

Well Name: ALEUTIAN 10-3 FED COM	Well Location: T23S / R31E / SEC 10 / SWSE / 32.3135025 / -103.7626807	County or Parish/State: EDDY / NM
Well Number: 813H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM077046, NMNM77046	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547407	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2652289

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 01/12/2022	Time Sundry Submitted: 12:29
Date proposed operation will begin: 01/12/2022	

Procedure Description: SHL/BHL/NAME CHANGE Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL/BHL and have a name change on the subject well. Please see attached revised C102, Drill plan, directional plan. Permitted SHL: SWSE, 640 FSL, 1717 FEL, 10-23S-31E Proposed SHL: SWSE, 570 FSL, 1697 FEL, 10-23S-31E Permitted BHL: LOT 2, 20 FNL, 1750 FEL, 3-23S-31E Proposed BHL: LOT 2, 20 FNL, 1980 FEL, 3-23S-31E Permitted Well name: ALEUTIAN 10 3 FEDERAL COM 713H Proposed Well name: ALEUTIAN 10 3 FEDERAL COM 813H

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 5M_BOPE__CK_20220112122933.pdf
- MB_Wellhd_5M_13.375_8.625_20220112122933.pdf
- MB_Verb_5M_20220112122933.pdf
- WA017989746_ALEUTIAN_10_3_FED_COM_813H_WL_R1_20220112122819.pdf
- Aleutian_10_3_Fed_Com_813H_H2S_20220112122818.pdf
- Aleutian_10_3_Fed_Com_813H_Directional_Plan_01_10_22_20220112122818.pdf

Well Name: ALEUTIAN 10-3 FED COM	Well Location: T23S / R31E / SEC 10 / SWSE / 32.3135025 / -103.7626807	County or Parish/State: EDDY / NM
Well Number: 813H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM077046, NMNM77046	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547407	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Aleutian_10_3_Fed_Com_813H_20220112122818.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 12:29 PM
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

¹ API Number 30-015-47407	² Pool Code 98123	³ Pool Name WC-015 G-08 S233102C; WOLFCAMP
⁴ Property Code 323063	⁵ Property Name ALEUTIAN 10-3 FED COM	⁶ Well Number 813H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3411.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	10	23 S	31 E		570	SOUTH	1697	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	3	23 S	31 E		20	NORTH	1980	EAST	EDDY

¹² Dedicated Acres 319.53	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

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 BEARINGS AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Jenny Harms</i> 1-12-2022 Signature _____ Date _____ JENNY HARMS Printed Name _____ JENNY.HARMS@DVN.COM E-mail Address _____ ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. DECEMBER 17, 2021 Date of Survey _____ <i>[Signature]</i> Signature and Seal of Professional Surveyor _____ Certificate Number: PL 12797 SURVEY NO. 8179A
--	--

Intent ☒ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number
DEVON ENERGY PRODUCTION CO., L.P.	ALEUTIAN 10-3 FED COM	813H

Kick Off Point (KOP)

UL	Section 10	Township 23S	Range 31E	Lot	Feet 45 FSL	From N/S	Feet 1979 FEL	From E/W	County EDDY
Latitude 32.31177347					Longitude -103.76361337			NAD 83	

First Take Point (FTP)

UL O	Section 10	Township 23S	Range 31E	Lot	Feet 100	From N/S SOUTH	Feet 1980	From E/W EAST	County EDDY
Latitude 32.3120181					Longitude 103.7635313			NAD 83	

Last Take Point (LTP)

UL	Section 3	Township 23S	Range 31E	Lot 2	Feet 100	From N/S NORTH	Feet 1980	From E/W EAST	County EDDY
Latitude 32.3404643					Longitude 103.7635693			NAD 83	

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

☒

Is this well an infill well?

☐ N

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

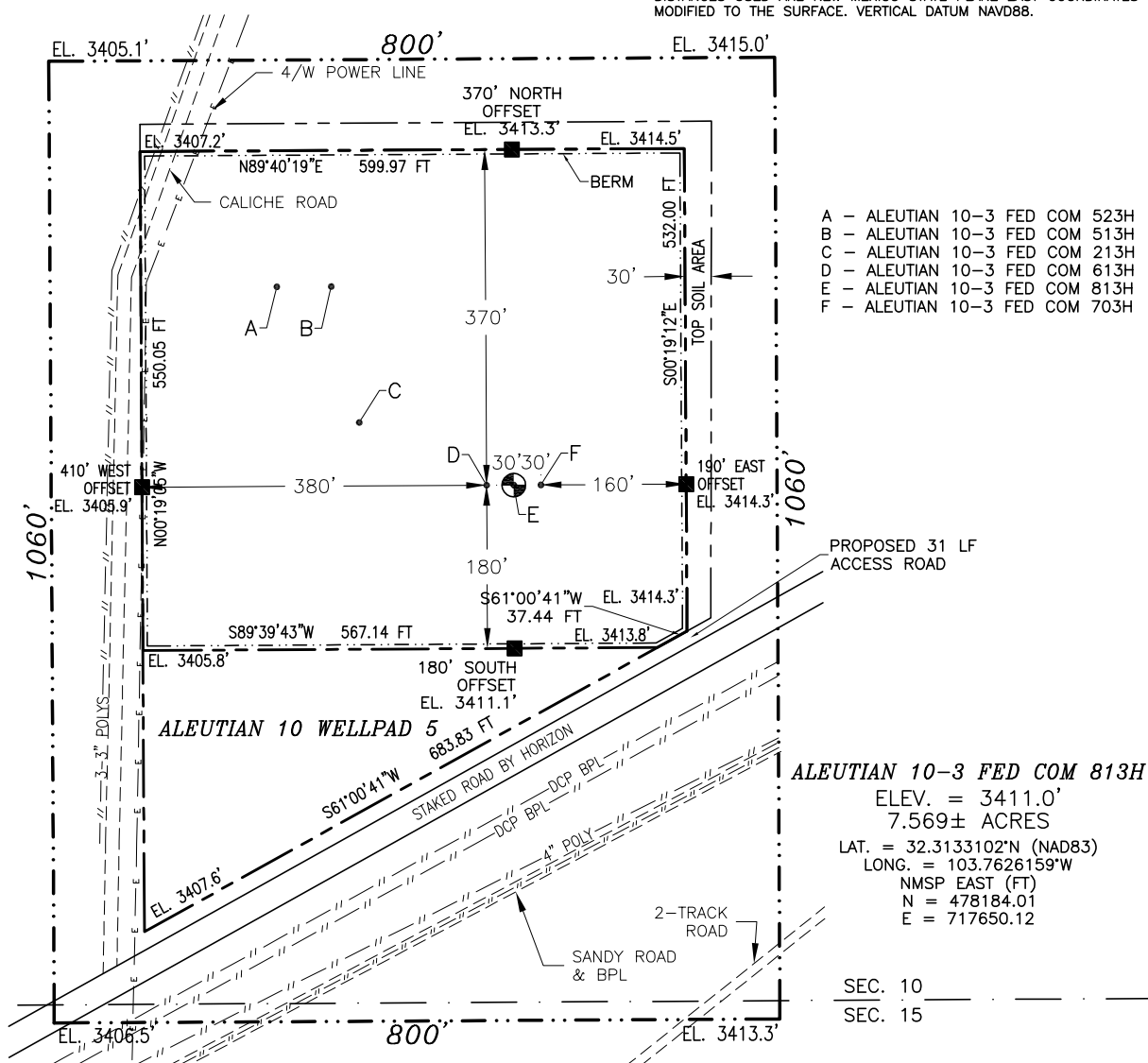
API #

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

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.



020 100 200 400

SCALE 1" = 200'

DIRECTIONS TO LOCATION

FROM STATE HIGHWAY 128 AND CR 798 (RED ROAD) GO NORTH ON CR 798 4.5 MILES, TURN LEFT ON CALICHE ROAD AND GO WEST 0.15 OF A MILE, BEND RIGHT AND GO NORTHWEST 665', BEND LEFT AND GO WEST 365', BEND LEFT AND GO SOUTHWEST 0.6 OF A MILE TO A ROAD SURVEY AND FOLLOW FLAGS WEST 0.1 OF A MILE, THEN SOUTHWEST 0.4 OF A MILE, THEN NORTHWEST 31' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

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

FILIMON F. JARAMILLO, 12797

MADON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

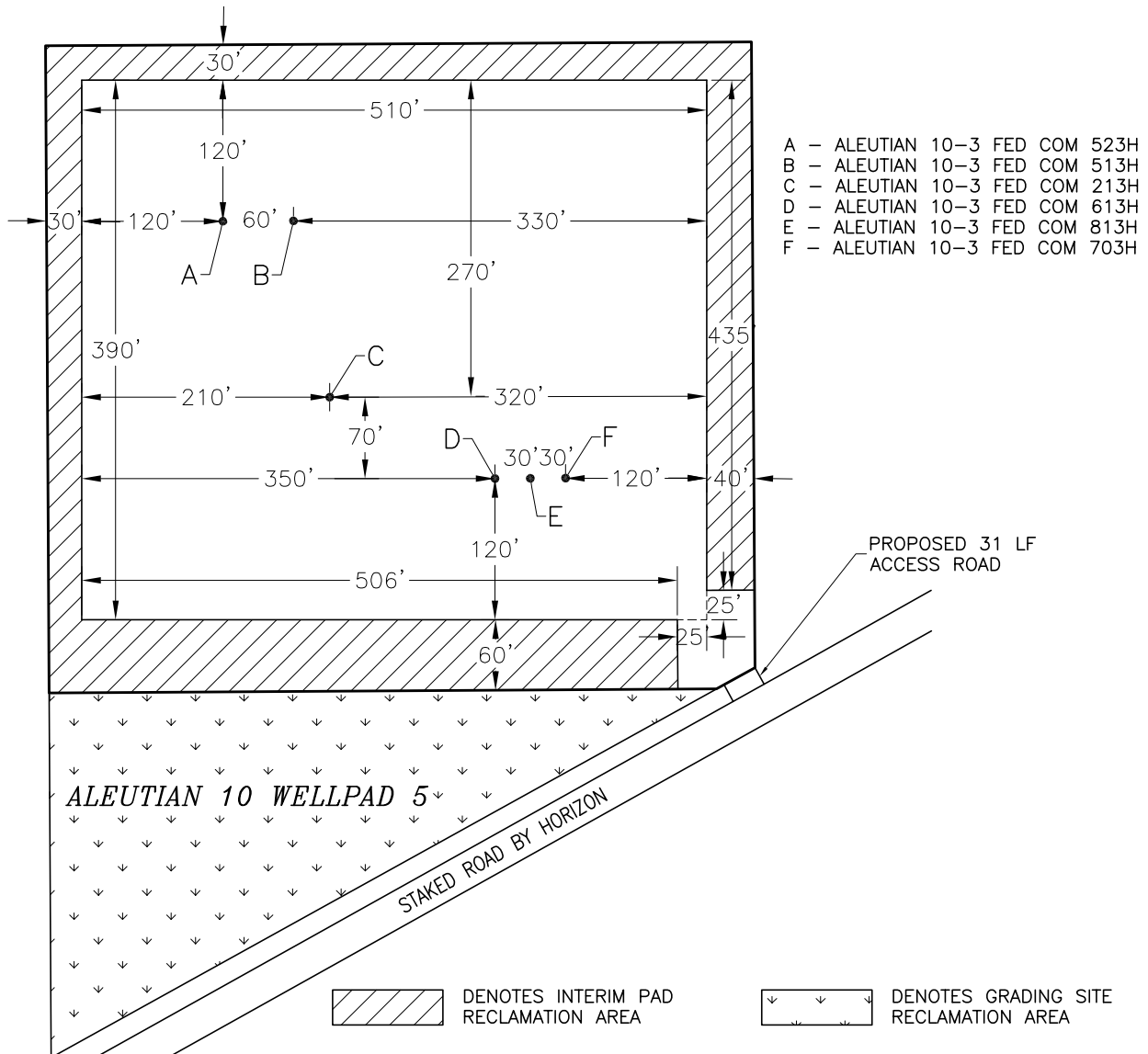
DEVON ENERGY PRODUCTION COMPANY, L.P.
ALEUTIAN 10-3 FED COM 813H
LOCATED 570 FT. FROM THE SOUTH LINE
AND 1697 FT. FROM THE EAST LINE OF
SECTION 10, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LAND STATUS: BLM

