

<b>Well Name:</b> STEEL GUITAR 35-26 FED COM	<b>Well Location:</b> T26S / R29E / SEC 26 / NENW /	<b>County or Parish/State:</b> /
<b>Well Number:</b> 423H	<b>Type of Well:</b> OTHER	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM19609	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001549852	<b>Well Status:</b> Drilling Well	<b>Operator:</b> WPX ENERGY PERMIAN LLC

### Notice of Intent

LONG VO

Digitally signed by  
LONG VO  
Date: 2024.02.05  
15:19:23 -06'00'

**Sundry ID:** 2772998

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 02/01/2024

**Time Sundry Submitted:** 02:31

**Date proposed operation will begin:** 02/01/2024

**Procedure Description:** Skid Sundry Attention Long Vo WPX Energy Permian, LLC respectfully request to skid over from the original permitted SHL location of 437 FNL, 1927 FWL, SEC 26-26S-29E and re-drill the approved subject wellbore in a different SHL due to pressures and a 4-string casing design change. The new SHL will be 407 FNL, 1929 FWL, SEC 26-26S-29E. The new well name will be Steel Guitar 35-26 Fed Com 423H and have a separate API. We request the original well associated with API 30-015-49852 to have a well name change to Steel Guitar 35-26 Fed Com 423Y. Please see the attached new plat, drill plan, and directional.

### NOI Attachments

#### Procedure Description

VAroughneck\_SC\_5\_5in\_x\_20\_0\_VA\_EP\_P110\_\_6.051\_\_100\_\_efficiency\_\_20240205124759.pdf

STEEL\_GUITAR\_35\_26\_FED\_COM\_423H\_20240205124758.pdf

5.5\_20lb\_P110EC\_VAM\_SPRINT\_SF\_20240205124759.pdf

WA018351019\_STEEL\_GUITAR\_35\_26\_FED\_COM\_423H\_WL\_R3\_20240201142728.pdf

STEEL\_GUITAR\_35\_26\_FED\_COM\_423H\_Directional\_Plan\_02\_01\_24\_20240201142722.pdf

9.625\_40\_\_J55\_20240201142722.pdf

7\_625\_29\_7\_BMP\_P110HSCY\_95\_RBW\_Sep20\_2023\_20240201142722.pdf

13.375\_54.50\_J55\_20240201142722.pdf

Well Name: STEEL CUT AR 35-26 FED COM	Well Location: T26S / R29E / SEC 26 / NENW /	County or Parish/State: /
Well Number: 423H	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM19609	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549852	Well Status: Drilling Well	Operator: WPX ENERGY PERMIAN LLC

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: CHELSEY GREEN  
Signed on: FEB 05, 2024 12:49 PM  
Name: WPX ENERGY PERMIAN LLC  
Title: Regulatory Compliance Professional  
Street Address: 333 West Sheridan Avenue  
City: Oklahoma City State: OK  
Phone: (405) 228-8595  
Email address: Chelsey.Green@dvn.com

Field

Representative Name:  
Street Address:  
City: State: Zip:  
Phone:  
Email address:

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b> <b>LEASE NO.:</b> <b>LOCATION:</b> <b>COUNTY:</b>	<b>WPX Energy Permian LLC</b> <b>NMNM19609</b> Section 26, T.26 S., R.29 E., NMPM <div style="border: 1px solid black; padding: 2px;">Eddy County, New Mexico ▼</div>
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<b>WELL NAME &amp; NO.:</b> <b>SURFACE HOLE FOOTAGE:</b> <b>BOTTOM HOLE FOOTAGE:</b> <b>ATS/API ID:</b> <b>APD ID:</b> <b>Sundry ID:</b>	<b>Steel Guitar 35-26 Fed Com 423H</b> 407'/N & 1929'/W 1745'/N & 1890'/W <b>3001549852</b> <b>10400063118</b> <b>2772998</b>
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COA

H2S	Yes ▼		
Potash	None ▼		
Cave/Karst Potential	Medium ▼		
Cave/Karst Potential	<input type="checkbox"/> Critical		
Variance	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Flex Hose	<input checked="" type="checkbox"/> Other
Wellhead	Conventional and Multibowl ▼		
Other	<input checked="" type="checkbox"/> 4 String	Capitan Reef None ▼	<input type="checkbox"/> WIPP
Other	Pilot Hole None ▼	<input type="checkbox"/> Open Annulus	
Cementing	Contingency Squeeze None ▼	Echo-Meter None ▼	Primary Cement Squeeze None ▼
Special Requirements	<input type="checkbox"/> Water Disposal/Injection	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry		
Special Requirements Variance	<input checked="" type="checkbox"/> Break Testing	<input type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> Casing Clearance

## A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H<sub>2</sub>S) 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 **13-3/8** inch surface casing shall be set at approximately **495 feet** (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** 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.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
3. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
  - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

4. 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.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

### 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 **3000 (3M) psi. Annular which shall be tested to 2100 (70% Working Pressure) psi.**
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** intermediate casing shoe shall be **5000 (5M) psi. Annular which shall be tested to 3500 (70% Working Pressure) psi.**
- c. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **7-5/8** inch intermediate casing shoe shall be **5000 (5M) psi.**

#### Option 2:

- a. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** 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 **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.

##### **BOPE Break Testing Variance (Approved)**

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- 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)** 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at **21-day** intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR part 3170 Subpart 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

**Casing Clearance:**

Operator casing variance is approved for the utilization of 5-1/2 inch Sprint Flush Joint **from** base of curve and a minimum of 500 feet or the minimum tie-back back requirement above whichever is greater into the previous casing shoe. **All** other 5-1/2 inch casing will run Varn.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are less than 0.5 micron before cementing.

## 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

**EMAIL** or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

**[BLM\\_NM\\_CFO\\_DrillingNotifications@BLM.GOV](mailto:BLM_NM_CFO_DrillingNotifications@BLM.GOV)**

(575) 361-2822

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 **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.
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. 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, 2) until cement has been in place at least 24 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 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 **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.

LVO 2/5/2024

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.

5. Lease Serial No. NMNM19609

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator WPX ENERGY PERMIAN LLC

3a. Address 3500 One Williams Center, Tulsa, OK 74172    3b. Phone No. (include area code) (539) 573-0212

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 26/T26S/R29E/NMP

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

8. Well Name and No. STEEL GUITAR 35-26 FED COM/42

9. API Well No. 30-015-54704

10. Field and Pool or Exploratory Area PURPLE SAGE/WOLFCAMP

11. Country or Parish, State EDDY/NM

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleate 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.)

