

Well Name: PAPAS FRITAS 27-22 FED COM	Well Location: T23S / R29E / SEC 34 / NWNW /	County or Parish/State:
Well Number: 232H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM105557	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549766	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2691881

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 09/12/2022	Time Sundry Submitted: 09:53
Date proposed operation will begin: 09/12/2022	

**Procedure Description:** PAPAS FRITAS 27-22 FED COM 232H Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL on the subject well. Please see attached revised C102, drill plan (break test variance included), and directional plan. Permitted SHL: NWNW 187 FNL, 1168 FWL, 34-23S-29E Proposed SHL: NWNW, 227 FNL, 1168 FWL, 34-23S-29E

NOI Attachments

Procedure Description

- PAPAS\_FRITAS\_27\_22\_FED\_COM\_232H\_Dir\_Plan\_8\_31\_2022\_20220912095227.pdf
- break\_test\_variance\_BOP\_20220912095228.pdf
- WA018178353\_PAPAS\_FRITAS\_27\_22\_FED\_COM\_232H\_WL\_R1\_9\_12\_2022\_20220912095230.pdf
- PAPAS\_FRITAS\_27\_22\_FED\_COM\_232H\_20220912095227.pdf

<b>Well Name:</b> PAPAS FRITAS 27-22 FED COM	<b>Well Location:</b> T23S / R29E / SEC 34 / NWNW /	<b>County or Parish/State:</b>
<b>Well Number:</b> 232H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM105557	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001549766	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional

Break\_Test\_COA\_Variance\_20221018121459.pdf

Operator

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

<b>Operator Electronic Signature:</b> SHAYDA OMOUMI	<b>Signed on:</b> SEP 12, 2022 09:53 AM
<b>Name:</b> DEVON ENERGY PRODUCTION COMPANY LP	
<b>Title:</b> Regulatory Compliance Associate 3	
<b>Street Address:</b> 333 W SHERIDAN AVE	
<b>City:</b> OKLAHOMA CITY	<b>State:</b> OK
<b>Phone:</b> (405) 235-3611	
<b>Email address:</b> SHAYDA.OMOUMI@DVN.COM	

Field

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> CHRISTOPHER WALLS	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5752342234	<b>BLM POC Email Address:</b> cwalls@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 10/24/2022
<b>Signature:</b> 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 &amp; 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 <b>30-015-49766</b>	<sup>2</sup> Pool Code <b>96721</b>	<sup>3</sup> Pool Name <b>LAGUNA SALADO; BONE SPRING</b>
<sup>4</sup> Property Code <b>326778</b>	<sup>5</sup> Property Name <b>PAPAS FRITAS 27-22 FED COM</b>	
<sup>7</sup> GRID No. <b>6137</b>	<sup>8</sup> Operator Name <b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b>	<sup>6</sup> Well Number <b>232H</b>
		<sup>9</sup> Elevation <b>3022.0'</b>

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	23-S	29-E		227	NORTH	1168	WEST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	23-S	29-E		20	NORTH	1230	WEST	EDDY

<sup>12</sup> Dedicated Acres <b>640</b>	<sup>13</sup> Joint or Infill <b>1 of 2 pool codes per NMOCD</b>	<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.

16

**PAPAS FRITAS**  
**27-22 FED COM 232H**  
ELEV: 3022.0  
LAT: 32.2679684°  
LON: -103.9774029°  
N: 461402.37  
E: 651349.90

**FIRST TAKE POINT**  
LAT: 32.2688664°  
LON: -103.9772122°  
N: 461729.24  
E: 651407.75

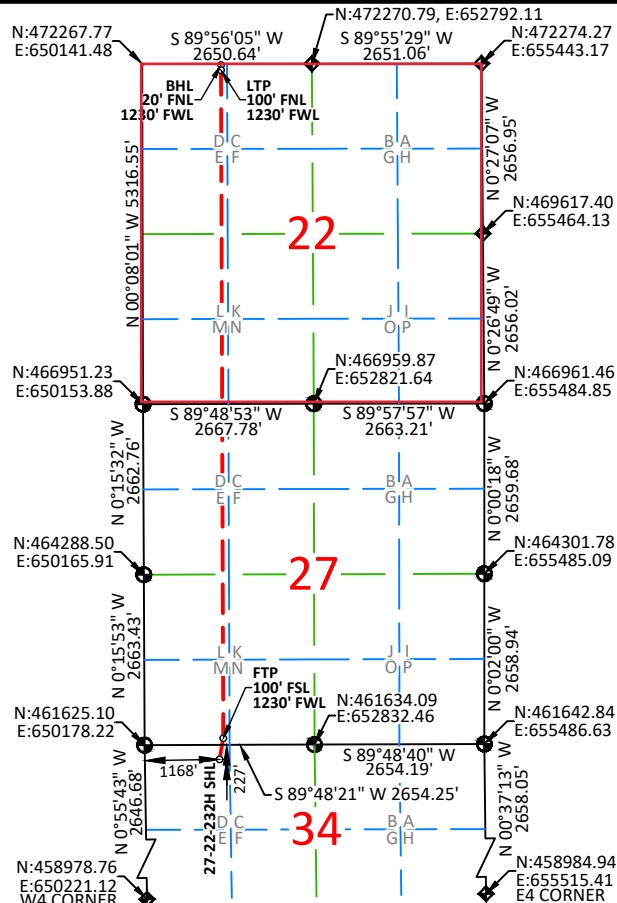
**LAST TAKE POINT**  
LAT: 32.2975643°  
LON: -103.9772164°  
N: 472169.19  
E: 651371.80

**BOTTOM HOLE LOCATION**  
LAT: 32.2977842°  
LON: -103.9772164°  
N: 472249.17  
E: 651371.52

- 3" USGLO BRASS CAP ON 2.5" IRON PIPE
- 2" USGLO BRASS CAP ON 2" IRON PIPE

**NOTES:**

- BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON DECEMBER 3RD, 2018.
- DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCES IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000220979 FOR GROUND DISTANCES.
- ELEVATIONS SHOWN ARE EXISTING GROUND ELEVATIONS AND ARE OF NAVD 88 COMPUTED USING GEIOD 12B.

**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.

Signature: *Shayda Omoumi* Date: **8/25/2022**

Printed Name: **Shayda Omoumi**E-mail Address: **shayda.omoumi@dvn.com****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.

Date of Survey: **08/15/2022**

Signature and Seal of Professional Surveyor:

Signature and Seal of Professional Surveyor:



Certificate No. 25339 DAVID A. FEHRINGER  
Drawn by: JMA Checked by: DAF Date: 08/17/2022

**District I**1625 N. French Dr., Hobbs, NM 88240  
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## Energy, Minerals &amp; Natural Resources Department

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

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**Form C-102**

Revised August 1, 2011

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<sup>12</sup> Dedicated Acres <b>640</b>	<sup>13</sup> Joint or Infill <b>1 of 2 pool codes per NMOCD</b>	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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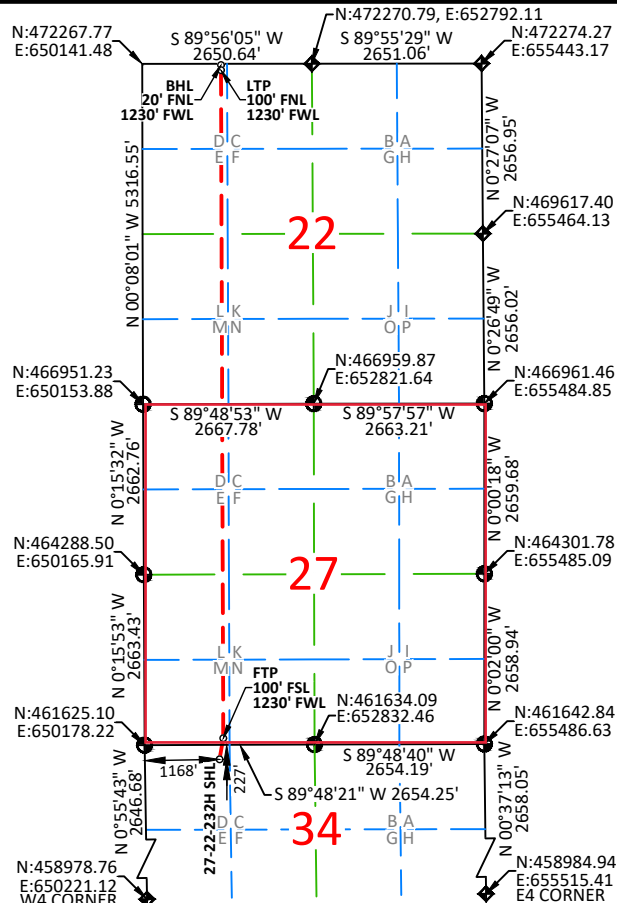
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Printed Name: **Shayda Omoumi**E-mail Address: **shayda.omoumi@dvn.com****18 SURVEYOR CERTIFICATION**

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08/15/2022

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate No. 25339 DAVID A. FEHRINGER  
Drawn by: JMA Checked by: DAF Date: 08/17/2022

Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: PAPAS FRITAS 27-22 FED COM	Well Number 232H

## Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	27	23-S	29-E		48	SOUTH	1230	WEST	EDDY
Latitude 32.26862969°					Longitude -103.97721200°				NAD 83

## First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	27	23-S	29-E		100	SOUTH	1230	WEST	EDDY
Latitude 32.2688664°					Longitude -103.9772122°				NAD 83

## Last Take Point (LTP)

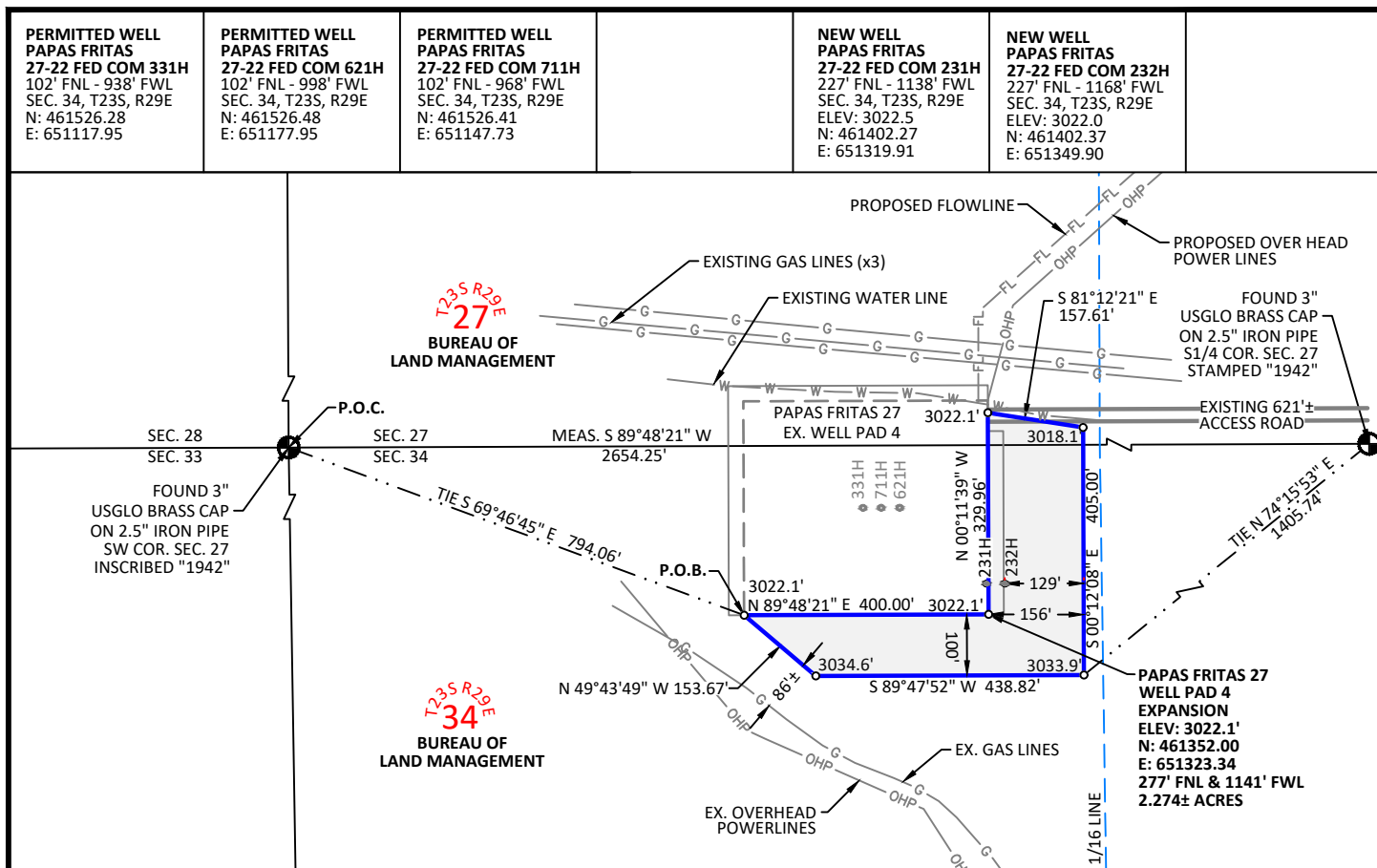
UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	22	23-S	29-E		100	NORTH	1230	WEST	EDDY
Latitude 32.2975643°					Longitude -103.9772164°				NAD 83

