U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

04/01/2025

Well Name: GATO GRANDE 9-4 FED STATE COM

Well Location: T23S / R32E / SEC 9 / SESE / 32.3129852 / -103.674969

County or Parish/State: LEA / NM

Well Number: 528H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM98192

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002551311

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2839989

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/07/2025

Time Sundry Submitted: 07:00

Date proposed operation will begin: 03/04/2025

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL/BHL, name change on, depth change on the subject well. Please see attached revised C102, Drill plan, directional plan. Permitted SHL: SESE, 400 FSL, 1205 FEL, 9-23S-32E Proposed SHL: SESE, 206 FSL, 1212 FEL, 9-23S-32E Permitted BHL: Lot 1, 20 FNL, 330 FEL, 4-23S-32E Proposed BHL: Lot 2, 20 FNL, 1475 FEL, 4-23S-32E Permitted Well name: GATO GRANDE 9-4 FED STATE COM 528H Proposed Well name: GATO GRANDE 9-4 FED COM 833H Permitted TVD/MD: 9489 / 19834 - [97933] WC-025 G-07 S233204D;BONE SPRING Proposed TVD/MD: 12744 / 23193 - [98393] WC-025 S233206C;LWR WOLFCAMP (GAS)

NOI Attachments

Procedure Description

5.5_20lb_P110EC_DWC_C_IS_PLUS_20250307135910.pdf

7.625_29.7lb_P110EC_SPRINT_FJ_20250307134607.pdf

10.75_45.5lb_J55_20250307134531.pdf

New_Site_MAP_GATO_GRANDE_9_WP_3_R2_20250307130705.pdf

WA018131514_GATO_GRANDE_9_4_FED_COM_833H_R0____Signed_20250307075648.pdf

GATO_GRANDE_9_4_FED_COM_833H_Directional_Plan_03_04_25_20250306173501.pdf

GATO_GRANDE_9_4_FED_COM_833H_3_4_20250306173501.pdf

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Unit or CA Number:

US Well Number: 3002551311

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional

9_23_32_P_Sundry_ID_2839989_20250321131538.pdf

Gato_Grande_9_4_Fed_Com_833H_Sundry_ID_2839558_20250321131538.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

Operator Electronic Signature: LAUREN WATSON

Signed on: MAR 07, 2025 07:00 PM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Compliance Professional

Street Address: 333 W. SHERIDAN AVE.

City: OKLAHOMA CITY **State:** OK

Phone: (405) 552-3379

Email address: LAUREN.WATSON@DVN.COM

Field

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: 03/26/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Permitted TVD/MD: 9489 / 19834 - [97933] WC-025 G-07 S233204D;BONE SPRING

Proposed TVD/MD: 12744 / 23193 - [98393] WC-025 S233206C;LWR WOLFCAMP (GAS)

Location of Well

0. SHL: SESE / 400 FSL / 1205 FEL / TWSP: 23S / RANGE: 32E / SECTION: 9 / LAT: 32.3129852 / LONG: -103.674969 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 330 FEL / TWSP: 23S / RANGE: 32E / SECTION: 9 / LAT: 32.31217 / LONG: -103.6721365 (TVD: 8881 feet, MD: 8961 feet)

PPP: SENE / 2454 FSL / 329 FEL / TWSP: 23S / RANGE: 32E / SECTION: 4 / LAT: 32.334036 / LONG: -103.6722295 (TVD: 9499 feet, MD: 17400 feet)

PPP: SESE / 108 FSL / 327 FEL / TWSP: 23S / RANGE: 32E / SECTION: 4 / LAT: 32.3266145 / LONG: -103.6722224 (TVD: 9510 feet, MD: 14700 feet)

BHL: LOT 1 / 20 FNL / 330 FEL / TWSP: 23S / RANGE: 32E / SECTION: 4 / LAT: 32.3408197 / LONG: -103.6721533 (TVD: 9489 feet, MD: 19834 feet)

Devon Energy Production Company LP

10 3/4	surface csg in a	14 3/4	inch hole.	Design Factors			Surface				
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	45.50	j 55	btc	12.50	3.55	0.53	1,258	6	0.89	6.71	57,239
"B"			btc				0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	1,500	Tail Cmt	does not	circ to sfc.	Totals:	1,258				57,239

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
14 3/4	0.5563	710	1022	700	46	9.00	4000	5M	1.50

Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.

Site plat (pipe racks S or F) as per O.O.1.III.D.4.c. not found.

8 5/8	casing inside the	10 3/4		Design Factors			Int 1				
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	32.00	p 110	vam sprint fj	1.89	0.6	1.03	12,292	1	1.72	1.00	393,344
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:					Totals:	12,292				393,344
	The cement volume(s) are intended to achieve a top of			0	ft from surface or a		1258				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
9 7/8	0.1261	958	1994	1561	28	10.50	4148	5M	0.61
D V Tool(s):			6915				sum of sx	Σ CuFt	Σ%excess
t by stage % :		194	25				1721	3093	98

Class 'C' tail cmt yld > 1.35

Tail cmt

5 1/2	casing inside the	8 5/8		Design Factors			Prod 1				
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	p 110	dwc/c is+	2.86	1.74	2.07	23,194	2	3.46	2.91	463,880
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	2,804				Totals:	23,194				463,880
	The cement volume(s) are intended to achieve a top of			12092	ft from surface or a		200				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
7 7/8	0.1733	1547	2442	1924	27	10.50			0.79

Class 'C' tail cmt yld > 1.35

#N/A

0		5 1/2		Design Factors			<Choose Casing>				
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0				0
"B"			0.00				0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:					Totals:	0				0
	Cmt vol calc below includes this csg, TOC intended			#N/A	ft from surface or a		#N/A				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
0		#N/A	#N/A	0	#N/A				

#N/A Capitan Reef est top XXXX.

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Devon Energy Production Company LP**
LOCATION:	Section 9, T.23 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	**Gato Grande 9-4 Fed Com 833H**
ATS/API ID:	**3002551311**
APD ID:	**10400064719**
Sundry ID:	**2839558**

COA

H2S	Yes		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef: None	☐ WIPP
Other	Pilot Hole: None	☐ Open Annulus	
Cementing	Contingency Squeeze: None	Echo-Meter: Int 1	Primary Cement Squeeze: None
Special Requirements	☐ Water Disposal/Injection	☑ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention: None	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **1250 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **14 3/4** inch in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

2. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is:

    Option 1 (Single Stage):

    - Cement to surface. If cement does not circulate see B.1.a, c-d above.

    Option 2:

    Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. First stage: Operator will cement with intent to reach the top of the **Brushy Canyon at 6915'.**

b. Second stage:

- Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. **(Squeeze 763 sxs Class C)**

Operator has proposed to pump down **10-3/4**" X **8-5/8**" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the **8-5/8**" casing to surface after the second stage BH to verify TOC.
Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad. Operator may conduct a negative and positive pressure test during completion to remediate sustained casing pressure.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Annular which shall be tested to 5000 (5M) psi.**

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **8-5/8** inch intermediate

casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **10-3/4** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

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. 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.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

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)

☑ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

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 2nd 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 **43 CFR part 3170 Subpart 3172** 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.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

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 43 CFR 3172.6(b)(9) 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 cement), 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 cement plug. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** 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 8 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 **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Long Vo (LVO) 3/21/2025

DWC/C-IS PLUS

Connection Data Sheet

OD (in.)	WEIGHT (lbs./ft.)	WALL (in.)	GRADE	DRIFT (in.)	RBW%	CONNECTION
5.500	Nominal: 20.00 Plain End: 19.83	0.361	VST P110 EC	4.653	87.5	DWC/C-IS PLUS

PIPE PROPERTIES

Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Area	5.828	sq.in.
Grade Type	API 5CT; Vallourec Sourced Material Only	
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Tensile Strength	135	ksi
Yield Strength	729	klb
Ultimate Strength	787	klb
Min. Internal Yield	14,360	psi
High Collapse	12,090	psi

CONNECTION PROPERTIES

Connection Type	Semi-Premium T&C	
Connection OD (nom)	6.300	in.
Connection ID (nom)	4.778	in.
Make-Up Loss	4.125	in.
Coupling Length	9.250	in.
Critical Cross Section	5.828	sq.in.
Tension Efficiency	100.0%	of pipe
Compression Efficiency	100.0%	of pipe
Internal Pressure Efficiency	100.0%	of pipe
External Pressure Efficiency	100.0%	of pipe

CONNECTION PERFORMANCES

Yield Strength	729	klb
Parting Load	787	klb
Compression Rating	729	klb
Min. Internal Yield	14,360	psi
High Collapse	12,090	psi
Maximum Uniaxial Bend Rating	104.2	°/100 ft
Ref String Length w 1.4 Design Factor	26,040	ft

FIELD TORQUE VALUES

Min. Make-up Torque	16,600	ft.lbs
Opti. Make-up Torque	17,850	ft.lbs
Max. Make-up Torque	19,100	ft.lbs
Min. Shoulder Torque	1,660	ft.lbs
Max. Shoulder Torque	13,280	ft.lbs
Max. Delta Turn	0.200	Turns
†Max Operational Torque	24,300	ft.lbs
†Maximum Torsional Value (MTV)	26,730	ft.lbs

†Maximum Operational Torque and Maximum Torsional Value Only Valid with Vallourec P110EC Material

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

05/23/2023 4:11 PM

VAM USA

VAM USA
2107 CityWest Boulevard Suite 1300
Houston, TX 77042
Phone: 713-479-3200
Fax: 713-479-3234
VAM USA Sales E-mail: VAMUSAsales@vam-usa.com
Tech Support E-mail: tech.support@vam-usa.com

DWC Connection Data Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.
12. DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