Skid Sundry  
Attention Long Vo

WPX Energy Permian, LLC respectfully request to skid over from the original permitted SHL location of 437 FNL, 1927 FWL, SEC 26-26S-29E and re-drill the approved subject wellbore in a different SHL due to pressures and a 4-string casing design change. The new SHL will be 407 FNL, 1929 FWL, SEC 26-26S-29E. The new well name will be Steel Guitar 35-26 Fed Com 423H and have a separate API. We request the original well associated with API 30-015-49852 to have a well name change to Steel Guitar 35-26 Fed Com 423Y. Please see the attached new plat, drill plan, and directional.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) CHELSEY GREEN / Ph: (405) 228-8595

Title Regulatory Compliance Professional

Signature (Electronic Submission)

Date 02/05/2024

THE SPACE FOR FEDERAL OR STATE OFFICE 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 of this form to U.S. Department of the Interior, Bureau of Land 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

### Location of Well

0. SHL: NENW / 437 FNL / 1927 FWL / TWSP: 26S / RANGE: 29E / SECTION: 26 / LAT: 32.0185694 / LONG: -103.9565076 ( TVD: 0 feet, MD: 0 feet )

PPP: NENW / 100 FNL / 2410 FWL / TWSP: 26S / RANGE: 29E / SECTION: 26 / LAT: 32.0195253 / LONG: -103.9553418 ( TVD: 9958 feet, MD: 10000 feet )

PPP: NESW / 2582 FSL / 2290 FWL / TWSP: 26S / RANGE: 29E / SECTION: 26 / LAT: 32.013123 / LONG: -103.9557504 ( TVD: 10327 feet, MD: 12500 feet )

BHL: LOT 10 / 1794 FNL / 2040 FWL / TWSP: 26S / RANGE: 29E / SECTION: 35 / LAT: 32.0002414 / LONG: -103.9565709 ( TVD: 10327 feet, MD: 17193 feet )

CONFIDENTIAL



TECHNICAL DATA SHEET

Connection: **VAroughneck SC**

Size: 5 1/2 in X 20.00 lb/ft

Drift: standard

Bevel: standard

Grade: **VA-EP-P110**

Material:

Yield Strength Min.	125,000 psi	Metric	862 Mpa
Yield Strength Max.	140,000 psi		965 Mpa
Tensile Strength Min.	125,000 psi		862 Mpa

Pipe:

US Customary		Metric	US Customary		Metric
Nominal OD:	5.500 in	139.70 mm	Wall Thickness:	0.361 in	9.17 mm
Nominal ID:	4.778 in	121.36 mm	Standard Drift:	4.653 in	118.19 mm
Nominal Weight:	20.00 lb/ft	30.07 kg/m	Pipe Body Yield Strength:	729 klb	3,240 kN
Pipe Cross Section:	5.828 in <sup>2</sup>	3,759.99 mm <sup>2</sup>			

Connection:

US Customary		Metric	US Customary		Metric
OD:	6.051 in	153.70 mm	Threads per inch:	5	Threads
ID:	4.764 in	121.00 mm			
Length:	8.976 in	228.00 mm			

Connection Performance (Uniaxial Load):

US Customary		Metric	US Customary		Metric
Joint Strength:	729 klb	3,240 kN	Tension Efficiency:	> 100.0 %	
Collapse Resistance:	13,300 psi	91.70 Mpa	Displacement:	1.240 gal/ft	15.40 l/m
Internal Yield Pressure:	14,360 psi	99.00 Mpa	Production:	0.932 gal/ft	11.57 l/m
Load on Coupling Face:	411 klb	1,830 kN			

Field Make Up (Friction Factor = 1.0):

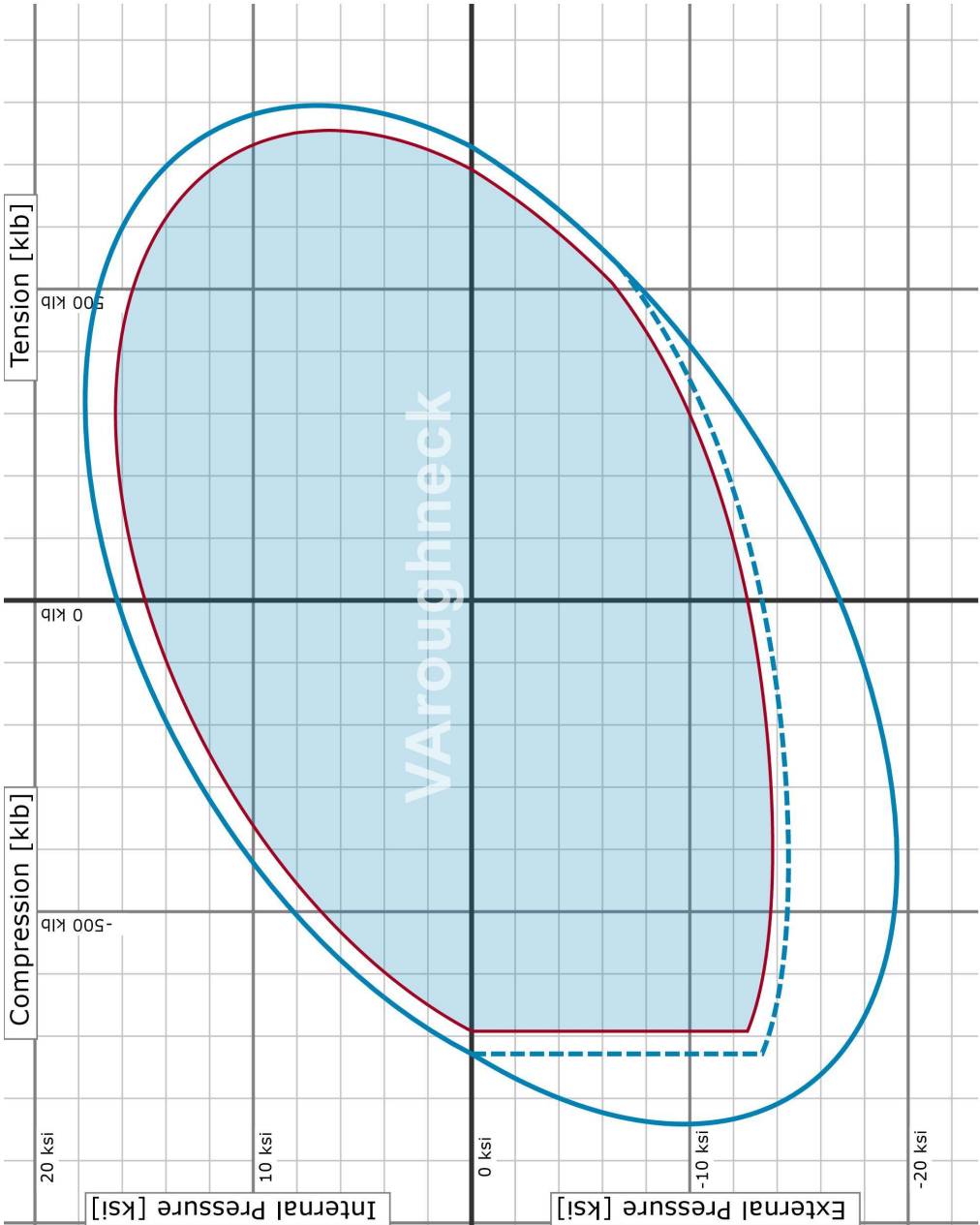
US Customary		Metric	US Customary		Metric
Minimum Torque:	15,820 ft.lb	21,450 Nm	Make-Up Loss:	4.370 in	111.00 mm
Optimum Torque:	17,580 ft.lb	23,835 Nm	Yield Torque:	22,000 ft.lb	29,800 Nm
Maximum Torque:	19,340 ft.lb	26,220 Nm			
Min. Torque on Shoulder:	%				



