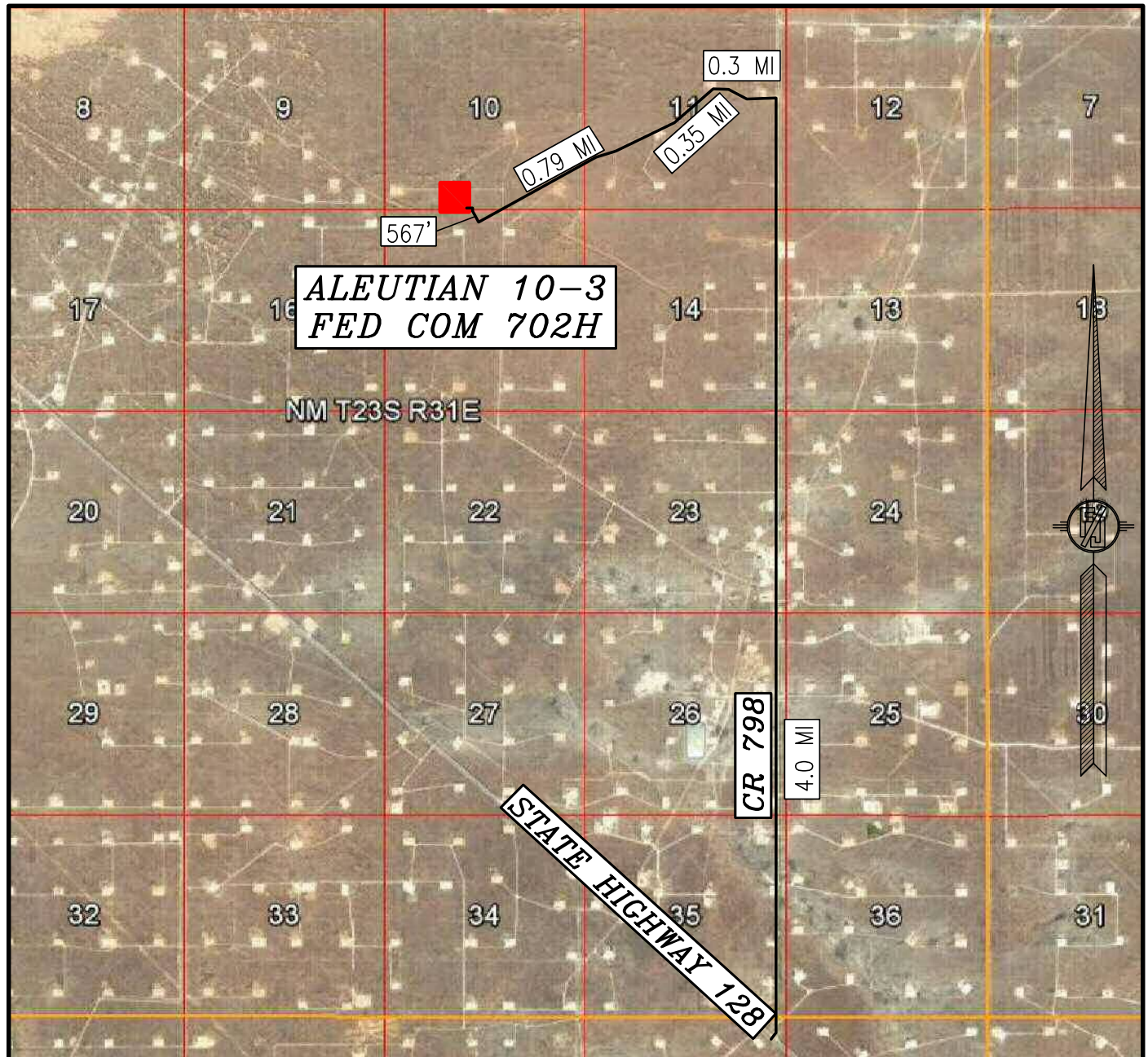
DECEMBER 20, 2021

SURVEY NO. 8177A

MADRON SURVEYING, INC. 301 SOUTH CANAL  
 (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 ACCESS AERIAL ROUTE MAP



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 NOVEMBER 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.

**ALEUTIAN 10-3 FED COM 702H**

LOCATED 325 FT. FROM THE SOUTH LINE  
 AND 1919 FT. FROM THE WEST LINE OF  
 SECTION 10, TOWNSHIP 23 SOUTH,  
 RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO  
 LAND STATUS: BLM

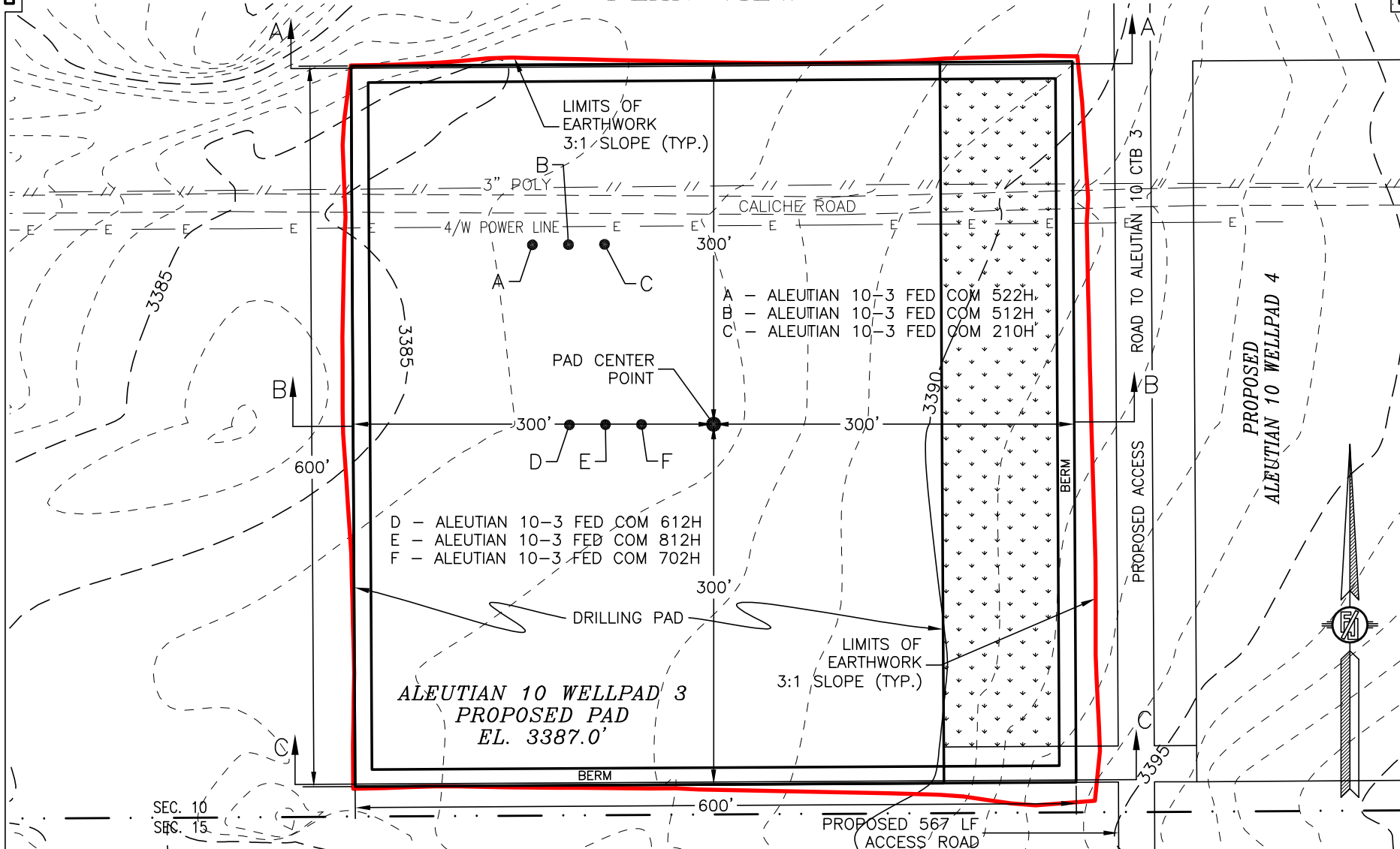
DECEMBER 20, 2021

SURVEY NO. 8177A

MADRON SURVEYING, INC. 301 SOUTH CANAL  
 (575) 234-3341

CARLSBAD, NEW MEXICO

# PLAN VIEW



I, FILIMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THE SURVEY AND PLAN MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

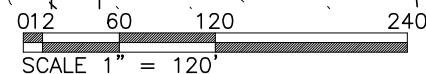
FILIMON F. JARAMILLO 12797

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**GRADING PLAN AND CROSS SECTIONS**  
**FOR ALEUTIAN 10-3 FED COM 702H**  
 SECTION 10, TOWNSHIP 23 SOUTH,  
 RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2021