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

If infill is yes 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



150 75 75  
SCALE: 1" = 300'



1515 9TH STREET, STE A, ROCK SPRINGS, WY 82901  
307.362.6065 | 866.938.3088 | www.whsmithhpc.com

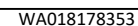
DRAWN BY: JJW	CHECKED BY: DAF
DATE: 05/06/2019	JOB NO: 18080
REVISIONS: (09/04/2020 JMA) NEW BLM LAYOUT (8/16/2022 JEB) MOVE WELLS 231H AND 232H	

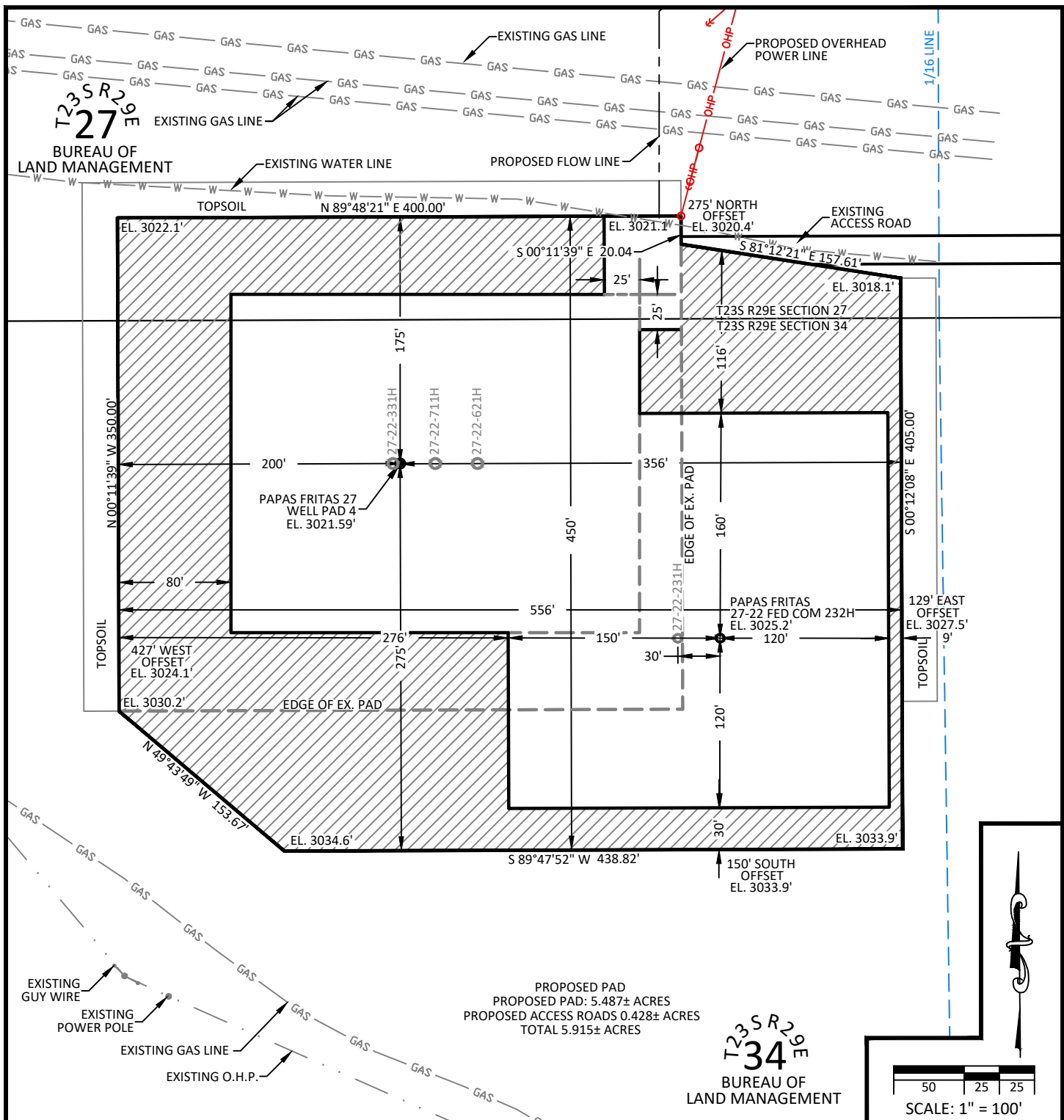
**DEVON ENERGY PRODUCTION CO., L.P.**  
**PAPAS FRITAS 27 WELL PAD 4 EXPANSION**  
**SURFACE SITE EASEMENT**  
 ON THE PROPERTY OF  
**BUREAU OF LAND MANAGEMENT**  
 SW1/4 SW1/4, SECTION 27, NW1/4 NW1/4, SECTION 34,  
 TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO



AA000260618







DENOTES INTERIM PAD RECLAMATION AREA

2.401 ± ACRES INTERIM PAD RECLAMATION AREA  
 3.086 ± ACRES NON-RECLAIMED AREA  
 5.487 ± ACRES GRADING SITE RECLAMATION AREA

**NOTES:**  
 1. BASIS OF BEARINGS, COORDINATES AND DISTANCES ARE STATE PLANE GRID, NAD 83, NEW MEXICO EAST (3001) WITH A CONVERGENCE ANGLE OF 0.19373333° AND A COMBINED SCALE FACTOR OF 0.999779070 BASED ON CONTROL POINT HILLTOP AT N. 456034.443' E. 653560.641'.  
 2. UNITS REPRESENTED ON THIS PLAT ARE IN US SURVEY FEET.  
 3. ELEVATIONS SHOWN ARE EXISTING GROUND UNLESS OTHERWISE NOTED



DRAWN BY: BLM  
 DATE: 09/04/2020  
 REVISIONS: (8/15/22 JEB) MOVE SHL's

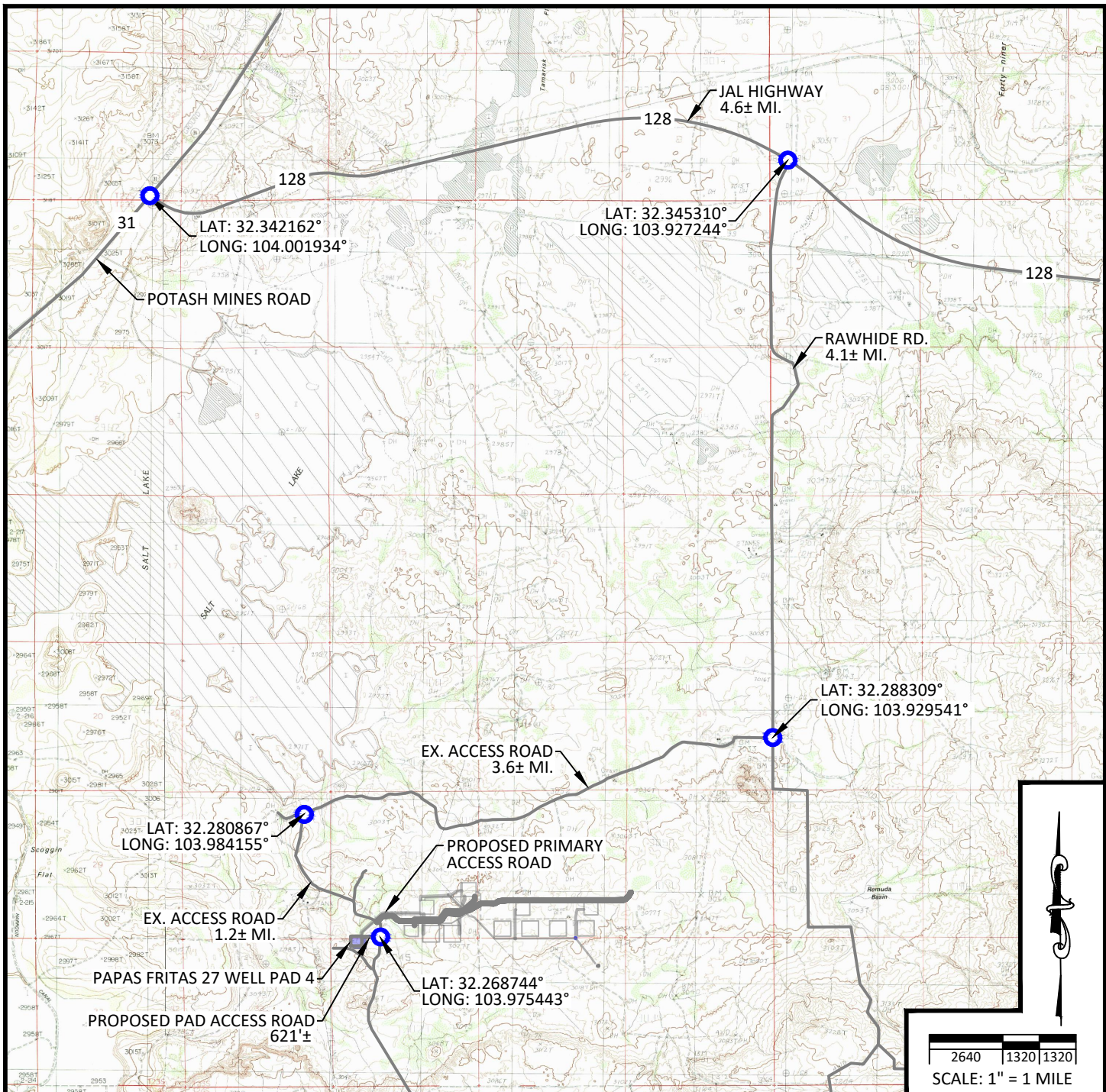
CHECKED BY: JEB  
 JOB NO: 18080

**INTERIM SITE BUILD PLAN**  
**DEVON ENERGY PRODUCTION CO., L.P.**  
**PAPAS FRITAS 27-22 FED COM 232H**  
 LOCATED 227 FEET FROM THE NORTH LINE,  
 AND 1168 FEET FROM THE WEST LINE,  
 SECTION 34, TOWNSHIP 23 SOUTH  
 RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO



WA018178353



**NOTES:**

1. BASIS OF BEARINGS, COORDINATES AND DISTANCES ARE STATE PLANE GRID, NAD 83, NEW MEXICO EAST (3001) WITH A CONVERGENCE ANGLE OF 0.19373333° AND A COMBINED SCALE FACTOR OF 0.999779070 BASED ON CONTROL POINT HILLTOP AT N. 456034.443' E. 653560.641'.
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**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF HIGHWAY 128 (JAL HWY) AND RAWHIDE ROAD, HEAD SOUTH ON RAWHIDE ROAD FOR 4.1± MILES. TURN RIGHT ON AN UNNAMED ACCESS ROAD AND HEAD WEST FOR 3.6± MILES. TURN LEFT AND HEAD SOUTH ON AN UNNAMED ACCESS ROAD FOR 1.2± MILES TO THE BEGINNING OF THE WELL PAD 4 ACCESS ROAD ON THE RIGHT. TURN RIGHT HEADING SOUTH FOR 621± FEET TO WELL PAD 4.