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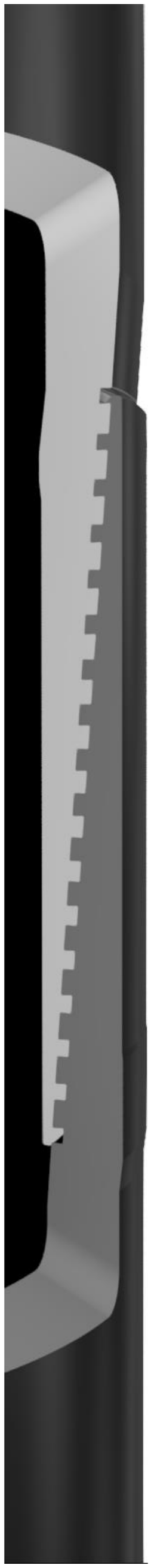
Issued on: 09 Dec. 2020 by Logan Van Gorp



VAM® SPRINT-FJ

Connection Data Sheet

OD	Weight	Wall Th.	Grade	API Drift:	Connection
7 5/8 in.	Nominal: 29.70 lb/ft Plain End: 29.06 ft/lb	0.375 in.	P110EC	6.750 in.	VAM® SPRINT-FJ

PIPE PROPERTIES		
Nominal OD	7.625	in.
Nominal ID	6.875	in.
Nominal Cross Section Area	8.541	sqin.
Grade Type	Enhanced Collapse	
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Ultimate Tensile Strength	135	ksi

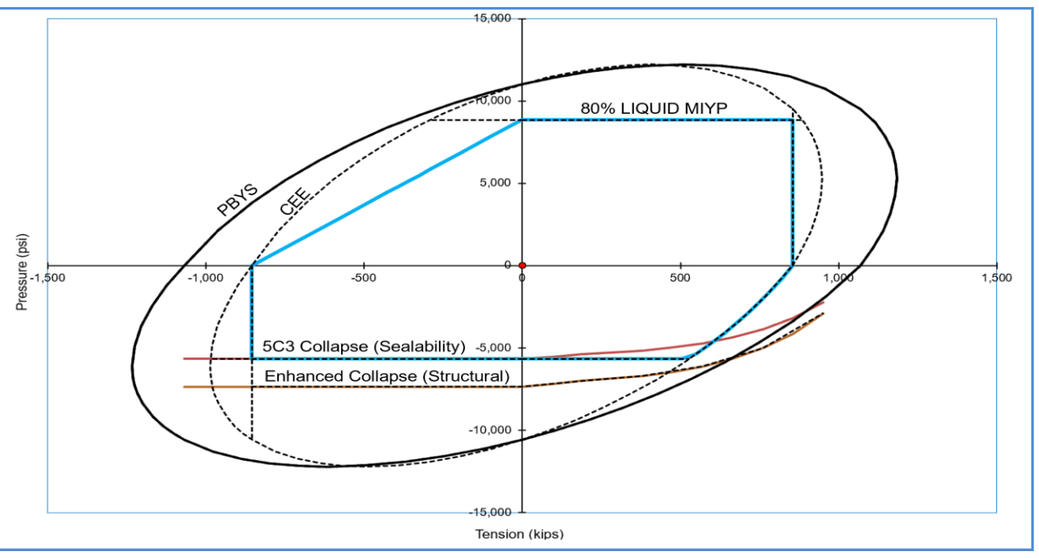
CONNECTION PROPERTIES		
Connection Type	Semi-Premium Integral Flush	
Connection OD (nom):	7.654	in.
Connection ID (nom):	6.827	in.
Make-Up Loss	4.055	in.
Critical Cross Section	6.979	sqin.
Tension Efficiency	80.0	% of pipe
Compression Efficiency	80.0	% of pipe
Internal Pressure Efficiency	80.0	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCES		
Tensile Yield Strength	854	klb
Compression Resistance	854	klb
Max. Internal Pressure	8,610	psi
Structural Collapse Resistance	7,360	psi
Max. Structural Bending	57	°/100ft
Max. Bending with Sealability	10	°/100ft

* 87.5% RBW

TORQUE VALUES		
Min. Make-up torque	15,000	ft.lb
Opt. Make-up torque	16,500	ft.lb
Max. Make-up torque	18,000	ft.lb
Max. Torque with Sealability (MTS)	32,000	ft.lb

VAM® SPRINT-FJ is a semi-premium flush connection designed for shale applications, where maximum clearance and high tension capacity are required for intermediate casing strings.



Do you need help on this product? - Remember no one knows VAM® like VAM®

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

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angola@vamfieldservice.com

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singapore@vamfieldservice.com
australia@vamfieldservice.com

Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance

VAM USA

U. S. Steel Tubular Products

10.750" 45.50lb/ft (0.400" Wall) J55

3/14/2023 3:12:22 PM

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC		--
Minimum Yield Strength	55,000	--	--	--	psi	--
Maximum Yield Strength	80,000	--	--	--	psi	--
Minimum Tensile Strength	75,000	--	--	--	psi	--
DIMENSIONS	**Pipe**	**BTC**	**LTC**	**STC**		**--**
Outside Diameter	10.750	11.750	0.000	11.750	in.	--
Wall Thickness	0.400	--	--	--	in.	--
Inside Diameter	9.950	9.950	--	9.950	in.	--
Standard Drift	9.794	9.794	9.794	9.794	in.	--
Alternate Drift	9.875	9.875	9.875	9.875	in.	--
Nominal Linear Weight, T&C	45.50	--	--	--	lb/ft	--
Plain End Weight	44.26	--	--	--	lb/ft	--
PERFORMANCE	**Pipe**	**BTC**	**LTC**	**STC**		**--**
Minimum Collapse Pressure	2,090	2,090	2,090	2,090	psi	--
Minimum Internal Yield Pressure	3,580	3,580	3,580	3,580	psi	--
Minimum Pipe Body Yield Strength	715	--	--	--	1,000 lbs	--
Joint Strength	--	796	--	493	1,000 lbs	--
Reference Length	--	11,663	--	7,224	ft	--
MAKE-UP DATA	**Pipe**	**BTC**	**LTC**	**STC**		**--**
Make-Up Loss	--	4.81	--	3.50	in.	--
Minimum Make-Up Torque	--	--	--	3,700	ft-lb	--
Maximum Make-Up Torque	--	--	--	6,160	ft-lb	--

Notes

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

PROPOSED SURFACE SITE EXHIBIT

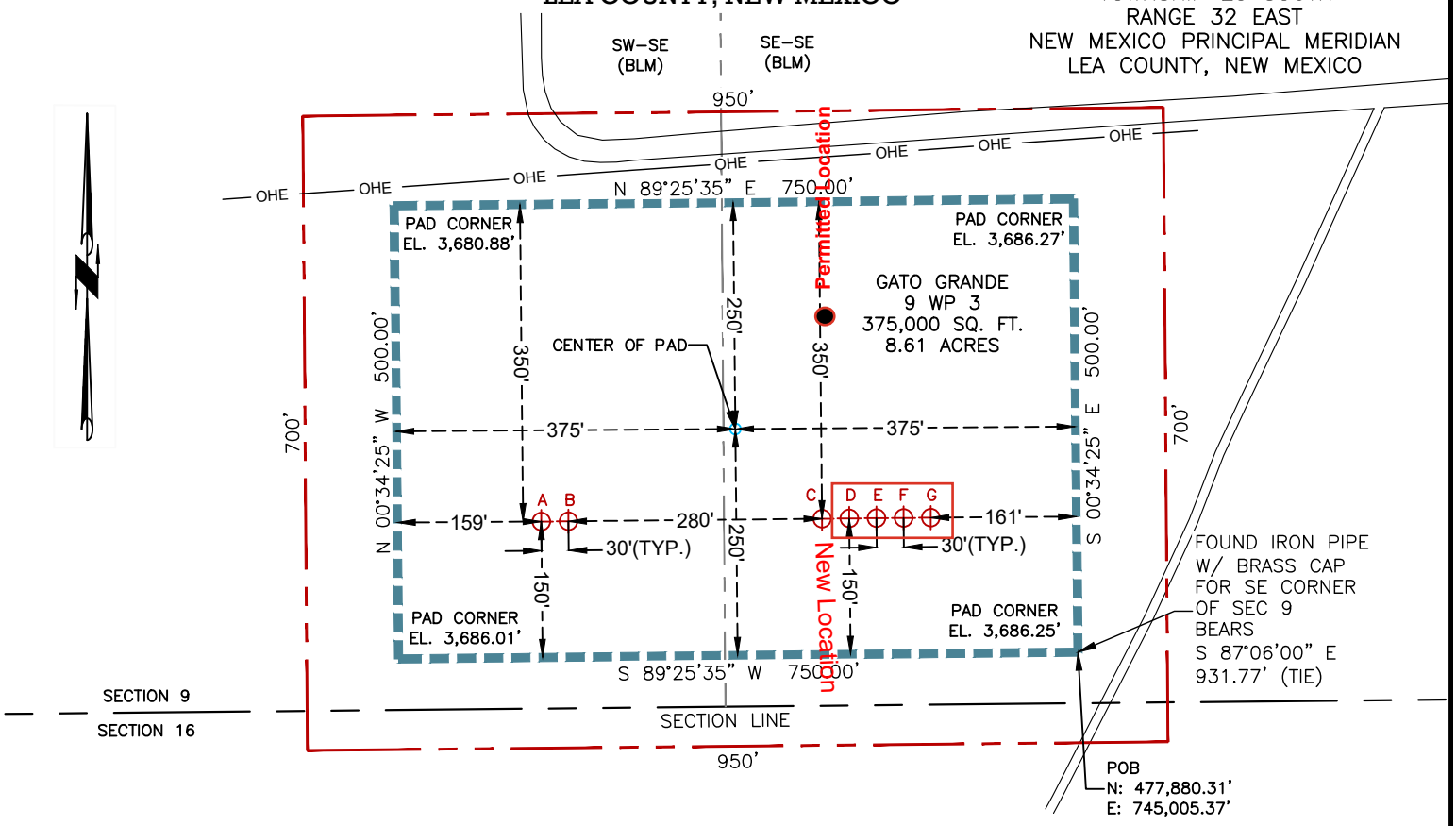
GATO GRANDE 9 WP3 R2

UCID# AA000487611

SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 EAST

NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO



TOTAL SURFACE SITE ACREAGE BREAKDOWN BY SECTION 1/4 1/4			
1/4 1/4	OWNERSHIP	SQ. FEET	ACRES
SW-SE	BLM	180,518	4.14
SE-SE	BLM	194,482	4.46
TOTAL		**375,000**	**8.61**

200' 0' 200'

LEGEND

- SECTION LINES
- EXISTING FENCE
- EXISTING ELECTRIC
- FOREIGN PIPELINE
- PROPOSED SURFACE SITE
- 100' OFFSET BOUNDARY
- PROPOSED SURFACE HOLE
- FOUND MONUMENT
- CALCULATED CORNER

A	GATO GRANDE 9 4 FED COM 832H
B	GATO GRANDE 9 4 FED COM 835H
C	GATO GRANDE 9 4 FED COM 833H
D	GATO GRANDE 9 4 FED COM 614H
E	GATO GRANDE 9 4 FED COM 814H
F	GATO GRANDE 9 4 FED COM 714H
G	GATO GRANDE 9 4 FED COM 834H

NICHOLAS COLE PHIPPS NEW MEXICO 29796 PROFESSIONAL SURVEYOR

I, Nicholas Cole Phipps, New Mexico Professional Surveyor No. 29796, do hereby certify that this Easement Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision, that I am responsible for this survey; that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an Easement Survey Plat of an existing tract or tracts.