301 SOUTH CANAL  
 (575) 234-3341

CARLSBAD, NEW MEXICO

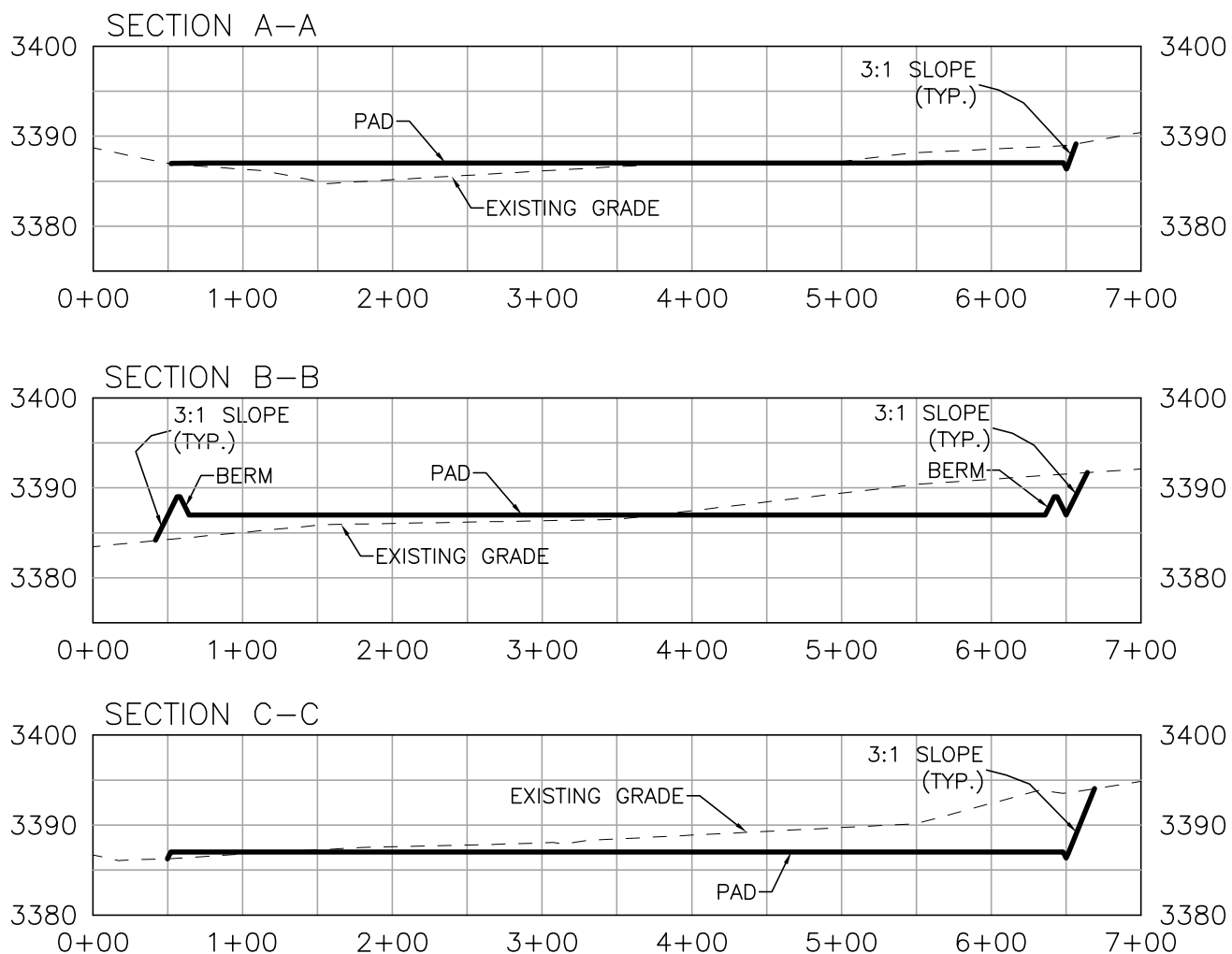


| CUT          | FILL        | NET                |
|--------------|-------------|--------------------|
| 16295 CU. YD | 5741 CU. YD | 10554 CU. YD (CUT) |

EARTHWORK QUANTITIES ARE ESTIMATED

SHEET 1-2  
 SURVEY NO. 8177A

# CROSS SECTIONS



I, FILIMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAN MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

FILIMON F. JARAMILLO 2797

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**GRADING PLAN AND CROSS SECTIONS**  
**FOR ALEUTIAN 10-3 FED COM 702H**  
 SECTION 10, TOWNSHIP 23 SOUTH,  
 RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2021

301 SOUTH CANAL  
 (575) 234-3341

**MARRON SURVEYING, INC. CARLSBAD, NEW MEXICO**

012 60 120 240  
 SCALE 1" = 120' - 1" = 20' VER

| CUT          | FILL        | NET                |
|--------------|-------------|--------------------|
| 16295 CU. YD | 5741 CU. YD | 10554 CU. YD (CUT) |

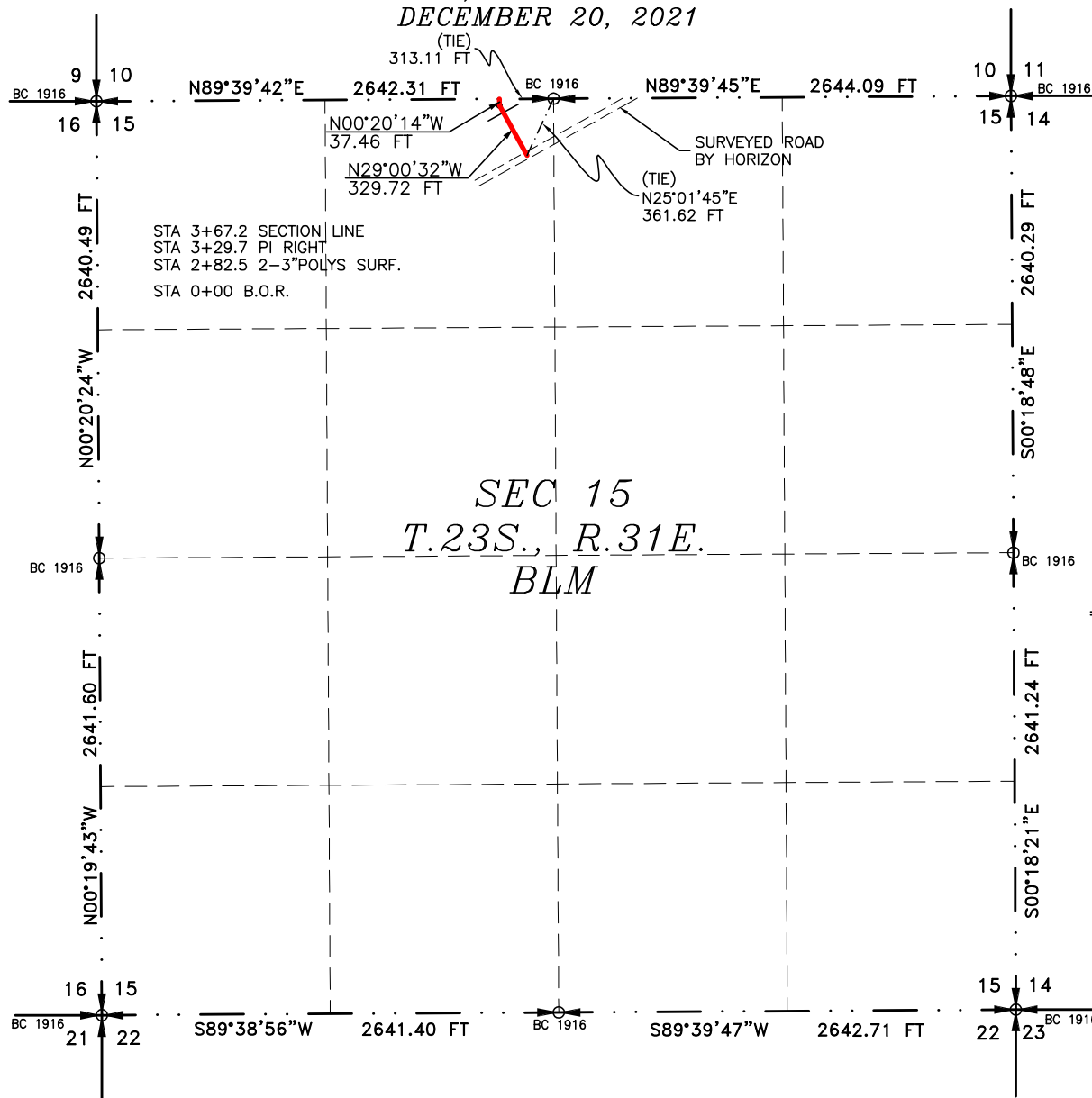
EARTHWORK QUANTITIES ARE ESTIMATED

**SHEET 2-2**  
 SURVEY NO. 8177A

**ACCESS ROAD PLAT (7660199R)**

ACCESS ROAD TO THE ALEUTIAN 10 WELLPAD 3  
(ALEUTIAN 10-3 FED COM 522H, 512H, 210H, 612H, 812H, 702H)

DEVON ENERGY PRODUCTION COMPANY, L.P.  
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 15, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
DECEMBER 20, 2021



SEE NEXT SHEET (2-4) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-4

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3341

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21 DAY OF DECEMBER 2021

FILMON F. JARAMILLO PLS. 12797  
NEW MEXICO PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3341

SURVEY NO. 8177A

**ACCESS ROAD PLAT (7660199R)**  
**ACCESS ROAD TO THE ALEUTIAN 10 WELLPAD 3**  
**(ALEUTIAN 10-3 FED COM 522H, 512H, 210H, 612H, 812H, 702H)**

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 15, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.**  
**EDDY COUNTY, STATE OF NEW MEXICO**  
**DECEMBER 20, 2021**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 15, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4 NW/4 OF SAID SECTION 15, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 15, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N25°01'45"E, A DISTANCE OF 361.62 FEET;  
 THENCE N29°00'32"W A DISTANCE OF 329.72 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N00°20'14"W A DISTANCE OF 37.46 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 15, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N89°39'42"E, A DISTANCE OF 313.11 FEET;

SAID STRIP OF LAND BEING 367.18 FEET OR 22.25 RODS IN LENGTH, CONTAINING 0.253 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4 367.18 L.F. 22.25 RODS 0.253 ACRES

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

**SHEET: 2-4**

**MADRON SURVEYING, INC.**

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21<sup>ST</sup> DAY OF DECEMBER 2021