DECEMBER 17, 2021

SURVEY NO. 8179A

CARLSBAD, NEW MEXICO

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



SEC. 10
SEC. 15

015 75 150 300
SCALE 1" = 150'

1.869± ACRES INTERIM PAD RECLAMATION AREA
2.018± ACRES GRADING SITE RECLAMATION AREA
5.699± ACRES NON-RECLAIMED AREA
9.586± ACRES ALEUTIAN 10 WELLPAD 5

DEVON ENERGY PRODUCTION COMPANY, L.P.
ALEUTIAN 10-3 FED COM 813H
LOCATED 570 FT. FROM THE SOUTH LINE
AND 1697 FT. FROM THE EAST LINE OF
SECTION 10, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LAND STATUS: BLM

DECEMBER 17, 2021
SURVEY NO. 8179A

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

A topographic map of a mountainous region, likely in the Aleutians. The map features brown contour lines indicating elevation. A red square is placed on a contour line labeled '3414'. A dashed line path, possibly a trail or road, winds through the terrain, passing near a 'Gravel Pit' and a 'Drill Hole'. Various spot elevations and grid coordinates are marked. A north arrow is located on the right side of the map.

ALEUTIAN 10-3
FED COM 813H

NOT TO SCALE

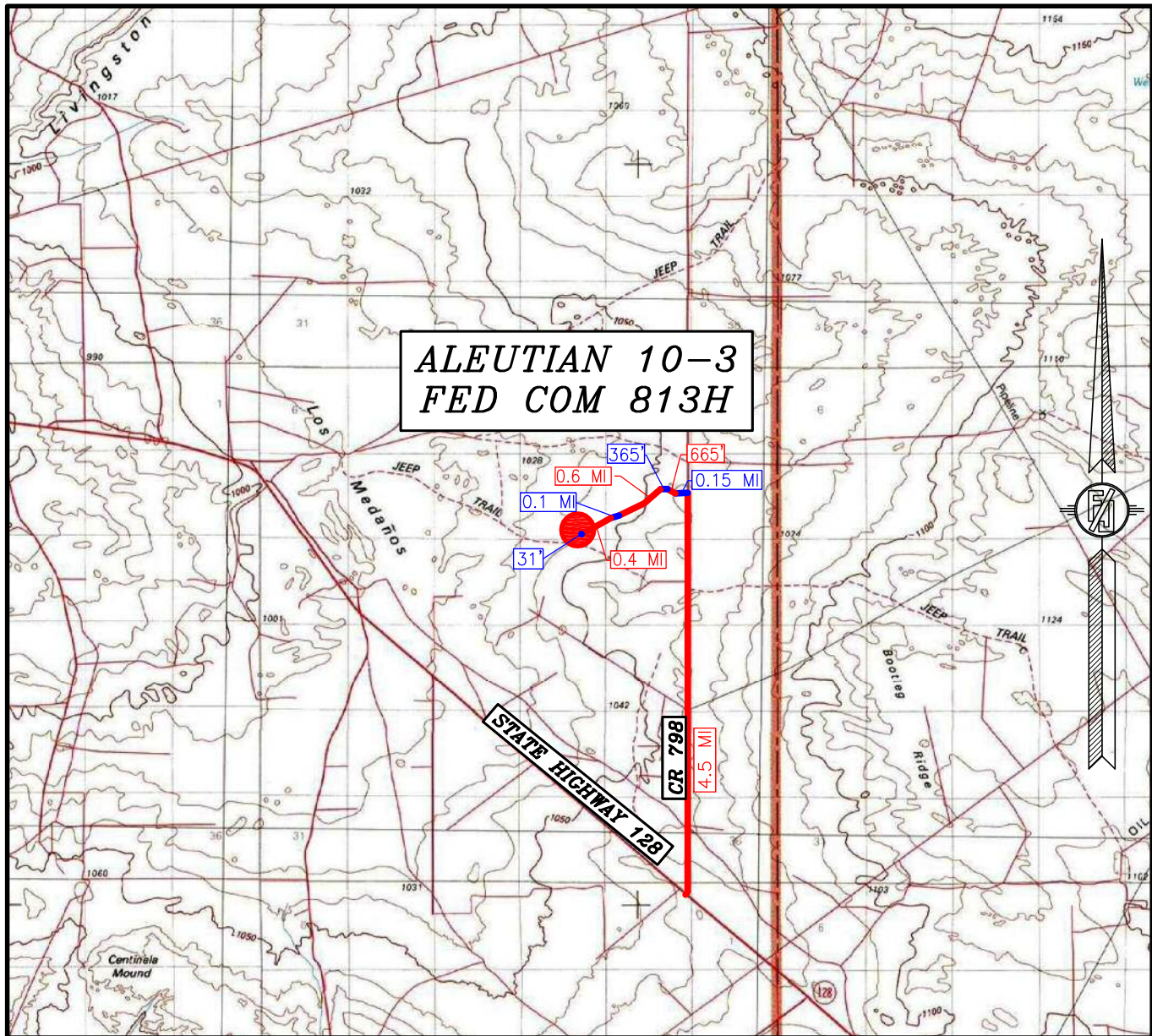
DECEMBER 17, 2021

SURVEY NO. 8179A

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

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

ALEUTIAN 10-3 FED COM 813H

LOCATED 570 FT. FROM THE SOUTH LINE
AND 1697 FT. FROM THE EAST LINE OF
SECTION 10, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO
LAND STATUS: BLM

DECEMBER 17, 2021

DIRECTIONS TO LOCATION

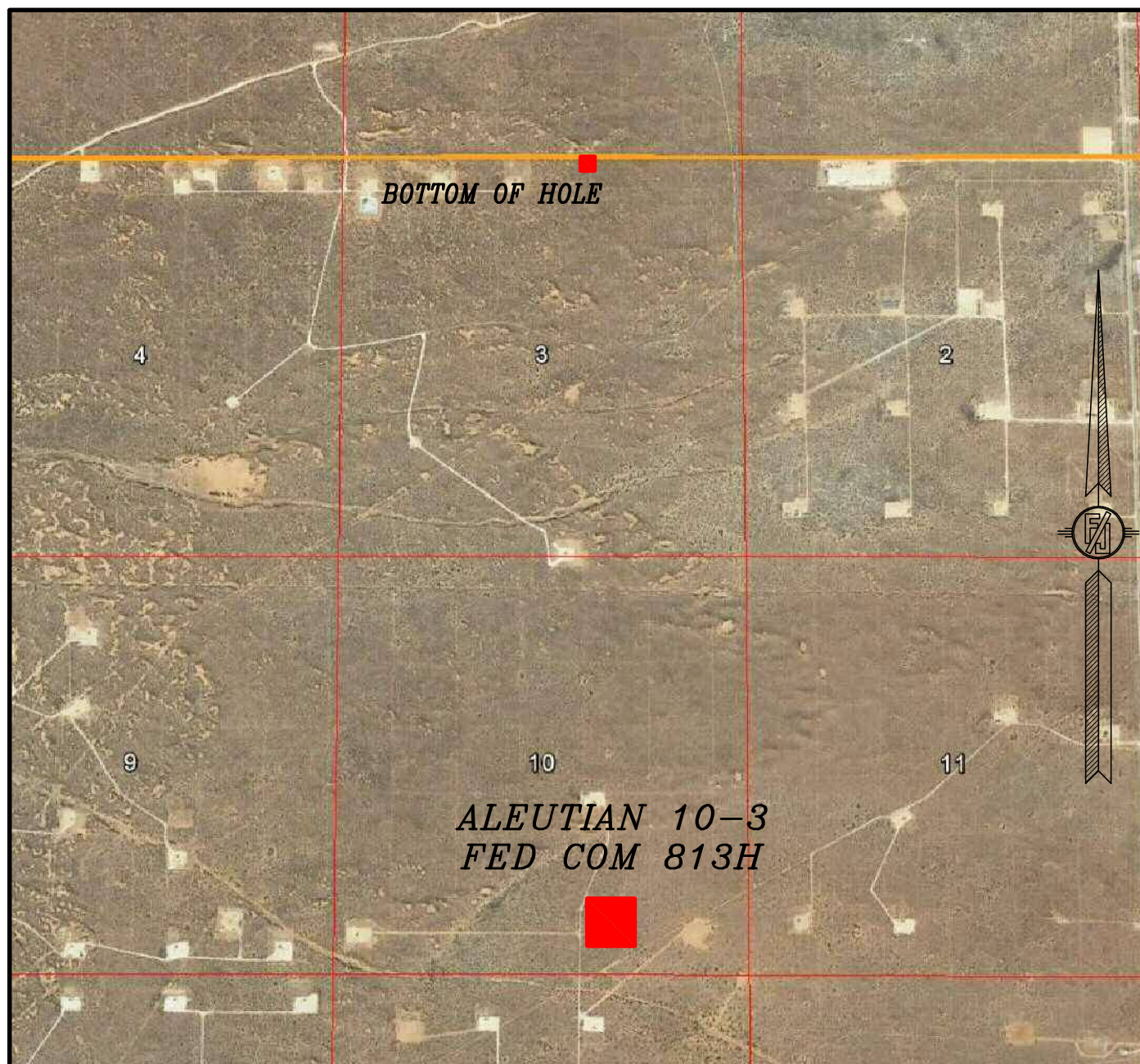
FROM STATE HIGHWAY 128 AND CR 798 (RED ROAD) GO NORTH ON CR 798
4.5 MILES, TURN LEFT ON CALICHE ROAD AND GO WEST 0.15 OF A MILE,
BEND RIGHT AND GO NORTHWEST 665', BEND LEFT AND GO WEST 365', BEND
LEFT AND GO SOUTHWEST 0.6 OF A MILE TO A ROAD SURVEY AND FOLLOW
FLAGS WEST 0.1 OF A MILE, THEN SOUTHWEST 0.4 OF A MILE, THEN
NORTHWEST 31' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 8179A
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 813H