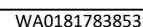
DRAWN BY: JEB	CHECKED BY: RAW
DATE: 09/01/2020	JOB NO: 18080
REVISIONS: (8/17/22 JMA) MOVE SHL'S	

**VICINITY MAP**  
**DEVON ENERGY PRODUCTION CO., L.P.**  
**PAPAS FRITAS 27-22 FED COM 232H**  
 LOCATED 227 FEET FROM THE NORTH LINE,  
 AND 1168 FEET FROM THE WEST LINE,  
 SECTION 34, TOWNSHIP 23 SOUTH  
 RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

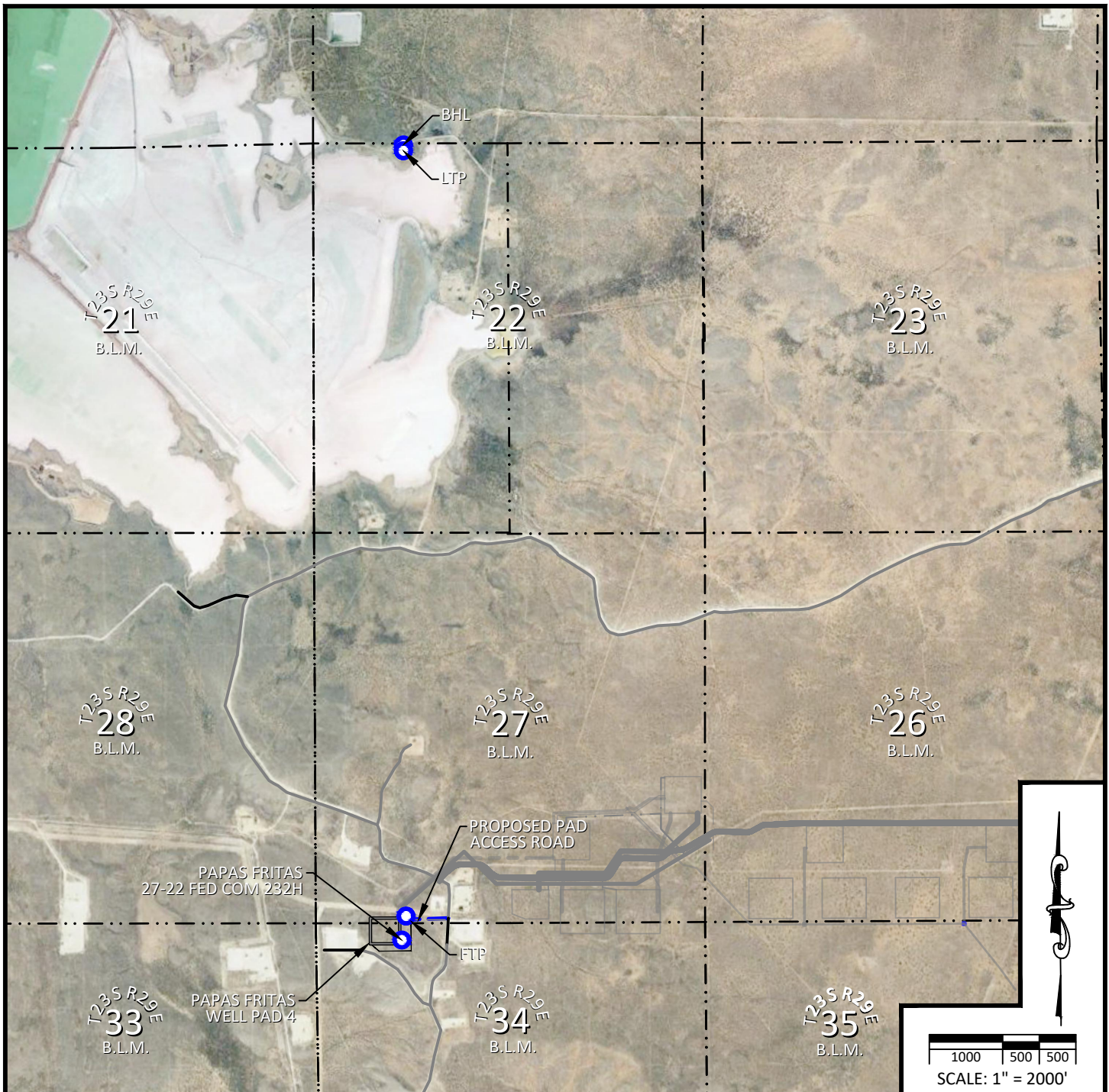


WA0181783853







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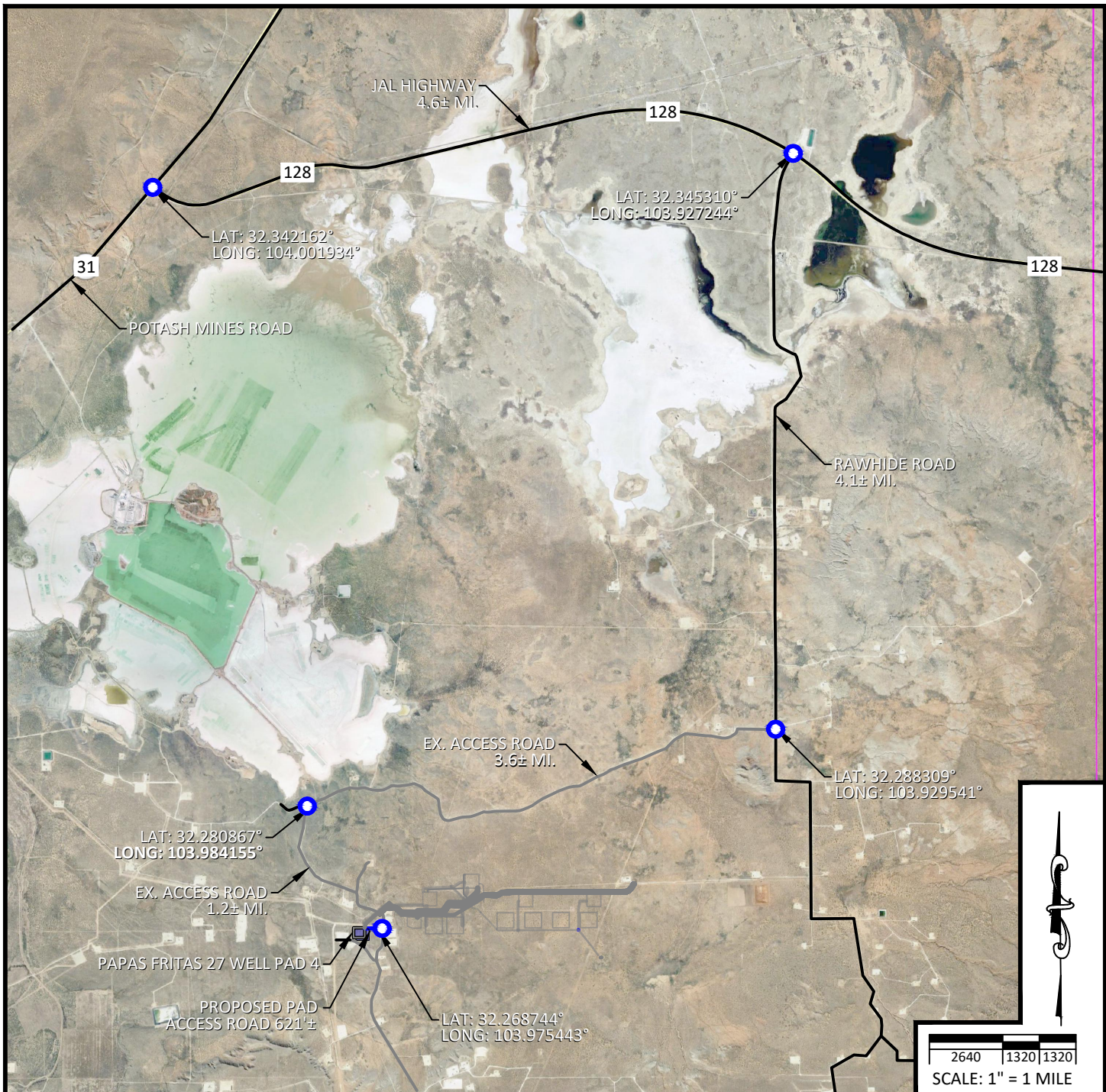
DRAWN BY: JEB	CHECKED BY: RAW
DATE: 09/01/2020	JOB NO: 18080
REVISIONS: (8/17/22 JMA) MOVE SHL'S	

**AERIAL MAP**  
**DEVON ENERGY PRODUCTION CO., L.P.**  
**PAPAS FRITAS 27-22 FED COM 232H**  
LOCATED 227 FEET FROM THE NORTH LINE,  
AND 1168 FEET FROM THE WEST LINE,  
SECTION 34, TOWNSHIP 23 SOUTH  
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WA0181783853



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DRAWN BY: JEB	CHECKED BY: RAW
DATE: 09/01/2020	JOB NO: 18080
REVISIONS: (8/17/22 JMA) MOVE SHL'S	

## AERIAL ACCESS ROUTE MAP

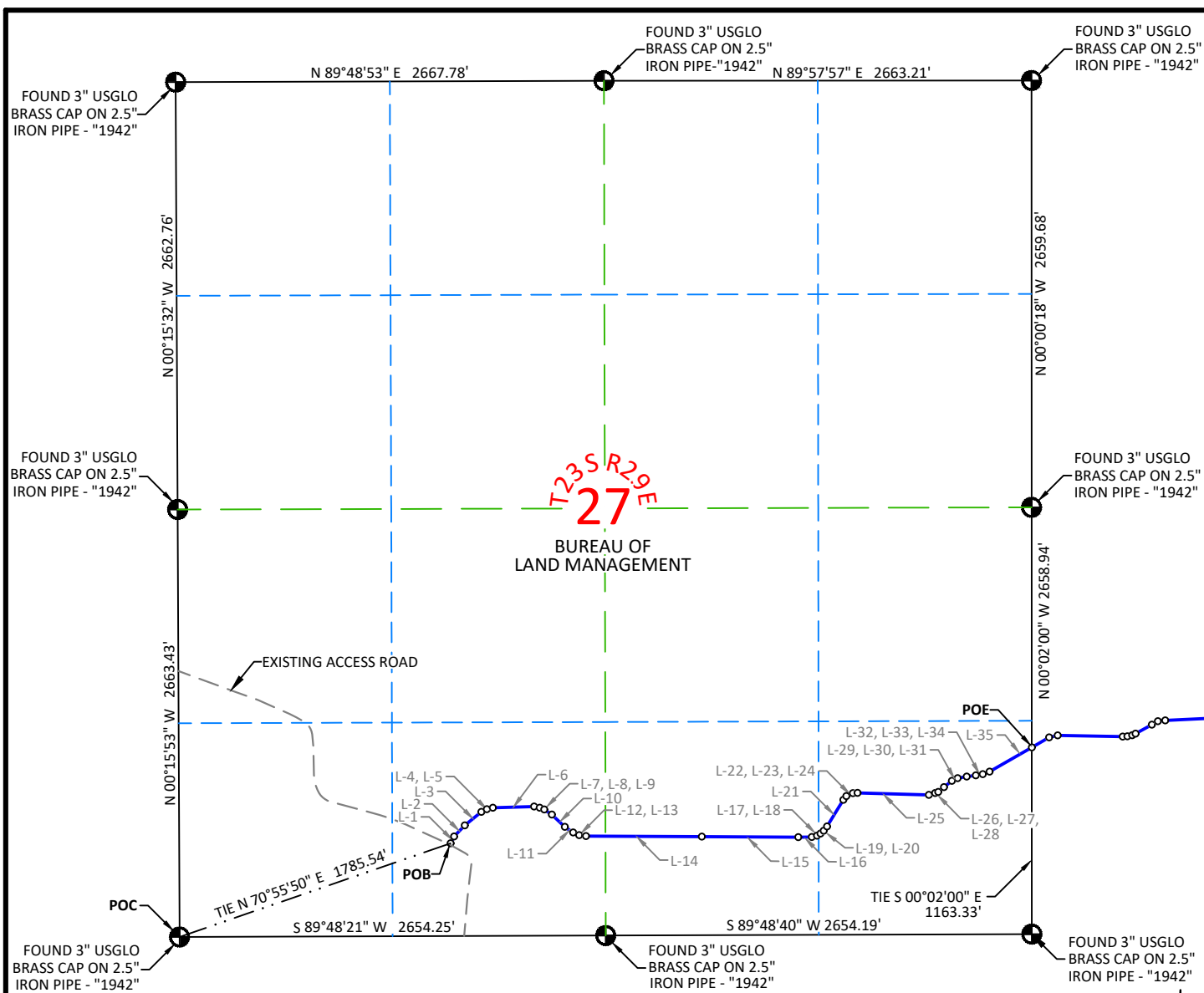
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**PAPAS FRITAS 27-22 FED COM 232H**  
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SECTION 34, TOWNSHIP 23 SOUTH  
RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO



WA018178353






I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

3976.97 FEET OR 241.03 RODS  
30' EASEMENT AREA = 2.739 ACRES

0+00.00 P.O.B. - AN EXISTING LEASE ROAD  
39+76.97 P.O.E. - A POINT ON EAST LINE OF SECTION 27

LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

 10/03/2020

ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 DATE

**P.O.C. = POINT OF COMMENCEMENT**  
**P.O.B. = POINT OF BEGINNING**  
**P.O.E. = POINT OF ENDING**

500 250 250

SCALE: 1" = 1000'

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DRAWN BY: JEB	CHECKED BY: RAW
DATE: 10/01/2020	JOB NO: 18080
REVISIONS:	

**DEVON ENERGY PRODUCTION, L.P.**  
**PAPAS FRITAS 27**  
**PRIMARY ACCESS ROAD AS-BUILT**  
 30' EASEMENT FOR EXISTING ACCESS ON THE PROPERTY OF  
**BUREAU OF LAND MANAGEMENT**  
 SE1/4 SW1/4, S1/2 SE1/4, SECTION 27,  
 TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO



ID NUMBER: 7690053R

**LEGAL DESCRIPTION  
FOR  
DEVON ENERGY PRODUCTION COMPANY, L.P.  
BUREAU OF LAND MANAGEMENT**

**30' EASEMENT FOR EXISTING ACCESS ROAD:**

A strip of land located in the Southeast Quarter of the Southwest Quarter (SE1/4 SW1/4) and the South Half of the Southeast Quarter (S1/2 SE1/4) of Section 27, Township 23 South, Range 29 East, of the New Mexico Principal Meridian, Eddy county, State of New Mexico, being thirty feet (30') in width, lying fifteen feet (15') on each side of the following described centerline:

Commencing at the Southwest corner of said Section 27 (P.O.C.) (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe); thence, North 70°55'50" East a distance of 1785.54 feet to the (P.O.B.) Point Of Beginning;  
Thence, North 26°57'15" East 48.10 Feet; thence, North 44°04'08" East 95.24 Feet; thence, North 50°40'19" East 133.59 Feet; thence, North 63°46'27" East 38.22 Feet; thence, North 77°03'10" East 38.45 Feet; thence, North 88°18'57" East 257.26 Feet; thence, South 77°43'31" East 35.75 Feet; thence, South 68°46'41" East 29.81 Feet; thence, South 56°43'18" East 56.95 Feet; thence, South 46°20'05" East 111.87 Feet; thence, South 56°09'42" East 62.70 Feet; thence, South 66°56'03" East 40.72 Feet; thence, South 81°33'41" East 42.67 Feet; thence, South 89°43'56" East 721.55 Feet; thence, South 89°41'40" East 601.10 Feet; thence, North 89°23'12" East 84.19 Feet; thence, North 76°22'00" East 33.56 Feet; thence, North 57°37'10" East 24.94 Feet; thence, North 48°39'56" East 26.42 Feet; thence, North 38°04'05" East 34.39 Feet; thence, North 31°33'50" East 194.49 Feet; thence, North 38°26'50" East 29.39 Feet; thence, North 65°58'27" East 44.78 Feet; thence, North 86°12'23" East 29.26 Feet; thence, South 88°26'02" East 443.89 Feet; thence, North 74°10'40" East 40.85 Feet; thence, North 69°26'23" East 20.18 Feet; thence, North 50°33'25" East 46.85 Feet; thence, North 51°22'08" East 63.27 Feet; thence, North 65°02'19" East 38.93 Feet; thence, North 79°56'17" East 58.21 Feet; thence, North 82°43'32" East 56.72 Feet; thence, North 80°11'08" East 43.72 Feet; thence, North 69°48'11" East 45.54 Feet; thence, North 60°04'36" East 303.41 feet to a point on the East line of said Section 27, also being the (P.O.E) Point of Ending, from which the Southeast corner of said Section 27 (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe) bears South 00°02'00" East a distance of 1163.33 feet. The sidelines are elongated or shortened to end at the East line of Section 27.

Said centerline being 3976.97 feet or 241.03 rods in length and containing 2.739 Acres more or less.

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L-1	N 26°57'15" E	48.10'	L-13	S 81°33'41" E	42.67'	L-25	S 88°26'02" E	443.89'
L-2	N 44°04'08" E	95.24'	L-14	S 89°43'56" E	721.55'	L-26	N 74°10'40" E	40.85'
L-3	N 50°40'19" E	133.59'	L-15	S 89°41'40" E	601.10'	L-27	N 69°26'23" E	20.18'
L-4	N 63°46'27" E	38.22'	L-16	N 89°23'12" E	84.19'	L-28	N 50°33'25" E	46.85'
L-5	N 77°03'10" E	38.45'	L-17	N 76°22'00" E	33.56'	L-29	N 51°22'08" E	63.27'
L-6	N 88°18'57" E	257.26'	L-18	N 57°37'10" E	24.94'	L-30	N 65°02'19" E	38.93'
L-7	S 77°43'31" E	35.75'	L-19	N 48°39'56" E	26.42'	L-31	N 79°56'17" E	58.21'
L-8	S 68°46'41" E	29.81'	L-20	N 38°04'05" E	34.39'	L-32	N 82°43'32" E	56.72'
L-9	S 56°43'18" E	56.95'	L-21	N 31°33'50" E	194.49'	L-33	N 80°11'08" E	43.72'
L-10	S 46°20'05" E	111.87'	L-22	N 38°26'50" E	29.39'	L-34	N 69°48'11" E	45.54'
L-11	S 56°09'42" E	62.70'	L-23	N 65°58'27" E	44.78'	L-35	N 60°04'36" E	303.41'
L-12	S 66°56'03" E	40.72'	L-24	N 86°12'23" E	29.26'			



I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

*Albert R. DeHoyos*

10/03/2020

ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 DATE

**NOTES:**

- BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON NOVEMBER, 9TH, 2018.
- DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCE IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000220979 FOR GROUND DISTANCES.



1515 9TH STREET, STE A, ROCK SPRINGS, WY 82901  
307.362.6065 | 866.938.3088 | www.whsmithpc.com

DRAWN BY: JEB  
DATE: 10/01/2020  
REVISIONS:

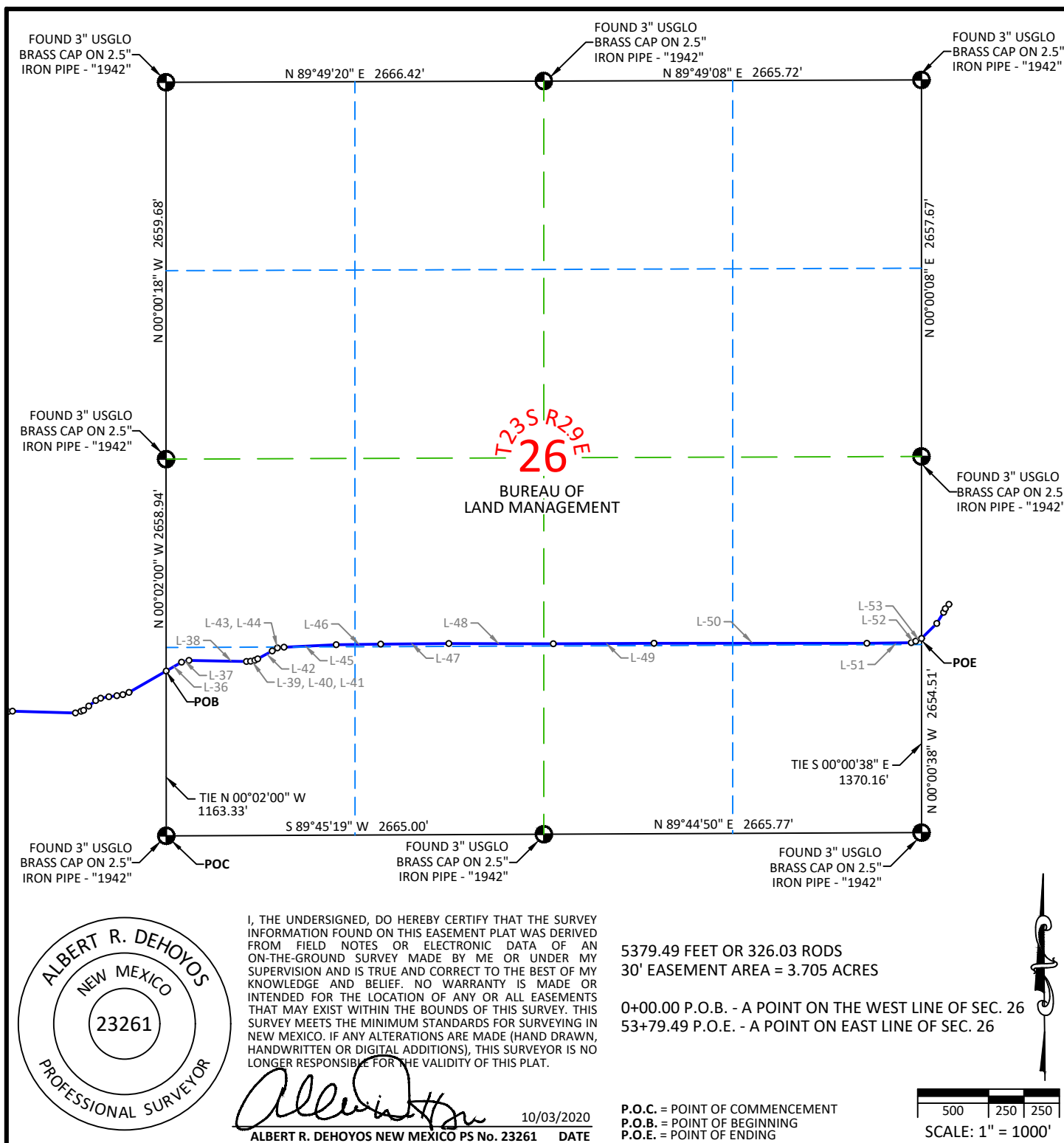
CHECKED BY: RAW  
JOB NO: 18080

**DEVON ENERGY PRODUCTION, L.P.  
PAPAS FRITAS 27  
PRIMARY ACCESS ROAD AS-BUILT  
30' EASEMENT FOR EXISTING ACCESS ON THE PROPERTY OF  
BUREAU OF LAND MANAGEMENT  
SE1/4 SW1/4, S1/2 SE1/4, SECTION 27,  
TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO**



ID NUMBER: 7690053R





**NOTES:**

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON NOVEMBER, 9TH, 2018.

2. DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCE IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000220979 FOR GROUND DISTANCES.



1515 9<sup>TH</sup> STREET, STE A, ROCK SPRINGS, WY 82901  
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DRAWN BY: JEB

CHECKED BY: RAW

DATE: 10/01/2020

JOB NO: 18080

REVISIONS:

**DEVON ENERGY PRODUCTION, L.P.**  
**PAPAS FRITAS 27**

**PRIMARY ACCESS ROAD AS-BUILT**  
**30' EASEMENT FOR EXISTING ACCESS ON THE PROPERTY OF**  
**BUREAU OF LAND MANAGEMENT**  
 S1/2, SECTION 26,  
 TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO



devon

ID NUMBER: 7690053R

**LEGAL DESCRIPTION**  
FOR  
**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**BUREAU OF LAND MANAGEMENT**

**30' EASEMENT FOR EXISTING ACCESS ROAD:**

A strip of land located in the South Half (S1/2) of Section 26, Township 23 South, Range 29 East, of the New Mexico Principal Meridian, Eddy county, State of New Mexico, being thirty feet (30') in width, lying fifteen feet (15') on each side of the following described centerline:

Commencing at the Southwest corner of said Section 26 (P.O.C.) (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe); thence, North 00°02'00" West a distance of 1163.33 feet to a point on the West Line of said Section 26, also being the (P.O.B.) Point Of Beginning; Thence, North 60°04'36" East 124.30 Feet; Thence, North 76°05'54" East 54.75 Feet; Thence, South 88°52'12" East 405.50 Feet; Thence, North 86°22'46" East 29.42 Feet; Thence, North 77°14'38" East 30.14 Feet; Thence, North 64°14'00" East 23.08 Feet; Thence, North 61°31'22" East 116.13 Feet; Thence, North 59°33'42" East 42.86 Feet; Thence, North 83°02'51" East 46.40 Feet; Thence, North 87°23'45" East 369.30 Feet; Thence, North 89°12'08" East 314.24 Feet; Thence, North 89°31'36" East 480.05 Feet; Thence, South 89°53'11" East 737.47 Feet; Thence, North 89°44'17" East 710.99 Feet; Thence, North 89°59'46" East 1502.07 Feet; Thence, North 89°15'59" East 313.90 Feet; Thence, North 70°00'39" East 33.26 Feet; Thence, North 65°09'22" East 45.63 Feet; to a point on the East line of said Section 26, also being the (P.O.E.) Point of Ending, from which the Southeast corner of said Section 26 (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe) bears South 00°00'38" East a distance of 1370.16 feet. The sidelines are elongated or shortened to begin at the West line of Section 26 and end at the East line of said Section 26.

Said centerline being 5379.49 feet or 326.03 rods in length and containing 3.705 Acres more or less.

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L36	N 60°04'36" E	124.30'	L45	N 87°23'45" E	369.30'
L37	N 76°05'54" E	54.75'	L46	N 89°12'08" E	314.24'
L38	S 88°52'12" E	405.50'	L47	N 89°31'36" E	480.05'
L39	N 86°22'46" E	29.42'	L48	S 89°53'11" E	737.47'
L40	N 77°14'38" E	30.14'	L49	N 89°44'17" E	710.99'
L41	N 64°14'00" E	23.08'	L50	N 89°59'46" E	1502.07'
L42	N 61°31'22" E	116.13'	L51	N 89°15'59" E	313.90'
L43	N 59°33'42" E	42.86'	L52	N 70°00'39" E	33.26'
L44	N 83°02'51" E	46.40'	L53	N 65°09'22" E	45.63'



I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

*Albert R. DeHoyos*

10/03/2020

ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 DATE

**NOTES:**

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON NOVEMBER, 9TH, 2018.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCE IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000220979 FOR GROUND DISTANCES.