FILIMON F. JARAMILLO PLS 12797

MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3341

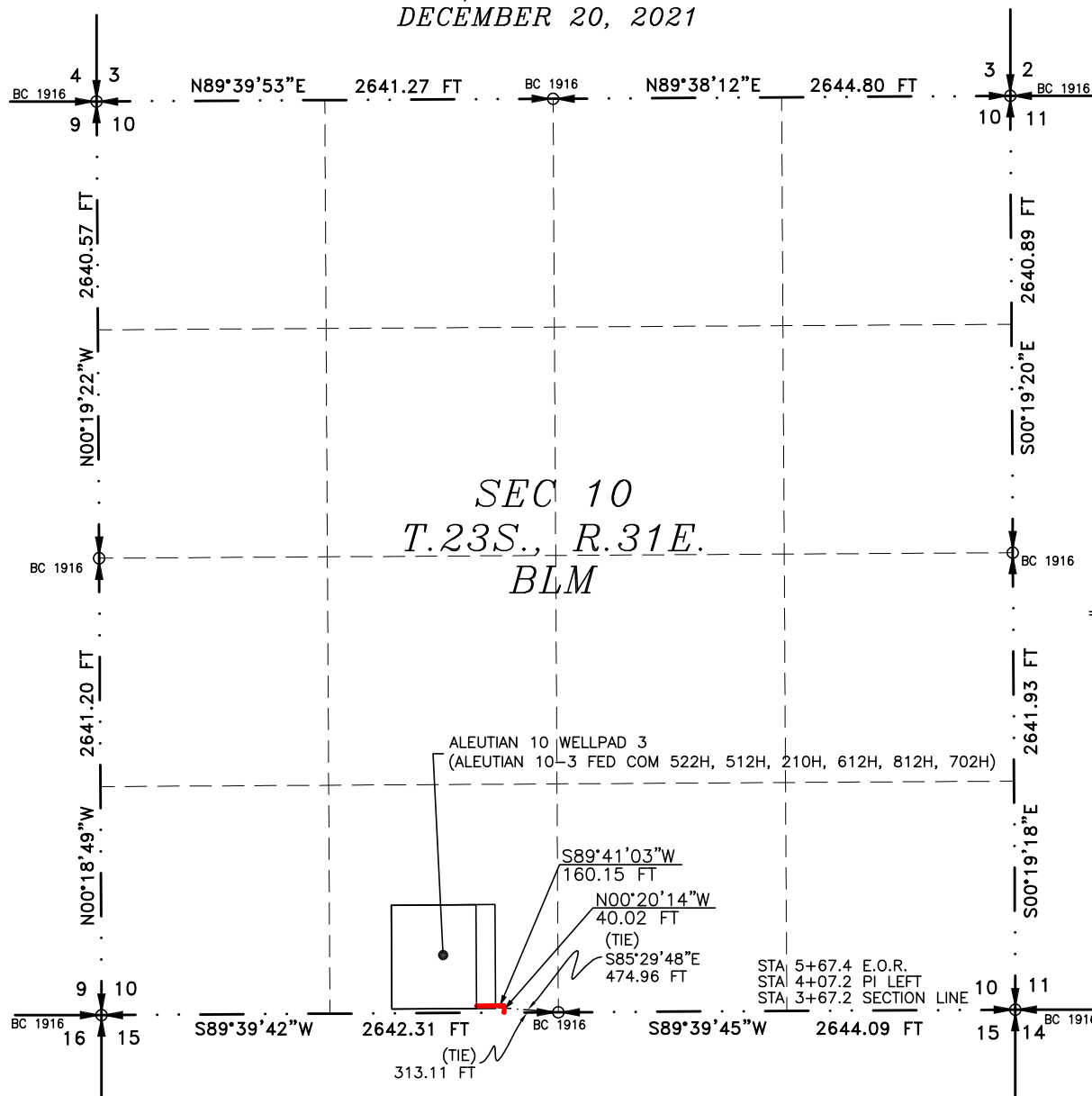
**SURVEY NO. 8177A**

301 SOUTH CANAL  
 (575) 234-3341

**CARLSBAD, NEW MEXICO**

**ACCESS ROAD PLAT (7660199R)**  
 ACCESS ROAD TO THE ALEUTIAN 10 WELLPAD 3  
 (ALEUTIAN 10-3 FED COM 522H, 512H, 210H, 612H, 812H, 702H)

DEVON ENERGY PRODUCTION COMPANY, L.P.  
 CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
 SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 DECEMBER 20, 2021



SEE NEXT SHEET (4-4) FOR DESCRIPTION



**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 3-4

**MADRON SURVEYING, INC.**

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21 DAY OF DECEMBER 2021

FILIMON F. JARAMILLO, PLS. 12797  
 NEW MEXICO PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3341

SURVEY NO. 8177A

**ACCESS ROAD PLAT (7660199R)**  
 ACCESS ROAD TO THE ALEUTIAN 10 WELLPAD 3  
 (ALEUTIAN 10-3 FED COM 522H, 512H, 210H, 612H, 812H, 702H)

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.**  
**EDDY COUNTY, STATE OF NEW MEXICO**  
**DECEMBER 20, 2021**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 SW/4 OF SAID SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N89°39'42"E, A DISTANCE OF 313.11 FEET;

THENCE N00°20'14"W A DISTANCE OF 40.02 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S89°41'03"W A DISTANCE OF 160.15 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S85°29'48"E, A DISTANCE OF 474.96 FEET;

SAID STRIP OF LAND BEING 200.17 FEET OR 12.13 RODS IN LENGTH, CONTAINING 0.138 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4 200.17 L.F. 12.13 RODS 0.138 ACRES

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21<sup>ST</sup> DAY OF DECEMBER 2021

  
 FILIMON F. JARAMILLO, PLS 12797

MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3341

**GENERAL NOTES**

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

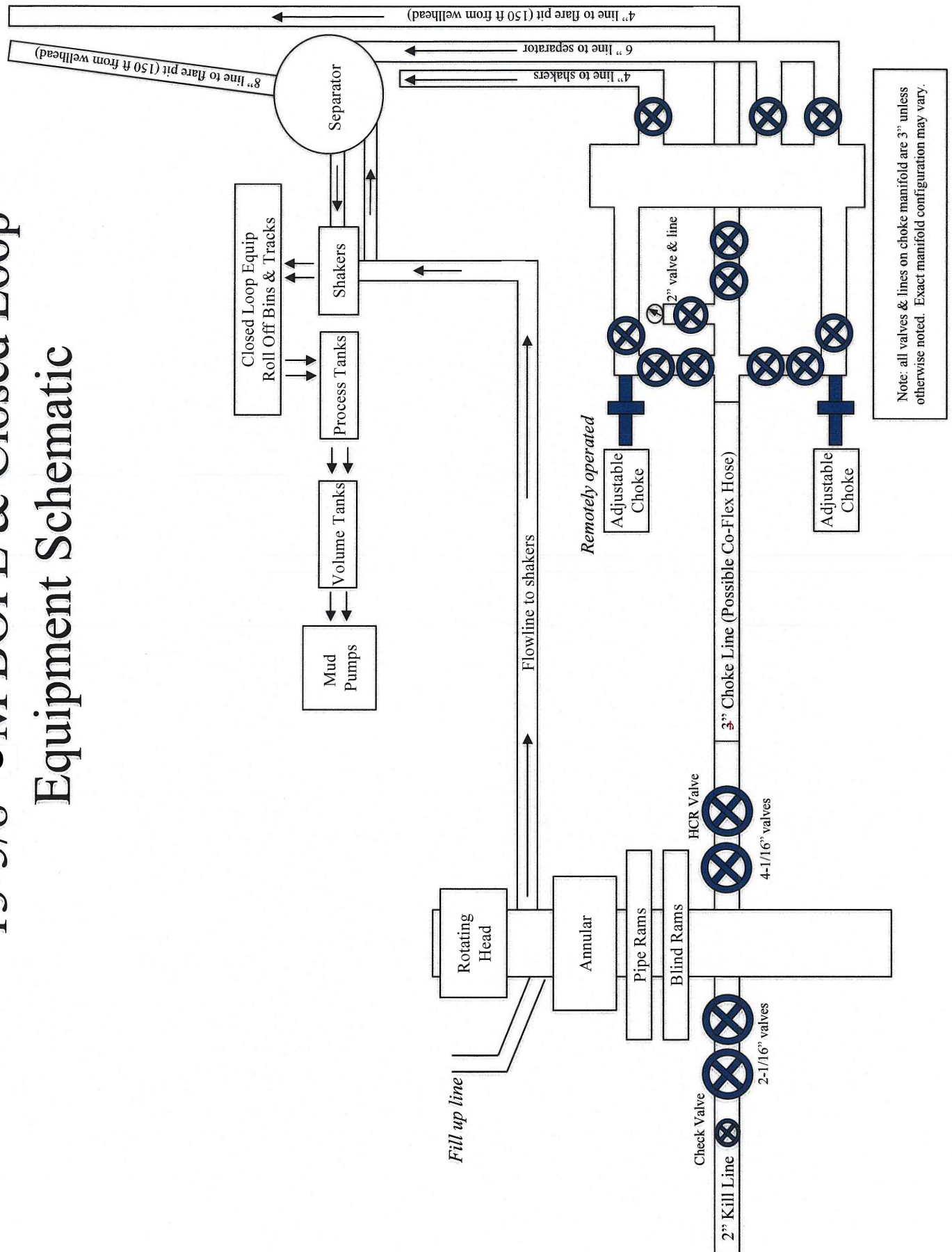
2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

**SHEET: 4-4**

**MADRON SURVEYING, INC.** 301 SOUTH CANAL CARLSBAD, NEW MEXICO  
 (575) 234-3341

**SURVEY NO. 8177A**

# 13-5/8" 5M BOPE & Closed Loop Equipment Schematic



## Aleutian 10-3 Fed Com 702H

**1. Geologic Formations**

|               |       |                              |     |
|---------------|-------|------------------------------|-----|
| TVD of target | 11750 | Pilot hole depth             | N/A |
| MD at TD:     | 22050 | Deepest expected fresh water |     |

**Basin**

| Formation            | Depth<br>(TVD)<br>from KB | Water/Mineral<br>Bearing/Target<br>Zone? | Hazards* |
|----------------------|---------------------------|------------------------------------------|----------|
| Rustler              | 545                       |                                          |          |
| Salt                 | 885                       |                                          |          |
| Base of Salt         | 4060                      |                                          |          |
| Delaware             | 4285                      |                                          |          |
| Cherry Canyon        | 5185                      |                                          |          |
| Brushy Canyon        | 6485                      |                                          |          |
| 1st Bone Spring Lime | 8135                      |                                          |          |
| Bone Spring 1st      | 9235                      |                                          |          |
| Bone Spring 2nd      | 9735                      |                                          |          |
| 3rd Bone Spring Lime | 10285                     |                                          |          |
| Bone Spring 3rd      | 10985                     |                                          |          |
| Wolfcamp             | 11455                     |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |
|                      |                           |                                          |          |

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

## Aleutian 10-3 Fed Com 702H

**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               | 570     | 0               | 570      |
| 9 7/8     | 8 5/8     | 32       | P110  | TLW  | 0               | 10985   | 0               | 10985    |
| 7 7/8     | 5 1/2     | 17       | P110  | BTC  | 0               | 22050   | 0               | 11750    |

• 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                    | 451       | Surf        | 13.2    | 1.44           | Lead: Class C Cement + additives         |
| Int 1                      | 405       | 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 |
|                            | 405       | Surf        | 9       | 3.27           | Lead: Class C Cement + additives         |
|                            | 465       | 4000' above | 13.2    | 1.44           | Tail: Class H / C + additives            |
| Production                 | 117       | 9265        | 9       | 3.27           | Lead: Class H / C + additives            |
|                            | 1427      | 11265       | 13.2    | 1.44           | Tail: Class H / C + additives            |

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

## Aleutian 10-3 Fed Com 702H

## 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" | 5M               | Annular (5M) |   | X          | 50% of rated working pressure |
|                                                      |                                                                                                      |         |                  | Blind Ram    |   | X          | 5M                            |
|                                                      |                                                                                                      |         |                  | 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                                         |         |                  |              |   |            |                               |

## Aleutian 10-3 Fed Com 702H

**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 | 6416                         |
| 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