LOCATED 570 FT. FROM THE SOUTH LINE
 AND 1697 FT. FROM THE EAST LINE OF
 SECTION 10, TOWNSHIP 23 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LAND STATUS: BLM

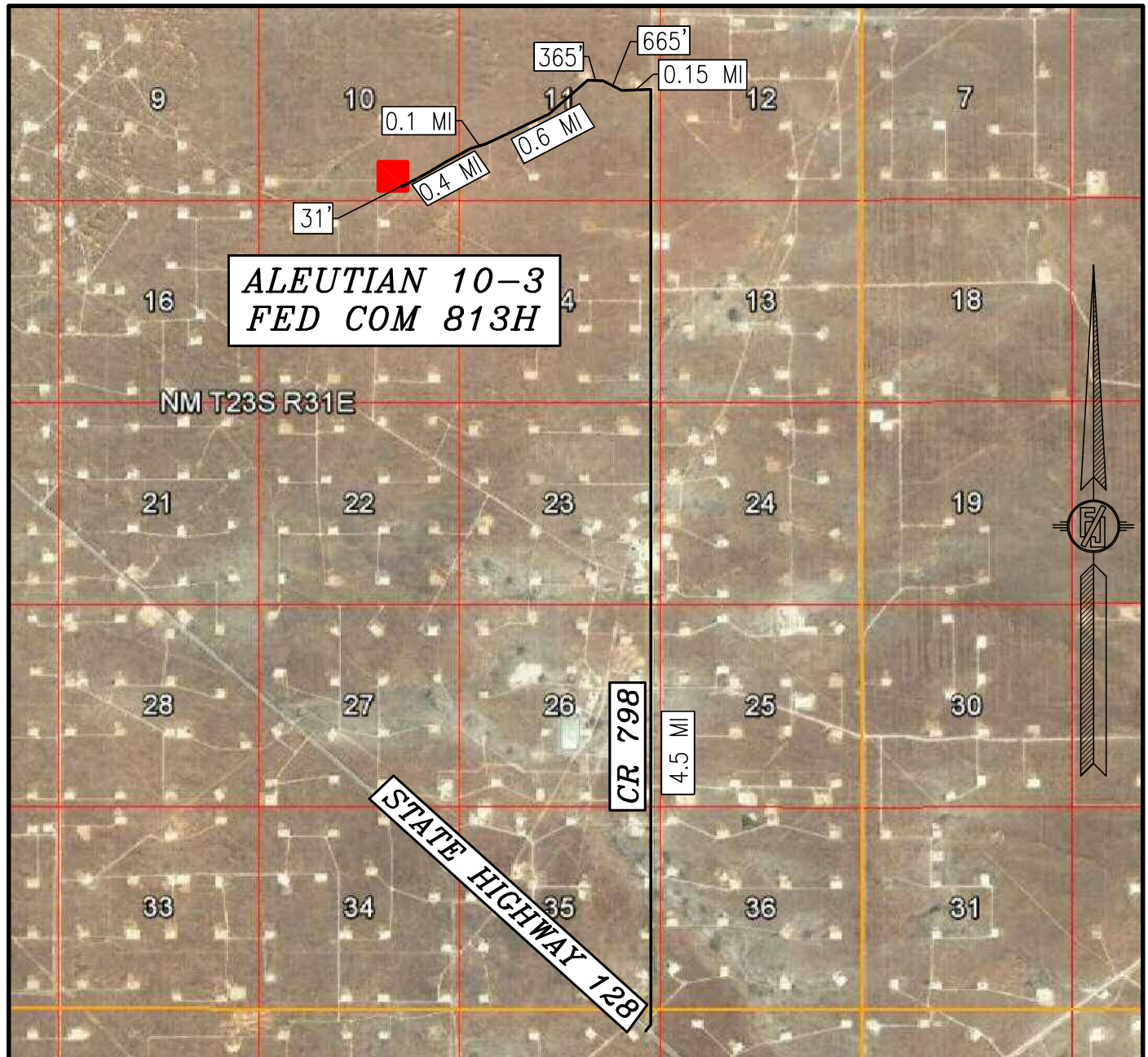
DECEMBER 17, 2021

SURVEY NO. 8179A

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 813H

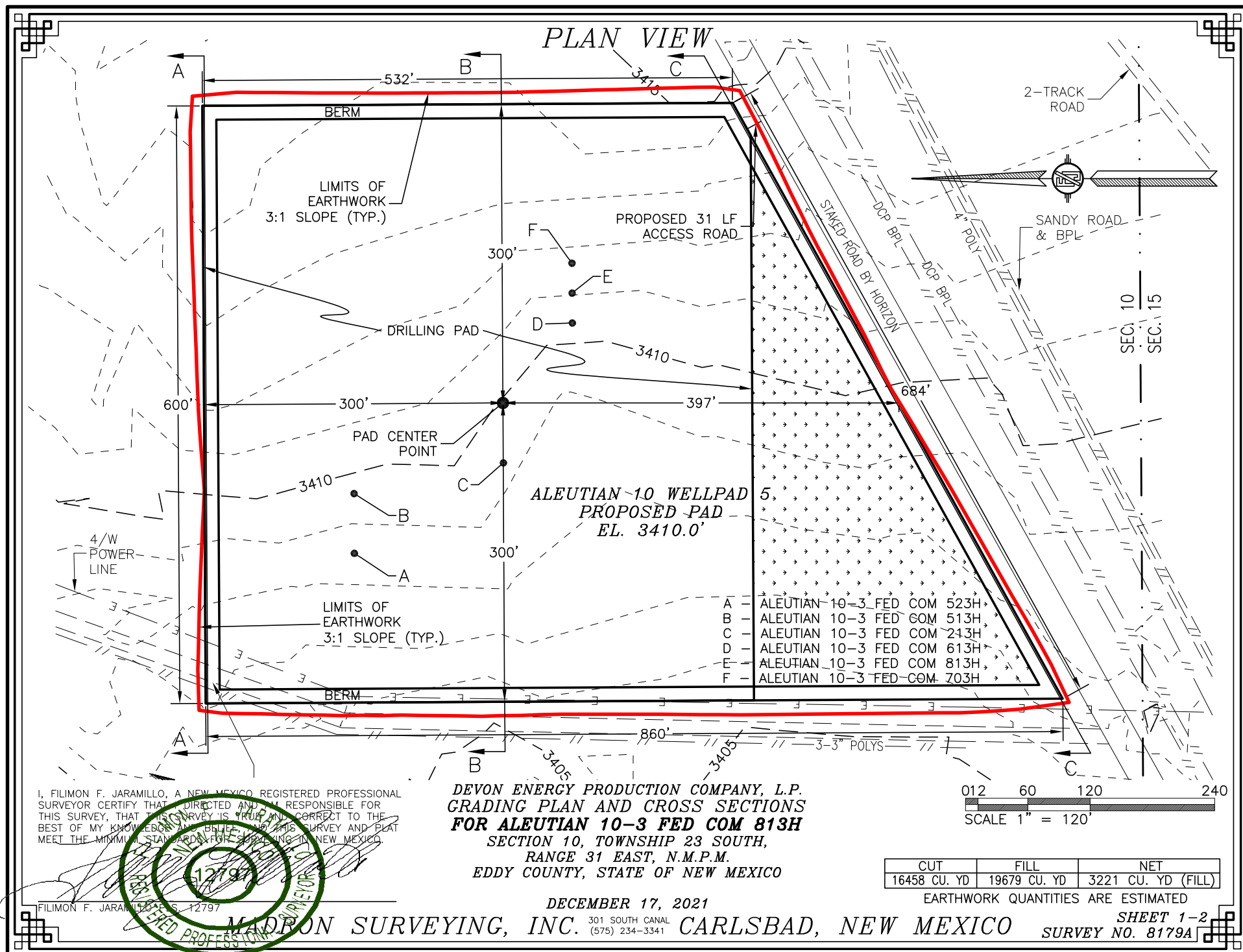
LOCATED 570 FT. FROM THE SOUTH LINE
 AND 1697 FT. FROM THE EAST LINE OF
 SECTION 10, TOWNSHIP 23 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LAND STATUS: BLM

DECEMBER 17, 2021

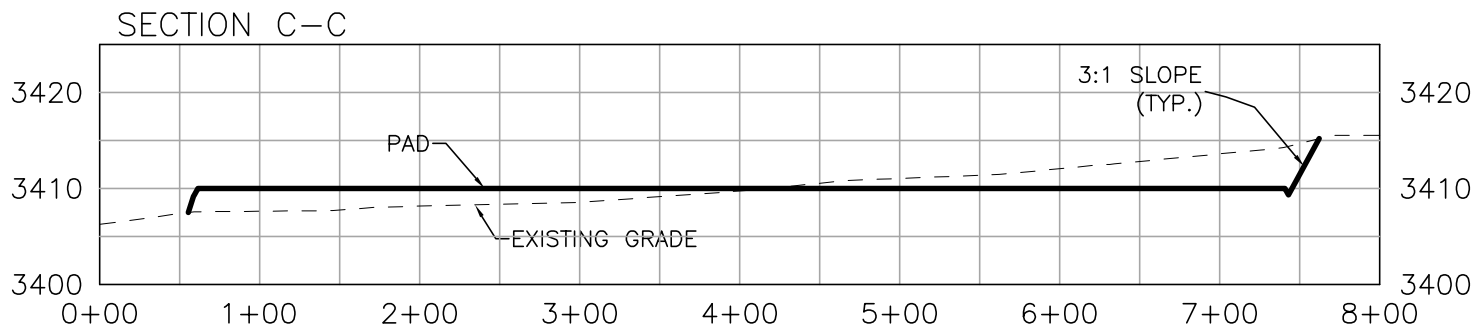
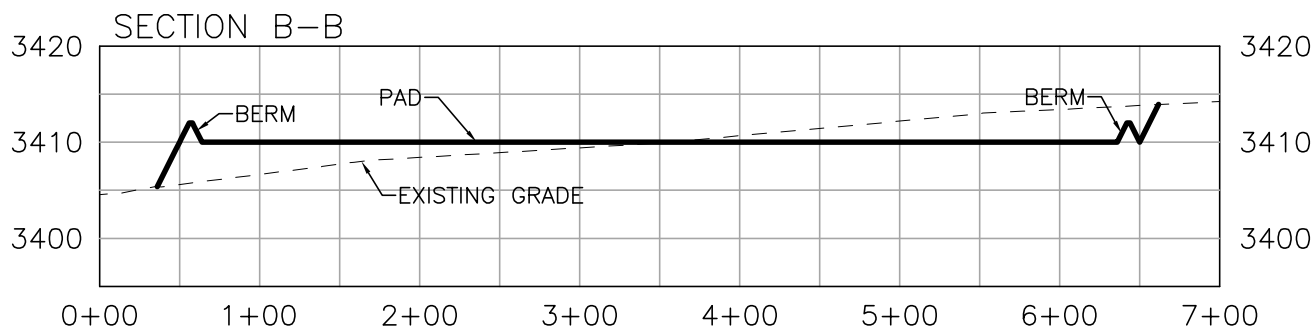
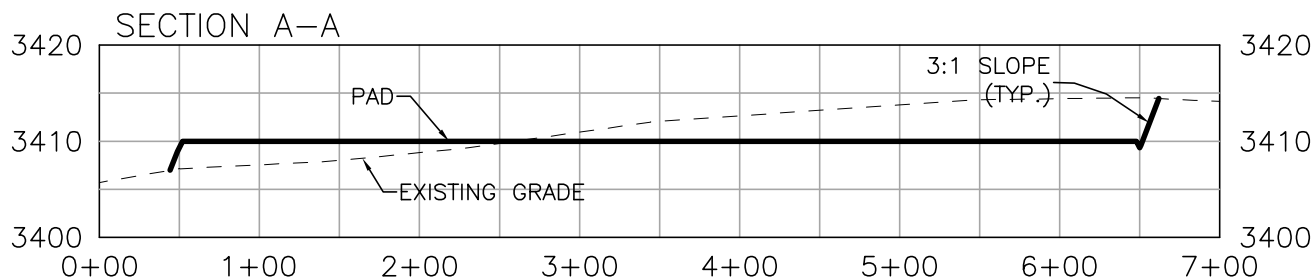
SURVEY NO. 8179A