Nicholas Cole Phipps _____ PS NO. 29796 Date 2-24-25

DWG: AA000487611_GATO_GRANDE_9_WP_3_R2

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NOTES:
1.) BEARINGS AND COORDINATES ARE GRID AS DERIVED FROM GPS OBSERVATION AND ARE BASED ON THE STATE PLANE COORDINATES FOR THE NEW MEXICO EAST ZONE 3001-NAD83.
2.) CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT. IN RELATION TO THE EVIDENCE DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY THE CLIENT. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES KNOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.

Drawn: JMJ	Date: 02/24/2025	Job: 24-122788	Scale: 1=200'	COOSA CONSULTING
Checked: NCP	Date: 02/24/2025	REVISION NO. 2	SHEET 1 OF 2	PO BOX 1583, MIDLAND, TEXAS 79701

devon

PROPOSED SURFACE SITE EXHIBIT

GATO GRANDE 9 WP3 R2

UCID# AA000487611

SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 EAST

NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO

METES AND BOUNDS DESCRIPTION:

BEING A SURFACE SITE, SITUATED IN **SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 EAST, NEW MEXICO PRINCIPAL MERIDIAN**, LEA COUNTY, NEW MEXICO;

BEGINNING AT A POINT HAVING COORDINATES OF **N: 477,880.31', E: 745,005.37' / LAT: 32.312044°, LONG: -103.674079°, POINT OF BEGINNING (P.O.B.)**, IN SAID SECTION 9, FROM WHICH A FOUND IRON PIPE WITH BRASS CAP FOR THE SOUTHEAST CORNER OF SAID SECTION 9 BEARS S 87°06'00" E A DISTANCE OF 931.77 FEET;

THENCE S 89°25'35" W, A DISTANCE OF 750.00 FEET TO A POINT;
THENCE N 00°34'25" W, A DISTANCE OF 500.00 FEET TO A POINT;
THENCE N 89°25'35" E, A DISTANCE OF 750.00 FEET TO A POINT;

THENCE S 00°34'25" E, A DISTANCE OF 500.00 FEET TO THE POINT OF BEGINNING.

SAID SURFACE SITE CONTAINING 375,000 SQUARE FEET OR 8.61 ACRES IN SECTION 9, MORE OR LESS.

I, Nicholas Cole Phipps, New Mexico Professional Surveyor No. 29796, do hereby certify that this Easement Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision, that I am responsible for this survey; that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an Easement Survey Plat of an existing tract or tracts.

Nicholas Cole Phipps _____ PS NO. 29796 Date 2-24-25

DWG: AA000487611_GATO_GRANDE_9_WP_3_R2

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NOTES:
1.) BEARINGS AND COORDINATES ARE GRID AS DERIVED FROM GPS OBSERVATION AND ARE BASED ON THE STATE PLANE COORDINATES FOR THE NEW MEXICO EAST ZONE 3001-NAD83.
2.) CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT. IN RELATION TO THE EVIDENCE DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY THE CLIENT. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES KNOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.

Drawn: JMJ	Date: 02/24/2025	Job: 24-122788	Scale: N/A	COOSA CONSULTING
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DEVON ENERGY PRODUCTION COMPANY, L.P.

GATO GRANDE 9 WP 3 GRADING PLAN

UID#AA000487611

SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 EAST, NEW MEXICO PRINCIPAL MERIDIAN

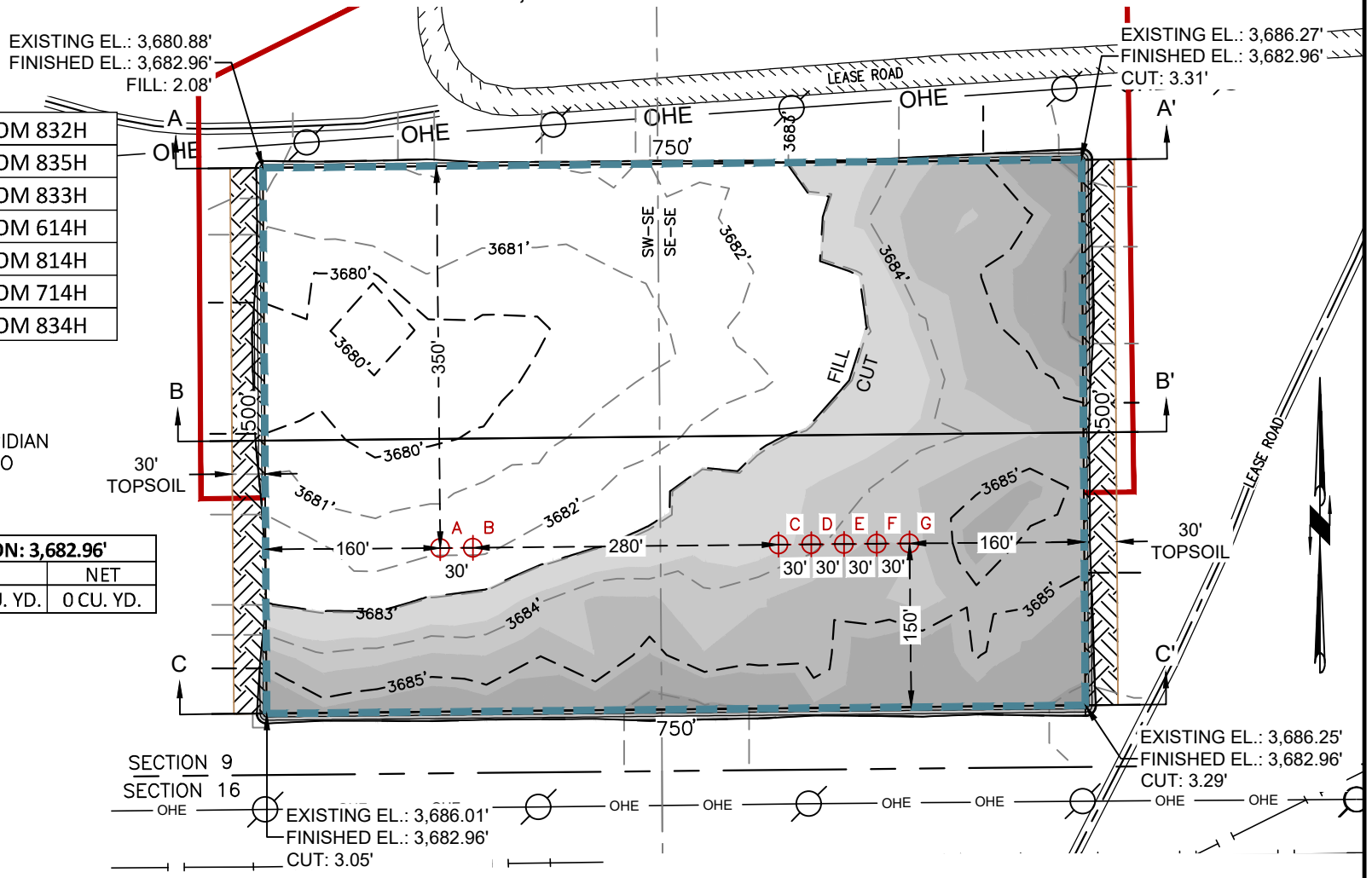
LEA COUNTY, NEW MEXICO

150' 0' 150'

A	GATO GRANDE 9 4 FED COM 832H
B	GATO GRANDE 9 4 FED COM 835H
C	GATO GRANDE 9 4 FED COM 833H
D	GATO GRANDE 9 4 FED COM 614H
E	GATO GRANDE 9 4 FED COM 814H
F	GATO GRANDE 9 4 FED COM 714H
G	GATO GRANDE 9 4 FED COM 834H

SECTION 9
TOWNSHIP 23 SOUTH
RANGE 32 EAST
NEW MEXICO PRINCIPAL MERIDIAN
LEA COUNTY, NEW MEXICO

PROPOSED PAD ELEVATION: 3,682.96'		
CUT	FILL	NET
11,752.12 CU. YD.	11,752.12 CU. YD.	0 CU. YD.



LEGEND

- SECTION LINES
- PROPOSED PAD
- PROPOSED PIPELINE
- PROPOSED OH ELECTRIC
- PROPOSED ACCESS ROAD
- OHE — EXISTING OH ELECTRIC
- EXISTING PIPELINE
- X — EXISTING FENCE
- EDGE OF PAVEMENT
- PROPOSED SURFACE LOCATION

NOTES:
1.) BEARINGS AND COORDINATES ARE GRID AS DERIVED FROM GPS OBSERVATION AND ARE BASED ON THE STATE PLANE COORDINATES FOR THE NEW MEXICO EST ZONE 3001-NAD 83.
2.) CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT. IN RELATION TO THE EVIDENCE DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY THE CLIENT. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES KNOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.