## Aleutian 10-3 Fed Com 702H

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

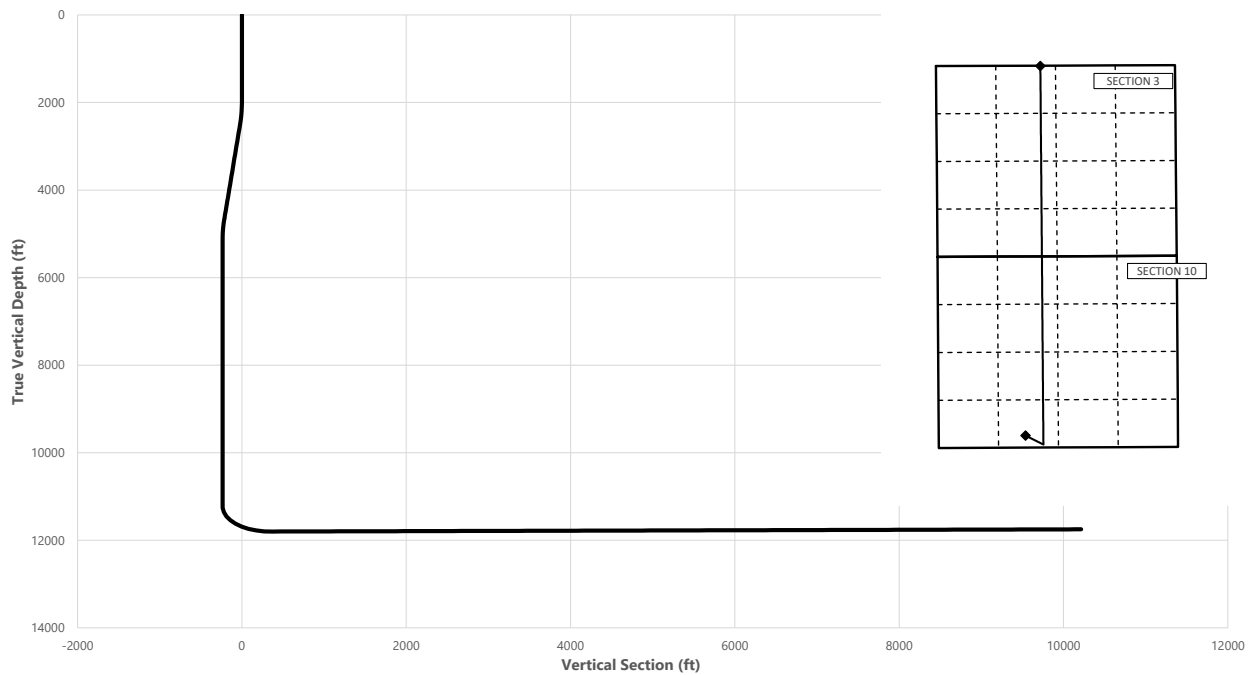
Aleutian 10-3 Fed Com 702H



**Well:** Aleutian 10-3 Fed Com 702H  
**County:** Eddy  
**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       | 122.00     | 2000.00     | 0.00       | 0.00       | 0.00       | 0.00             | Start Tangent    |
| 2500.00    | 10.00      | 122.00     | 2497.47     | -23.06     | 36.91      | -21.86     | 2.00             | Hold Tangent     |
| 4689.94    | 10.00      | 122.00     | 4654.14     | -224.58    | 359.40     | -212.89    | 0.00             | Drop to Vertical |
| 5189.94    | 0.00       | 122.00     | 5151.60     | -247.64    | 396.31     | -234.76    | 2.00             | Hold Vertical    |
| 11265.39   | 0.00       | 359.63     | 11227.05    | -247.64    | 396.31     | -234.76    | 0.00             | KOP              |
| 12168.29   | 90.29      | 359.63     | 11800.00    | 328.20     | 392.59     | 340.67     | 10.00            | Landing Point    |
| 22049.51   | 90.29      | 359.63     | 11750.00    | 10209.09   | 328.79     | 10214.38   | 0.00             | BHL              |



| Key Depths                      | MD<br>(ft) | TVD<br>(ft) |
|---------------------------------|------------|-------------|
| Rustler                         | 545.00     | 545.00      |
| Salt                            | 885.00     | 885.00      |
| Base of Salt                    | 4086.64    | 4060.00     |
| Delaware                        | 4315.11    | 4285.00     |
| Cherry Canyon                   | 5223.34    | 5185.00     |
| Brushy Canyon                   | 6523.34    | 6485.00     |
| 1st Bone Spring Lime            | 8173.34    | 8135.00     |
| Bone Spring 1st                 | 9273.34    | 9235.00     |
| Bone Spring 2nd                 | 9773.34    | 9735.00     |
| 3rd Bone Spring Lime            | 10323.34   | 10285.00    |
| Bone Spring 3rd                 | 11023.34   | 10985.00    |
| Wolfcamp / Point of Penetration | 11499.83   | 11455.00    |
| exit                            | 21969.51   | 11750.42    |

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

| MD<br>(ft) | TVD<br>(ft) | Lat<br>(°) | Long<br>(°) | Section Footages                            |
|------------|-------------|------------|-------------|---------------------------------------------|
| 0.00       | 0.00        | 32.3126    | -103.7681   | 325' FSL, 1919' FWL of Sec 10 in T23S, R31E |
| 11265.39   | 11227.05    | 32.3119    | -103.7668   | 82' FSL, 2311' FWL of Sec 10 in T23S, R31E  |
| 11499.83   | 11455.00    | 32.3120    | -103.7668   | 100' FSL, 2310' FWL of Sec 10 in T23S, R31E |
| 21969.51   | 11750.42    | 32.3405    | -103.7668   | 100' FNL, 2310' FWL of Sec 3 in T23S, R31E  |
| 22049.51   | 11750.00    | 32.3406    | -103.7669   | 20' FNL, 2310' FWL of Sec 3 in T23S, R31E   |

Aleutian 10-3 Fed Com 702H



**Well:** Aleutian 10-3 Fed Com 702H  
**County:** Eddy  
**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              |
| 100.00     | 0.00       | 122.00     | 100.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 200.00     | 0.00       | 122.00     | 200.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 300.00     | 0.00       | 122.00     | 300.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 400.00     | 0.00       | 122.00     | 400.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 500.00     | 0.00       | 122.00     | 500.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 545.00     | 0.00       | 122.00     | 545.00      | 0.00       | 0.00       | 0.00       | 0.00             | Rustler          |
| 600.00     | 0.00       | 122.00     | 600.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 700.00     | 0.00       | 122.00     | 700.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 800.00     | 0.00       | 122.00     | 800.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 885.00     | 0.00       | 122.00     | 885.00      | 0.00       | 0.00       | 0.00       | 0.00             | Salt             |
| 900.00     | 0.00       | 122.00     | 900.00      | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1000.00    | 0.00       | 122.00     | 1000.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1100.00    | 0.00       | 122.00     | 1100.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1200.00    | 0.00       | 122.00     | 1200.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1300.00    | 0.00       | 122.00     | 1300.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1400.00    | 0.00       | 122.00     | 1400.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1500.00    | 0.00       | 122.00     | 1500.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1600.00    | 0.00       | 122.00     | 1600.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1700.00    | 0.00       | 122.00     | 1700.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1800.00    | 0.00       | 122.00     | 1800.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 1900.00    | 0.00       | 122.00     | 1900.00     | 0.00       | 0.00       | 0.00       | 0.00             |                  |
| 2000.00    | 0.00       | 122.00     | 2000.00     | 0.00       | 0.00       | 0.00       | 0.00             | Start Tangent    |
| 2100.00    | 2.00       | 122.00     | 2099.98     | -0.92      | 1.48       | -0.88      | 2.00             |                  |
| 2200.00    | 4.00       | 122.00     | 2199.84     | -3.70      | 5.92       | -3.51      | 2.00             |                  |
| 2300.00    | 6.00       | 122.00     | 2299.45     | -8.32      | 13.31      | -7.88      | 2.00             |                  |
| 2400.00    | 8.00       | 122.00     | 2398.70     | -14.77     | 23.64      | -14.01     | 2.00             |                  |
| 2500.00    | 10.00      | 122.00     | 2497.47     | -23.06     | 36.91      | -21.86     | 2.00             | Hold Tangent     |
| 2600.00    | 10.00      | 122.00     | 2595.95     | -32.27     | 51.64      | -30.59     | 0.00             |                  |
| 2700.00    | 10.00      | 122.00     | 2694.43     | -41.47     | 66.36      | -39.31     | 0.00             |                  |
| 2800.00    | 10.00      | 122.00     | 2792.91     | -50.67     | 81.09      | -48.03     | 0.00             |                  |
| 2900.00    | 10.00      | 122.00     | 2891.39     | -59.87     | 95.81      | -56.76     | 0.00             |                  |
| 3000.00    | 10.00      | 122.00     | 2989.87     | -69.07     | 110.54     | -65.48     | 0.00             |                  |
| 3100.00    | 10.00      | 122.00     | 3088.35     | -78.27     | 125.27     | -74.20     | 0.00             |                  |
| 3200.00    | 10.00      | 122.00     | 3186.83     | -87.48     | 139.99     | -82.93     | 0.00             |                  |
| 3300.00    | 10.00      | 122.00     | 3285.31     | -96.68     | 154.72     | -91.65     | 0.00             |                  |
| 3400.00    | 10.00      | 122.00     | 3383.79     | -105.88    | 169.45     | -100.37    | 0.00             |                  |
| 3500.00    | 10.00      | 122.00     | 3482.27     | -115.08    | 184.17     | -109.09    | 0.00             |                  |
| 3600.00    | 10.00      | 122.00     | 3580.75     | -124.28    | 198.90     | -117.82    | 0.00             |                  |
| 3700.00    | 10.00      | 122.00     | 3679.23     | -133.49    | 213.62     | -126.54    | 0.00             |                  |
| 3800.00    | 10.00      | 122.00     | 3777.72     | -142.69    | 228.35     | -135.26    | 0.00             |                  |
| 3900.00    | 10.00      | 122.00     | 3876.20     | -151.89    | 243.08     | -143.99    | 0.00             |                  |
| 4000.00    | 10.00      | 122.00     | 3974.68     | -161.09    | 257.80     | -152.71    | 0.00             |                  |
| 4086.64    | 10.00      | 122.00     | 4060.00     | -169.06    | 270.56     | -160.27    | 0.00             | Base of Salt     |
| 4100.00    | 10.00      | 122.00     | 4073.16     | -170.29    | 272.53     | -161.43    | 0.00             |                  |
| 4200.00    | 10.00      | 122.00     | 4171.64     | -179.50    | 287.25     | -170.16    | 0.00             |                  |
| 4300.00    | 10.00      | 122.00     | 4270.12     | -188.70    | 301.98     | -178.88    | 0.00             |                  |
| 4315.11    | 10.00      | 122.00     | 4285.00     | -190.09    | 304.21     | -180.20    | 0.00             | Delaware         |
| 4400.00    | 10.00      | 122.00     | 4368.60     | -197.90    | 316.71     | -187.60    | 0.00             |                  |
| 4500.00    | 10.00      | 122.00     | 4467.08     | -207.10    | 331.43     | -196.33    | 0.00             |                  |
| 4600.00    | 10.00      | 122.00     | 4565.56     | -216.30    | 346.16     | -205.05    | 0.00             |                  |
| 4689.94    | 10.00      | 122.00     | 4654.14     | -224.58    | 359.40     | -212.89    | 0.00             | Drop to Vertical |
| 4700.00    | 9.80       | 122.00     | 4664.05     | -225.50    | 360.87     | -213.76    | 2.00             |                  |
| 4800.00    | 7.80       | 122.00     | 4762.86     | -233.60    | 373.84     | -221.45    | 2.00             |                  |
| 4900.00    | 5.80       | 122.00     | 4862.16     | -239.88    | 383.88     | -227.39    | 2.00             |                  |
| 5000.00    | 3.80       | 122.00     | 4961.80     | -244.31    | 390.98     | -231.60    | 2.00             |                  |
| 5100.00    | 1.80       | 122.00     | 5061.68     | -246.90    | 395.12     | -234.05    | 2.00             |                  |
| 5189.94    | 0.00       | 122.00     | 5151.60     | -247.64    | 396.31     | -234.76    | 2.00             | Hold Vertical    |
| 5200.00    | 0.00       | 359.63     | 5161.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5223.34    | 0.00       | 359.63     | 5185.00     | -247.64    | 396.31     | -234.76    | 0.00             | Cherry Canyon    |
| 5300.00    | 0.00       | 359.63     | 5261.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5400.00    | 0.00       | 359.63     | 5361.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5500.00    | 0.00       | 359.63     | 5461.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5600.00    | 0.00       | 359.63     | 5561.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5700.00    | 0.00       | 359.63     | 5661.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5800.00    | 0.00       | 359.63     | 5761.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 5900.00    | 0.00       | 359.63     | 5861.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 6000.00    | 0.00       | 359.63     | 5961.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 6100.00    | 0.00       | 359.63     | 6061.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |
| 6200.00    | 0.00       | 359.63     | 6161.66     | -247.64    | 396.31     | -234.76    | 0.00             |                  |