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

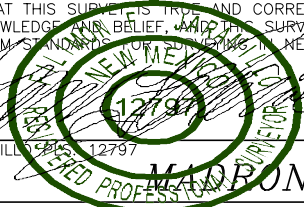
CARLSBAD, NEW MEXICO



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 THAT THIS SURVEY AND PLAT 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 813H
 SECTION 10, TOWNSHIP 23 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 17, 2021

301 SOUTH CANAL
 (575) 234-3341

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

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

CUT	FILL	NET
16458 CU. YD	19679 CU. YD	3221 CU. YD (FILL)

EARTHWORK QUANTITIES ARE ESTIMATED

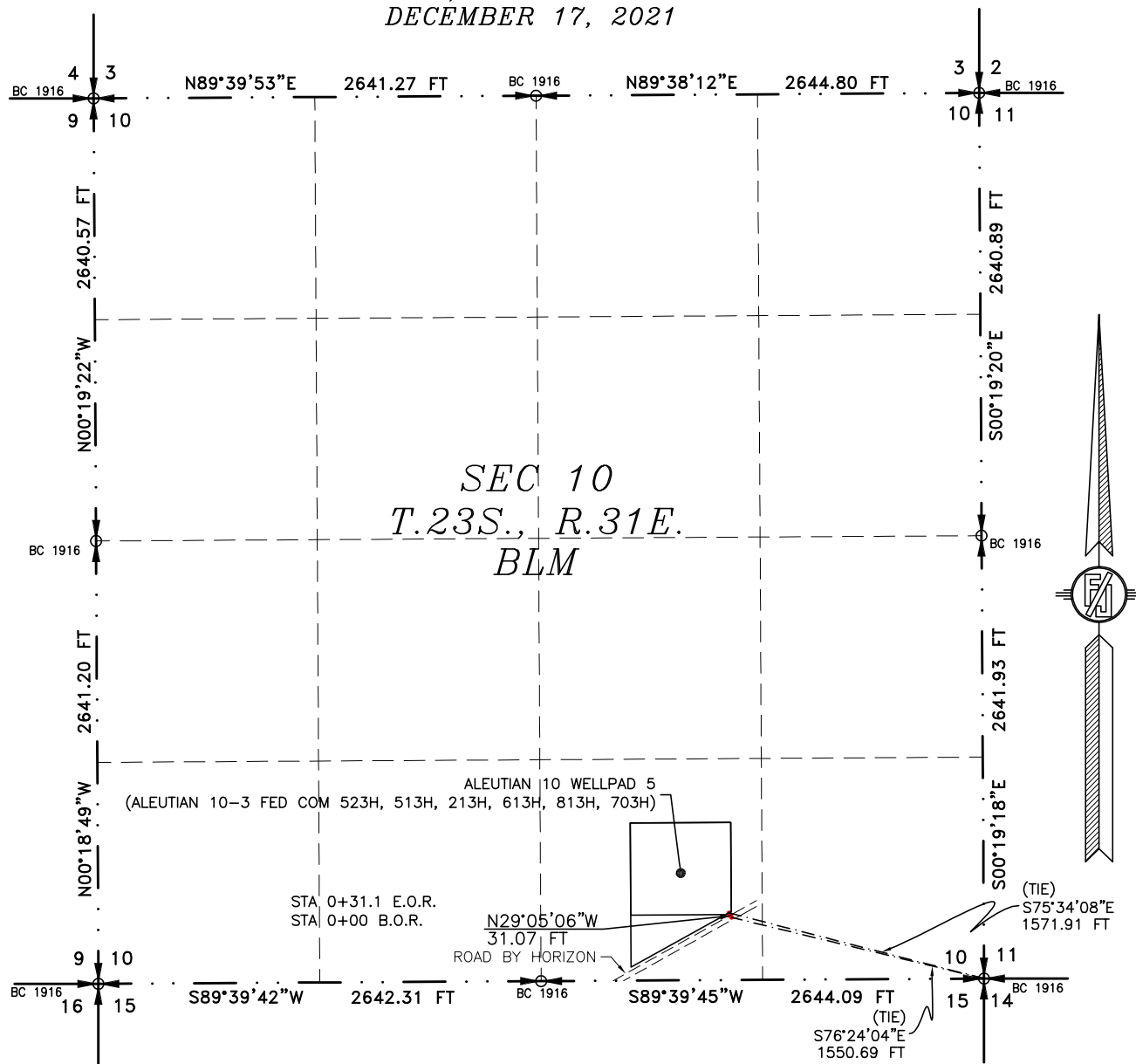
SHEET 2-2
 SURVEY NO. 8179A

ACCESS ROAD PLAT (AA000235622)

ACCESS ROAD TO THE ALEUTIAN 10 WELLPAD 5

(ALEUTIAN 10-3 FED COM 523H, 513H, 213H, 613H, 813H, 703H)

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 17, 2021



SEE NEXT SHEET (2-2) 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: 1-2

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 20 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. 8179A

ACCESS ROAD PLAT (AA000235622)

ACCESS ROAD TO THE ALEUTIAN 10 WELLPAD 5

(ALEUTIAN 10-3 FED COM 523H, 513H, 213H, 613H, 813H, 703H)

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 17, 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 SW/4 SE/4 OF SAID SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S76°24'04"E, A DISTANCE OF 1550.69 FEET;

THENCE N29°05'06"W A DISTANCE OF 31.07 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 10, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S75°34'08"E, A DISTANCE OF 1571.91 FEET;

SAID STRIP OF LAND BEING 31.07 FEET OR 1.88 RODS IN LENGTH, CONTAINING 0.021 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SE/4 31.07 L.F. 1.88 RODS 0.021 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 20 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. 8179A

GENERAL NOTES

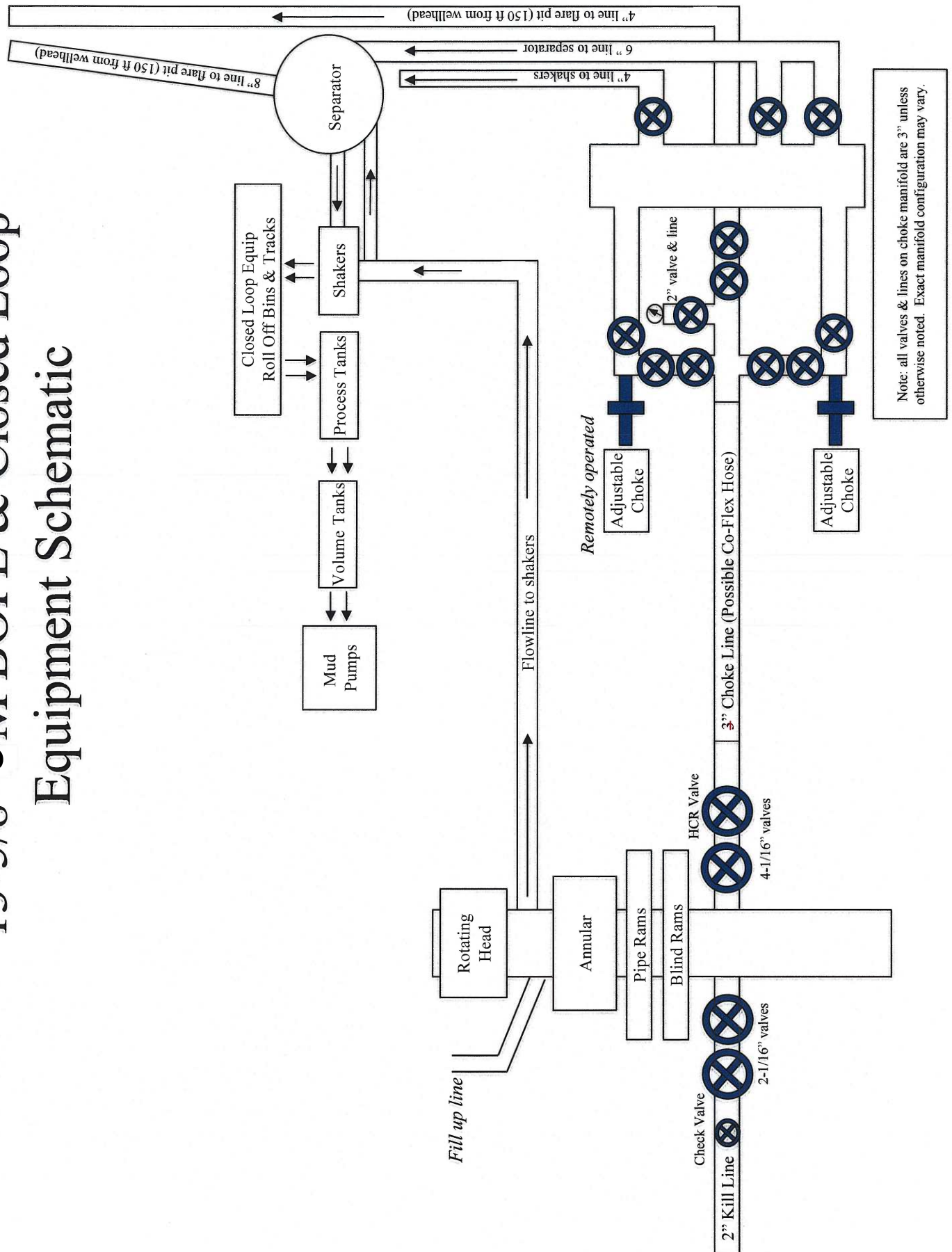
1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