Drawn: ASH	Date: 02/19/2025	Scale: 1" = 150'	Job: 24-122788
Checked: NCP	Date: 02/19/2025	REVISION NO. 2	SHEET 1 OF 2

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FIRM NO. 10194822

DEVON ENERGY PRODUCTION COMPANY, L.P.

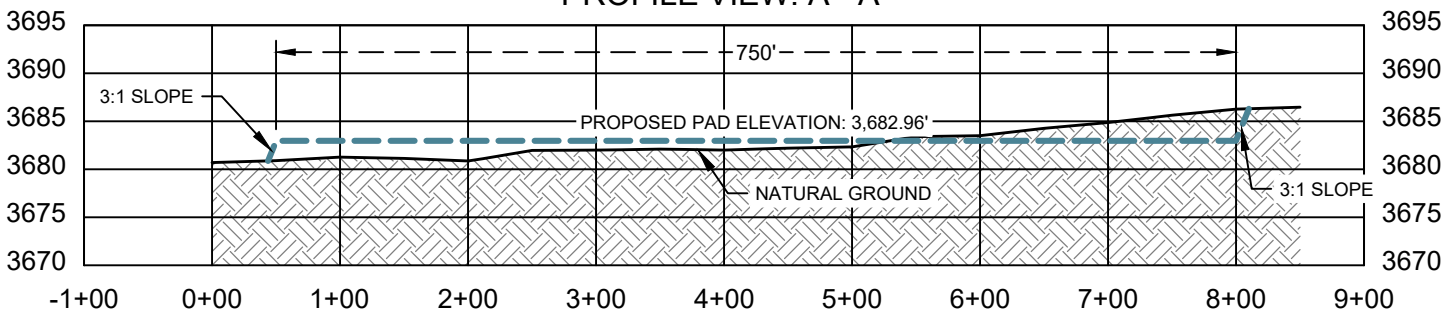
GATO GRANDE 9 WP 3 CROSS SECTIONS

UID#AA000487611

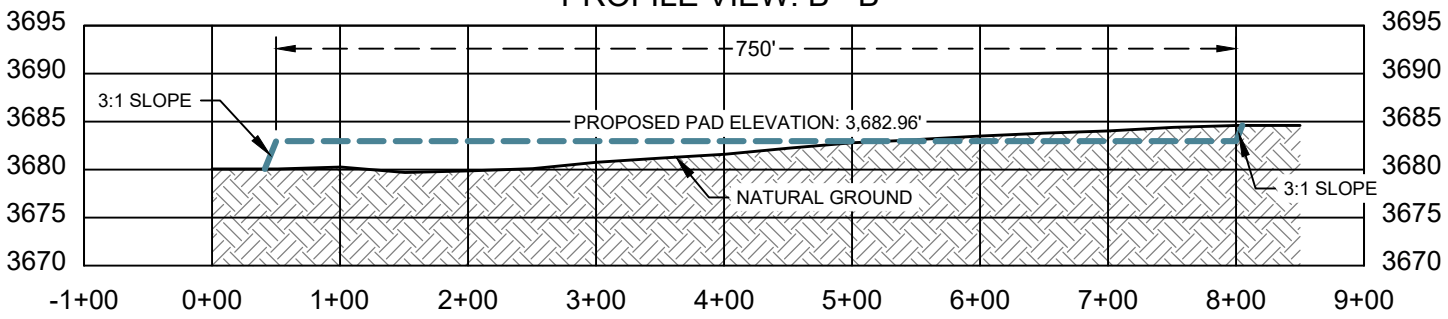
SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 EAST, NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO

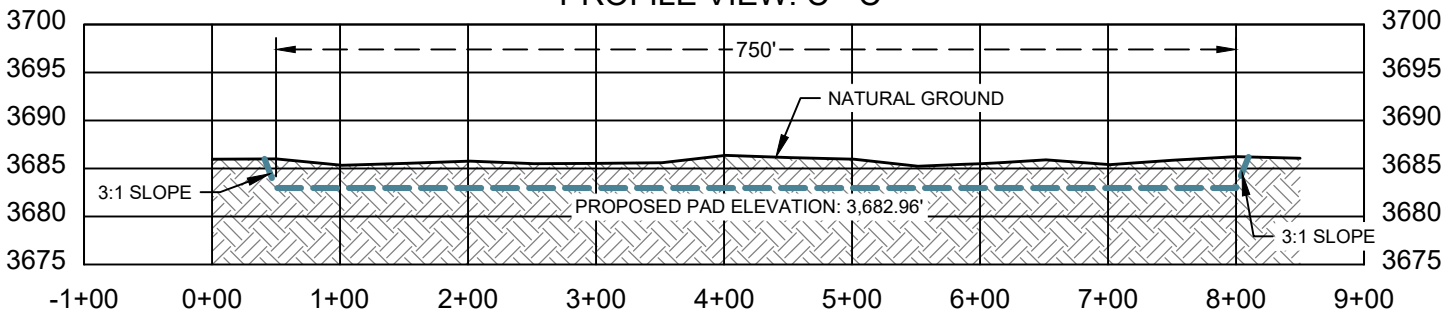
PROFILE VIEW: A - A'



PROFILE VIEW: B - B'



PROFILE VIEW: C - C'



PROPOSED PAD ELEVATION: 3,682.96'		
CUT	FILL	NET
11,752.12 CU. YD.	11,752.12 CU. YD.	0 CU. YD.

VERTICAL SCALE: 1"=20'

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NOTES:
1.) BEARINGS AND COORDINATES ARE GRID AS DERIVED FROM GPS OBSERVATION AND ARE BASED ON THE STATE PLANE COORDINATES FOR THE NEW MEXICO EST ZONE 3001-NAD 83.
2.) CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT. IN RELATION TO THE EVIDENCE DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY THE CLIENT. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES KNOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.

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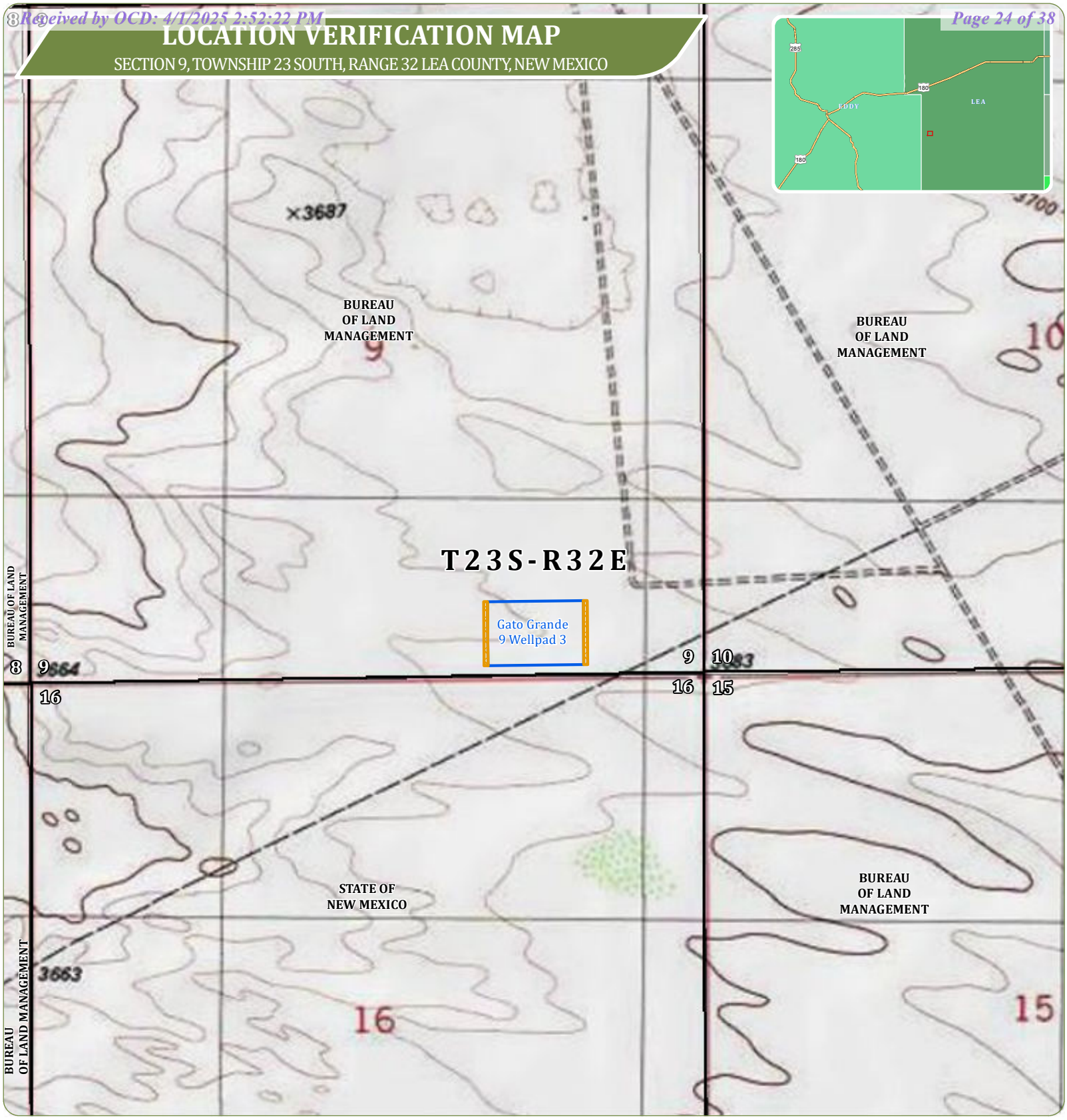
LOCATION VERIFICATION MAP

SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 LEA COUNTY, NEW MEXICO



1:12,000 | 0 | 825 | 1,650 | 2,475 Feet

COOSA CONSULTING
PERMIAN BASIN
PO Box 1583
Midland, TX 79702
CONTACT
Email: info@coosaconsulting.com
Office : (432) 631-4738