Aleutian 10-3 Fed Com 702H



**Well:** Aleutian 10-3 Fed Com 702H  
**County:** Eddy  
**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                         |
|------------|------------|------------|-------------|------------|------------|------------|------------------|---------------------------------|
| 6300.00    | 0.00       | 359.63     | 6261.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 6400.00    | 0.00       | 359.63     | 6361.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 6500.00    | 0.00       | 359.63     | 6461.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 6523.34    | 0.00       | 359.63     | 6485.00     | -247.64    | 396.31     | -234.76    | 0.00             | Brushy Canyon                   |
| 6600.00    | 0.00       | 359.63     | 6561.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 6700.00    | 0.00       | 359.63     | 6661.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 6800.00    | 0.00       | 359.63     | 6761.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 6900.00    | 0.00       | 359.63     | 6861.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7000.00    | 0.00       | 359.63     | 6961.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7100.00    | 0.00       | 359.63     | 7061.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7200.00    | 0.00       | 359.63     | 7161.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7300.00    | 0.00       | 359.63     | 7261.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7400.00    | 0.00       | 359.63     | 7361.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7500.00    | 0.00       | 359.63     | 7461.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7600.00    | 0.00       | 359.63     | 7561.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7700.00    | 0.00       | 359.63     | 7661.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7800.00    | 0.00       | 359.63     | 7761.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 7900.00    | 0.00       | 359.63     | 7861.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8000.00    | 0.00       | 359.63     | 7961.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8100.00    | 0.00       | 359.63     | 8061.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8173.34    | 0.00       | 359.63     | 8135.00     | -247.64    | 396.31     | -234.76    | 0.00             | 1st Bone Spring Lime            |
| 8200.00    | 0.00       | 359.63     | 8161.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8300.00    | 0.00       | 359.63     | 8261.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8400.00    | 0.00       | 359.63     | 8361.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8500.00    | 0.00       | 359.63     | 8461.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8600.00    | 0.00       | 359.63     | 8561.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8700.00    | 0.00       | 359.63     | 8661.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8800.00    | 0.00       | 359.63     | 8761.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 8900.00    | 0.00       | 359.63     | 8861.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9000.00    | 0.00       | 359.63     | 8961.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9100.00    | 0.00       | 359.63     | 9061.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9200.00    | 0.00       | 359.63     | 9161.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9273.34    | 0.00       | 359.63     | 9235.00     | -247.64    | 396.31     | -234.76    | 0.00             | Bone Spring 1st                 |
| 9300.00    | 0.00       | 359.63     | 9261.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9400.00    | 0.00       | 359.63     | 9361.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9500.00    | 0.00       | 359.63     | 9461.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9600.00    | 0.00       | 359.63     | 9561.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9700.00    | 0.00       | 359.63     | 9661.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9773.34    | 0.00       | 359.63     | 9735.00     | -247.64    | 396.31     | -234.76    | 0.00             | Bone Spring 2nd                 |
| 9800.00    | 0.00       | 359.63     | 9761.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 9900.00    | 0.00       | 359.63     | 9861.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10000.00   | 0.00       | 359.63     | 9961.66     | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10100.00   | 0.00       | 359.63     | 10061.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10200.00   | 0.00       | 359.63     | 10161.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10300.00   | 0.00       | 359.63     | 10261.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10323.34   | 0.00       | 359.63     | 10285.00    | -247.64    | 396.31     | -234.76    | 0.00             | 3rd Bone Spring Lime            |
| 10400.00   | 0.00       | 359.63     | 10361.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10500.00   | 0.00       | 359.63     | 10461.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10600.00   | 0.00       | 359.63     | 10561.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10700.00   | 0.00       | 359.63     | 10661.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10800.00   | 0.00       | 359.63     | 10761.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 10900.00   | 0.00       | 359.63     | 10861.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 11000.00   | 0.00       | 359.63     | 10961.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 11023.34   | 0.00       | 359.63     | 10985.00    | -247.64    | 396.31     | -234.76    | 0.00             | Bone Spring 3rd                 |
| 11100.00   | 0.00       | 359.63     | 11061.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 11200.00   | 0.00       | 359.63     | 11161.66    | -247.64    | 396.31     | -234.76    | 0.00             |                                 |
| 11265.39   | 0.00       | 359.63     | 11227.05    | -247.64    | 396.31     | -234.76    | 0.00             | KOP                             |
| 11300.00   | 3.46       | 359.63     | 11261.64    | -246.60    | 396.31     | -233.71    | 10.00            |                                 |
| 11400.00   | 13.46      | 359.63     | 11360.43    | -231.90    | 396.21     | -219.03    | 10.00            |                                 |
| 11499.83   | 23.44      | 359.63     | 11455.00    | -200.35    | 396.01     | -187.50    | 10.00            | Wolfcamp / Point of Penetration |
| 11500.00   | 23.46      | 359.63     | 11455.16    | -200.28    | 396.01     | -187.43    | 10.00            |                                 |
| 11600.00   | 33.46      | 359.63     | 11542.96    | -152.68    | 395.70     | -139.87    | 10.00            |                                 |
| 11700.00   | 43.46      | 359.63     | 11621.17    | -90.57     | 395.30     | -77.80     | 10.00            |                                 |
| 11800.00   | 53.46      | 359.63     | 11687.39    | -15.81     | 394.82     | -3.10      | 10.00            |                                 |
| 11900.00   | 63.46      | 359.63     | 11739.64    | 69.31      | 394.27     | 81.96      | 10.00            |                                 |
| 12000.00   | 73.46      | 359.63     | 11776.30    | 162.20     | 393.66     | 174.79     | 10.00            |                                 |
| 12100.00   | 83.46      | 359.63     | 11796.28    | 260.06     | 393.03     | 272.57     | 10.00            |                                 |
| 12168.29   | 90.29      | 359.63     | 11800.00    | 328.20     | 392.59     | 340.67     | 10.00            | Landing Point                   |
| 12200.00   | 90.29      | 359.63     | 11799.84    | 359.91     | 392.39     | 372.36     | 0.00             |                                 |
| 12300.00   | 90.29      | 359.63     | 11799.33    | 459.91     | 391.74     | 472.28     | 0.00             |                                 |