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: 2-2

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

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



Aleutian 10-3 Fed Com 813H

1. Geologic Formations

TVD of target	11990	Pilot hole depth	N/A
MD at TD:	22327	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target 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 813H

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	22327	0	11990

• 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	9517	9	3.27	Lead: Class H / C + additives
	1431	11517	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 813H

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 813H

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	6547
Abnormal temperature	No

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

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S 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 ₂ S is present
Y	H ₂ 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 813H

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

<u>X</u>	Directional Plan
<u> </u>	Other, describe

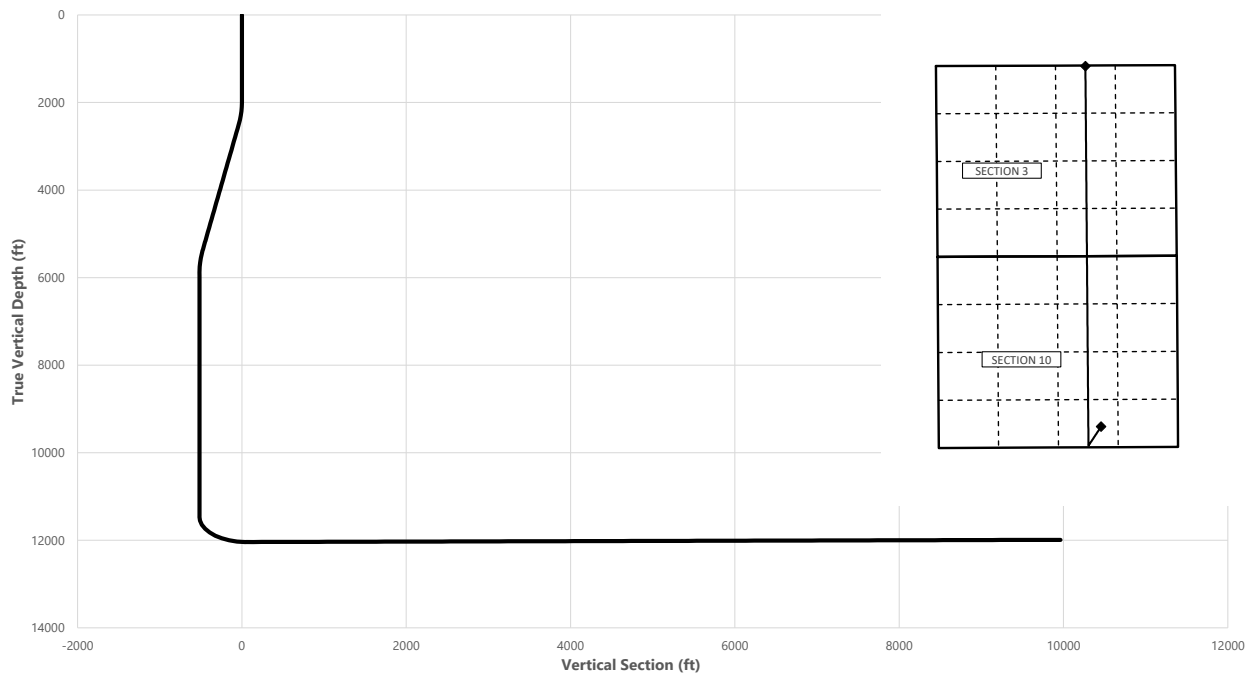
Aleutian 10-3 Fed Com 813H



Well: Aleutian 10-3 Fed Com 813H
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	208.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	208.00	2497.47	-38.43	-20.43	-37.69	2.00	Hold Tangent
5432.61	10.00	208.00	5385.52	-488.06	-259.51	-478.71	0.00	Drop to Vertical
5932.61	0.00	208.00	5882.99	-526.49	-279.94	-516.40	2.00	Hold Vertical
11516.67	0.00	359.63	11467.05	-526.49	-279.94	-516.40	0.00	KOP
12419.56	90.29	359.63	12040.00	49.35	-283.66	59.21	10.00	Landing Point
22327.49	90.29	359.63	11990.00	9956.94	-347.64	9963.01	0.00	BHL

**Key Depths**

	MD (ft)	TVD (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	5228.99	5185.00
Brushy Canyon	6534.62	6485.00
1st Bone Spring Lime	8184.62	8135.00
Bone Spring 1st	9284.62	9235.00
Bone Spring 2nd	9784.62	9735.00
3rd Bone Spring Lime	10334.62	10285.00
Bone Spring 3rd	11034.62	10985.00
Wolfcamp / Point of Penetration	11504.62	11455.00
exit	22247.49	11990.42

SHL
KOP
Point of Penetration
Exit
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.3132	-103.7627	570' FSL, 1697' FEL of Sec 10 in T23S, R31E
11516.67	11467.05	32.3118	-103.7636	45' FSL, 1979' FEL of Sec 10 in T23S, R31E
11504.62	11455.00	32.3120	-103.7635	100' FSL, 1980' FEL of Sec 10 in T23S, R31E
22247.49	11990.42	32.3405	-103.7636	100' FNL, 1980' FNL of Sec 3 in T23S, R31E
22327.49	11990.00	32.3406	-103.7637	20' FNL, 1980' FEL of Sec 3 in T23S, R31E

Aleutian 10-3 Fed Com 813H



Well: Aleutian 10-3 Fed Com 813H
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	208.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	208.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	208.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	208.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	208.00	500.00	0.00	0.00	0.00	0.00	
545.00	0.00	208.00	545.00	0.00	0.00	0.00	0.00	Rustler
600.00	0.00	208.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	208.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	208.00	800.00	0.00	0.00	0.00	0.00	
885.00	0.00	208.00	885.00	0.00	0.00	0.00	0.00	Salt
900.00	0.00	208.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	208.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	208.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	208.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	208.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	208.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	208.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	208.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	208.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	208.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	208.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	208.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	208.00	2099.98	-1.54	-0.82	-1.51	2.00	
2200.00	4.00	208.00	2199.84	-6.16	-3.28	-6.04	2.00	
2300.00	6.00	208.00	2299.45	-13.86	-7.37	-13.59	2.00	
2400.00	8.00	208.00	2398.70	-24.62	-13.09	-24.14	2.00	
2500.00	10.00	208.00	2497.47	-38.43	-20.43	-37.69	2.00	Hold Tangent
2600.00	10.00	208.00	2595.95	-53.76	-28.58	-52.73	0.00	
2700.00	10.00	208.00	2694.43	-69.09	-36.74	-67.77	0.00	
2800.00	10.00	208.00	2792.91	-84.42	-44.89	-82.81	0.00	
2900.00	10.00	208.00	2891.39	-99.76	-53.04	-97.85	0.00	
3000.00	10.00	208.00	2989.87	-115.09	-61.19	-112.88	0.00	
3100.00	10.00	208.00	3088.35	-130.42	-69.35	-127.92	0.00	
3200.00	10.00	208.00	3186.83	-145.75	-77.50	-142.96	0.00	
3300.00	10.00	208.00	3285.31	-161.09	-85.65	-158.00	0.00	
3400.00	10.00	208.00	3383.79	-176.42	-93.80	-173.04	0.00	
3500.00	10.00	208.00	3482.27	-191.75	-101.95	-188.08	0.00	
3600.00	10.00	208.00	3580.75	-207.08	-110.11	-203.11	0.00	
3700.00	10.00	208.00	3679.23	-222.41	-118.26	-218.15	0.00	
3800.00	10.00	208.00	3777.72	-237.75	-126.41	-233.19	0.00	
3900.00	10.00	208.00	3876.20	-253.08	-134.56	-248.23	0.00	
4000.00	10.00	208.00	3974.68	-268.41	-142.72	-263.27	0.00	
4086.64	10.00	208.00	4060.00	-281.70	-149.78	-276.30	0.00	Base of Salt
4100.00	10.00	208.00	4073.16	-283.74	-150.87	-278.31	0.00	
4200.00	10.00	208.00	4171.64	-299.08	-159.02	-293.35	0.00	
4300.00	10.00	208.00	4270.12	-314.41	-167.17	-308.38	0.00	
4315.11	10.00	208.00	4285.00	-316.73	-168.40	-310.66	0.00	Delaware
4400.00	10.00	208.00	4368.60	-329.74	-175.33	-323.42	0.00	
4500.00	10.00	208.00	4467.08	-345.07	-183.48	-338.46	0.00	
4600.00	10.00	208.00	4565.56	-360.41	-191.63	-353.50	0.00	
4700.00	10.00	208.00	4664.04	-375.74	-199.78	-368.54	0.00	
4800.00	10.00	208.00	4762.52	-391.07	-207.93	-383.58	0.00	
4900.00	10.00	208.00	4861.00	-406.40	-216.09	-398.61	0.00	
5000.00	10.00	208.00	4959.48	-421.73	-224.24	-413.65	0.00	
5100.00	10.00	208.00	5057.97	-437.07	-232.39	-428.69	0.00	
5200.00	10.00	208.00	5156.45	-452.40	-240.54	-443.73	0.00	
5228.99	10.00	208.00	5185.00	-456.84	-242.91	-448.09	0.00	Cherry Canyon
5300.00	10.00	208.00	5254.93	-467.73	-248.70	-458.77	0.00	
5400.00	10.00	208.00	5353.41	-483.06	-256.85	-473.81	0.00	
5432.61	10.00	208.00	5385.52	-488.06	-259.51	-478.71	0.00	Drop to Vertical
5500.00	8.65	208.00	5452.02	-497.70	-264.63	-488.17	2.00	
5600.00	6.65	208.00	5551.12	-509.46	-270.89	-499.70	2.00	
5700.00	4.65	208.00	5650.63	-518.16	-275.51	-508.23	2.00	
5800.00	2.65	208.00	5750.43	-523.78	-278.50	-513.74	2.00	
5900.00	0.65	208.00	5850.38	-526.33	-279.85	-516.24	2.00	
5932.61	0.00	208.00	5882.99	-526.49	-279.94	-516.40	2.00	Hold Vertical
6000.00	0.00	359.63	5950.38	-526.49	-279.94	-516.40	0.00	
6100.00	0.00	359.63	6050.38	-526.49	-279.94	-516.40	0.00	
6200.00	0.00	359.63	6150.38	-526.49	-279.94	-516.40	0.00	