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

Legend

- Well Pad
- Top Soil

Gato Grande 9 Wellpad 3

Site Number: AA000487611
WBS Number: XX-145762

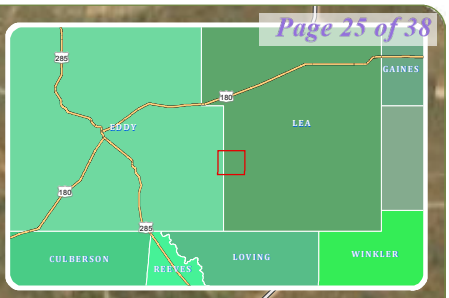
OPERATOR:
DEVON ENERGY PRODUCTION COMPANY, LP

devon

Rev: 2

AERIAL ACCESS ROUTE MAP

SECTION 9, TOWNSHIP 23 SOUTH, RANGE 32 LEA COUNTY, NEW MEXICO



LAT: 32.31341
LONG: -103.676351

Gato Grande 9 Wellpad 3

0.7 Miles

2 Miles

Alisha Ln

798

5.6 Miles

Paduca Breaks Ln

LAT: 32.251975
LONG: -103.741141

1.2 Miles

128

County Road 31

FROM THE INTERSECTION OF NM-128 AND CR-798 HEAD SOUTHEAST
ON NM-128 FOR 1.2 MILES;
TURN LEFT AND HEAD NORTHEAST
ON CR-31(PADUCA BRAEKS LN.) FOR 5.6 MILE;
TURN LEFT AND MOVE NORTHWEST ON LEASE ROAD FOR 2 MILE;
TURN LEFT AND MOVE WEST FOR 0.7 MILE
TO THE NORTHWEST CORNER OF GATO GRANDE 9 WELLPAD 3.

1:50,000

0 5,200 10,400 Feet

COOSA CONSULTING
PERMIAN BASIN
PO Box 1583
Midland, TX 79702
CONTACT
Email: info@coosaconsulting.com
Office : (432) 631-4738

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

Legend

- Driving Route
- Freeways Highways
- Major Road
- Local Road
- Wellpad

Gato Grande 9 Wellpad 3

Site Number: AA000487611
WBS Number: XX-145762

OPERATOR:
DEVON ENERGY PRODUCTION COMPANY, LP

devon

Rev: 2

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☑ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-51311	[98393]	WC-025 S233206C;LWR WOLFCAMP (GAS)

Property Code	Property Name	Well Number
	GATO GRANDE 9 4 FED COM	833H

OGRID No.	Operator Name	Ground Level Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3,684'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal | Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	9	23S	32E		206' FSL	1,212' FEL	32.312453°	-103.674990°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
LOT 2	4	23S	32E		20' FNL	1,475' FEL	32.340808°	-103.675862°	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
638.93				

Order Numbers. | Well setbacks are under Common Ownership: ☐Yes ☐No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	9	23S	32E		50' FSL	1,475' FEL	32.312021°	-103.675842°	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	9	23S	32E		100' FSL	1,475' FEL	32.312158°	-103.675842°	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
LOT 2	4	23S	32E		100' FNL	1,475' FEL	32.340588°	-103.675862°	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Lauren Watson 3/7/2025

Signature Date

Lauren Watson

Printed Name

Lauren Watson

Email Address

SURVEYOR CERTIFICATIONS

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.

NICHOLAS COLE PHIPPS P.S. 29796
COOSA CONSULTING CORPORATION
PO BOX 1583, MIDLAND, TEXAS 79701

NICHOLAS COLE PHIPPS NEW MEXICO 29796 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
29796	2/20/2025

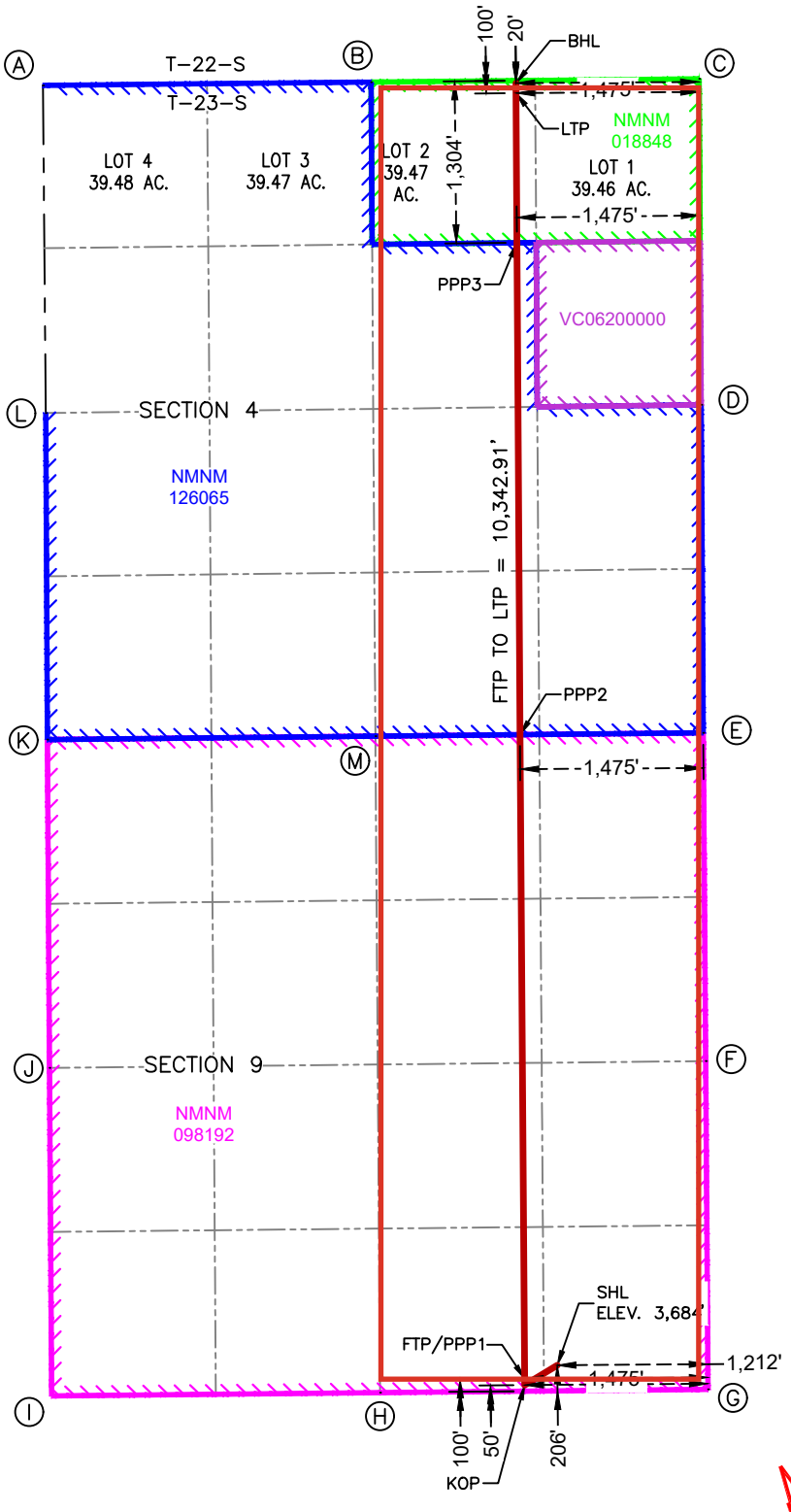
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

GATO GRANDE 9 4 FED COM 833H



CORNER COORDINATES NEW MEXICO EAST - NAD 83	
A	IRON PIPE W/BRASS CAP N:488,323.10' E:740,583.37'
B	CALCULATED CORNER N:488,349.49' E:743,224.26'
C	IRON PIPE W/BRASS CAP N:488,375.88' E:745,865.14'
D	IRON PIPE W/BRASS CAP N:485,753.66' E:745,881.34'
E	CALCULATED CORNER N:483,114.70' E:745,897.59'
F	IRON PIPE W/BRASS CAP N:480,473.91' E:745,917.15'
G	IRON PIPE W/BRASS CAP N:477,833.17' E:745,935.94'
H	IRON PIPE W/BRASS CAP N:477,806.86' E:743,296.26'
I	IRON PIPE W/BRASS CAP N:477,780.24' E:740,653.25'
J	IRON PIPE W/BRASS CAP N:480,419.18' E:740,635.92'
K	IRON PIPE W/BRASS CAP N:483,060.19' E:740,618.94'
L	IRON PIPE W/BRASS CAP N:485,687.56' E:740,606.09'
M	IRON PIPE W/BRASS CAP N:483,088.03' E:743,258.71'

SURFACE HOLE LOCATION
206' FSL & 1,212' FEL
ELEV. = 3,684'
NAD 83 X = 744,722.86'
NAD 83 Y = 478,027.49'
NAD 83 LAT = 32.312453°
NAD 83 LONG = -103.674990°

KICK-OFF POINT
50' FSL & 1,475' FEL
NAD 83 X = 744,460.66'
NAD 83 Y = 477,868.47'
NAD 83 LAT = 32.312021°
NAD 83 LONG = -103.675842°

FIRST TAKE POINT & PENETRATION POINT 1
100' FSL & 1,475' FEL
NAD 83 X = 744,460.30'
NAD 83 Y = 477,918.47'
NAD 83 LAT = 32.312158°
NAD 83 LONG = -103.675842°

PENETRATION POINT 2
0' FSL & 1,475' FEL
NAD 83 X = 744,422.66'
NAD 83 Y = 483,099.79'
NAD 83 LAT = 32.326401°
NAD 83 LONG = -103.675861°

PENETRATION POINT 3
1,304' FNL & 1,475' FEL
NAD 83 X = 744,398.25'
NAD 83 Y = 487,056.98'
NAD 83 LAT = 32.337278°
NAD 83 LONG = -103.675862°

LAST TAKE POINT
100' FNL & 1,475' FEL
NAD 83 X = 744,390.82'
NAD 83 Y = 488,261.14'
NAD 83 LAT = 32.340588°
NAD 83 LONG = -103.675862°