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DRAWN BY: JEB

CHECKED BY: RAW

DATE: 10/01/2020

JOB NO: 18080

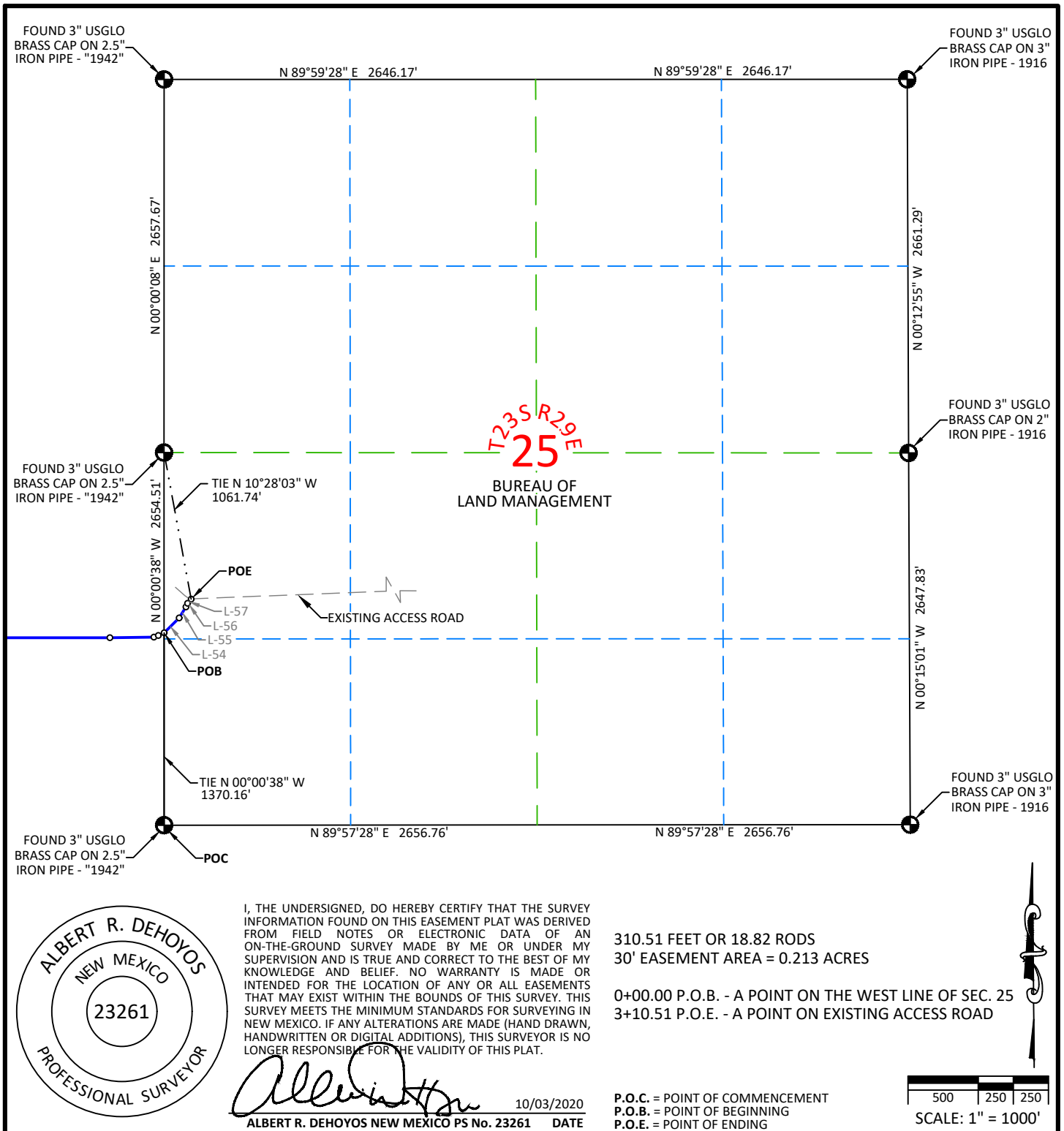
REVISIONS:

**DEVON ENERGY PRODUCTION, L.P.**  
**PAPAS FRITAS 27**

**PRIMARY ACCESS ROAD AS-BUILT**  
30' EASEMENT FOR EXISTING ACCESS ON THE PROPERTY OF  
**BUREAU OF LAND MANAGEMENT**  
S1/2, SECTION 26,  
TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO



ID NUMBER: 7690053R



## NOTES:

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON NOVEMBER, 9TH, 2018.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCE IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000220979 FOR GROUND DISTANCES.



DRAWN BY: JEB	CHECKED BY: RAW
DATE: 10/01/2020	JOB NO: 18080
REVISIONS:	

**DEVON ENERGY PRODUCTION, L.P.**  
**PAPAS FRITAS 27**  
**PRIMARY ACCESS ROAD AS-BUILT**  
 30' EASEMENT FOR EXISTING ACCESS ON THE PROPERTY OF  
**BUREAU OF LAND MANAGEMENT**  
 NW1/4 SW1/4, SECTION 25,  
 TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO



**LEGAL DESCRIPTION**  
FOR  
**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**BUREAU OF LAND MANAGEMENT**

**30' EASEMENT FOR EXISTING ACCESS ROAD:**

A strip of land located in the Northwest Quarter of the Southwest Quarter (NW1/4 SW1/4) of Section 25 Township 23 South, Range 29 East, of the New Mexico Principal Meridian, Eddy county, State of New Mexico, being thirty feet (30') in width, lying fifteen feet (15') on each side of the following described centerline:

Commencing at the Southwest corner of said Section 25 (P.O.C.) (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe); thence, North 00°00'38" West a distance of 1370.16 feet to a point on the West line of said Section 25, also being the (P.O.B.) Point Of Beginning;  
Thence, North 45°17'39" East 150.18 Feet;  
Thence, North 31°38'04" East 92.37 Feet;  
Thence, North 24°49'48" East 28.20 Feet;  
Thence, North 40°08'19" East 39.76 Feet to the (P.O.E.) Point of Ending, from which the West Quarter corner of said Section 25 (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe) bears North 10°28'03" West a distance of 1061.74 feet. The sidelines are elongated or shortened to begin at the West line of said Section 25.

Said centerline being 310.51 feet or 18.82 rods in length and containing 0.213 Acres more or less.

LINE	BEARING	DISTANCE
L54	N 45°17'39" E	150.18'
L55	N 31°38'04" E	92.37'
L56	N 24°49'48" E	28.20'
L57	N 40°08'19" E	39.76'



I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

*Albert R. DeHoyos*

10/03/2020

ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 DATE

**NOTES:**

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON NOVEMBER, 9TH, 2018.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCE IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000220979 FOR GROUND DISTANCES.



DRAWN BY: JEB

CHECKED BY: RAW

DATE: 10/01/2020

JOB NO: 18080

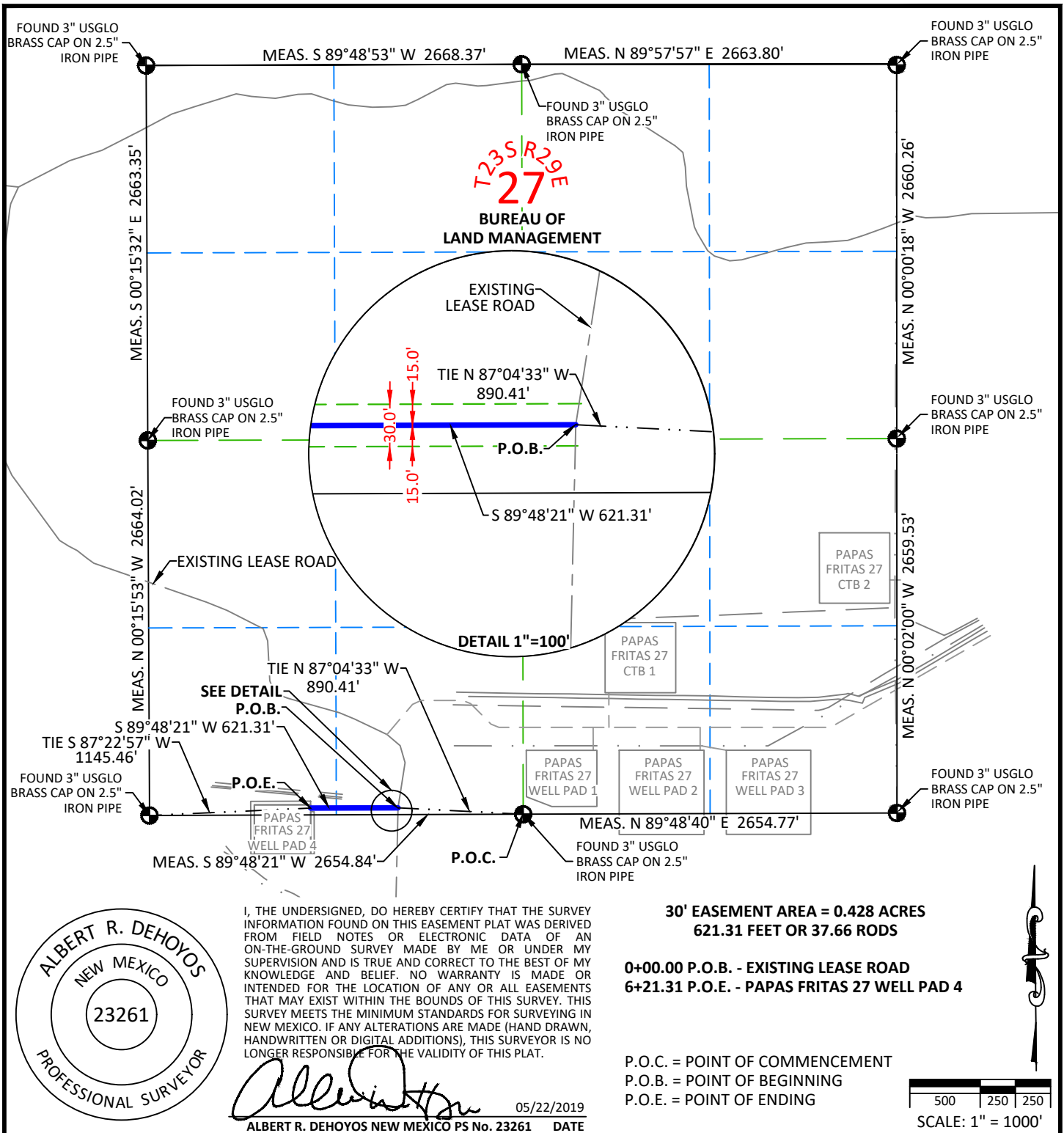
REVISIONS:

**DEVON ENERGY PRODUCTION, L.P.**  
**PAPAS FRITAS 27**

**PRIMARY ACCESS ROAD AS-BUILT**  
30' EASEMENT FOR EXISTING ACCESS ON THE PROPERTY OF  
**BUREAU OF LAND MANAGEMENT**  
NW1/4 SW1/4, SECTION 25,  
TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO



ID NUMBER: 7690053R



## NOTES:

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON DECEMBER 3RD, 2018.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GROUND DISTANCE IN US SURVEY FEET USING A COMBINED SCALE FACTOR OF 1.000220979



DRAWN BY: KGH	CHECKED BY: ARD
DATE: 05/07/2019	JOB NO: 18080
REVISIONS:	

DEVON ENERGY PRODUCTION, L.P.  
PAPAS FRITAS 27 WELL PAD 4  
ACCESS ROAD

PROPOSED 30' EASEMENT ON THE PROPERTY OF  
BUREAU OF LAND MANAGEMENT  
S1/2 SW1/4 SECTION 27,  
TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO



**LEGAL DESCRIPTION**

FOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

BUREAU OF LAND MANAGEMENT

**PROPOSED 30' ACCESS ROAD EASEMENT:**

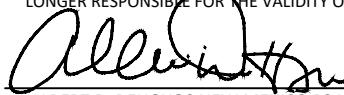
A strip of land located in the South Half (S1/2) of the Southwest Quarter (SW1/4) of Section 27, Township 23 South, Range 29 East, of the New Mexico Principal Meridian, Eddy county, State of New Mexico, being thirty feet (30') in width, lying fifteen feet (15') on each side of the following described centerline:

Commencing at the South Quarter Corner of said Section 27 (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe); thence, North 87°04'33" West a distance of 890.41 feet to the POINT OF BEGINNING.

thence, South 89°48'21" West a distance of 621.31 feet to a point within the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) of said Section 27, also being the POINT OF ENDING, from which the Southwest Corner of said Section 27 (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe) bears South 87°22'57" West a distance of 1145.46 feet.

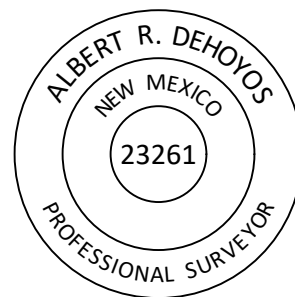
Said centerline being 621.31 feet or 37.66 rods in length and containing 0.428 Acres more or less.

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.



05/22/2019

ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 DATE

**NOTES:**

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON DECEMBER 3RD, 2018.