Created on 25.04.2023

voestalpine Tubulars GmbH & Co KG

LOAD ENVELOPE



Recommended Field of Application

- Pipe Body Envelope
- - - Pipe Body Collapse

Efficiency (% Pipe Body) under Uniaxial Loads	
Tension:	100.0 %
Compression:	100.0 %
Internal Pressure:	100.0 %
External Pressure:	100.0 %

Sealability Rating (% Efficiency) under Combined Loads	
Tension:	100.0 %
Compression:	100.0 %
Internal Pressure:	100.0 %
External Pressure:	100.0 %

Test Conditions	
Test Medium:	Fluid
Von Mises Envelope:	95.0 %
Bending:	20.00 °/100ft

The graph is calculated under consideration of the requirements of EN ISO 13679 and API 5C3. The combined loads are calculated without the consideration of wall thickness tolerances and differ from the values in the data sheet, which are calculated with tolerances determined by API. Any printout is NOT SUBJECT TO REGULAR REVISION. The generated performance envelope shall solely be used as a tool to facilitate the comparison of performance properties under combined loads, of different grades, sizes and connections of voestalpine Tubulars products. Field-specific safety/design factors as well as other loads are not considered. Thus the results shall by no means be used to replace the own string design engineering or to justify any warranty/guaranty cases.

STEEL GUITAR 35-26 FED COM 423H

1. Geologic Formations

TVD of target	10246	Pilot hole depth	N/A
MD at TD:	17108	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	386		
Salt	1261		
Base of Salt	2967		
Delaware	2967		
Cherry Canyon	4007		
Brushy Canyon	5096		
1st Bone Spring Lime	6701		
Bone Spring 1st	7627		
Bone Spring 2nd	8224		
3rd Bone Spring Lime	8687		
Bone Spring 3rd	9527		
Wolfcamp	9839		

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

## STEEL GUITAR 35-26 FED COM 423H

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

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Top (MD)	Bottom (MD)	Top (TVD)	Bottom (TVD)
17 1/2	13 3/8	54.5	J-55	BTC	0.0	460 MD	0	460 TVD
12 1/4	9 5/8	40.0	J-55	BTC	0.0	3100 MD	0	3100 TVD
8 3/4	7 5/8	29.7	P110 HSCY	MO-FXL	0	9602 MD	0	9602 TVD
6 3/4	5 1/2	20.0	P110 & VA-EP-P110	Sprint FJ & Varn	0	17108 MD	0	10246 TVD

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

• Surface shoe must be set 70' into Rustler Formation: ROP will be the primary indicator of Rustler Depth

\*\* Intermediate 1 shoe depth for all wells will be 100' MD above KOP

o 5-1/2" Production Casing will include Sprint Flush Joint connection (5.783") from base of curve and 500ft into 7-5/8" casing shoe

o All other 5-1/2" Production Casing will run Varn (6.05")

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

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	371	Surf	13.2	1.44	Lead: Class C Cement + additives
Int	317	Surf	9	3.27	Lead: Class C Cement + additives
	154	2600	13.2	1.44	Tail: Class H / C + additives
Int 1	166	3100	9	3.27	Lead: Class C Cement + additives
	416	5096	13.2	1.44	Tail: Class H / C + additives
Production	62	7716	9	3.27	Lead: Class H /C + additives
	472	9716	13.2	1.44	Tail: Class H / C + additives

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

STEEL GUITAR 35-26 FED COM 423H

## STEEL GUITAR 35-26 FED COM 423H

## 4. Pressure Control Equipment (Four String Design)

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

## STEEL GUITAR 35-26 FED COM 423H

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

Section	Type	Weight (ppg)
Surface	WBM	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Intermediate 1	WBM	8.5-9
Production	OBM	10-10.5

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

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

**6. Logging and Testing Procedures**

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

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

**7. Drilling Conditions**

Condition	Specify what type and where?
BH pressure at deepest TVD	5594
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 43 CFR 3176. 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.

## STEEL GUITAR 35-26 FED COM 423H

**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 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

Issued on: 08 Jul. 2020 by Wesley Ott

VAM® SPRINT-SF  
Connection Data Sheet

OD	Weight	Wall Th.	Grade	API Drift:	Connection
5 1/2 in.	20.00 lb/ft	0.361 in.	P110EC	4.653 in.	VAM® SPRINT-SF

PIPE PROPERTIES		
Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Cross Section Area	5.828	sqin.
Grade Type	High Yield	
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Ultimate Tensile Strength	135	ksi

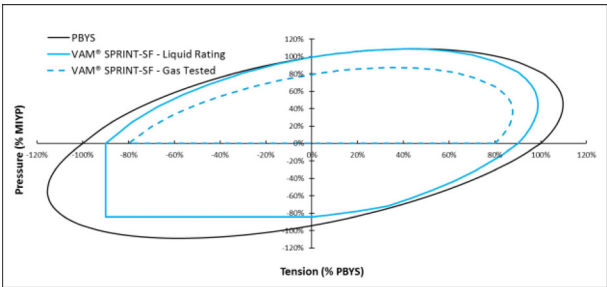
CONNECTION PROPERTIES		
Connection Type	Semi-Premium Integral Semi-Flush	
Connection OD (nom):	5.783	in.
Connection ID (nom):	4.717	in.
Make-Up Loss	5.965	in.
Critical Cross Section	5.244	sqin.
Tension Efficiency	90.0	% of pipe
Compression Efficiency	90.0	% of pipe
Internal Pressure Efficiency	100	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCES		
Tensile Yield Strength	656	klb
Compression Resistance	656	klb
Internal Yield Pressure	14,360	psi
Collapse Resistance	12,080	psi
Max. Structural Bending	89	°/100ft
Max. Bending with ISO/API Sealability	30	°/100ft

TORQUE VALUES		
Min. Make-up torque	20,000	ft.lb
Opt. Make-up torque	22,500	ft.lb
Max. Make-up torque	25,000	ft.lb
Max. Torque with Sealability (MTS)	40,000	ft.lb

\* 87.5% RBW

VAM® SPRINT-SF is a semi-flush connection innovatively designed for extreme shale applications. Its high tension rating and ultra high torque capacity make it ideal to run a fill string length as production casing in shale wells with extended horizontal sections and tight clearance requirements.