BOTTOM HOLE LOCATION
20' FNL & 1,475' FEL
NAD 83 X = 744,390.32'
NAD 83 Y = 488,341.14'
NAD 83 LAT = 32.340808°
NAD 83 LONG = -103.675862°

NICHOLAS COLE PHIPPS
NEW MEXICO
29796
PROFESSIONAL SURVEYOR

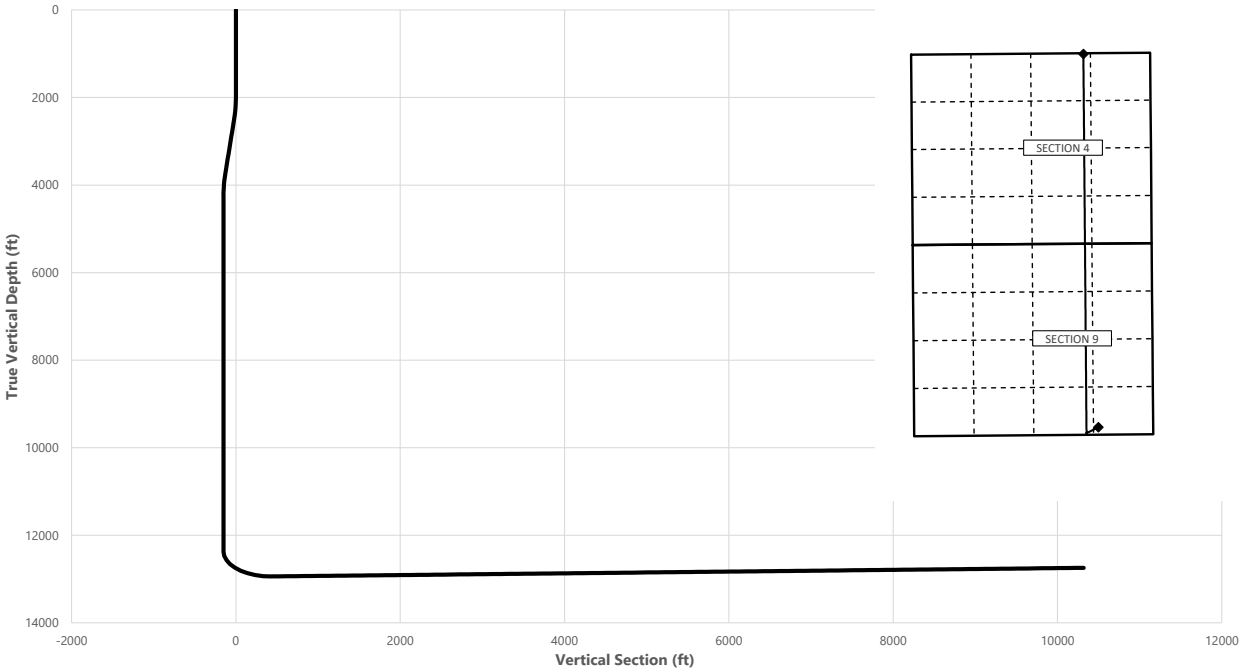
2-20-25

devon

Well: GATO GRANDE 9-4 FED COM 833H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (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	238.80	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	238.80	2497.47	-22.55	-37.23	-21.33	2.00	Hold Tangent
3769.92	10.00	238.80	3748.09	-136.78	-225.85	-129.43	0.00	Drop to Vertical
4269.92	0.00	238.80	4245.56	-159.33	-263.08	-150.77	2.00	Hold Vertical
12391.52	0.00	359.62	12367.16	-159.33	-263.08	-150.77	0.00	KOP
13302.87	91.14	359.62	12940.00	424.97	-266.95	433.35	10.00	Landing Point
23193.71	91.14	359.62	12744.00	10313.65	-332.54	10319.01	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	1160.00	1160.00
Salt	1454.00	1454.00
Base of Salt	4588.36	4564.00
Delaware	4843.36	4819.00
Cherry Canyon	5990.36	5966.00
Brushy Canyon	6939.36	6915.00
1st Bone Spring Lime	8664.36	8640.00
Bone Spring 1st	9804.36	9780.00
Bone Spring 2nd	10432.36	10408.00
3rd Bone Spring Lime	10970.36	10946.00
Bone Spring 3rd	11574.36	11550.00
wolfcamp / Point of Penetration	11969.36	11945.00
exit	23113.71	12745.60

	MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
SHL	0.00	0.00	32.3124	-103.6751	206' FSL, 1212' FEL of Sec 9 in T23S, R32E
KOP	12391.52	12367.16	32.3121	-103.6758	50' FSL, 1475' FEL of Sec 9 in T23S, R32E
Point of Penetration	11969.36	11945.00	32.3122	-103.6758	100' FSL, 1475' FEL of Sec 9 in T23S, R32E
Exit	23113.71	12745.60	32.3406	-103.6759	100' FNL, 1475' FEL of Sec 4 in T23S, R32E
BHL	23193.71	12744.00	32.3407	-103.6759	20' FNL, 1475' FEL of Sec 4 in T23S, R32E

	Y	X	MD
KOP	**477868**	**744460**	12391.52

devon

Well: GATO GRANDE 9-4 FED COM 833H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (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	238.80	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	238.80	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	238.80	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	238.80	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	238.80	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	238.80	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	238.80	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	238.80	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	238.80	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	238.80	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	238.80	1100.00	0.00	0.00	0.00	0.00	
1160.00	0.00	238.80	1160.00	0.00	0.00	0.00	0.00	Rustler
1200.00	0.00	238.80	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	238.80	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	238.80	1400.00	0.00	0.00	0.00	0.00	
1454.00	0.00	238.80	1454.00	0.00	0.00	0.00	0.00	Salt
1500.00	0.00	238.80	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	238.80	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	238.80	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	238.80	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	238.80	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	238.80	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	238.80	2099.98	-0.90	-1.49	-0.86	2.00	
2200.00	4.00	238.80	2199.84	-3.62	-5.97	-3.42	2.00	
2300.00	6.00	238.80	2299.45	-8.13	-13.42	-7.69	2.00	
2400.00	8.00	238.80	2398.70	-14.44	-23.85	-13.67	2.00	
2500.00	10.00	238.80	2497.47	-22.55	-37.23	-21.33	2.00	Hold Tangent
2600.00	10.00	238.80	2595.95	-31.54	-52.08	-29.85	0.00	
2700.00	10.00	238.80	2694.43	-40.54	-66.93	-38.36	0.00	
2800.00	10.00	238.80	2792.91	-49.53	-81.79	-46.87	0.00	
2900.00	10.00	238.80	2891.39	-58.53	-96.64	-55.38	0.00	
3000.00	10.00	238.80	2989.87	-67.52	-111.49	-63.90	0.00	
3100.00	10.00	238.80	3088.35	-76.52	-126.35	-72.41	0.00	
3200.00	10.00	238.80	3186.83	-85.51	-141.20	-80.92	0.00	
3300.00	10.00	238.80	3285.31	-94.51	-156.05	-89.43	0.00	
3400.00	10.00	238.80	3383.79	-103.51	-170.91	-97.94	0.00	
3500.00	10.00	238.80	3482.27	-112.50	-185.76	-106.46	0.00	
3600.00	10.00	238.80	3580.75	-121.50	-200.61	-114.97	0.00	
3700.00	10.00	238.80	3679.23	-130.49	-215.47	-123.48	0.00	
3769.92	10.00	238.80	3748.09	-136.78	-225.85	-129.43	0.00	Drop to Vertical
3800.00	9.40	238.80	3777.74	-139.41	-230.19	-131.92	2.00	
3900.00	7.40	238.80	3876.66	-146.97	-242.68	-139.07	2.00	
4000.00	5.40	238.80	3976.04	-152.74	-252.21	-144.54	2.00	
4100.00	3.40	238.80	4075.74	-156.72	-258.77	-148.30	2.00	
4200.00	1.40	238.80	4175.64	-158.88	-262.35	-150.35	2.00	
4269.92	0.00	238.80	4245.56	-159.33	-263.08	-150.77	2.00	Hold Vertical
4300.00	0.00	359.62	4275.64	-159.33	-263.08	-150.77	0.00	
4400.00	0.00	359.62	4375.64	-159.33	-263.08	-150.77	0.00	
4500.00	0.00	359.62	4475.64	-159.33	-263.08	-150.77	0.00	
4588.36	0.00	359.62	4564.00	-159.33	-263.08	-150.77	0.00	Base of Salt
4600.00	0.00	359.62	4575.64	-159.33	-263.08	-150.77	0.00	
4700.00	0.00	359.62	4675.64	-159.33	-263.08	-150.77	0.00	
4800.00	0.00	359.62	4775.64	-159.33	-263.08	-150.77	0.00	
4843.36	0.00	359.62	4819.00	-159.33	-263.08	-150.77	0.00	Delaware
4900.00	0.00	359.62	4875.64	-159.33	-263.08	-150.77	0.00	
5000.00	0.00	359.62	4975.64	-159.33	-263.08	-150.77	0.00	
5100.00	0.00	359.62	5075.64	-159.33	-263.08	-150.77	0.00	
5200.00	0.00	359.62	5175.64	-159.33	-263.08	-150.77	0.00	
5300.00	0.00	359.62	5275.64	-159.33	-263.08	-150.77	0.00	
5400.00	0.00	359.62	5375.64	-159.33	-263.08	-150.77	0.00	
5500.00	0.00	359.62	5475.64	-159.33	-263.08	-150.77	0.00	
5600.00	0.00	359.62	5575.64	-159.33	-263.08	-150.77	0.00	
5700.00	0.00	359.62	5675.64	-159.33	-263.08	-150.77	0.00	
5800.00	0.00	359.62	5775.64	-159.33	-263.08	-150.77	0.00	
5900.00	0.00	359.62	5875.64	-159.33	-263.08	-150.77	0.00	
5990.36	0.00	359.62	5966.00	-159.33	-263.08	-150.77	0.00	Cherry Canyon
6000.00	0.00	359.62	5975.64	-159.33	-263.08	-150.77	0.00	
6100.00	0.00	359.62	6075.64	-159.33	-263.08	-150.77	0.00	
6200.00	0.00	359.62	6175.64	-159.33	-263.08	-150.77	0.00	