2. DISTANCES DEPICTED HEREON ARE REPORTED AS GROUND DISTANCE IN US SURVEY FEET USING A COMBINED SCALE FACTOR OF 1.000220979



1515 9<sup>TH</sup> STREET, STE A, ROCK SPRINGS, WY 82901  
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DRAWN BY: KGH

CHECKED BY: ARD

DATE: 05/07/2019

JOB NO: 18080

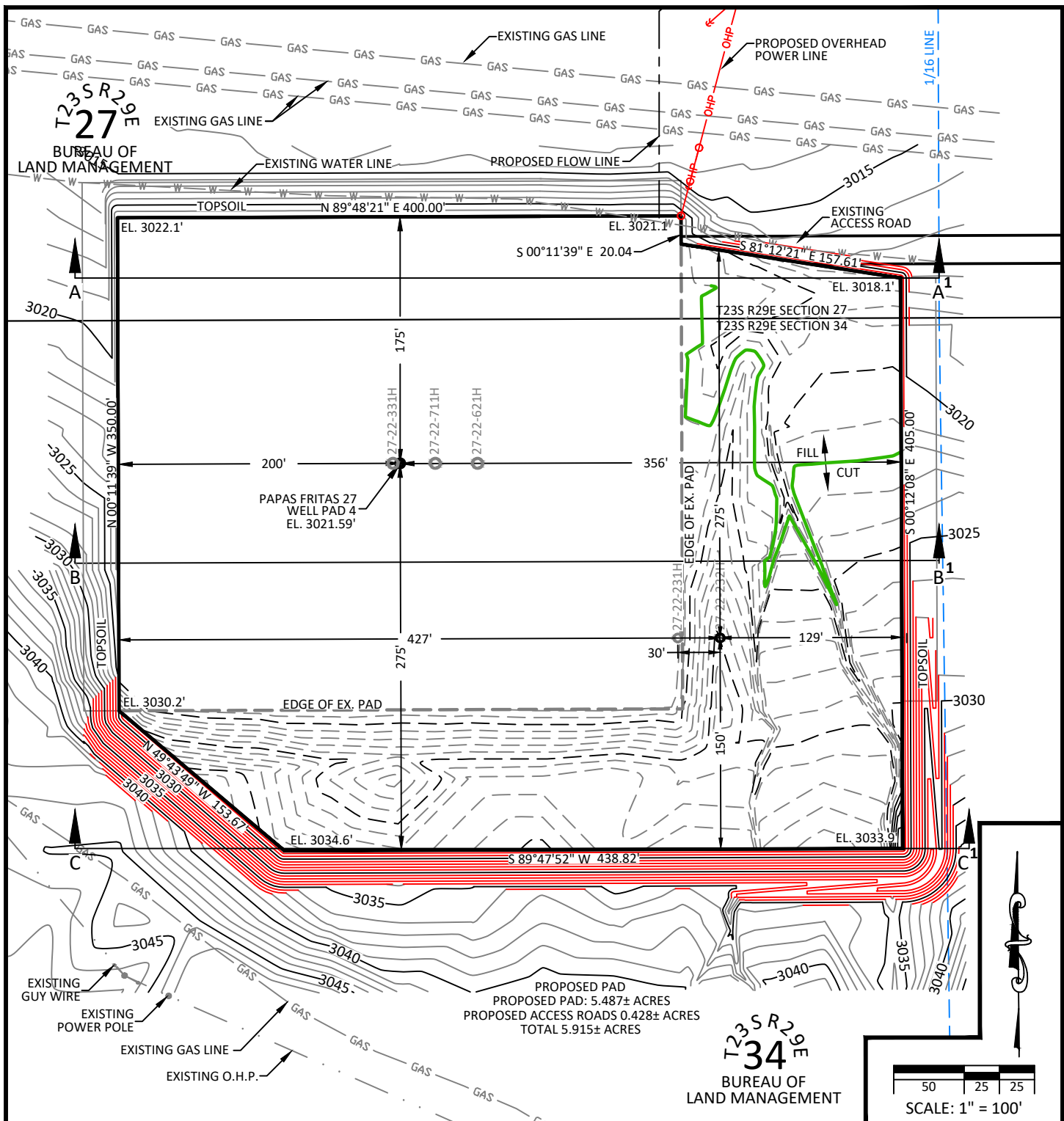
REVISIONS:

**DEVON ENERGY PRODUCTION, L.P.**  
**PAPAS FRITAS 27 WELL PAD 4**  
**ACCESS ROAD**

PROPOSED 30' EASEMENT ON THE PROPERTY OF  
**BUREAU OF LAND MANAGEMENT**  
S1/2 SW1/4, SECTION 27,  
TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO







#### EARTHWORK QUANTITIES FOR PAPAS FRITAS 27 WELL PAD 4 EXPANSION

CUT	FILL	NET
12,260 CU. YDS.	12,260 CU. YDS.	0 CU. YDS.

EARTHWORK QUANTITIES ARE ESTIMATED



1515 9<sup>TH</sup> STREET, STE A, ROCK SPRINGS, WY 82901  
 307.362.6065 | 866.938.3088 | www.whsmithpc.com

DRAWN BY: BLM CHECKED BY: JEB

DATE: 09/04/2020 JOB NO: 18080

REVISIONS: (8/15/22 JEB) MOVE SHL'S

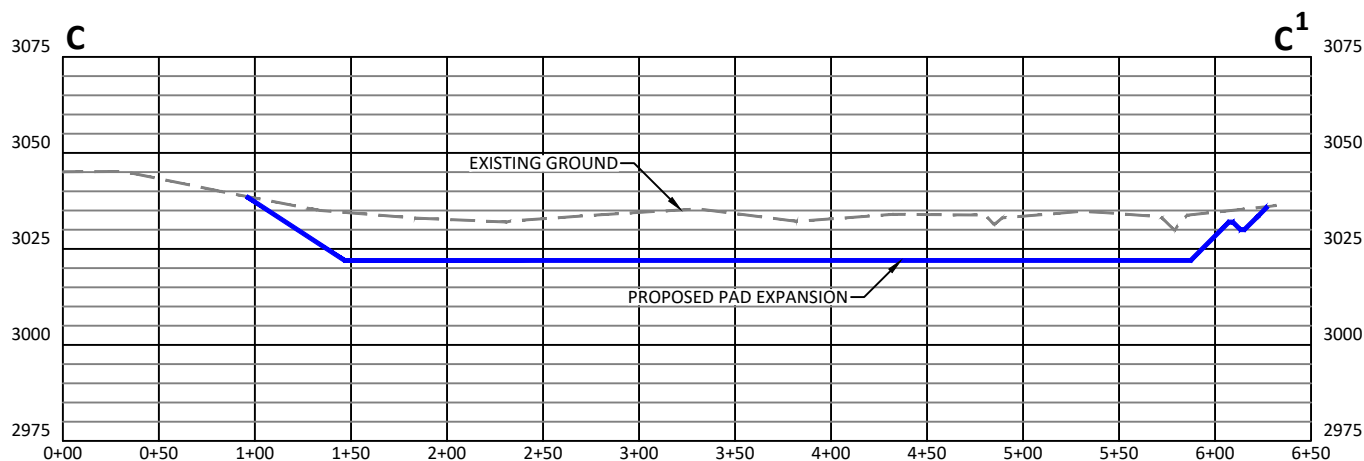
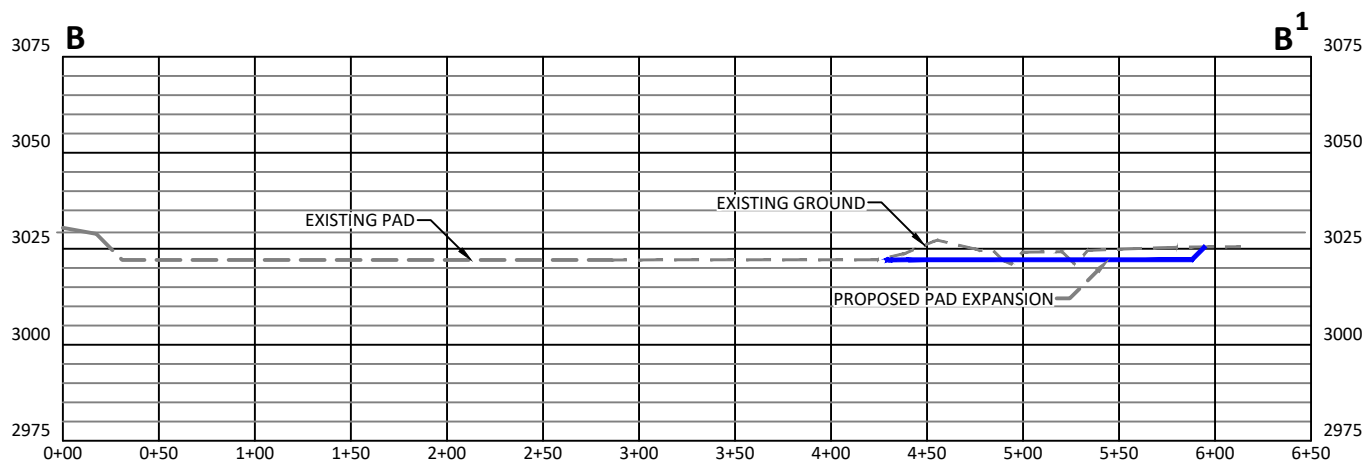
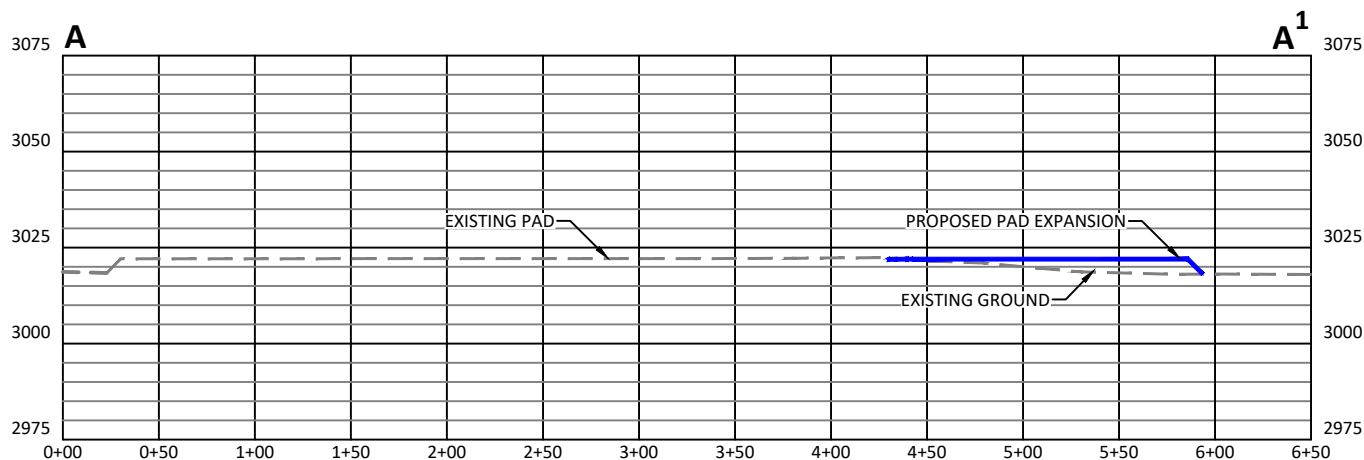
#### PLAN VIEW DEVON ENERGY PRODUCTION CO., L.P.

##### PAPAS FRITAS 27-22 FED COM 232H

LOCATED 227 FEET FROM THE NORTH LINE,  
 AND 1168 FEET FROM THE WEST LINE,  
 SECTION 34, TOWNSHIP 23 SOUTH  
 RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO



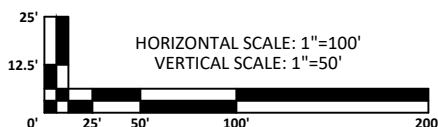
WA018178353



**EARTHWORK QUANTITIES FOR  
PAPAS FRITAS 27 WELL PAD 4 EXPANSION**

CUT	FILL	NET
12,260 CU. YDS.	12,260 CU. YDS.	0 CU. YDS.

EARTHWORK QUANTITIES ARE ESTIMATED



DRAWN BY: BLM      CHECKED BY: JEB  
DATE: 09/04/2020      JOB NO: 18080  
REVISIONS: (8/15/22 JEB) MOVE SHL's

**CROSS SECTIONS**  
**DEVON ENERGY PRODUCTION CO., L.P.**  
**PAPAS FRITAS 27-22 FED COM 232H**  
LOCATED 227 FEET FROM THE NORTH LINE,  
AND 1168 FEET FROM THE WEST LINE,  
SECTION 34, TOWNSHIP 23 SOUTH  
RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO



WA018178353

## Section 2 - Blowout Preventer Testing Procedure

### Variance Request

Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of the 10M BOPE to 5M for 10 minutes. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow OOGO2.III.A.2.i, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed OOGO2.III.A.2.i per the following: Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. Break test will be a 14 day interval and not a 30 day full BOPE test interval. If in the event break testing is not utilized, then a full BOPE test would be conducted.