Aleutian 10-3 Fed Com 813H



Well: Aleutian 10-3 Fed Com 813H
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6300.00	0.00	359.63	6250.38	-526.49	-279.94	-516.40	0.00	
6400.00	0.00	359.63	6350.38	-526.49	-279.94	-516.40	0.00	
6500.00	0.00	359.63	6450.38	-526.49	-279.94	-516.40	0.00	
6534.62	0.00	359.63	6485.00	-526.49	-279.94	-516.40	0.00	Brushy Canyon
6600.00	0.00	359.63	6550.38	-526.49	-279.94	-516.40	0.00	
6700.00	0.00	359.63	6650.38	-526.49	-279.94	-516.40	0.00	
6800.00	0.00	359.63	6750.38	-526.49	-279.94	-516.40	0.00	
6900.00	0.00	359.63	6850.38	-526.49	-279.94	-516.40	0.00	
7000.00	0.00	359.63	6950.38	-526.49	-279.94	-516.40	0.00	
7100.00	0.00	359.63	7050.38	-526.49	-279.94	-516.40	0.00	
7200.00	0.00	359.63	7150.38	-526.49	-279.94	-516.40	0.00	
7300.00	0.00	359.63	7250.38	-526.49	-279.94	-516.40	0.00	
7400.00	0.00	359.63	7350.38	-526.49	-279.94	-516.40	0.00	
7500.00	0.00	359.63	7450.38	-526.49	-279.94	-516.40	0.00	
7600.00	0.00	359.63	7550.38	-526.49	-279.94	-516.40	0.00	
7700.00	0.00	359.63	7650.38	-526.49	-279.94	-516.40	0.00	
7800.00	0.00	359.63	7750.38	-526.49	-279.94	-516.40	0.00	
7900.00	0.00	359.63	7850.38	-526.49	-279.94	-516.40	0.00	
8000.00	0.00	359.63	7950.38	-526.49	-279.94	-516.40	0.00	
8100.00	0.00	359.63	8050.38	-526.49	-279.94	-516.40	0.00	
8184.62	0.00	359.63	8135.00	-526.49	-279.94	-516.40	0.00	1st Bone Spring Lime
8200.00	0.00	359.63	8150.38	-526.49	-279.94	-516.40	0.00	
8300.00	0.00	359.63	8250.38	-526.49	-279.94	-516.40	0.00	
8400.00	0.00	359.63	8350.38	-526.49	-279.94	-516.40	0.00	
8500.00	0.00	359.63	8450.38	-526.49	-279.94	-516.40	0.00	
8600.00	0.00	359.63	8550.38	-526.49	-279.94	-516.40	0.00	
8700.00	0.00	359.63	8650.38	-526.49	-279.94	-516.40	0.00	
8800.00	0.00	359.63	8750.38	-526.49	-279.94	-516.40	0.00	
8900.00	0.00	359.63	8850.38	-526.49	-279.94	-516.40	0.00	
9000.00	0.00	359.63	8950.38	-526.49	-279.94	-516.40	0.00	
9100.00	0.00	359.63	9050.38	-526.49	-279.94	-516.40	0.00	
9200.00	0.00	359.63	9150.38	-526.49	-279.94	-516.40	0.00	
9284.62	0.00	359.63	9235.00	-526.49	-279.94	-516.40	0.00	Bone Spring 1st
9300.00	0.00	359.63	9250.38	-526.49	-279.94	-516.40	0.00	
9400.00	0.00	359.63	9350.38	-526.49	-279.94	-516.40	0.00	
9500.00	0.00	359.63	9450.38	-526.49	-279.94	-516.40	0.00	
9600.00	0.00	359.63	9550.38	-526.49	-279.94	-516.40	0.00	
9700.00	0.00	359.63	9650.38	-526.49	-279.94	-516.40	0.00	
9784.62	0.00	359.63	9735.00	-526.49	-279.94	-516.40	0.00	Bone Spring 2nd
9800.00	0.00	359.63	9750.38	-526.49	-279.94	-516.40	0.00	
9900.00	0.00	359.63	9850.38	-526.49	-279.94	-516.40	0.00	
10000.00	0.00	359.63	9950.38	-526.49	-279.94	-516.40	0.00	
10100.00	0.00	359.63	10050.38	-526.49	-279.94	-516.40	0.00	
10200.00	0.00	359.63	10150.38	-526.49	-279.94	-516.40	0.00	
10300.00	0.00	359.63	10250.38	-526.49	-279.94	-516.40	0.00	
10334.62	0.00	359.63	10285.00	-526.49	-279.94	-516.40	0.00	3rd Bone Spring Lime
10400.00	0.00	359.63	10350.38	-526.49	-279.94	-516.40	0.00	
10500.00	0.00	359.63	10450.38	-526.49	-279.94	-516.40	0.00	
10600.00	0.00	359.63	10550.38	-526.49	-279.94	-516.40	0.00	
10700.00	0.00	359.63	10650.38	-526.49	-279.94	-516.40	0.00	
10800.00	0.00	359.63	10750.38	-526.49	-279.94	-516.40	0.00	
10900.00	0.00	359.63	10850.38	-526.49	-279.94	-516.40	0.00	
11000.00	0.00	359.63	10950.38	-526.49	-279.94	-516.40	0.00	
11034.62	0.00	359.63	10985.00	-526.49	-279.94	-516.40	0.00	Bone Spring 3rd
11100.00	0.00	359.63	11050.38	-526.49	-279.94	-516.40	0.00	
11200.00	0.00	359.63	11150.38	-526.49	-279.94	-516.40	0.00	
11300.00	0.00	359.63	11250.38	-526.49	-279.94	-516.40	0.00	
11400.00	0.00	359.63	11350.38	-526.49	-279.94	-516.40	0.00	
11500.00	0.00	359.63	11450.38	-526.49	-279.94	-516.40	0.00	
11504.62	0.00	359.63	11455.00	-526.49	-279.94	-516.40	0.00	Wolfcamp / Point of Penetration
11516.67	0.00	359.63	11467.05	-526.49	-279.94	-516.40	0.00	KOP
11600.00	8.33	359.63	11550.08	-520.44	-279.98	-510.36	10.00	
11700.00	18.33	359.63	11647.27	-497.41	-280.13	-487.33	10.00	
11800.00	28.33	359.63	11738.97	-457.85	-280.38	-447.79	10.00	
11900.00	38.33	359.63	11822.41	-402.98	-280.74	-392.93	10.00	
12000.00	48.33	359.63	11895.06	-334.44	-281.18	-324.43	10.00	
12100.00	58.33	359.63	11954.70	-254.33	-281.70	-244.35	10.00	
12200.00	68.33	359.63	11999.52	-165.08	-282.28	-155.13	10.00	
12300.00	78.33	359.63	12028.17	-69.41	-282.89	-59.50	10.00	
12400.00	88.33	359.63	12039.77	29.79	-283.54	39.66	10.00	

Aleutian 10-3 Fed Com 813H



Well: Aleutian 10-3 Fed Com 813H
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)	
12419.56	90.29	359.63	12040.00	49.35	-283.66	59.21	10.00	Landing Point
12500.00	90.29	359.63	12039.59	129.78	-284.18	139.62	0.00	
12600.00	90.29	359.63	12039.09	229.78	-284.82	239.58	0.00	
12700.00	90.29	359.63	12038.59	329.77	-285.47	339.53	0.00	
12800.00	90.29	359.63	12038.08	429.77	-286.12	439.49	0.00	
12900.00	90.29	359.63	12037.58	529.77	-286.76	539.45	0.00	
13000.00	90.29	359.63	12037.07	629.76	-287.41	639.41	0.00	
13100.00	90.29	359.63	12036.57	729.76	-288.06	739.37	0.00	
13200.00	90.29	359.63	12036.06	829.76	-288.70	839.33	0.00	
13300.00	90.29	359.63	12035.56	929.75	-289.35	939.28	0.00	
13400.00	90.29	359.63	12035.05	1029.75	-290.00	1039.24	0.00	
13500.00	90.29	359.63	12034.55	1129.75	-290.64	1139.20	0.00	
13600.00	90.29	359.63	12034.04	1229.74	-291.29	1239.16	0.00	
13700.00	90.29	359.63	12033.54	1329.74	-291.93	1339.12	0.00	
13800.00	90.29	359.63	12033.04	1429.74	-292.58	1439.08	0.00	
13900.00	90.29	359.63	12032.53	1529.73	-293.23	1539.03	0.00	
14000.00	90.29	359.63	12032.03	1629.73	-293.87	1638.99	0.00	
14100.00	90.29	359.63	12031.52	1729.73	-294.52	1738.95	0.00	
14200.00	90.29	359.63	12031.02	1829.72	-295.17	1838.91	0.00	
14300.00	90.29	359.63	12030.51	1929.72	-295.81	1938.87	0.00	
14400.00	90.29	359.63	12030.01	2029.72	-296.46	2038.83	0.00	
14500.00	90.29	359.63	12029.50	2129.71	-297.10	2138.78	0.00	
14600.00	90.29	359.63	12029.00	2229.71	-297.75	2238.74	0.00	
14700.00	90.29	359.63	12028.49	2329.71	-298.40	2338.70	0.00	
14800.00	90.29	359.63	12027.99	2429.70	-299.04	2438.66	0.00	
14900.00	90.29	359.63	12027.49	2529.70	-299.69	2538.62	0.00	
15000.00	90.29	359.63	12026.98	2629.70	-300.34	2638.58	0.00	
15100.00	90.29	359.63	12026.48	2729.69	-300.98	2738.53	0.00	
15200.00	90.29	359.63	12025.97	2829.69	-301.63	2838.49	0.00	
15300.00	90.29	359.63	12025.47	2929.69	-302.27	2938.45	0.00	
15400.00	90.29	359.63	12024.96	3029.68	-302.92	3038.41	0.00	
15500.00	90.29	359.63	12024.46	3129.68	-303.57	3138.37	0.00	
15600.00	90.29	359.63	12023.95	3229.68	-304.21	3238.33	0.00	
15700.00	90.29	359.63	12023.45	3329.67	-304.86	3338.28	0.00	
15800.00	90.29	359.63	12022.95	3429.67	-305.51	3438.24	0.00	
15900.00	90.29	359.63	12022.44	3529.67	-306.15	3538.20	0.00	
16000.00	90.29	359.63	12021.94	3629.66	-306.80	3638.16	0.00	
16100.00	90.29	359.63	12021.43	3729.66	-307.45	3738.12	0.00	
16200.00	90.29	359.63	12020.93	3829.66	-308.09	3838.08	0.00	
16300.00	90.29	359.63	12020.42	3929.65	-308.74	3938.03	0.00	
16400.00	90.29	359.63	12019.92	4029.65	-309.38	4037.99	0.00	
16500.00	90.29	359.63	12019.41	4129.65	-310.03	4137.95	0.00	
16600.00	90.29	359.63	12018.91	4229.64	-310.68	4237.91	0.00	
16700.00	90.29	359.63	12018.40	4329.64	-311.32	4337.87	0.00	
16800.00	90.29	359.63	12017.90	4429.64	-311.97	4437.82	0.00	
16900.00	90.29	359.63	12017.40	4529.63	-312.62	4537.78	0.00	
17000.00	90.29	359.63	12016.89	4629.63	-313.26	4637.74	0.00	
17100.00	90.29	359.63	12016.39	4729.63	-313.91	4737.70	0.00	
17200.00	90.29	359.63	12015.88	4829.62	-314.55	4837.66	0.00	
17300.00	90.29	359.63	12015.38	4929.62	-315.20	4937.62	0.00	
17400.00	90.29	359.63	12014.87	5029.62	-315.85	5037.57	0.00	
17500.00	90.29	359.63	12014.37	5129.61	-316.49	5137.53	0.00	
17600.00	90.29	359.63	12013.86	5229.61	-317.14	5237.49	0.00	
17700.00	90.29	359.63	12013.36	5329.61	-317.79	5337.45	0.00	
17800.00	90.29	359.63	12012.85	5429.60	-318.43	5437.41	0.00	
17900.00	90.29	359.63	12012.35	5529.60	-319.08	5537.37	0.00	
18000.00	90.29	359.63	12011.85	5629.60	-319.72	5637.32	0.00	
18100.00	90.29	359.63	12011.34	5729.59	-320.37	5737.28	0.00	
18200.00	90.29	359.63	12010.84	5829.59	-321.02	5837.24	0.00	
18300.00	90.29	359.63	12010.33	5929.59	-321.66	5937.20	0.00	
18400.00	90.29	359.63	12009.83	6029.58	-322.31	6037.16	0.00	
18500.00	90.29	359.63	12009.32	6129.58	-322.96	6137.12	0.00	
18600.00	90.29	359.63	12008.82	6229.58	-323.60	6237.07	0.00	
18700.00	90.29	359.63	12008.31	6329.57	-324.25	6337.03	0.00	
18800.00	90.29	359.63	12007.81	6429.57	-324.89	6436.99	0.00	
18900.00	90.29	359.63	12007.31	6529.57	-325.54	6536.95	0.00	
19000.00	90.29	359.63	12006.80	6629.56	-326.19	6636.91	0.00	
19100.00	90.29	359.63	12006.30	6729.56	-326.83	6736.87	0.00	
19200.00	90.29	359.63	12005.79	6829.56	-327.48	6836.82	0.00	
19300.00	90.29	359.63	12005.29	6929.55	-328.13	6936.78	0.00	