devon

Well: GATO GRANDE 9-4 FED COM 833H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6300.00	0.00	359.62	6275.64	-159.33	-263.08	-150.77	0.00	
6400.00	0.00	359.62	6375.64	-159.33	-263.08	-150.77	0.00	
6500.00	0.00	359.62	6475.64	-159.33	-263.08	-150.77	0.00	
6600.00	0.00	359.62	6575.64	-159.33	-263.08	-150.77	0.00	
6700.00	0.00	359.62	6675.64	-159.33	-263.08	-150.77	0.00	
6800.00	0.00	359.62	6775.64	-159.33	-263.08	-150.77	0.00	
6900.00	0.00	359.62	6875.64	-159.33	-263.08	-150.77	0.00	
6939.36	0.00	359.62	6915.00	-159.33	-263.08	-150.77	0.00	Brushy Canyon
7000.00	0.00	359.62	6975.64	-159.33	-263.08	-150.77	0.00	
7100.00	0.00	359.62	7075.64	-159.33	-263.08	-150.77	0.00	
7200.00	0.00	359.62	7175.64	-159.33	-263.08	-150.77	0.00	
7300.00	0.00	359.62	7275.64	-159.33	-263.08	-150.77	0.00	
7400.00	0.00	359.62	7375.64	-159.33	-263.08	-150.77	0.00	
7500.00	0.00	359.62	7475.64	-159.33	-263.08	-150.77	0.00	
7600.00	0.00	359.62	7575.64	-159.33	-263.08	-150.77	0.00	
7700.00	0.00	359.62	7675.64	-159.33	-263.08	-150.77	0.00	
7800.00	0.00	359.62	7775.64	-159.33	-263.08	-150.77	0.00	
7900.00	0.00	359.62	7875.64	-159.33	-263.08	-150.77	0.00	
8000.00	0.00	359.62	7975.64	-159.33	-263.08	-150.77	0.00	
8100.00	0.00	359.62	8075.64	-159.33	-263.08	-150.77	0.00	
8200.00	0.00	359.62	8175.64	-159.33	-263.08	-150.77	0.00	
8300.00	0.00	359.62	8275.64	-159.33	-263.08	-150.77	0.00	
8400.00	0.00	359.62	8375.64	-159.33	-263.08	-150.77	0.00	
8500.00	0.00	359.62	8475.64	-159.33	-263.08	-150.77	0.00	
8600.00	0.00	359.62	8575.64	-159.33	-263.08	-150.77	0.00	
8664.36	0.00	359.62	8640.00	-159.33	-263.08	-150.77	0.00	1st Bone Spring Lime
8700.00	0.00	359.62	8675.64	-159.33	-263.08	-150.77	0.00	
8800.00	0.00	359.62	8775.64	-159.33	-263.08	-150.77	0.00	
8900.00	0.00	359.62	8875.64	-159.33	-263.08	-150.77	0.00	
9000.00	0.00	359.62	8975.64	-159.33	-263.08	-150.77	0.00	
9100.00	0.00	359.62	9075.64	-159.33	-263.08	-150.77	0.00	
9200.00	0.00	359.62	9175.64	-159.33	-263.08	-150.77	0.00	
9300.00	0.00	359.62	9275.64	-159.33	-263.08	-150.77	0.00	
9400.00	0.00	359.62	9375.64	-159.33	-263.08	-150.77	0.00	
9500.00	0.00	359.62	9475.64	-159.33	-263.08	-150.77	0.00	
9600.00	0.00	359.62	9575.64	-159.33	-263.08	-150.77	0.00	
9700.00	0.00	359.62	9675.64	-159.33	-263.08	-150.77	0.00	
9800.00	0.00	359.62	9775.64	-159.33	-263.08	-150.77	0.00	
9804.36	0.00	359.62	9780.00	-159.33	-263.08	-150.77	0.00	Bone Spring 1st
9900.00	0.00	359.62	9875.64	-159.33	-263.08	-150.77	0.00	
10000.00	0.00	359.62	9975.64	-159.33	-263.08	-150.77	0.00	
10100.00	0.00	359.62	10075.64	-159.33	-263.08	-150.77	0.00	
10200.00	0.00	359.62	10175.64	-159.33	-263.08	-150.77	0.00	
10300.00	0.00	359.62	10275.64	-159.33	-263.08	-150.77	0.00	
10400.00	0.00	359.62	10375.64	-159.33	-263.08	-150.77	0.00	
10432.36	0.00	359.62	10408.00	-159.33	-263.08	-150.77	0.00	Bone Spring 2nd
10500.00	0.00	359.62	10475.64	-159.33	-263.08	-150.77	0.00	
10600.00	0.00	359.62	10575.64	-159.33	-263.08	-150.77	0.00	
10700.00	0.00	359.62	10675.64	-159.33	-263.08	-150.77	0.00	
10800.00	0.00	359.62	10775.64	-159.33	-263.08	-150.77	0.00	
10900.00	0.00	359.62	10875.64	-159.33	-263.08	-150.77	0.00	
10970.36	0.00	359.62	10946.00	-159.33	-263.08	-150.77	0.00	3rd Bone Spring Lime
11000.00	0.00	359.62	10975.64	-159.33	-263.08	-150.77	0.00	
11100.00	0.00	359.62	11075.64	-159.33	-263.08	-150.77	0.00	
11200.00	0.00	359.62	11175.64	-159.33	-263.08	-150.77	0.00	
11300.00	0.00	359.62	11275.64	-159.33	-263.08	-150.77	0.00	
11400.00	0.00	359.62	11375.64	-159.33	-263.08	-150.77	0.00	
11500.00	0.00	359.62	11475.64	-159.33	-263.08	-150.77	0.00	
11574.36	0.00	359.62	11550.00	-159.33	-263.08	-150.77	0.00	Bone Spring 3rd
11600.00	0.00	359.62	11575.64	-159.33	-263.08	-150.77	0.00	
11700.00	0.00	359.62	11675.64	-159.33	-263.08	-150.77	0.00	
11800.00	0.00	359.62	11775.64	-159.33	-263.08	-150.77	0.00	
11900.00	0.00	359.62	11875.64	-159.33	-263.08	-150.77	0.00	
11969.36	0.00	359.62	11945.00	-159.33	-263.08	-150.77	0.00	wolfcamp / Point of Penetration
12000.00	0.00	359.62	11975.64	-159.33	-263.08	-150.77	0.00	
12100.00	0.00	359.62	12075.64	-159.33	-263.08	-150.77	0.00	
12200.00	0.00	359.62	12175.64	-159.33	-263.08	-150.77	0.00	
12300.00	0.00	359.62	12275.64	-159.33	-263.08	-150.77	0.00	
12391.52	0.00	359.62	12367.16	-159.33	-263.08	-150.77	0.00	KOP
12400.00	0.85	359.62	12375.64	-159.26	-263.08	-150.70	10.00	