Aleutian 10-3 Fed Com 702H



**Well:** Aleutian 10-3 Fed Com 702H  
**County:** Eddy  
**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 |
|------------|------------|------------|-------------|------------|------------|------------|------------------|---------|
| 12400.00   | 90.29      | 359.63     | 11798.83    | 559.90     | 391.10     | 572.20     | 0.00             |         |
| 12500.00   | 90.29      | 359.63     | 11798.32    | 659.90     | 390.45     | 672.13     | 0.00             |         |
| 12600.00   | 90.29      | 359.63     | 11797.82    | 759.90     | 389.80     | 772.05     | 0.00             |         |
| 12700.00   | 90.29      | 359.63     | 11797.31    | 859.89     | 389.16     | 871.98     | 0.00             |         |
| 12800.00   | 90.29      | 359.63     | 11796.81    | 959.89     | 388.51     | 971.90     | 0.00             |         |
| 12900.00   | 90.29      | 359.63     | 11796.30    | 1059.89    | 387.87     | 1071.82    | 0.00             |         |
| 13000.00   | 90.29      | 359.63     | 11795.79    | 1159.88    | 387.22     | 1171.75    | 0.00             |         |
| 13100.00   | 90.29      | 359.63     | 11795.29    | 1259.88    | 386.57     | 1271.67    | 0.00             |         |
| 13200.00   | 90.29      | 359.63     | 11794.78    | 1359.88    | 385.93     | 1371.60    | 0.00             |         |
| 13300.00   | 90.29      | 359.63     | 11794.28    | 1459.87    | 385.28     | 1471.52    | 0.00             |         |
| 13400.00   | 90.29      | 359.63     | 11793.77    | 1559.87    | 384.63     | 1571.44    | 0.00             |         |
| 13500.00   | 90.29      | 359.63     | 11793.26    | 1659.87    | 383.99     | 1671.37    | 0.00             |         |
| 13600.00   | 90.29      | 359.63     | 11792.76    | 1759.86    | 383.34     | 1771.29    | 0.00             |         |
| 13700.00   | 90.29      | 359.63     | 11792.25    | 1859.86    | 382.70     | 1871.22    | 0.00             |         |
| 13800.00   | 90.29      | 359.63     | 11791.75    | 1959.86    | 382.05     | 1971.14    | 0.00             |         |
| 13900.00   | 90.29      | 359.63     | 11791.24    | 2059.85    | 381.40     | 2071.06    | 0.00             |         |
| 14000.00   | 90.29      | 359.63     | 11790.73    | 2159.85    | 380.76     | 2170.99    | 0.00             |         |
| 14100.00   | 90.29      | 359.63     | 11790.23    | 2259.85    | 380.11     | 2270.91    | 0.00             |         |
| 14200.00   | 90.29      | 359.63     | 11789.72    | 2359.84    | 379.46     | 2370.84    | 0.00             |         |
| 14300.00   | 90.29      | 359.63     | 11789.22    | 2459.84    | 378.82     | 2470.76    | 0.00             |         |
| 14400.00   | 90.29      | 359.63     | 11788.71    | 2559.84    | 378.17     | 2570.68    | 0.00             |         |
| 14500.00   | 90.29      | 359.63     | 11788.21    | 2659.83    | 377.53     | 2670.61    | 0.00             |         |
| 14600.00   | 90.29      | 359.63     | 11787.70    | 2759.83    | 376.88     | 2770.53    | 0.00             |         |
| 14700.00   | 90.29      | 359.63     | 11787.19    | 2859.83    | 376.23     | 2870.46    | 0.00             |         |
| 14800.00   | 90.29      | 359.63     | 11786.69    | 2959.82    | 375.59     | 2970.38    | 0.00             |         |
| 14900.00   | 90.29      | 359.63     | 11786.18    | 3059.82    | 374.94     | 3070.30    | 0.00             |         |
| 15000.00   | 90.29      | 359.63     | 11785.68    | 3159.82    | 374.29     | 3170.23    | 0.00             |         |
| 15100.00   | 90.29      | 359.63     | 11785.17    | 3259.81    | 373.65     | 3270.15    | 0.00             |         |
| 15200.00   | 90.29      | 359.63     | 11784.66    | 3359.81    | 373.00     | 3370.08    | 0.00             |         |
| 15300.00   | 90.29      | 359.63     | 11784.16    | 3459.81    | 372.36     | 3470.00    | 0.00             |         |
| 15400.00   | 90.29      | 359.63     | 11783.65    | 3559.80    | 371.71     | 3569.92    | 0.00             |         |
| 15500.00   | 90.29      | 359.63     | 11783.15    | 3659.80    | 371.06     | 3669.85    | 0.00             |         |
| 15600.00   | 90.29      | 359.63     | 11782.64    | 3759.80    | 370.42     | 3769.77    | 0.00             |         |
| 15700.00   | 90.29      | 359.63     | 11782.13    | 3859.79    | 369.77     | 3869.70    | 0.00             |         |
| 15800.00   | 90.29      | 359.63     | 11781.63    | 3959.79    | 369.12     | 3969.62    | 0.00             |         |
| 15900.00   | 90.29      | 359.63     | 11781.12    | 4059.79    | 368.48     | 4069.54    | 0.00             |         |
| 16000.00   | 90.29      | 359.63     | 11780.62    | 4159.78    | 367.83     | 4169.47    | 0.00             |         |
| 16100.00   | 90.29      | 359.63     | 11780.11    | 4259.78    | 367.18     | 4269.39    | 0.00             |         |
| 16200.00   | 90.29      | 359.63     | 11779.61    | 4359.78    | 366.54     | 4369.32    | 0.00             |         |
| 16300.00   | 90.29      | 359.63     | 11779.10    | 4459.77    | 365.89     | 4469.24    | 0.00             |         |
| 16400.00   | 90.29      | 359.63     | 11778.59    | 4559.77    | 365.25     | 4569.16    | 0.00             |         |
| 16500.00   | 90.29      | 359.63     | 11778.09    | 4659.77    | 364.60     | 4669.09    | 0.00             |         |
| 16600.00   | 90.29      | 359.63     | 11777.58    | 4759.76    | 363.95     | 4769.01    | 0.00             |         |
| 16700.00   | 90.29      | 359.63     | 11777.08    | 4859.76    | 363.31     | 4868.94    | 0.00             |         |
| 16800.00   | 90.29      | 359.63     | 11776.57    | 4959.76    | 362.66     | 4968.86    | 0.00             |         |
| 16900.00   | 90.29      | 359.63     | 11776.06    | 5059.75    | 362.01     | 5068.78    | 0.00             |         |
| 17000.00   | 90.29      | 359.63     | 11775.56    | 5159.75    | 361.37     | 5168.71    | 0.00             |         |
| 17100.00   | 90.29      | 359.63     | 11775.05    | 5259.75    | 360.72     | 5268.63    | 0.00             |         |
| 17200.00   | 90.29      | 359.63     | 11774.55    | 5359.74    | 360.08     | 5368.56    | 0.00             |         |
| 17300.00   | 90.29      | 359.63     | 11774.04    | 5459.74    | 359.43     | 5468.48    | 0.00             |         |
| 17400.00   | 90.29      | 359.63     | 11773.53    | 5559.74    | 358.78     | 5568.40    | 0.00             |         |
| 17500.00   | 90.29      | 359.63     | 11773.03    | 5659.73    | 358.14     | 5668.33    | 0.00             |         |
| 17600.00   | 90.29      | 359.63     | 11772.52    | 5759.73    | 357.49     | 5768.25    | 0.00             |         |
| 17700.00   | 90.29      | 359.63     | 11772.02    | 5859.73    | 356.84     | 5868.18    | 0.00             |         |
| 17800.00   | 90.29      | 359.63     | 11771.51    | 5959.72    | 356.20     | 5968.10    | 0.00             |         |
| 17900.00   | 90.29      | 359.63     | 11771.01    | 6059.72    | 355.55     | 6068.02    | 0.00             |         |
| 18000.00   | 90.29      | 359.63     | 11770.50    | 6159.72    | 354.91     | 6167.95    | 0.00             |         |
| 18100.00   | 90.29      | 359.63     | 11769.99    | 6259.71    | 354.26     | 6267.87    | 0.00             |         |
| 18200.00   | 90.29      | 359.63     | 11769.49    | 6359.71    | 353.61     | 6367.80    | 0.00             |         |
| 18300.00   | 90.29      | 359.63     | 11768.98    | 6459.71    | 352.97     | 6467.72    | 0.00             |         |
| 18400.00   | 90.29      | 359.63     | 11768.48    | 6559.70    | 352.32     | 6567.64    | 0.00             |         |
| 18500.00   | 90.29      | 359.63     | 11767.97    | 6659.70    | 351.67     | 6667.57    | 0.00             |         |
| 18600.00   | 90.29      | 359.63     | 11767.46    | 6759.70    | 351.03     | 6767.49    | 0.00             |         |
| 18700.00   | 90.29      | 359.63     | 11766.96    | 6859.69    | 350.38     | 6867.42    | 0.00             |         |
| 18800.00   | 90.29      | 359.63     | 11766.45    | 6959.69    | 349.73     | 6967.34    | 0.00             |         |
| 18900.00   | 90.29      | 359.63     | 11765.95    | 7059.69    | 349.09     | 7067.26    | 0.00             |         |
| 19000.00   | 90.29      | 359.63     | 11765.44    | 7159.68    | 348.44     | 7167.19    | 0.00             |         |
| 19100.00   | 90.29      | 359.63     | 11764.93    | 7259.68    | 347.80     | 7267.11    | 0.00             |         |
| 19200.00   | 90.29      | 359.63     | 11764.43    | 7359.68    | 347.15     | 7367.04    | 0.00             |         |
| 19300.00   | 90.29      | 359.63     | 11763.92    | 7459.67    | 346.50     | 7466.96    | 0.00             |         |

Aleutian 10-3 Fed Com 702H



**Well:** Aleutian 10-3 Fed Com 702H  
**County:** Eddy  
**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 |
|------------|------------|------------|-------------|------------|------------|------------|------------------|---------|
| 19400.00   | 90.29      | 359.63     | 11763.42    | 7559.67    | 345.86     | 7566.88    | 0.00             |         |
| 19500.00   | 90.29      | 359.63     | 11762.91    | 7659.67    | 345.21     | 7666.81    | 0.00             |         |
| 19600.00   | 90.29      | 359.63     | 11762.41    | 7759.66    | 344.56     | 7766.73    | 0.00             |         |
| 19700.00   | 90.29      | 359.63     | 11761.90    | 7859.66    | 343.92     | 7866.66    | 0.00             |         |
| 19800.00   | 90.29      | 359.63     | 11761.39    | 7959.66    | 343.27     | 7966.58    | 0.00             |         |
| 19900.00   | 90.29      | 359.63     | 11760.89    | 8059.65    | 342.63     | 8066.50    | 0.00             |         |
| 20000.00   | 90.29      | 359.63     | 11760.38    | 8159.65    | 341.98     | 8166.43    | 0.00             |         |
| 20100.00   | 90.29      | 359.63     | 11759.88    | 8259.65    | 341.33     | 8266.35    | 0.00             |         |
| 20200.00   | 90.29      | 359.63     | 11759.37    | 8359.64    | 340.69     | 8366.28    | 0.00             |         |
| 20300.00   | 90.29      | 359.63     | 11758.86    | 8459.64    | 340.04     | 8466.20    | 0.00             |         |
| 20400.00   | 90.29      | 359.63     | 11758.36    | 8559.64    | 339.39     | 8566.12    | 0.00             |         |
| 20500.00   | 90.29      | 359.63     | 11757.85    | 8659.63    | 338.75     | 8666.05    | 0.00             |         |
| 20600.00   | 90.29      | 359.63     | 11757.35    | 8759.63    | 338.10     | 8765.97    | 0.00             |         |
| 20700.00   | 90.29      | 359.63     | 11756.84    | 8859.62    | 337.46     | 8865.90    | 0.00             |         |
| 20800.00   | 90.29      | 359.63     | 11756.33    | 8959.62    | 336.81     | 8965.82    | 0.00             |         |
| 20900.00   | 90.29      | 359.63     | 11755.83    | 9059.62    | 336.16     | 9065.74    | 0.00             |         |
| 21000.00   | 90.29      | 359.63     | 11755.32    | 9159.61    | 335.52     | 9165.67    | 0.00             |         |
| 21100.00   | 90.29      | 359.63     | 11754.82    | 9259.61    | 334.87     | 9265.59    | 0.00             |         |
| 21200.00   | 90.29      | 359.63     | 11754.31    | 9359.61    | 334.22     | 9365.52    | 0.00             |         |
| 21300.00   | 90.29      | 359.63     | 11753.81    | 9459.60    | 333.58     | 9465.44    | 0.00             |         |
| 21400.00   | 90.29      | 359.63     | 11753.30    | 9559.60    | 332.93     | 9565.36    | 0.00             |         |
| 21500.00   | 90.29      | 359.63     | 11752.79    | 9659.60    | 332.29     | 9665.29    | 0.00             |         |
| 21600.00   | 90.29      | 359.63     | 11752.29    | 9759.59    | 331.64     | 9765.21    | 0.00             |         |
| 21700.00   | 90.29      | 359.63     | 11751.78    | 9859.59    | 330.99     | 9865.14    | 0.00             |         |
| 21800.00   | 90.29      | 359.63     | 11751.28    | 9959.59    | 330.35     | 9965.06    | 0.00             |         |
| 21900.00   | 90.29      | 359.63     | 11750.77    | 10059.58   | 329.70     | 10064.98   | 0.00             |         |
| 21969.51   | 90.29      | 359.63     | 11750.42    | 10129.09   | 329.25     | 10134.44   | 0.00             | exit    |
| 22000.00   | 90.29      | 359.63     | 11750.26    | 10159.58   | 329.05     | 10164.91   | 0.00             |         |
| 22049.51   | 90.29      | 359.63     | 11750.00    | 10209.09   | 328.79     | 10214.38   | 0.00             | BHL     |