Aleutian 10-3 Fed Com 813H



Well: Aleutian 10-3 Fed Com 813H
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
19400.00	90.29	359.63	12004.78	7029.55	-328.77	7036.74	0.00	
19500.00	90.29	359.63	12004.28	7129.55	-329.42	7136.70	0.00	
19600.00	90.29	359.63	12003.77	7229.54	-330.07	7236.66	0.00	
19700.00	90.29	359.63	12003.27	7329.54	-330.71	7336.62	0.00	
19800.00	90.29	359.63	12002.76	7429.54	-331.36	7436.57	0.00	
19900.00	90.29	359.63	12002.26	7529.53	-332.00	7536.53	0.00	
20000.00	90.29	359.63	12001.76	7629.53	-332.65	7636.49	0.00	
20100.00	90.29	359.63	12001.25	7729.53	-333.30	7736.45	0.00	
20200.00	90.29	359.63	12000.75	7829.52	-333.94	7836.41	0.00	
20300.00	90.29	359.63	12000.24	7929.52	-334.59	7936.37	0.00	
20400.00	90.29	359.63	11999.74	8029.52	-335.24	8036.32	0.00	
20500.00	90.29	359.63	11999.23	8129.51	-335.88	8136.28	0.00	
20600.00	90.29	359.63	11998.73	8229.51	-336.53	8236.24	0.00	
20700.00	90.29	359.63	11998.22	8329.51	-337.17	8336.20	0.00	
20800.00	90.29	359.63	11997.72	8429.50	-337.82	8436.16	0.00	
20900.00	90.29	359.63	11997.22	8529.50	-338.47	8536.11	0.00	
21000.00	90.29	359.63	11996.71	8629.50	-339.11	8636.07	0.00	
21100.00	90.29	359.63	11996.21	8729.49	-339.76	8736.03	0.00	
21200.00	90.29	359.63	11995.70	8829.49	-340.41	8835.99	0.00	
21300.00	90.29	359.63	11995.20	8929.49	-341.05	8935.95	0.00	
21400.00	90.29	359.63	11994.69	9029.48	-341.70	9035.91	0.00	
21500.00	90.29	359.63	11994.19	9129.48	-342.34	9135.86	0.00	
21600.00	90.29	359.63	11993.68	9229.48	-342.99	9235.82	0.00	
21700.00	90.29	359.63	11993.18	9329.47	-343.64	9335.78	0.00	
21800.00	90.29	359.63	11992.67	9429.47	-344.28	9435.74	0.00	
21900.00	90.29	359.63	11992.17	9529.47	-344.93	9535.70	0.00	
22000.00	90.29	359.63	11991.67	9629.46	-345.58	9635.66	0.00	
22100.00	90.29	359.63	11991.16	9729.46	-346.22	9735.61	0.00	
22200.00	90.29	359.63	11990.66	9829.46	-346.87	9835.57	0.00	
22247.49	90.29	359.63	11990.42	9876.94	-347.18	9883.04	0.00	exit
22300.00	90.29	359.63	11990.15	9929.45	-347.51	9935.53	0.00	
22327.49	90.29	359.63	11990.00	9956.94	-347.64	9963.01	0.00	BHL

Aleutian 10-3 Fed Com 813H

Well: Aleutian 10-3 Fed Com 813H
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 (H₂S) Contingency Plan

For

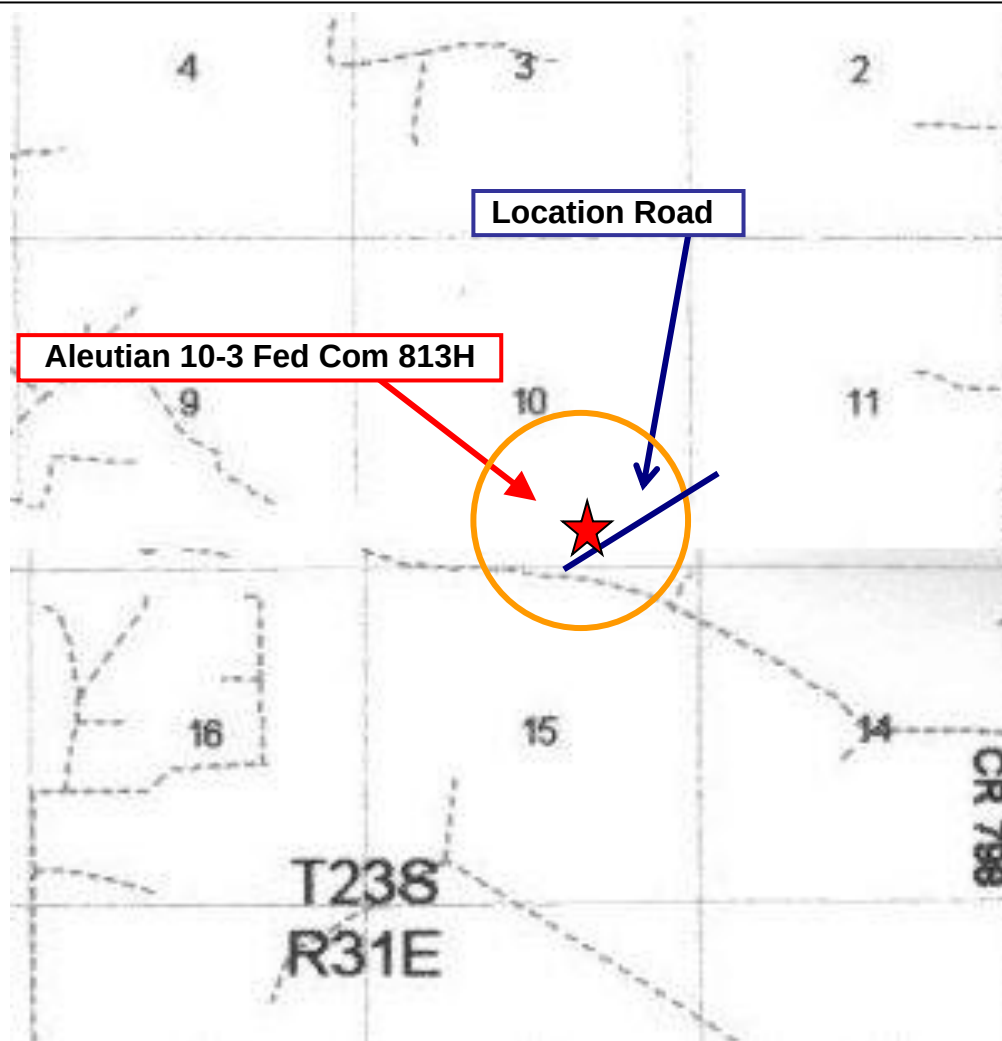
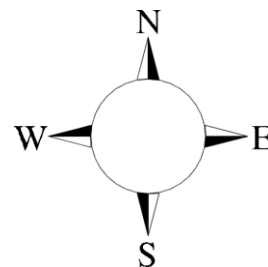
Aleutian 10-3 Fed Com 813H

**Sec-10 T-23S R-31E
570 FSL & 1697' FEL
LAT. = 32.3133102 N (NAD83)
LONG = 103.7626159 W**

Eddy County NM

Aleutian 10-3 Fed Com 813H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.



Assumed 100 ppm **ROE = 3000'** (Radius of Exposure)
100 ppm H₂S 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 H₂S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, 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 H₂S 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 H₂S, 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 (SO₂). 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 H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 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 (H₂S) 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 (H₂S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H₂S 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 H₂S 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 H₂S Drilling Operations Plan.

There will be weekly H₂S and well control drills for all personnel in each crew.

II. HYDROGEN SULFIDE TRAINING

Note: All H₂S 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 H₂S.

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. H₂S detection and monitoring equipment:

Portable H₂S monitors positioned on location for best coverage and response. These units have warning lights which activate when H₂S 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 H₂S circulated to surface. Proper mud weight, safe drilling practices and the use of H₂S scavengers will minimize hazards when penetrating H₂S bearing zones.

6. Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H₂S trim.

All elastomers used for packing and seals shall be H₂S trim.