devon

Well: GATO GRANDE 9-4 FED COM 833H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12500.00	10.85	359.62	12474.99	-149.09	-263.15	-140.53	10.00	
12600.00	20.85	359.62	12571.07	-121.81	-263.33	-113.26	10.00	
12700.00	30.85	359.62	12660.95	-78.27	-263.62	-69.73	10.00	
12800.00	40.85	359.62	12741.90	-19.78	-264.01	-11.26	10.00	
12900.00	50.85	359.62	12811.47	51.87	-264.48	60.37	10.00	
13000.00	60.85	359.62	12867.54	134.52	-265.03	142.99	10.00	
13100.00	70.85	359.62	12908.40	225.65	-265.63	234.10	10.00	
13200.00	80.85	359.62	12932.82	322.49	-266.28	330.91	10.00	
13300.00	90.85	359.62	12940.05	422.10	-266.94	430.48	10.00	
13302.87	91.14	359.62	12940.00	424.97	-266.95	433.35	10.00	Landing Point
13400.00	91.14	359.62	12938.08	522.08	-267.60	530.43	0.00	
13500.00	91.14	359.62	12936.09	622.06	-268.26	630.38	0.00	
13600.00	91.14	359.62	12934.11	722.04	-268.93	730.33	0.00	
13700.00	91.14	359.62	12932.13	822.01	-269.59	830.27	0.00	
13800.00	91.14	359.62	12930.15	921.99	-270.25	930.22	0.00	
13900.00	91.14	359.62	12928.17	1021.97	-270.92	1030.17	0.00	
14000.00	91.14	359.62	12926.19	1121.95	-271.58	1130.12	0.00	
14100.00	91.14	359.62	12924.21	1221.93	-272.24	1230.07	0.00	
14200.00	91.14	359.62	12922.22	1321.90	-272.91	1330.01	0.00	
14300.00	91.14	359.62	12920.24	1421.88	-273.57	1429.96	0.00	
14400.00	91.14	359.62	12918.26	1521.86	-274.24	1529.91	0.00	
14500.00	91.14	359.62	12916.28	1621.84	-274.90	1629.86	0.00	
14600.00	91.14	359.62	12914.30	1721.82	-275.56	1729.80	0.00	
14700.00	91.14	359.62	12912.32	1821.80	-276.23	1829.75	0.00	
14800.00	91.14	359.62	12910.34	1921.77	-276.89	1929.70	0.00	
14900.00	91.14	359.62	12908.35	2021.75	-277.55	2029.65	0.00	
15000.00	91.14	359.62	12906.37	2121.73	-278.22	2129.59	0.00	
15100.00	91.14	359.62	12904.39	2221.71	-278.88	2229.54	0.00	
15200.00	91.14	359.62	12902.41	2321.69	-279.54	2329.49	0.00	
15300.00	91.14	359.62	12900.43	2421.66	-280.21	2429.44	0.00	
15400.00	91.14	359.62	12898.45	2521.64	-280.87	2529.38	0.00	
15500.00	91.14	359.62	12896.46	2621.62	-281.54	2629.33	0.00	
15600.00	91.14	359.62	12894.48	2721.60	-282.20	2729.28	0.00	
15700.00	91.14	359.62	12892.50	2821.58	-282.86	2829.23	0.00	
15800.00	91.14	359.62	12890.52	2921.56	-283.53	2929.17	0.00	
15900.00	91.14	359.62	12888.54	3021.53	-284.19	3029.12	0.00	
16000.00	91.14	359.62	12886.56	3121.51	-284.85	3129.07	0.00	
16100.00	91.14	359.62	12884.58	3221.49	-285.52	3229.02	0.00	
16200.00	91.14	359.62	12882.59	3321.47	-286.18	3328.97	0.00	
16300.00	91.14	359.62	12880.61	3421.45	-286.84	3428.91	0.00	
16400.00	91.14	359.62	12878.63	3521.42	-287.51	3528.86	0.00	
16500.00	91.14	359.62	12876.65	3621.40	-288.17	3628.81	0.00	
16600.00	91.14	359.62	12874.67	3721.38	-288.84	3728.76	0.00	
16700.00	91.14	359.62	12872.69	3821.36	-289.50	3828.70	0.00	
16800.00	91.14	359.62	12870.71	3921.34	-290.16	3928.65	0.00	
16900.00	91.14	359.62	12868.72	4021.31	-290.83	4028.60	0.00	
17000.00	91.14	359.62	12866.74	4121.29	-291.49	4128.55	0.00	
17100.00	91.14	359.62	12864.76	4221.27	-292.15	4228.49	0.00	
17200.00	91.14	359.62	12862.78	4321.25	-292.82	4328.44	0.00	
17300.00	91.14	359.62	12860.80	4421.23	-293.48	4428.39	0.00	
17400.00	91.14	359.62	12858.82	4521.21	-294.14	4528.34	0.00	
17500.00	91.14	359.62	12856.83	4621.18	-294.81	4628.28	0.00	
17600.00	91.14	359.62	12854.85	4721.16	-295.47	4728.23	0.00	
17700.00	91.14	359.62	12852.87	4821.14	-296.14	4828.18	0.00	
17800.00	91.14	359.62	12850.89	4921.12	-296.80	4928.13	0.00	
17900.00	91.14	359.62	12848.91	5021.10	-297.46	5028.07	0.00	
18000.00	91.14	359.62	12846.93	5121.07	-298.13	5128.02	0.00	
18100.00	91.14	359.62	12844.95	5221.05	-298.79	5227.97	0.00	
18200.00	91.14	359.62	12842.96	5321.03	-299.45	5327.92	0.00	
18300.00	91.14	359.62	12840.98	5421.01	-300.12	5427.87	0.00	
18400.00	91.14	359.62	12839.00	5520.99	-300.78	5527.81	0.00	
18500.00	91.14	359.62	12837.02	5620.97	-301.44	5627.76	0.00	
18600.00	91.14	359.62	12835.04	5720.94	-302.11	5727.71	0.00	
18700.00	91.14	359.62	12833.06	5820.92	-302.77	5827.66	0.00	
18800.00	91.14	359.62	12831.08	5920.90	-303.43	5927.60	0.00	
18900.00	91.14	359.62	12829.09	6020.88	-304.10	6027.55	0.00	
19000.00	91.14	359.62	12827.11	6120.86	-304.76	6127.50	0.00	
19100.00	91.14	359.62	12825.13	6220.83	-305.43	6227.45	0.00	
19200.00	91.14	359.62	12823.15	6320.81	-306.09	6327.39	0.00	
19300.00	91.14	359.62	12821.17	6420.79	-306.75	6427.34	0.00	

devon

Well: GATO GRANDE 9-4 FED COM 833H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
19400.00	91.14	359.62	12819.19	6520.77	-307.42	6527.29	0.00	
19500.00	91.14	359.62	12817.20	6620.75	-308.08	6627.24	0.00	
19600.00	91.14	359.62	12815.22	6720.73	-308.74	6727.18	0.00	
19700.00	91.14	359.62	12813.24	6820.70	-309.41	6827.13	0.00	
19800.00	91.14	359.62	12811.26	6920.68	-310.07	6927.08	0.00	
19900.00	91.14	359.62	12809.28	7020.66	-310.73	7027.03	0.00	
20000.00	91.14	359.62	12807.30	7120.64	-311.40	7126.97	0.00	
20100.00	91.14	359.62	12805.32	7220.62	-312.06	7226.92	0.00	
20200.00	91.14	359.62	12803.33	7320.59	-312.73	7326.87	0.00	
20300.00	91.14	359.62	12801.35	7420.57	-313.39	7426.82	0.00	
20400.00	91.14	359.62	12799.37	7520.55	-314.05	7526.77	0.00	
20500.00	91.14	359.62	12797.39	7620.53	-314.72	7626.71	0.00	
20600.00	91.14	359.62	12795.41	7720.51	-315.38	7726.66	0.00	
20700.00	91.14	359.62	12793.43	7820.49	-316.04	7826.61	0.00	
20800.00	91.14	359.62	12791.45	7920.46	-316.71	7926.56	0.00	
20900.00	91.14	359.62	12789.46	8020.44	-317.37	8026.50	0.00	
21000.00	91.14	359.62	12787.48	8120.42	-318.03	8126.45	0.00	
21100.00	91.14	359.62	12785.50	8220.40	-318.70	8226.40	0.00	
21200.00	91.14	359.62	12783.52	8320.38	-319.36	8326.35	0.00	
21300.00	91.14	359.62	12781.54	8420.35	-320.03	8426.29	0.00	
21400.00	91.14	359.62	12779.56	8520.33	-320.69	8526.24	0.00	
21500.00	91.14	359.62	12777.58	8620.31	-321.35	8626.19	0.00	
21600.00	91.14	359.62	12775.59	8720.29	-322.02	8726.14	0.00	
21700.00	91.14	359.62	12773.61	8820.27	-322.68	8826.08	0.00	
21800.00	91.14	359.62	12771.63	8920.24	-323.34	8926.03	0.00	
21900.00	91.14	359.62	12769.65	9020.22	-324.01	9025.98	0.00	
22000.00	91.14	359.62	12767.67	9120.20	-324.67	9125.93	0.00	
22100.00	91.14	359.62	12765.69	9220.18	-325.33	9225.87	0.00	
22200.00	91.14	359.62	12763.70	9320.16	-326.00	9325.82	0.00	
22300.00	91.14	359.62	12761.72	9420.14	-326.66	9425.77	0.00	
22400.00	91.14	359.62	12759.74	9520.11	-327.33	9525.72	0.00	
22500.00	91.14	359.62	12757.76	9620.09	-327.99	9625.67	0.00	
22600.00	91.14	359.62	12755.78	9720.07	-328.65	9725.61	0.00	
22700.00	91.14	359.62	12753.80	9820.05	-329.32	9825.56	0.00	
22800.00	91.14	359.62	12751.82	9920.03	-329.98	9925.51	0.00	
22900.00	91.14	359.62	12749.83	10020.00	-330.64	10025.46	0.00	
23000.00	91.14	359.62	12747.85	10119.98	-331.31	10125.40	0.00	
23100.00	91.14	359.62	12745.87	10219.96	-331.97	10225.35	0.00	
23113.71	91.14	359.62	12745.60	10233.67	-332.06	10239.05	0.00	exit
23193.71	91.14	359.62	12744.00	10313.65	-332.54	10319.01	0.00	BHL

1. Geologic Formations

TVD of target	12746	Pilot hole depth	N/A
MD at TD:	23194	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	1160		
Salt	1454		
Base of Salt	4564		
Delaware	4819		
Cherry Canyon	5966		
Brushy Canyon	6915		
1st Bone Spring Lime	8640		
Bone Spring 1st	9780		
Bone Spring 2nd	10408		
3rd Bone Spring Lime	10946		
Bone Spring 3rd	11550		
wolfcamp	11945		

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

GATO GRANDE 9-4 FED COM 833H

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)
14 3/4	10 3/4	45 1/2	J-55	BTC	0	1185	0	1185
9 7/8	8 5/8	32	P110EC	Spring FJ	0	12292	0	12292
7 7/8	5 1/2	20	P110EC	DWC/C-IS+	0	23194	0	12746

•All casing strings will be tested in accordance with 43 CFR 3172. Must have table for contingency casing.

3. Cementing Program

Casing	# Sks	TOC	Wt. ppg	Yld (ft3/sack)	Slurry Description
Surface	710	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	336	Surf	9	3.27	Lead: Class C Cement + additives
	622	6915	13.2	1.44	Tail: Class H / C + additives
Int 1 Bradenhead Squeeze	763	Surf	13.2	1.44	Braden head: Class C Cement + additives
	336	Surf	9	3.27	Lead: Class C Cement + additives
	622	6915	13.2	1.44	Tail: Class H / C + additives
Production	117	10392	9	3.27	Lead: Class H /C + additives
	1430	12392	13.2	1.44	Tail: Class H / C + additives

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. The final cement top will be verified by Echo-meter. Devon will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program. Devon will report to the BLM the volume of fluid (limited to 1 bbls) used to flush intermediate casing valves following backside cementing procedures.

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

GATO GRANDE 9-4 FED COM 833H

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"	10M	Annular	X	50% of rated working pressure
			Blind Ram	X	10M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	10M	Annular (5M)	X	100% of rated working pressure
			Blind Ram	X	10M
			Pipe Ram		
			Double Ram	X	
			Other*		
			Annular (5M)		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
Y	A variance is requested to run a 5 M annular on a 10M system

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 Rpeort and sbumitted 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	Specfiy what type and where?
BH pressure at deepest TVD	6959
Abnormal temperature	No

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

Hydrogren 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 43 CFR 3176. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S 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 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 (43 CFR 3172, 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 nippled 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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447779
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Administrative order required for non-standard location prior to production.	5/12/2025
matthew.gomez	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	5/12/2025
matthew.gomez	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.	5/12/2025
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	5/12/2025
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	5/12/2025