1. Well Control Response:
  1. Primary barrier remains fluid
  2. In the event of an influx due to being underbalanced and after a realized gain or flow, the order of closing BOPE is as follows:
    - a) Annular first
    - b) If annular were to not hold, Upper pipe rams second (which were tested on the skid BOP test)
    - c) If the Upper Pipe Rams were to not hold, Lower Pipe Rams would be third

**Cactus**  
Wellhead

2-9-17  
E Bell

80.7 °F

15:49



10000 20000 30000 40000 50000 60000

50

Date 02-09-17

Tested By E.BELL

Transducer bay2

Transducer Serial 181504

Calibration Date 9/6/15

Job#	Part#	Serial#	Description	Test Pressure
1	TRJ0006341-0007	116966	TRJ6341-7-1 ADPT,DRLG,CW,MBU-3T,13-5/8 10M	15000
2				
3				
4				
5			TRANSDUCER CALIBRATION DUE 03/13/2017	
6				
7				
8				



Start



Stop



Zero



Config



Save



Print

EXIT

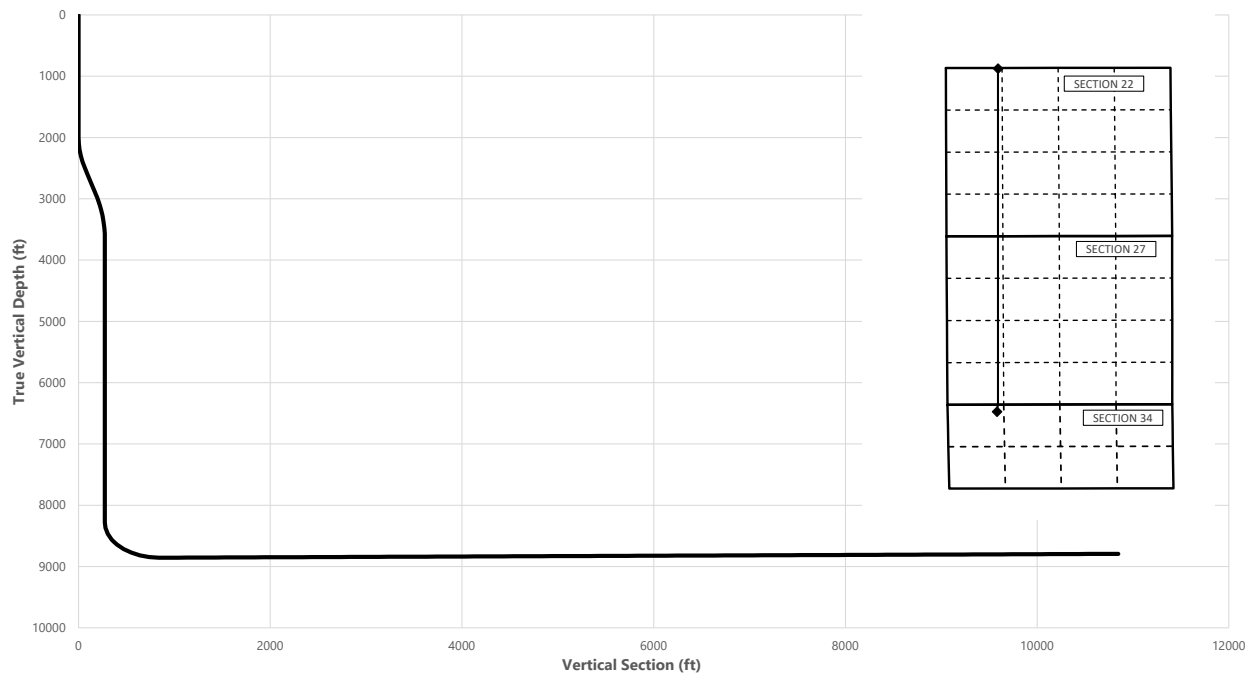
PAPAS FRITAS 27-22 FED COM 232H



**Well:** PAPAS FRITAS 27-22 FED COM 232H  
**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	4.50	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	15.00	4.50	2494.31	64.88	5.11	64.89	1.00	Hold Tangent
2936.08	15.00	4.50	2915.53	177.39	13.96	177.42	0.00	Drop to Vertical
3686.08	0.00	4.50	3656.99	274.71	21.62	274.75	2.00	Hold Vertical
8312.14	0.00	0.00	8283.05	274.71	21.62	274.75	0.00	KOP
9215.75	90.36	0.00	8856.00	851.28	21.62	851.32	10.00	Landing Point
19211.48	90.36	0.00	8793.00	10846.80	21.62	10846.82	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	0.00	0.00
Top of Salt	472.00	472.00
Base of Salt	2893.09	2874.00
Lamar	3096.94	3072.00
Bell Canyon	3122.46	3097.00
Cherry Canyon	3980.09	3951.00
Brushy Canyon	5544.09	5515.00
1st Bone Spring Lime	6823.09	6794.00
1st Bone Spring Sand	7809.09	7780.00
BONE SPRING 2ND / Point of Penetr	8639.63	8593.00
Exit	19131.48	8793.52

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

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.2679	-103.9775	227' FNL, 1168' FWL of Sec 34 in T23S, R29E
8312.14	8283.05	32.2686	-103.9774	48' FSL, 1230' FWL of Sec 27 in T23S, R29E
8639.63	8593.00	32.2689	-103.9772	100' FSL, 1230' FWL of Sec 27 in T23S, R29E
19131.48	8793.52	32.2976	-103.9772	100' FNL, 1230' FWL of Sec 22 in T23S, R29E
19211.48	8793.00	32.2977	-103.9773	20' FNL, 1230' FWL of Sec 22 in T23S, R29E



PAPAS FRITAS 27-22 FED COM 232H



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**Ellipsoid:** Clarke 1866  
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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	4.50	100.00	0.00	0.00	0.00	0.00	
197.00	0.00	4.50	197.00	0.00	0.00	0.00	0.00	Rustler
200.00	0.00	4.50	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	4.50	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	4.50	400.00	0.00	0.00	0.00	0.00	
472.00	0.00	4.50	472.00	0.00	0.00	0.00	0.00	Top of Salt
500.00	0.00	4.50	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	4.50	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	4.50	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	4.50	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	4.50	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	4.50	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	4.50	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	4.50	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	4.50	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	4.50	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	4.50	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	4.50	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	4.50	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	4.50	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	4.50	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	4.50	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	3.00	4.50	2099.95	2.61	0.21	2.61	3.00	
2200.00	6.00	4.50	2199.63	10.43	0.82	10.43	3.00	
2300.00	9.00	4.50	2298.77	23.44	1.84	23.44	3.00	
2400.00	12.00	4.50	2397.08	41.61	3.27	41.61	3.00	
2500.00	15.00	4.50	2494.31	64.88	5.11	64.89	1.00	Hold Tangent
2600.00	15.00	4.50	2590.90	90.68	7.14	90.69	0.00	
2700.00	15.00	4.50	2687.49	116.48	9.17	116.50	0.00	
2800.00	15.00	4.50	2784.09	142.28	11.20	142.30	0.00	
2893.09	15.00	4.50	2874.00	166.30	13.09	166.33	0.00	Base of Salt
2900.00	15.00	4.50	2880.68	168.08	13.23	168.11	0.00	
2936.08	15.00	4.50	2915.53	177.39	13.96	177.42	0.00	Drop to Vertical
3000.00	13.72	4.50	2977.45	193.20	15.21	193.23	2.00	
3096.94	11.78	4.50	3072.00	214.53	16.88	214.56	2.00	Lamar
3100.00	11.72	4.50	3074.99	215.15	16.93	215.18	2.00	
3122.46	11.27	4.50	3097.00	219.61	17.28	219.65	2.00	Bell Canyon
3200.00	9.72	4.50	3173.24	233.70	18.39	233.73	2.00	
3300.00	7.72	4.50	3272.08	248.81	19.58	248.85	2.00	
3400.00	5.72	4.50	3371.39	260.48	20.50	260.52	2.00	
3500.00	3.72	4.50	3471.04	268.69	21.15	268.73	2.00	
3600.00	1.72	4.50	3570.92	273.42	21.52	273.46	2.00	
3686.08	0.00	4.50	3656.99	274.71	21.62	274.75	2.00	Hold Vertical
3700.00	0.00	0.00	3670.91	274.71	21.62	274.75	0.00	
3800.00	0.00	0.00	3770.91	274.71	21.62	274.75	0.00	
3900.00	0.00	0.00	3870.91	274.71	21.62	274.75	0.00	
3980.09	0.00	0.00	3951.00	274.71	21.62	274.75	0.00	Cherry Canyon
4000.00	0.00	0.00	3970.91	274.71	21.62	274.75	0.00	
4100.00	0.00	0.00	4070.91	274.71	21.62	274.75	0.00	
4200.00	0.00	0.00	4170.91	274.71	21.62	274.75	0.00	
4300.00	0.00	0.00	4270.91	274.71	21.62	274.75	0.00	
4400.00	0.00	0.00	4370.91	274.71	21.62	274.75	0.00	
4500.00	0.00	0.00	4470.91	274.71	21.62	274.75	0.00	
4600.00	0.00	0.00	4570.91	274.71	21.62	274.75	0.00	
4700.00	0.00	0.00	4670.91	274.71	21.62	274.75	0.00	
4800.00	0.00	0.00	4770.91	274.71	21.62	274.75	0.00	
4900.00	0.00	0.00	4870.91	274.71	21.62	274.75	0.00	
5000.00	0.00	0.00	4970.91	274.71	21.62	274.75	0.00	
5100.00	0.00	0.00	5070.91	274.71	21.62	274.75	0.00	
5200.00	0.00	0.00	5170.91	274.71	21.62	274.75	0.00	
5300.00	0.00	0.00	5270.91	274.71	21.62	274.75	0.00	
5400.00	0.00	0.00	5370.91	274.71	21.62	274.75	0.00	
5500.00	0.00	0.00	5470.91	274.71	21.62	274.75	0.00	
5544.09	0.00	0.00	5515.00	274.71	21.62	274.75	0.00	Brushy Canyon
5600.00	0.00	0.00	5570.91	274.71	21.62	274.75	0.00	
5700.00	0.00	0.00	5670.91	274.71	21.62	274.75	0.00	
5800.00	0.00	0.00	5770.91	274.71	21.62	274.75	0.00	
5900.00	0.00	0.00	5870.91	274.71	21.62	274.75	0.00	
6000.00	0.00	0.00	5970.91	274.71	21.62	274.75	0.00	