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

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





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District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-54704</b>	<sup>2</sup> Pool Code <b>98220</b>	<sup>3</sup> Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
<sup>4</sup> Property Code <b>333183</b>	<sup>5</sup> Property Name <b>STEEL GUITAR 35-26 FED COM</b>	
<sup>7</sup> OGRID No. <b>246289</b>	<sup>8</sup> Operator Name <b>WPX ENERGY PERMIAN, LLC</b>	<sup>6</sup> Well Number <b>423H</b>
		<sup>9</sup> Elevation <b>2889.1</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>C</b>	<b>26</b>	<b>26 S</b>	<b>29 E</b>		<b>407</b>	<b>NORTH</b>	<b>1929</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>10</b>	<b>35</b>	<b>26 S</b>	<b>29 E</b>		<b>1745</b>	<b>NORTH</b>	<b>1890</b>	<b>WEST</b>	<b>EDDY</b>
<sup>12</sup> Dedicated Acres <b>862.40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

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

	<p><b>STEEL GUITAR 35-26 FED COM 423H</b> EL. = 2889.1</p> <p>GEODETTIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION N. = 370744.98 E. = 657991.31 LAT. = 32.0186995°N LONG. = 103.9569410°W</p> <p>KICK OFF POINT CALLS <u>61 FNL, 1891 FWL</u> N. = 371091 E. = 657970 LAT. = 32.0196 LONG. = 103.9571</p> <p>FIRST TAKE POINT (PPP 1) 100' FNL, 1890' FWL N. = 371052.09 E. = 657966.61 LAT. = 32.0195440°N LONG. = 103.9570173°W</p> <p>LAST TAKE POINT 1745' FNL, 1890' FWL N. = 364079.08 E. = 657730.24 LAT. = 32.0003778°N LONG. = 103.9578581°W</p> <p>BOTTOM OF HOLE 1795' FNL, 1890' FWL N. = 364029.09 E. = 657730.38 LAT. = 32.0002404°N LONG. = 103.9578582°W</p> <p>PPP 2 2666' FNL, 1921' FWL N. = 368487.66 E. = 657879.68 LAT. = 32.0124953°N LONG. = 103.9573265°W</p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Chelsey Green</i> 02/01/2024 Signature Date</p> <p>Chelsey Green Printed Name</p> <p>chelsey.green@dvn.com E-mail Address</p>																						
	<p>CORNER COORDINATES TABLE NAD 83 NMSP EAST</p> <table border="1"> <tr> <td>A - N. = 371124.47</td> <td>E. = 661488.25</td> </tr> <tr> <td>B - N. = 371145.53</td> <td>E. = 658783.63</td> </tr> <tr> <td>C - N. = 371167.17</td> <td>E. = 656080.31</td> </tr> <tr> <td>D - N. = 368499.89</td> <td>E. = 655958.09</td> </tr> <tr> <td>E - N. = 365834.55</td> <td>E. = 655835.64</td> </tr> <tr> <td>F - N. = 363972.11</td> <td>E. = 655840.95</td> </tr> <tr> <td>G - N. = 363981.73</td> <td>E. = 658439.51</td> </tr> <tr> <td>H - N. = 363992.48</td> <td>E. = 661079.59</td> </tr> <tr> <td>I - N. = 365804.56</td> <td>E. = 661197.19</td> </tr> <tr> <td>J - N. = 368465.62</td> <td>E. = 661343.00</td> </tr> <tr> <td>K - N. = 365819.76</td> <td>E. = 658515.96</td> </tr> </table> <p>LEGEND --- SECTION LINE --- QUARTER LINE --- LEASE LINE --- WELL PATH</p>	A - N. = 371124.47	E. = 661488.25	B - N. = 371145.53	E. = 658783.63	C - N. = 371167.17	E. = 656080.31	D - N. = 368499.89	E. = 655958.09	E - N. = 365834.55	E. = 655835.64	F - N. = 363972.11	E. = 655840.95	G - N. = 363981.73	E. = 658439.51	H - N. = 363992.48	E. = 661079.59	I - N. = 365804.56	E. = 661197.19	J - N. = 368465.62	E. = 661343.00	K - N. = 365819.76	E. = 658515.96	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JANUARY 31, 2024</p> <p>Date of Survey</p> <p><i>Michael F. Jaramila</i> Signature and Seal of Professional Surveyor: </p> <p>Certificate Number: 12797 Surveyor No. 9858B</p>
A - N. = 371124.47	E. = 661488.25																							
B - N. = 371145.53	E. = 658783.63																							
C - N. = 371167.17	E. = 656080.31																							
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J - N. = 368465.62	E. = 661343.00																							
K - N. = 365819.76	E. = 658515.96																							

Intent ☒ As Drilled ☐

API #		
Operator Name: WPX ENERGY PERMIAN, LLC	Property Name: STEEL GUITAR 35-26 FED COM	Well Number 423H

## Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	26	26S	29E		61	NORTH	1891	WEST	EDDY
Latitude 32.0196					Longitude -103.9571				NAD 83

## First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	26	26S	29E		100	NORTH	1890	WEST	EDDY
Latitude 32.0195440					Longitude 103.9570173				NAD 83

## Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	35	26S	29E	10	1745	NORTH	1890	WEST	EDDY
Latitude 32.0003778					Longitude 103.9578581				NAD 83