Aleutian 10-3 Fed Com 702H

**Well:** Aleutian 10-3 Fed Com 702H  
**County:** Eddy  
**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) |         |



**Devon Energy Center  
333 West Sheridan Avenue  
Oklahoma City, Oklahoma 73102-5015**

# **Hydrogen Sulfide (H<sub>2</sub>S) Contingency Plan**

**For**

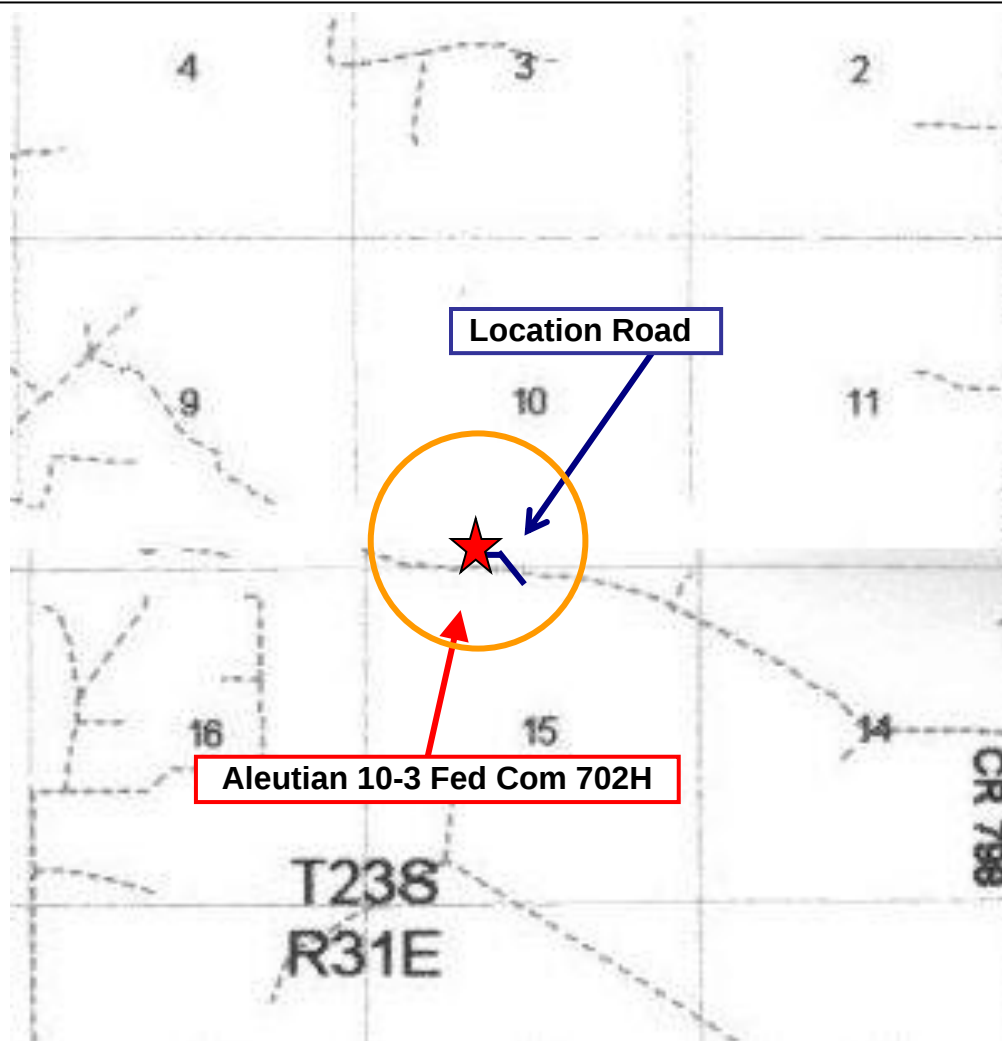
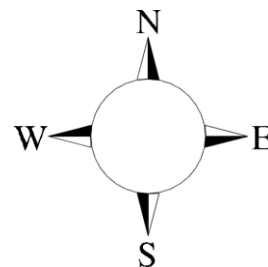
**Aleutian 10-3 Fed Com 702H**

**Sec-10 T-23S R-31E  
325 FSL & 1919' FWL  
LAT. = 32.3126341 N (NAD83)  
LONG = 103.7680211 W**

**Eddy County NM**

## Aleutian 10-3 Fed Com 702H

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.



Assumed 100 ppm ROE = 3000' (Radius of Exposure)  
100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

### Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

**Assumed 100 ppm ROE = 3000'**

## 100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

### Emergency Procedures

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H<sub>2</sub>S monitors and air packs in order to control the release.
- Use the “buddy system” to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
  - Detection of H<sub>2</sub>S, and
  - Measures for protection against the gas,
  - Equipment used for protection and emergency response.

### **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

### **Characteristics of H<sub>2</sub>S and SO<sub>2</sub>**

| <b>Common Name</b>      | <b>Chemical Formula</b> | <b>Specific Gravity</b> | <b>Threshold Limit</b> | <b>Hazardous Limit</b> | <b>Lethal Concentration</b> |
|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-----------------------------|
| <b>Hydrogen Sulfide</b> | H <sub>2</sub> S        | 1.189<br>Air = 1        | 10 ppm                 | 100 ppm/hr             | 600 ppm                     |
| <b>Sulfur Dioxide</b>   | SO <sub>2</sub>         | 2.21<br>Air = 1         | 2 ppm                  | N/A                    | 1000 ppm                    |

### **Contacting Authorities**

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

## Hydrogen Sulfide Drilling Operation Plan

### I. HYDROGEN SULFIDE (H<sub>2</sub>S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H<sub>2</sub>S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan.

There will be weekly H<sub>2</sub>S and well control drills for all personnel in each crew.

### II. HYDROGEN SULFIDE TRAINING

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H<sub>2</sub>S.

## **1. Well Control Equipment**

- A. Flare line
- B. Choke manifold – Remotely Operated
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- D. Auxiliary equipment may include if applicable: annular preventer and rotating head.
- E. Mud/Gas Separator

## **2. Protective equipment for essential personnel:**

30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

Fire extinguishers are located at various locations around the rig. First Aid supplies are located in the top doghouse and the rig manger's office.

## **3. H<sub>2</sub>S detection and monitoring equipment:**

Portable H<sub>2</sub>S monitors positioned on location for best coverage and response. These units have warning lights which activate when H<sub>2</sub>S levels reach 10 ppm and audible sirens which activate at 15 ppm. Sensor locations:

- Bell nipple
- Possum Belly/Shale shaker
- Rig floor
- Choke manifold
- Cellar

**4. Visual warning systems:**

- A. Wind direction indicators as shown on well site diagram
- B. Caution/Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

**5. Mud program:**

The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. Proper mud weight, safe drilling practices and the use of H<sub>2</sub>S scavengers will minimize hazards when penetrating H<sub>2</sub>S bearing zones.

**6. Metallurgy:**

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H<sub>2</sub>S trim.

All elastomers used for packing and seals shall be H<sub>2</sub>S trim.

**7. Communication:**

- a. Company personnel have/use cellular telephones in the field.
- b. Land line (telephone) communications at Office

**8. Well testing:**

- a. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H<sub>2</sub>S environment will use the closed chamber method of testing.
- b. There will be no drill stem testing.