7. Communication:

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

8. Well testing:

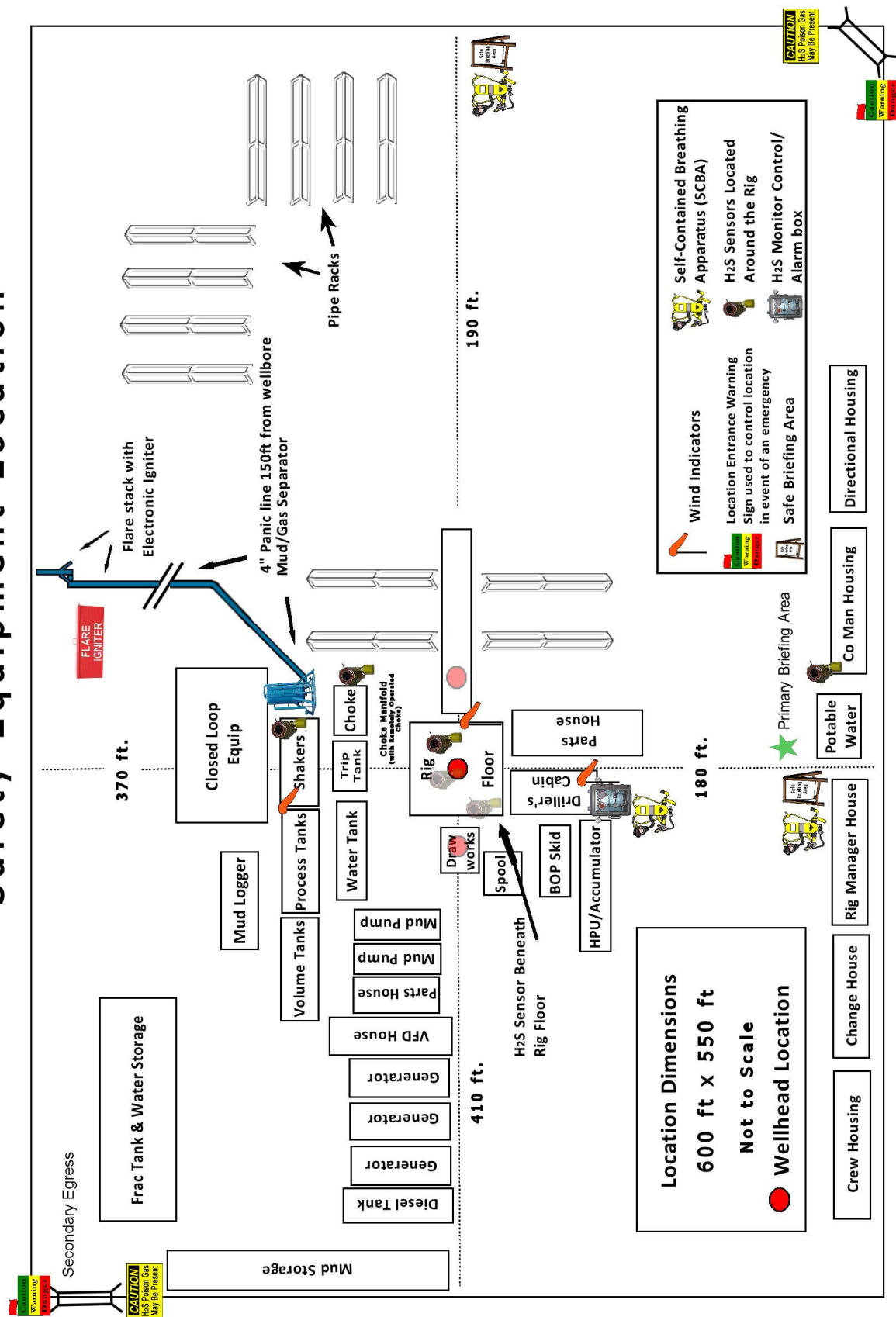
- a. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H₂S environment will use the closed chamber method of testing.
- b. There will be no drill stem testing.

Devon Energy Corp. Company Call List			
Employee/Company Contact Representative	Position	Phone Number	After Hours Number
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
Agency Call List			
<u>Lea County (575)</u>	Hobbs		
	Lea County Communication Authority		397-9265
	State Police		885-3138
	City Police		397-9265
	Sheriff's Office		396-3611
	Ambulance		911
	Fire Department		397-9308
	LEPC (Local Emergency Planning Committee)		393-2870
	NMOCD		393-6161
	US Bureau of Land Management (Hobbs Office Closed)		393-0002
<u>Eddy County (575)</u>	Carlsbad		
	State Police		885-3137
	City Police		885-2111
	Sheriff's Office		887-7551
	Ambulance		911
	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
	Emergency Services		
	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

Give GPS position:	Native Air – Emergency Helicopter – Hobbs	(575) 347-9836
	For Air Ambulance - Eddy County Dispatch	(575)-616-7155
	For Air Ambulance - Lea County (LCCA)	(575)-397-9265
	Poison Control (24/7)	(800) 222-1222
	Oil & Gas Pipeline 24 Hour Service	(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov	
	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 505-476-8700

Prepared in conjunction with
Dave Small





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.

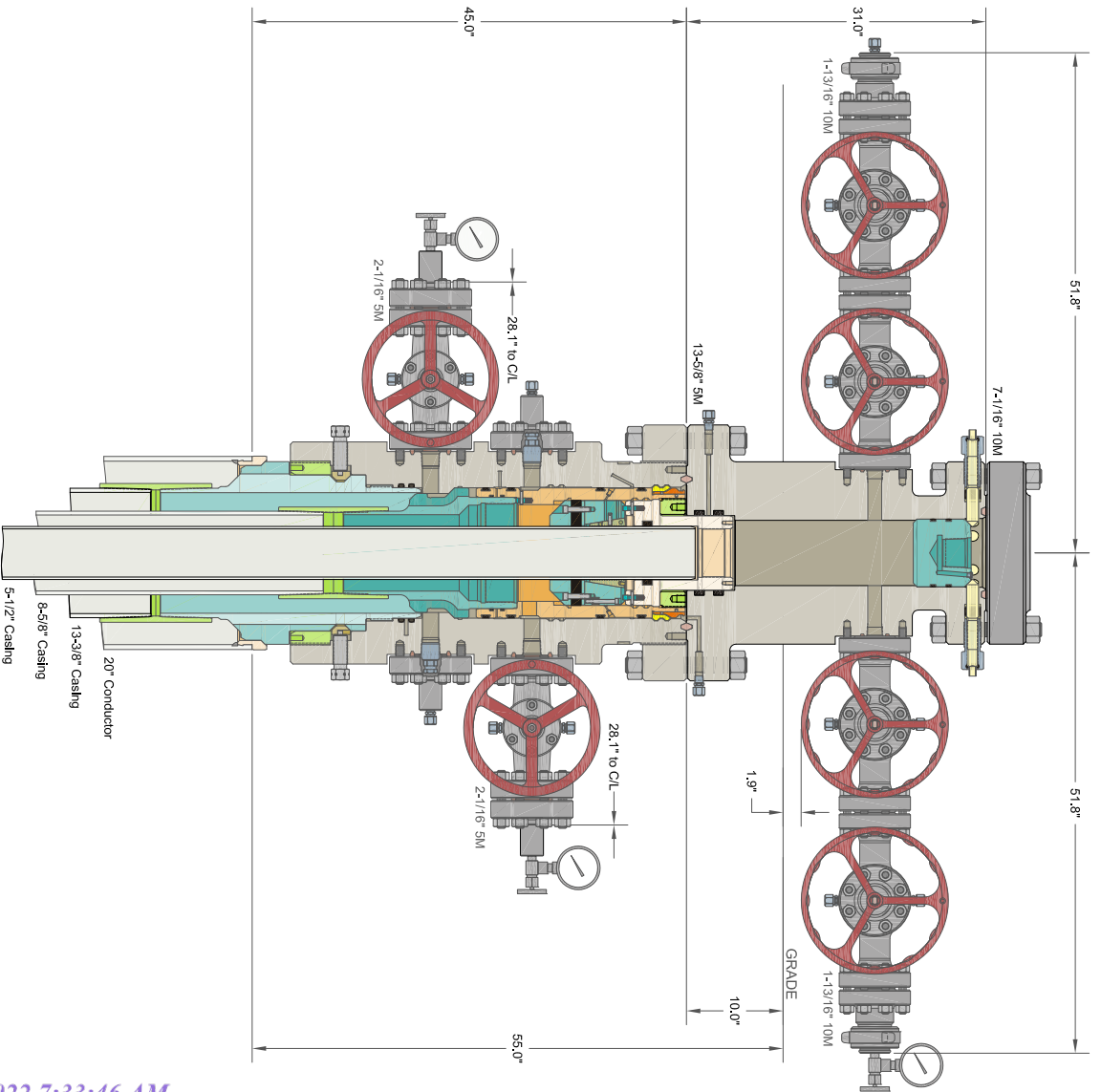
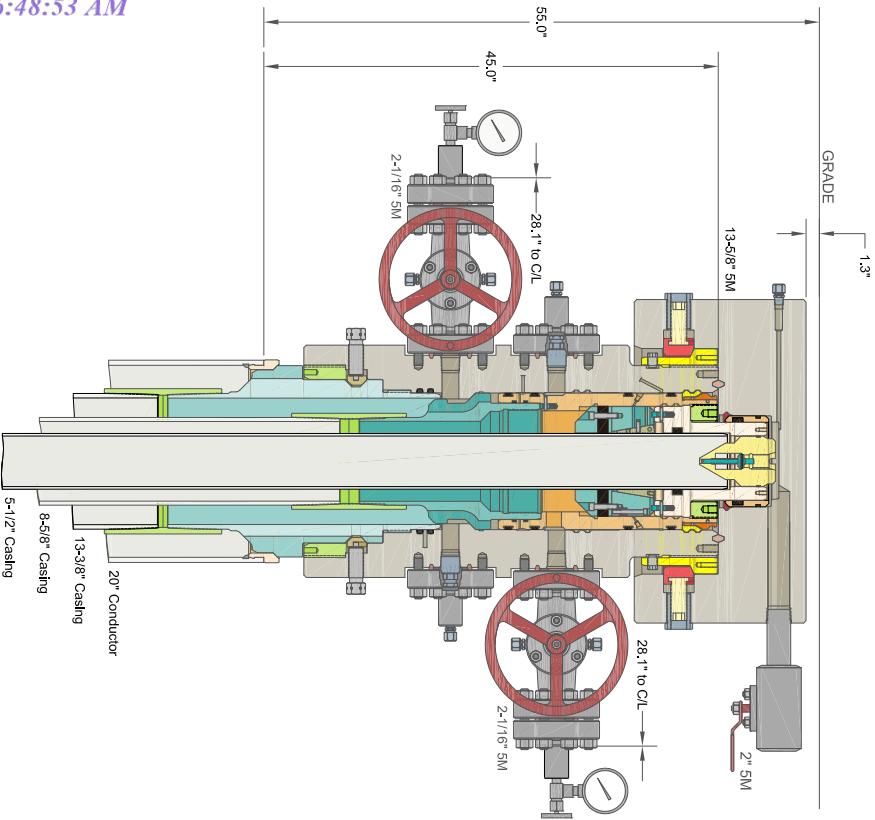
- Wellhead will be installed by wellhead representatives.
- If the welding is performed by a third party, the wellhead representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- Wellhead representative will install the test plug for the initial 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

ALL DIMENSIONS APPROXIMATE

DEVON ENERGY CORPORATION
DELAWARE BASIN

DRAWN	DLE	25FEB19
APPRV		
DRAWING NO.	SDT-1929	

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 104802

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 104802
	Action Type: [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