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

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

API #		
Operator Name:	Property Name:	Well Number

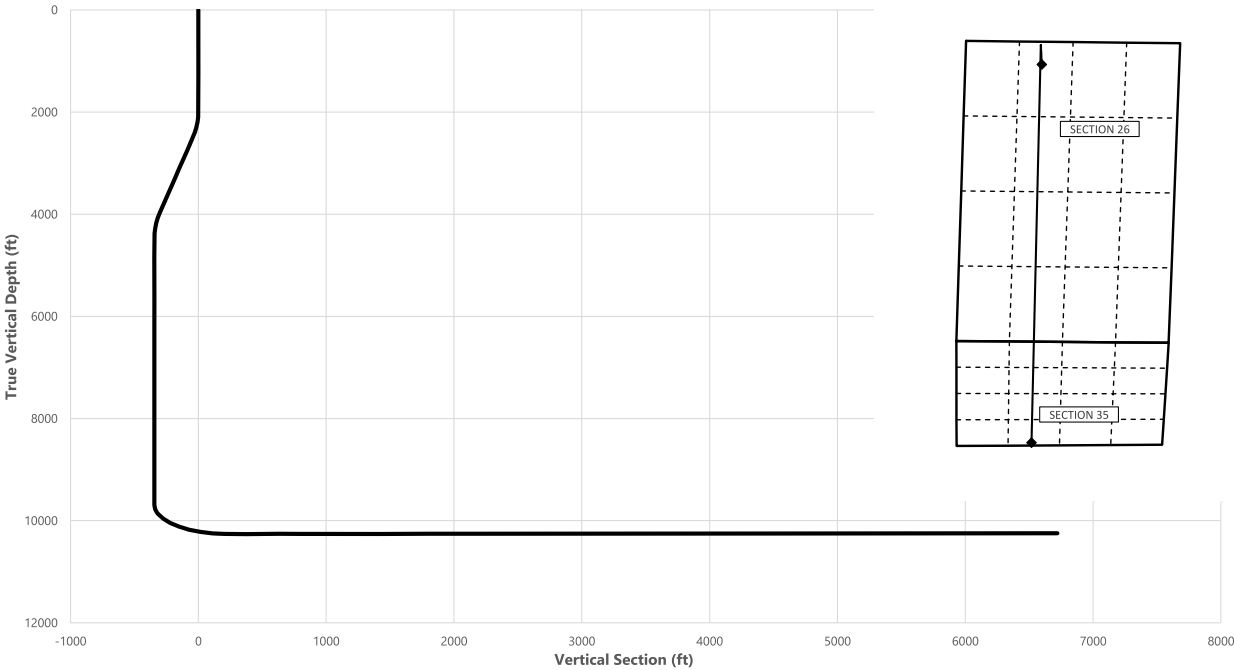
KZ 06/29/2018



Well: STEEL GUITAR 35-26 FED COM 423H  
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	356.40	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	356.40	2497.47	43.44	-2.73	-43.30	2.00	Hold Tangent
3992.79	10.00	356.40	3967.57	302.14	-19.01	-301.18	0.00	Drop to Vertical
4492.79	0.00	356.40	4465.04	345.58	-21.74	-344.48	2.00	Hold Vertical
9715.79	0.00	181.94	9688.04	345.58	-21.74	-344.48	0.00	KOP
10617.12	90.13	181.94	10261.00	-228.37	-41.18	229.80	10.00	Landing Point
17108.37	90.13	181.94	10246.00	-6715.89	-260.93	6720.96	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	386.00	386.00
Salt	1261.00	1261.00
Base of Salt	2976.78	2967.00
Delaware	2976.78	2967.00
Cherry Canyon	4032.77	4007.00
Brushy Canyon	5123.75	5096.00
1st Bone Spring Lime	6728.75	6701.00
Bone Spring 1st	7654.75	7627.00
Bone Spring 2nd	8251.75	8224.00
3rd Bone Spring Lime	8714.75	8687.00
Bone Spring 3rd	9554.75	9527.00
Wolfcamp / Point of Penetration	9868.55	9839.00
exit	17028.37	10246.19

SHL  
KOP  
Point of Penetration  
Exit  
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.0186	-103.9570	407' FNL, 1929' FWL of Sec 26 in T26S, R29E
9715.79	9688.04	32.0196	-103.9571	61' FNL, 1891' FWL of Sec 26 in T26S, R29E
9868.55	9839.00	32.0195	-103.9570	100' FNL, 1890' FWL of Sec 26 in T26S, R29E
17028.37	10246.19	32.0004	-103.9579	1744' FNL, 1890' FWL of Sec 35 in T26S, R29E
17108.37	10246.00	32.0001	-103.9579	1794' FNL, 1890' FWL of Sec 35 in T26S, R29E

	Y	X	MD
KOP	371091	657970	9715.79

STEEL GUITAR 35-26 FED COM 423H



Well: STEEL GUITAR 35-26 FED COM 423H  
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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	356.40	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	356.40	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	356.40	300.00	0.00	0.00	0.00	0.00	
386.00	0.00	356.40	386.00	0.00	0.00	0.00	0.00	Rustler
400.00	0.00	356.40	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	356.40	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	356.40	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	356.40	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	356.40	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	356.40	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	356.40	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	356.40	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	356.40	1200.00	0.00	0.00	0.00	0.00	
1261.00	0.00	356.40	1261.00	0.00	0.00	0.00	0.00	Salt
1300.00	0.00	356.40	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	356.40	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	356.40	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	356.40	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	356.40	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	356.40	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	356.40	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	356.40	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	356.40	2099.98	1.74	-0.11	-1.74	2.00	
2200.00	4.00	356.40	2199.84	6.96	-0.44	-6.94	2.00	
2300.00	6.00	356.40	2299.45	15.66	-0.99	-15.61	2.00	
2400.00	8.00	356.40	2398.70	27.82	-1.75	-27.74	2.00	
2500.00	10.00	356.40	2497.47	43.44	-2.73	-43.30	2.00	Hold Tangent
2600.00	10.00	356.40	2595.95	60.77	-3.82	-60.57	0.00	
2700.00	10.00	356.40	2694.43	78.10	-4.91	-77.85	0.00	
2800.00	10.00	356.40	2792.91	95.43	-6.00	-95.12	0.00	
2900.00	10.00	356.40	2891.39	112.76	-7.09	-112.40	0.00	
2976.78	10.00	356.40	2967.00	126.06	-7.93	-125.66	0.00	Base of Salt, Delaware
3000.00	10.00	356.40	2989.87	130.09	-8.18	-129.67	0.00	
3100.00	10.00	356.40	3088.35	147.42	-9.28	-146.95	0.00	
3200.00	10.00	356.40	3186.83	164.75	-10.37	-164.22	0.00	
3300.00	10.00	356.40	3285.31	182.08	-11.46	-181.50	0.00	
3400.00	10.00	356.40	3383.79	199.41	-12.55	-198.77	0.00	
3500.00	10.00	356.40	3482.27	216.74	-13.64	-216.05	0.00	
3600.00	10.00	356.40	3580.75	234.07	-14.73	-233.32	0.00	
3700.00	10.00	356.40	3679.23	251.40	-15.82	-250.60	0.00	
3800.00	10.00	356.40	3777.72	268.73	-16.91	-267.87	0.00	
3900.00	10.00	356.40	3876.20	286.06	-18.00	-285.15	0.00	
3992.79	10.00	356.40	3967.57	302.14	-19.01	-301.18	0.00	Drop to Vertical
4000.00	9.86	356.40	3974.68	303.39	-19.09	-302.42	2.00	
4032.77	9.20	356.40	4007.00	308.80	-19.43	-307.81	2.00	Cherry Canyon
4100.00	7.86	356.40	4073.48	318.75	-20.05	-317.73	2.00	
4200.00	5.86	356.40	4172.76	330.66	-20.80	-329.61	2.00	
4300.00	3.86	356.40	4272.40	339.11	-21.34	-338.03	2.00	
4400.00	1.86	356.40	4372.27	344.08	-21.65	-342.98	2.00	
4492.79	0.00	356.40	4465.04	345.58	-21.74	-344.48	2.00	Hold Vertical
4500.00	0.00	181.94	4472.25	345.58	-21.74	-344.48	0.00	
4600.00	0.00	181.94	4572.25	345.58	-21.74	-344.48	0.00	
4700.00	0.00	181.94	4672.25	345.58	-21.74	-344.48	0.00	
4800.00	0.00	181.94	4772.25	345.58	-21.74	-344.48	0.00	
4900.00	0.00	181.94	4872.25	345.58	-21.74	-344.48	0.00	
5000.00	0.00	181.94	4972.25	345.58	-21.74	-344.48	0.00	
5100.00	0.00	181.94	5072.25	345.58	-21.74	-344.48	0.00	
5123.75	0.00	181.94	5096.00	345.58	-21.74	-344.48	0.00	Brushy Canyon
5200.00	0.00	181.94	5172.25	345.58	-21.74	-344.48	0.00	
5300.00	0.00	181.94	5272.25	345.58	-21.74	-344.48	0.00	
5400.00	0.00	181.94	5372.25	345.58	-21.74	-344.48	0.00	
5500.00	0.00	181.94	5472.25	345.58	-21.74	-344.48	0.00	
5600.00	0.00	181.94	5572.25	345.58	-21.74	-344.48	0.00	
5700.00	0.00	181.94	5672.25	345.58	-21.74	-344.48	0.00	
5800.00	0.00	181.94	5772.25	345.58	-21.74	-344.48	0.00	
5900.00	0.00	181.94	5872.25	345.58	-21.74	-344.48	0.00	
6000.00	0.00	181.94	5972.25	345.58	-21.74	-344.48	0.00	
6100.00	0.00	181.94	6072.25	345.58	-21.74	-344.48	0.00	
6200.00	0.00	181.94	6172.25	345.58	-21.74	-344.48	0.00	