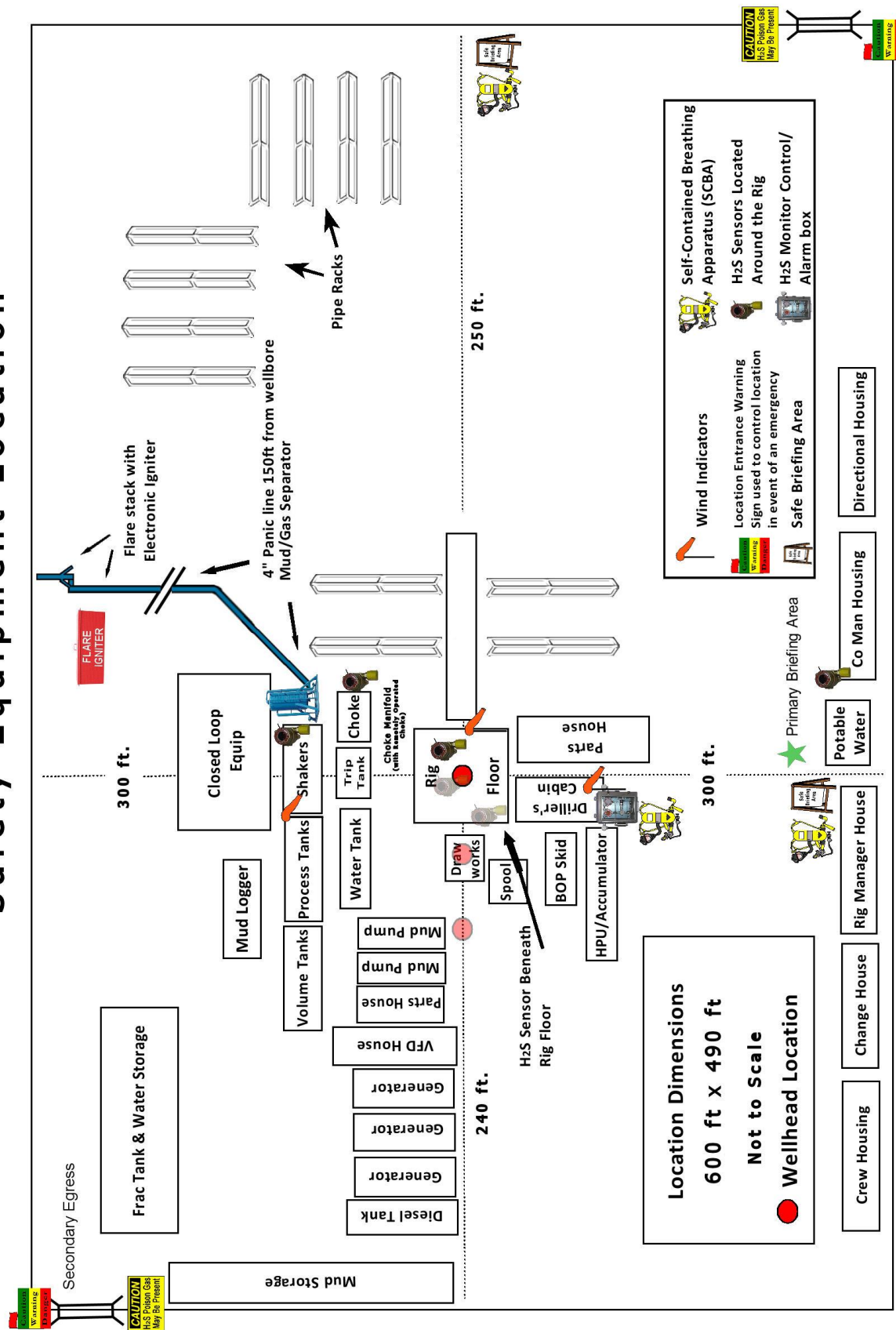
| <b><u>Devon Energy Corp. Company Call List</u></b> |                                                    |                     |                           |
|----------------------------------------------------|----------------------------------------------------|---------------------|---------------------------|
| <b>Employee/Company Contact Representative</b>     | <b>Position</b>                                    | <b>Phone Number</b> | <b>After Hours Number</b> |
| Jonathan Fisher (North)                            | Drilling Manager                                   | 832-967-7912        |                           |
| Jason Hildebrand (South)                           | Drilling Manager                                   | 405-552-6514        |                           |
| Rich Downey                                        | Drilling VP                                        | 405-228-2415        |                           |
| Josh Harvey                                        | EHS Manger                                         | 405-228-2440        | 918-500-5536              |
| Laura Wright                                       | EHS Supervisor                                     | 405-552-5334        | 832-969-8145              |
| Robert Glover                                      | EHS Professional                                   | 575-703-5712        | 575-703-5712              |
| Lane Frank                                         | Lead EHS                                           | 580-579-7052        | 580-579-7052              |
| Rickey Porter                                      | Lead EHS                                           | 903-720-8315        | 903-720-8315              |
| Brock Vise                                         | Lead EHS                                           | 918-413-3291        | 918-413-3291              |
|                                                    |                                                    |                     |                           |
| <b><u>Agency Call List</u></b>                     |                                                    |                     |                           |
| <b><u>Lea County (575)</u></b>                     | <b>Hobbs</b>                                       |                     |                           |
|                                                    | Lea County Communication Authority                 |                     | 397-9265                  |
|                                                    | State Police                                       |                     | 885-3138                  |
|                                                    | City Police                                        |                     | 397-9265                  |
|                                                    | Sheriff's Office                                   |                     | 396-3611                  |
|                                                    | <b>Ambulance</b>                                   |                     | <b>911</b>                |
|                                                    | Fire Department                                    |                     | 397-9308                  |
|                                                    | LEPC (Local Emergency Planning Committee)          |                     | 393-2870                  |
|                                                    | NMOCD                                              |                     | 393-6161                  |
|                                                    | US Bureau of Land Management (Hobbs Office Closed) |                     | 393-0002                  |
|                                                    |                                                    |                     |                           |
|                                                    |                                                    |                     |                           |
| <b><u>Eddy County (575)</u></b>                    | <b>Carlsbad</b>                                    |                     |                           |
|                                                    | State Police                                       |                     | 885-3137                  |
|                                                    | City Police                                        |                     | 885-2111                  |
|                                                    | Sheriff's Office                                   |                     | 887-7551                  |
|                                                    | <b>Ambulance</b>                                   |                     | <b>911</b>                |
|                                                    | Fire Department                                    |                     | 885-3125                  |
|                                                    | LEPC (Local Emergency Planning Committee)          |                     | 887-3798                  |
|                                                    | US Bureau of Land Management (Carlsbad)            |                     | (575)-706-1920            |
|                                                    |                                                    |                     | (575)-234-5909            |
|                                                    | NM Emergency Response Commission (Santa Fe)        |                     | (505) 476-9600            |
|                                                    | 24 HR                                              |                     | (505) 827-9126            |
|                                                    | National Emergency Response Center                 |                     | (800) 424-8802            |
|                                                    | National Pollution Control Center: Direct          |                     | (703) 872-6000            |
|                                                    | For Oil Spills                                     |                     | (800) 280-7118            |
|                                                    | <b>Emergency Services</b>                          |                     |                           |
|                                                    | Wild Well Control                                  |                     | (281) 784-4700            |
|                                                    | Cudd Pressure Control                              | (915) 699-0139      | (915) 563-3356            |
|                                                    | Halliburton                                        |                     | (575) 746-2757            |
|                                                    | B. J. Services                                     |                     | (575) 746-3569            |
|                                                    |                                                    |                     |                           |
|                                                    |                                                    |                     |                           |

|                                   |                                                                         |                              |
|-----------------------------------|-------------------------------------------------------------------------|------------------------------|
| <b>Give<br/>GPS<br/>position:</b> | Native Air – Emergency Helicopter – Hobbs                               | (575) 347-9836               |
|                                   | For Air Ambulance - <b>Eddy County</b> Dispatch                         | (575)-616-7155               |
|                                   | For Air Ambulance - <b>Lea County</b> (LCCA)                            | (575)-397-9265               |
|                                   | Poison Control (24/7)                                                   | (800) 222-1222               |
|                                   | Oil & Gas Pipeline 24 Hour Service                                      | (800) 364-4366               |
|                                   | NOAA – Website - <a href="http://www.nhc.noaa.gov">www.nhc.noaa.gov</a> |                              |
|                                   | National Pollution Control Center                                       | 202-795-6958                 |
|                                   | NPCC – Oil Spills                                                       | 800-280-7118                 |
|                                   | BNSF Railroad Resource Operations                                       | 800-832-5452                 |
|                                   | NM OSHA – Santa Fe                                                      | 505-222-9595                 |
|                                   | NM OSHA (Reporting)                                                     | 877-610-6742<br>505-476-8700 |

Prepared in conjunction with  
Dave Small



# Devon Energy - Well Pad Rig Location Layout Safety Equipment Location



A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

Devon proposes using a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.

- Wellhead will be installed by wellhead representatives.
- If the welding is performed by a third party, the wellhead representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- Wellhead representative will install the test plug for the initial BOP test.
- Wellhead company will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 5M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time.
- If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted.
- Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating.
- Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2.

After running the surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 5M will be installed on the wellhead system and will undergo a 250 psi low pressure test followed by a 5,000 psi high pressure test. The 5,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2.

After running the intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 5M will already be installed on the wellhead.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

Devon's proposed wellhead manufactures will be FMC Technologies, Cactus Wellhead, or Cameron.

INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

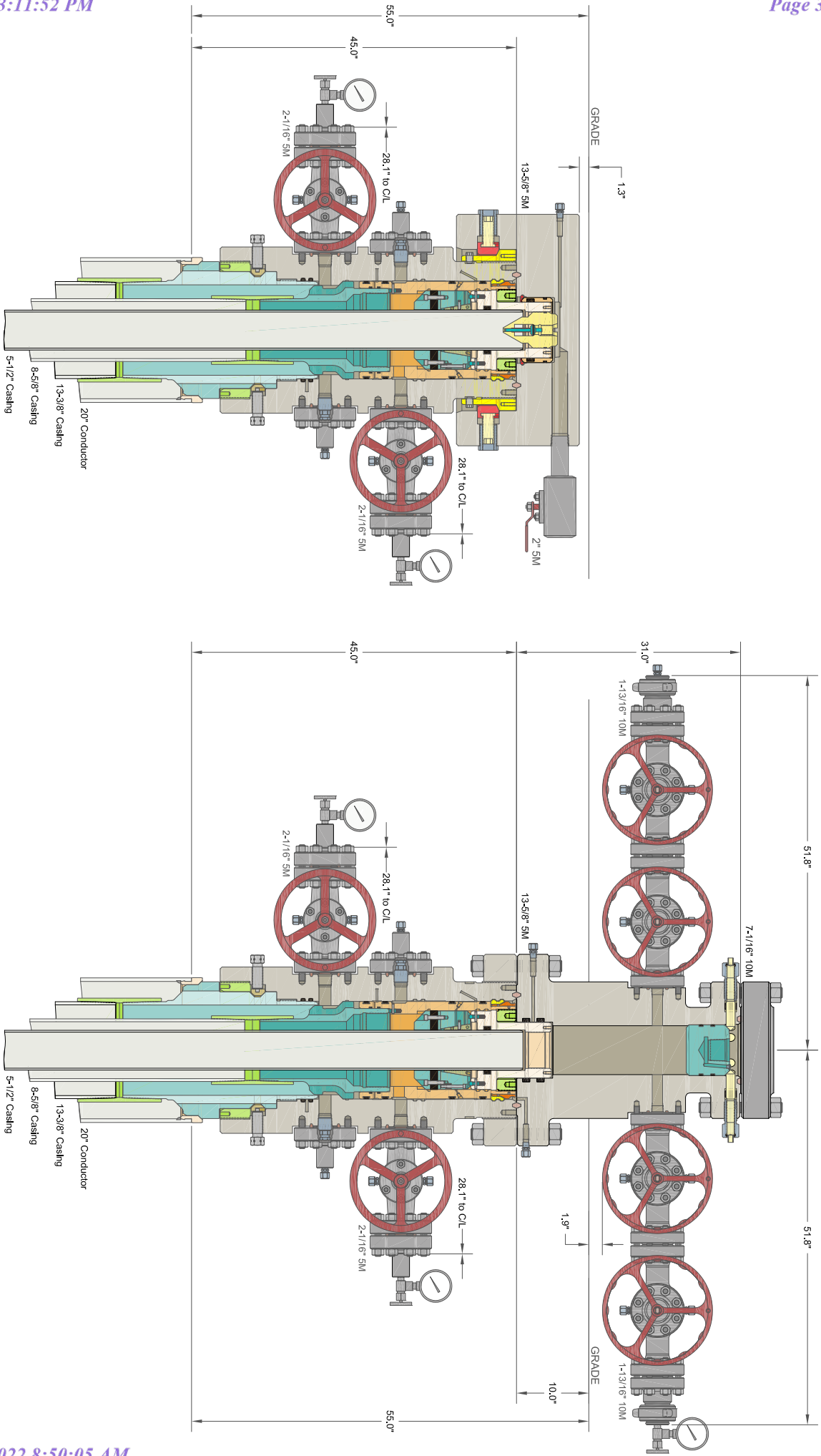
CACTUS WELLHEAD LLC

20" x 13-3/8" x 8-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO Wellhead Sys.  
With Quick Connect Top TA Cap, 5-1/2" Emergency Slip Hanger  
And 13-5/8" 5M x 7-1/16" 10M CTH-DBLHPS Tubing Head

DEVON ENERGY CORPORATION  
DELAWARE BASIN

|             |          |         |
|-------------|----------|---------|
| DRAWN       | DLE      | 25FEB19 |
| APPRV       |          |         |
| DRAWING NO. | SDT-1929 |         |

ALL DIMENSIONS APPROXIMATE



**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 105014

CONDITIONS

|                                                                                                       |                                                      |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137                                       |
|                                                                                                       | Action Number:<br>105014                             |
|                                                                                                       | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |                                                 |                |
|------------|-------------------------------------------------|----------------|
| Created By | Condition                                       | Condition Date |
| kpickford  | Adhere to previous NMOCD Conditions of Approval | 5/10/2022      |