PAPAS FRITAS 27-22 FED COM 232H



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**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
6100.00	0.00	0.00	6070.91	274.71	21.62	274.75	0.00	
6200.00	0.00	0.00	6170.91	274.71	21.62	274.75	0.00	
6300.00	0.00	0.00	6270.91	274.71	21.62	274.75	0.00	
6400.00	0.00	0.00	6370.91	274.71	21.62	274.75	0.00	
6500.00	0.00	0.00	6470.91	274.71	21.62	274.75	0.00	
6600.00	0.00	0.00	6570.91	274.71	21.62	274.75	0.00	
6700.00	0.00	0.00	6670.91	274.71	21.62	274.75	0.00	
6800.00	0.00	0.00	6770.91	274.71	21.62	274.75	0.00	
6823.09	0.00	0.00	6794.00	274.71	21.62	274.75	0.00	1st Bone Spring Lime
6900.00	0.00	0.00	6870.91	274.71	21.62	274.75	0.00	
7000.00	0.00	0.00	6970.91	274.71	21.62	274.75	0.00	
7100.00	0.00	0.00	7070.91	274.71	21.62	274.75	0.00	
7200.00	0.00	0.00	7170.91	274.71	21.62	274.75	0.00	
7300.00	0.00	0.00	7270.91	274.71	21.62	274.75	0.00	
7400.00	0.00	0.00	7370.91	274.71	21.62	274.75	0.00	
7500.00	0.00	0.00	7470.91	274.71	21.62	274.75	0.00	
7600.00	0.00	0.00	7570.91	274.71	21.62	274.75	0.00	
7700.00	0.00	0.00	7670.91	274.71	21.62	274.75	0.00	
7800.00	0.00	0.00	7770.91	274.71	21.62	274.75	0.00	
7809.09	0.00	0.00	7780.00	274.71	21.62	274.75	0.00	1st Bone Spring Sand
7900.00	0.00	0.00	7870.91	274.71	21.62	274.75	0.00	
8000.00	0.00	0.00	7970.91	274.71	21.62	274.75	0.00	
8100.00	0.00	0.00	8070.91	274.71	21.62	274.75	0.00	
8200.00	0.00	0.00	8170.91	274.71	21.62	274.75	0.00	
8300.00	0.00	0.00	8270.91	274.71	21.62	274.75	0.00	
8312.14	0.00	0.00	8283.05	274.71	21.62	274.75	0.00	KOP
8400.00	8.79	0.00	8370.57	281.43	21.62	281.47	10.00	
8500.00	18.79	0.00	8467.56	305.23	21.62	305.27	10.00	
8600.00	28.79	0.00	8558.95	345.51	21.62	345.55	10.00	
8639.63	32.75	0.00	8593.00	365.78	21.62	365.82	10.00	BONE SPRING 2ND / Point of Penetration
8700.00	38.79	0.00	8641.96	401.05	21.62	401.09	10.00	
8800.00	48.79	0.00	8714.06	470.16	21.62	470.20	10.00	
8900.00	58.79	0.00	8773.07	550.74	21.62	550.78	10.00	
9000.00	68.79	0.00	8817.18	640.34	21.62	640.38	10.00	
9100.00	78.79	0.00	8845.07	736.24	21.62	736.28	10.00	
9200.00	88.79	0.00	8855.88	835.52	21.62	835.57	10.00	
9215.75	90.36	0.00	8856.00	851.28	21.62	851.32	10.00	Landing Point
9300.00	90.36	0.00	8855.47	935.52	21.62	935.56	0.00	
9400.00	90.36	0.00	8854.84	1035.52	21.62	1035.56	0.00	
9500.00	90.36	0.00	8854.21	1135.52	21.62	1135.56	0.00	
9600.00	90.36	0.00	8853.58	1235.52	21.62	1235.56	0.00	
9700.00	90.36	0.00	8852.95	1335.51	21.62	1335.55	0.00	
9800.00	90.36	0.00	8852.32	1435.51	21.62	1435.55	0.00	
9900.00	90.36	0.00	8851.69	1535.51	21.62	1535.55	0.00	
10000.00	90.36	0.00	8851.06	1635.51	21.62	1635.55	0.00	
10100.00	90.36	0.00	8850.43	1735.51	21.62	1735.55	0.00	
10200.00	90.36	0.00	8849.80	1835.50	21.62	1835.54	0.00	
10300.00	90.36	0.00	8849.17	1935.50	21.62	1935.54	0.00	
10400.00	90.36	0.00	8848.54	2035.50	21.62	2035.54	0.00	
10500.00	90.36	0.00	8847.91	2135.50	21.62	2135.54	0.00	
10600.00	90.36	0.00	8847.28	2235.50	21.62	2235.53	0.00	
10700.00	90.36	0.00	8846.65	2335.49	21.62	2335.53	0.00	
10800.00	90.36	0.00	8846.02	2435.49	21.62	2435.53	0.00	
10900.00	90.36	0.00	8845.39	2535.49	21.62	2535.53	0.00	
11000.00	90.36	0.00	8844.76	2635.49	21.62	2635.53	0.00	
11100.00	90.36	0.00	8844.13	2735.49	21.62	2735.52	0.00	
11200.00	90.36	0.00	8843.50	2835.48	21.62	2835.52	0.00	
11300.00	90.36	0.00	8842.87	2935.48	21.62	2935.52	0.00	
11400.00	90.36	0.00	8842.24	3035.48	21.62	3035.52	0.00	
11500.00	90.36	0.00	8841.61	3135.48	21.62	3135.52	0.00	
11600.00	90.36	0.00	8840.98	3235.48	21.62	3235.51	0.00	
11700.00	90.36	0.00	8840.35	3335.47	21.62	3335.51	0.00	
11800.00	90.36	0.00	8839.72	3435.47	21.62	3435.51	0.00	
11900.00	90.36	0.00	8839.09	3535.47	21.62	3535.51	0.00	
12000.00	90.36	0.00	8838.46	3635.47	21.62	3635.50	0.00	
12100.00	90.36	0.00	8837.83	3735.47	21.62	3735.50	0.00	
12200.00	90.36	0.00	8837.20	3835.46	21.62	3835.50	0.00	
12300.00	90.36	0.00	8836.57	3935.46	21.62	3935.50	0.00	
12400.00	90.36	0.00	8835.93	4035.46	21.62	4035.50	0.00	
12500.00	90.36	0.00	8835.30	4135.46	21.62	4135.49	0.00	

PAPAS FRITAS 27-22 FED COM 232H



**Well:** PAPAS FRITAS 27-22 FED COM 232H  
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**Ellipsoid:** Clarke 1866  
**Zone:** 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12600.00	90.36	0.00	8834.67	4235.46	21.62	4235.49	0.00	
12700.00	90.36	0.00	8834.04	4335.45	21.62	4335.49	0.00	
12800.00	90.36	0.00	8833.41	4435.45	21.62	4435.49	0.00	
12900.00	90.36	0.00	8832.78	4535.45	21.62	4535.48	0.00	
13000.00	90.36	0.00	8832.15	4635.45	21.62	4635.48	0.00	
13100.00	90.36	0.00	8831.52	4735.45	21.62	4735.48	0.00	
13200.00	90.36	0.00	8830.89	4835.44	21.62	4835.48	0.00	
13300.00	90.36	0.00	8830.26	4935.44	21.62	4935.48	0.00	
13400.00	90.36	0.00	8829.63	5035.44	21.62	5035.47	0.00	
13500.00	90.36	0.00	8829.00	5135.44	21.62	5135.47	0.00	
13600.00	90.36	0.00	8828.37	5235.44	21.62	5235.47	0.00	
13700.00	90.36	0.00	8827.74	5335.43	21.62	5335.47	0.00	
13800.00	90.36	0.00	8827.11	5435.43	21.62	5435.46	0.00	
13900.00	90.36	0.00	8826.48	5535.43	21.62	5535.46	0.00	
14000.00	90.36	0.00	8825.85	5635.43	21.62	5635.46	0.00	
14100.00	90.36	0.00	8825.22	5735.43	21.62	5735.46	0.00	
14200.00	90.36	0.00	8824.59	5835.42	21.62	5835.46	0.00	
14300.00	90.36	0.00	8823.96	5935.42	21.62	5935.45	0.00	
14400.00	90.36	0.00	8823.33	6035.42	21.62	6035.45	0.00	
14500.00	90.36	0.00	8822.70	6135.42	21.62	6135.45	0.00	
14600.00	90.36	0.00	8822.07	6235.42	21.62	6235.45	0.00	
14700.00	90.36	0.00	8821.44	6335.41	21.62	6335.45	0.00	
14800.00	90.36	0.00	8820.81	6435.41	21.62	6435.44	0.00	
14900.00	90.36	0.00	8820.18	6535.41	21.62	6535.44	0.00	
15000.00	90.36	0.00	8819.55	6635.41	21.62	6635.44	0.00	
15100.00	90.36	0.00	8818.92	6735.41	21.62	6735.44	0.00	
15200.00	90.36	0.00	8818.29	6835.40	21.62	6835.43	0.00	
15300.00	90.36	0.00	8817.66	6935.40	21.62	6935.43	0.00	
15400.00	90.36	0.00	8817.03	7035.40	21.62	7035.43	0.00	
15500.00	90.36	0.00	8816.40	7135.40	21.62	7135.43	0.00	
15600.00	90.36	0.00	8815.77	7235.40	21.62	7235.43	0.00	
15700.00	90.36	0.00	8815.14	7335.39	21.62	7335.42	0.00	
15800.00	90.36	0.00	8814.51	7435.39	21.62	7435.42	0.00	
15900.00	90.36	0.00	8813.88	7535.39	21.62	7535.42	0.00	
16000.00	90.36	0.00	8813.25	7635.39	21.62	7635.42	0.00	
16100.00	90.36	0.00	8812.62	7735.39	21.62	7735.41	0.00	
16200.00	90.36	0.00	8811.99	7835.38	21.62	7835.41	0.00	
16300.00	90.36	0.00	8811.36	7935.38	21.62	7935.41	0.00	
16400.00	90.36	0.00	8810.73	8035.38	21.62	8035.41	0.00	
16500.00	90.36	0.00	8810.10	8135.38	21.62	8135.41	0.00	
16600.00	90.36	0.00	8809.47	8235.38	21.62	8235.40	0.00	
16700.00	90.36	0.00	8808.84	8335.37	21.62	8335.40	0.00	
16800.00	90.36	0.00	8808.21	8435.37	21.62	8435.40	0.00	
16900.00	90.36	0.00	8807.58	8535.37	21.62	8535.40	0.00	
17000.00	90.36	0.00	8806.95	8635.37	21.62	8635.39	0.00	
17100.00	90.36	0.00	8806.32	8735.37	21.62	8735.39	0.00	
17200.00	90.36	0.00	8805.69	8835.37	21.62	8835.39	0.00	
17300.00	90.36	0.00	8805.06	8935.36	21.62	8935.39	0.00	
17400.00	90.36	0.00	8804.43	9035.36	21.62	9035.39	0.00	
17500.00	90.36	0.00	8803.80	9135.36	21.62	9135.38	0.00	
17600.00	90.36	0.00	8803.17	9235.36	21.62	9235.38	0.00	
17700.00	90.36	0.00	8802.54	9335.36	21.62	9335.38	0.00	
17800.00	90.36	0.00	8801.91	9435.35	21.62	9435.38	0.00	
17900.00	90.36	0.00	8801.28	9535.35	21.62	9535.38	0.00	
18000.00	90.36	0.00	8800.65	9635.35	21.62	9635.37	0.00	
18100.00	90.36	0.00	8800.02	9735.35	21.62	9735.37	0.00	
18200.00	90.36	0.00	8799.39	9835.35	21.62	9835.37	0.00	
18300.00	90.36	0.00	8798.76	9935.34	21.62	9935.37	0.00	
18400.00	90.36	0.00	8798.13	10035.34	21.62	10035.36	0.00	
18500.00	90.36	0.00	8797.50	10135.34	21.62	10135.36	0.00	
18600.00	90.36	0.00	8796.87	10235.34	21.62	10235.36	0.00	
18700.00	90.36	0.00	8796.24	10335.34	21.62	10335.36	0.00	
18800.00	90.36	0.00	8795.61	10435.33	21.62	10435.36	0.00	
18900.00	90.36	0.00	8794.98	10535.33	21.62	10535.35	0.00	
19000.00	90.36	0.00	8794.35	10635.33	21.62	10635.35	0.00	
19100.00	90.36	0.00	8793.72	10735.33	21.62	10735.35	0.00	
19131.48	90.36	0.00	8793.52	10766.80	21.62	10766.82	0.00	Exit
19200.00	90.36	0.00	8793.09	10835.33	21.62	10835.35	0.00	
19211.48	90.36	0.00	8793.00	10846.80	21.62	10846.82	0.00	BHL

PAPAS FRITAS 27-22 FED COM 232H



**Well:** PAPAS FRITAS 27-22 FED COM 232H  
**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)	

## PAPAS FRITAS 27-22 FED COM 232H

**1. Geologic Formations**

TVD of target	8794	Pilot hole depth	N/A
MD at TD:	19211	Deepest expected fresh water	

**Basin**

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	197		
Top of Salt	472		
Base of Salt	2874		
Lamar	3072		
Bell Canyon	3097		
Cherry Canyon	3951		
Brushy Canyon	5515		
1st Bone Spring Lime	6794		
1st Bone Spring Sand	7780		
BONE SPRING 2ND	8593		

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

## PAPAS FRITAS 27-22 FED COM 232H

**2. Casing Program**

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	BTC	0	222	0	222
12 1/4	9 5/8	40	J-55	BTC	0	2974	0	2974
8 3/4	5 1/2	17	P110	BTC	0	19211	0	8794

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

## PAPAS FRITAS 27-22 FED COM 232H

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

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft <sup>3</sup> /sack)	Slurry Description
Surface	199	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	306	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As <input type="checkbox"/> Needed	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
	306	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Production	714	Surf	9.0	3.3	Lead: Class H / C + additives
	2103	KOP	13.2	1.4	Tail: Class H / C + additives

If a DV tool is ran the depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. Slurry weights will be adjusted based on estimated fracture gradient of the formation. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. If cement is not returned to surface during the primary cement job on the surface casing string, a planned top job will be conducted immediately after completion of the primary job.

Casing String	% Excess
Surface	50%
Intermediate	30%
Production	10%



PAPAS FRITAS 27-22 FED COM 232H

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

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-58"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular	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*		

## PAPAS FRITAS 27-22 FED COM 232H

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

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	Brine	10-10.5
Production	WBM	8.5-9

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	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

**7. Drilling Conditions**

Condition	Specify what type and where?
BH pressure at deepest TVD	4115
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.

## PAPAS FRITAS 27-22 FED COM 232H

**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 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 pad.
- 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. At 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

## **PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL**

**All Previous COAs Still Apply. Variance request procedure is approved as written, please see below general conditions for variance.**

### **A. PRESSURE CONTROL**

#### **BOPE Break Testing Variance**

- BOPE Break Testing is ONLY permitted for 5M BOPE or less.
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted **(575-361-2822 Eddy County)** or **(575-393-3612 Lea County)** 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 14-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.

## GENERAL REQUIREMENTS

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

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

☒ Eddy County

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

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.



A. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including

lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

**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 153031

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 153031
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	10/26/2022