STEEL GUITAR 35-26 FED COM 423H



Well: STEEL GUITAR 35-26 FED COM 423H  
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)	
6300.00	0.00	181.94	6272.25	345.58	-21.74	-344.48	0.00	
6400.00	0.00	181.94	6372.25	345.58	-21.74	-344.48	0.00	
6500.00	0.00	181.94	6472.25	345.58	-21.74	-344.48	0.00	
6600.00	0.00	181.94	6572.25	345.58	-21.74	-344.48	0.00	
6700.00	0.00	181.94	6672.25	345.58	-21.74	-344.48	0.00	
6728.75	0.00	181.94	6701.00	345.58	-21.74	-344.48	0.00	1st Bone Spring Lime
6800.00	0.00	181.94	6772.25	345.58	-21.74	-344.48	0.00	
6900.00	0.00	181.94	6872.25	345.58	-21.74	-344.48	0.00	
7000.00	0.00	181.94	6972.25	345.58	-21.74	-344.48	0.00	
7100.00	0.00	181.94	7072.25	345.58	-21.74	-344.48	0.00	
7200.00	0.00	181.94	7172.25	345.58	-21.74	-344.48	0.00	
7300.00	0.00	181.94	7272.25	345.58	-21.74	-344.48	0.00	
7400.00	0.00	181.94	7372.25	345.58	-21.74	-344.48	0.00	
7500.00	0.00	181.94	7472.25	345.58	-21.74	-344.48	0.00	
7600.00	0.00	181.94	7572.25	345.58	-21.74	-344.48	0.00	
7654.75	0.00	181.94	7627.00	345.58	-21.74	-344.48	0.00	Bone Spring 1st
7700.00	0.00	181.94	7672.25	345.58	-21.74	-344.48	0.00	
7800.00	0.00	181.94	7772.25	345.58	-21.74	-344.48	0.00	
7900.00	0.00	181.94	7872.25	345.58	-21.74	-344.48	0.00	
8000.00	0.00	181.94	7972.25	345.58	-21.74	-344.48	0.00	
8100.00	0.00	181.94	8072.25	345.58	-21.74	-344.48	0.00	
8200.00	0.00	181.94	8172.25	345.58	-21.74	-344.48	0.00	
8251.75	0.00	181.94	8224.00	345.58	-21.74	-344.48	0.00	Bone Spring 2nd
8300.00	0.00	181.94	8272.25	345.58	-21.74	-344.48	0.00	
8400.00	0.00	181.94	8372.25	345.58	-21.74	-344.48	0.00	
8500.00	0.00	181.94	8472.25	345.58	-21.74	-344.48	0.00	
8600.00	0.00	181.94	8572.25	345.58	-21.74	-344.48	0.00	
8700.00	0.00	181.94	8672.25	345.58	-21.74	-344.48	0.00	
8714.75	0.00	181.94	8687.00	345.58	-21.74	-344.48	0.00	3rd Bone Spring Lime
8800.00	0.00	181.94	8772.25	345.58	-21.74	-344.48	0.00	
8900.00	0.00	181.94	8872.25	345.58	-21.74	-344.48	0.00	
9000.00	0.00	181.94	8972.25	345.58	-21.74	-344.48	0.00	
9100.00	0.00	181.94	9072.25	345.58	-21.74	-344.48	0.00	
9200.00	0.00	181.94	9172.25	345.58	-21.74	-344.48	0.00	
9300.00	0.00	181.94	9272.25	345.58	-21.74	-344.48	0.00	
9400.00	0.00	181.94	9372.25	345.58	-21.74	-344.48	0.00	
9500.00	0.00	181.94	9472.25	345.58	-21.74	-344.48	0.00	
9554.75	0.00	181.94	9527.00	345.58	-21.74	-344.48	0.00	Bone Spring 3rd
9600.00	0.00	181.94	9572.25	345.58	-21.74	-344.48	0.00	
9700.00	0.00	181.94	9672.25	345.58	-21.74	-344.48	0.00	
9715.79	0.00	181.94	9688.04	345.58	-21.74	-344.48	0.00	KOP
9800.00	8.42	181.94	9771.95	339.41	-21.95	-338.30	10.00	
9868.55	15.28	181.94	9839.00	325.35	-22.43	-324.23	10.00	Wolfcamp / Point of Penetration
9900.00	18.42	181.94	9869.09	316.24	-22.74	-315.12	10.00	
10000.00	28.42	181.94	9960.74	276.57	-24.08	-275.42	10.00	
10100.00	38.42	181.94	10044.10	221.59	-25.94	-220.41	10.00	
10200.00	48.42	181.94	10116.64	152.98	-28.27	-151.77	10.00	
10300.00	58.42	181.94	10176.16	72.82	-30.98	-71.57	10.00	
10400.00	68.42	181.94	10220.84	-16.44	-34.00	17.75	10.00	
10500.00	78.42	181.94	10249.34	-112.11	-37.24	113.47	10.00	
10600.00	88.42	181.94	10260.78	-211.27	-40.60	212.68	10.00	
10617.12	90.13	181.94	10261.00	-228.37	-41.18	229.80	10.00	Landing Point
10700.00	90.13	181.94	10260.81	-311.21	-43.99	312.68	0.00	
10800.00	90.13	181.94	10260.58	-411.15	-47.37	412.68	0.00	
10900.00	90.13	181.94	10260.35	-511.09	-50.76	512.68	0.00	
11000.00	90.13	181.94	10260.12	-611.04	-54.14	612.68	0.00	
11100.00	90.13	181.94	10259.88	-710.98	-57.53	712.68	0.00	
11200.00	90.13	181.94	10259.65	-810.92	-60.91	812.67	0.00	
11300.00	90.13	181.94	10259.42	-910.86	-64.30	912.67	0.00	
11400.00	90.13	181.94	10259.19	-1010.81	-67.68	1012.67	0.00	
11500.00	90.13	181.94	10258.96	-1110.75	-71.07	1112.67	0.00	
11600.00	90.13	181.94	10258.73	-1210.69	-74.45	1212.67	0.00	
11700.00	90.13	181.94	10258.50	-1310.63	-77.84	1312.67	0.00	
11800.00	90.13	181.94	10258.27	-1410.57	-81.22	1412.66	0.00	
11900.00	90.13	181.94	10258.04	-1510.52	-84.61	1512.66	0.00	
12000.00	90.13	181.94	10257.81	-1610.46	-87.99	1612.66	0.00	
12100.00	90.13	181.94	10257.58	-1710.40	-91.38	1712.66	0.00	
12200.00	90.13	181.94	10257.34	-1810.34	-94.76	1812.66	0.00	
12300.00	90.13	181.94	10257.11	-1910.29	-98.15	1912.66	0.00	
12400.00	90.13	181.94	10256.88	-2010.23	-101.53	2012.66	0.00	



Well: STEEL GUITAR 35-26 FED COM 423H  
County: Eddy  
Wellbore: Permit Plan  
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Geodetic System: US State Plane 1983  
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Ellipsoid: Clarke 1866  
Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
12500.00	90.13	181.94	10256.65	-2110.17	-104.92	2112.65	0.00	
12600.00	90.13	181.94	10256.42	-2210.11	-108.30	2212.65	0.00	
12700.00	90.13	181.94	10256.19	-2310.06	-111.69	2312.65	0.00	
12800.00	90.13	181.94	10255.96	-2410.00	-115.07	2412.65	0.00	
12900.00	90.13	181.94	10255.73	-2509.94	-118.46	2512.65	0.00	
13000.00	90.13	181.94	10255.50	-2609.88	-121.84	2612.65	0.00	
13100.00	90.13	181.94	10255.27	-2709.83	-125.23	2712.65	0.00	
13200.00	90.13	181.94	10255.04	-2809.77	-128.61	2812.64	0.00	
13300.00	90.13	181.94	10254.80	-2909.71	-132.00	2912.64	0.00	
13400.00	90.13	181.94	10254.57	-3009.65	-135.38	3012.64	0.00	
13500.00	90.13	181.94	10254.34	-3109.60	-138.77	3112.64	0.00	
13600.00	90.13	181.94	10254.11	-3209.54	-142.15	3212.64	0.00	
13700.00	90.13	181.94	10253.88	-3309.48	-145.54	3312.64	0.00	
13800.00	90.13	181.94	10253.65	-3409.42	-148.92	3412.63	0.00	
13900.00	90.13	181.94	10253.42	-3509.37	-152.31	3512.63	0.00	
14000.00	90.13	181.94	10253.19	-3609.31	-155.69	3612.63	0.00	
14100.00	90.13	181.94	10252.96	-3709.25	-159.08	3712.63	0.00	
14200.00	90.13	181.94	10252.73	-3809.19	-162.46	3812.63	0.00	
14300.00	90.13	181.94	10252.49	-3909.14	-165.85	3912.63	0.00	
14400.00	90.13	181.94	10252.26	-4009.08	-169.23	4012.63	0.00	
14500.00	90.13	181.94	10252.03	-4109.02	-172.62	4112.62	0.00	
14600.00	90.13	181.94	10251.80	-4208.96	-176.00	4212.62	0.00	
14700.00	90.13	181.94	10251.57	-4308.91	-179.39	4312.62	0.00	
14800.00	90.13	181.94	10251.34	-4408.85	-182.77	4412.62	0.00	
14900.00	90.13	181.94	10251.11	-4508.79	-186.16	4512.62	0.00	
15000.00	90.13	181.94	10250.88	-4608.73	-189.54	4612.62	0.00	
15100.00	90.13	181.94	10250.65	-4708.67	-192.93	4712.62	0.00	
15200.00	90.13	181.94	10250.42	-4808.62	-196.31	4812.61	0.00	
15300.00	90.13	181.94	10250.19	-4908.56	-199.70	4912.61	0.00	
15400.00	90.13	181.94	10249.95	-5008.50	-203.08	5012.61	0.00	
15500.00	90.13	181.94	10249.72	-5108.44	-206.47	5112.61	0.00	
15600.00	90.13	181.94	10249.49	-5208.39	-209.85	5212.61	0.00	
15700.00	90.13	181.94	10249.26	-5308.33	-213.24	5312.61	0.00	
15800.00	90.13	181.94	10249.03	-5408.27	-216.62	5412.60	0.00	
15900.00	90.13	181.94	10248.80	-5508.21	-220.01	5512.60	0.00	
16000.00	90.13	181.94	10248.57	-5608.16	-223.39	5612.60	0.00	
16100.00	90.13	181.94	10248.34	-5708.10	-226.78	5712.60	0.00	
16200.00	90.13	181.94	10248.11	-5808.04	-230.16	5812.60	0.00	
16300.00	90.13	181.94	10247.88	-5907.98	-233.55	5912.60	0.00	
16400.00	90.13	181.94	10247.65	-6007.93	-236.93	6012.60	0.00	
16500.00	90.13	181.94	10247.41	-6107.87	-240.32	6112.59	0.00	
16600.00	90.13	181.94	10247.18	-6207.81	-243.70	6212.59	0.00	
16700.00	90.13	181.94	10246.95	-6307.75	-247.09	6312.59	0.00	
16800.00	90.13	181.94	10246.72	-6407.70	-250.47	6412.59	0.00	
16900.00	90.13	181.94	10246.49	-6507.64	-253.86	6512.59	0.00	
17000.00	90.13	181.94	10246.26	-6607.58	-257.24	6612.59	0.00	
17028.37	90.13	181.94	10246.19	-6635.94	-258.21	6640.96	0.00	exit
17100.00	90.13	181.94	10246.03	-6707.52	-260.63	6712.58	0.00	
17108.37	90.13	181.94	10246.00	-6715.89	-260.93	6720.96	0.00	BHL



9.625"    40#    .395"    J-55

**Dimensions (Nominal)**


Outside Diameter	9.625	in.
Wall	0.395	in.
Inside Diameter	8.835	in.
Drift	8.750	in.
Weight, T&C	40.000	lbs./ft.
Weight, PE	38.970	lbs./ft.

**Performance Properties**

Collapse, PE	2570	psi
Internal Yield Pressure at Minimum Yield		
PE	3950	psi
LTC	3950	psi
BTC	3950	psi
Yield Strength, Pipe Body	630	1000 lbs.
Joint Strength		
STC	452	1000 lbs.
LTC	520	1000 lbs.
BTC	714	1000 lbs.

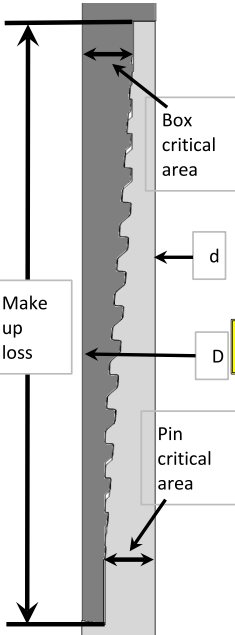
Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.



<b>Metal One Corp.</b>  	<b>MO-FXL</b>  <b>*1 Pipe Body: BMP P110HSCY MinYS125ksi</b> <b>Min95%WT</b>  <b>Connection Data Sheet</b>	CDS#  Date	MO-FXL 7-5/8 29.7 P110HSCY MinYS125ksi Min95%WT 20-Sep-23
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**MO-FXL**



Geometry	Imperial		S.I.	
<b>Pipe Body</b>				
Grade *	P110HSCY		P110HSCY	
Pipe OD ( D )	7 5/8	in	193.68	mm
Weight	29.70	lb/ft	44.25	kg/m
Actual weight	29.04		43.26	kg/m
Wall Thickness ( t )	0.375	in	9.53	mm
Pipe ID ( d )	6.875	in	174.63	mm
Pipe body cross section	8.541	in <sup>2</sup>	5,510	mm <sup>2</sup>
Drift Dia.	6.750	in	171.45	mm

<b>Connection</b>				
Box OD ( W )	7.625	in	193.68	mm
PIN ID	6.875	in	174.63	mm
Make up Loss	4.219	in	107.16	mm
Box Critical Area	5.714	in <sup>2</sup>	3686	mm <sup>2</sup>
Joint load efficiency	70	%	70	%
Thread Taper	1 / 10 ( 1.2" per ft )			
Number of Threads	5 TPI			

<b>Performance</b>				
<b>Performance Properties for Pipe Body</b>				
S.M.Y.S. *1	1,068	kips	4,749	kN
M.I.Y.P. *1	11,680	psi	80.55	MPa
Collapse Strength *1	7,200	psi	49.66	MPa
Note S.M.Y.S.= Specified Minimum YIELD Strength of Pipe body M.I.Y.P. = Minimum Internal Yield Pressure of Pipe body * BMP P110HSCY: MinYS125ksi, Min95%WT, Collapse Strength 7,200psi Performance Data Sheet: 7.625" 29.7lb/ft P110HSCY Rev3, dated 9/19/2023				
<b>Performance Properties for Connection</b>				
Tensile Yield load	747 kips ( 70% of S.M.Y.S. )			
Min. Compression Yield	747 kips ( 70% of S.M.Y.S. )			
Internal Pressure	9,340 psi ( 80% of M.I.Y.P. )			
External Pressure	100% of Collapse Strength			
Max. DLS ( deg. /100ft)	30			

<b>Recommended Torque</b>				
Min.	15,500	ft-lb	21,000	N-m
Opti.	17,200	ft-lb	23,300	N-m
Max.	18,900	ft-lb	25,600	N-m
Operational Max.	23,600	ft-lb	32,000	N-m

Note : Operational Max. torque can be applied for high torque application

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The products described in this Connection Data Sheet are not recommended for use in deep water offshore applications. For more information, please refer to [http://www.mtlo.co.jp/mo-con/ images/top/WebsiteTerms\\_Active\\_20333287\\_1.pdf](http://www.mtlo.co.jp/mo-con/ images/top/WebsiteTerms_Active_20333287_1.pdf) the contents of which are incorporated by reference into this Connection Data Sheet.





13-3/8"   54.50#   .380   J-55

**Dimensions (Nominal)**

Outside Diameter	13.375	in.
Wall	0.380	in.
Inside Diameter	12.615	in.
Drift	12.459	in.
Weight, T&C	54.500	lbs/ft
Weight, PE	52.790	lbs/ft

**Performance Ratings, Minimum**

Collapse, PE	1130	psi
Internal Yields Pressure		
PE	2730	psi
STC	2730	PSI
BTC	2730	psi
Yield Strength, Pipe Body	853	1000 lbs
Joint Strength, STC	514	1000 lbs
Joint Strength, BTC	909	1000 lbs

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26-26-29 Sundry ID 2772998 Steel Guitar 35-26 Fed Com 423H

## Steel Guitar 35-26 Fed Com 423H

13 3/8	surface csg in a		17 1/2	inch hole.		Design Factors				Surface		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50		j 55	btc	31.63	4.88	1.61	495	12	2.71	9.22	26,978
"B"				btc				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500								Totals:	495			26,978
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
17 1/2	0.6946	371	534	344	55	9.00	1009	2M				1.56
Site plot (pipe racks 3 or 4) as per D.D.1 ill.D.4-1, not found												

9 5/8	casing inside the		13 3/8	-		Design Factors				Int 1		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00		j 55	btc	5.08	1.52	0.88	3,100	2	1.66	2.55	124,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,412								Totals:	3,100			124,000
The cement volume(s) are intended to achieve a top of								0	ft from surface or 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
12 1/4	0.3132	471	1258	995	26	10.50	2377	3M				0.81
r D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :												26
#VALUE!								471	1258			
Class 'C' tail cmt yld > 1.35												
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.27, b, c, d All > 0.70, OK.												

7 5/8	casing inside the		9 5/8	-		Design Factors				Int 2		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70		p 110	mo-flx	2.30	1.57	1.36	9,602	2	2.27	2.97	285,179
"B"								0				0
"C"								0				0
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,116								Totals:	9,602			285,179
The cement volume(s) are intended to achieve a top of								2900	ft from surface or 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
8 3/4	0.1005	582	1142	675	69	9.00	3335	5M				0.56
Class 'C' tail cmt yld > 1.35												

5 1/2	casing inside the		7 5/8	-		Design Factors				Prod 1		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	VA-EP-P 110		Varn	3.55	2.68	2.57	9,102	3	4.31	4.49	182,040
"B"	20.00	p 110		vam sprint sf	28.02	2.16	2.57	1,515	3	4.31	3.62	30,300
"C"	20.00	VA-EP-P 110		Varn	∞	2.38	2.57	6,491	3	4.31	3.99	129,827
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,002								Totals:	17,108			342,167
The cement volume(s) are intended to achieve a top of								9102	ft from surface or 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
6 3/4	0.0835	534	882	673	31	10.50						0.35
Class 'H' tail cmt yld > 1.20												
Capitan Reef est top XXXX.												

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

CONDITIONS  
  
Action 311497

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 311497
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement does not circulate to surface while cementing any string, then a CBL is required.	2/6/2024