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

Sundry Print Report

04/02/2025

Well Name: STEEL GUITAR 35-26 FED COM

Well Location: T26S / R29E / SEC 26 / NENW / 32.0185919 / -103.9566961

County or Parish/State: EDDY / NM

Well Number: 452H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM19609

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001555822

Operator: WPX ENERGY PERMIAN LLC

Notice of Intent

Sundry ID: 2845099

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/02/2025

Time Sundry Submitted: 11:50

Date proposed operation will begin: 04/03/2025

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to skid over and re-drill the approved subject wellbore in a different SHL due to slot unable to be recovered for 4 string design. The new SHL will be 415' FNL, 2007' FWL, SEC 26-26S-29E. The new BHL will be 1791' FNL, 2338' FWL, SEC 35-26S-29E. The new well name will be Steel Guitar 35-26 Fed Com 452H and have a separate API. We request the original well associated with API 30-015-55822 have a well name change to Steel Guitar 35-26 Fed Com 452Y. Please see the attached new plat, drill plan, and directional.

NOI Attachments

Procedure Description

3160_3_20250402150615.pdf

STEEL_GUITAR_35_26_FED_COM_452H___C102_Signed_04.02.25_20250402135439.pdf

5.5_20lb_P110EC_DWC_C_IS_PLUS_20250402114717.pdf

8.625_32lb_P110EC_SPRINT_FJ_VST_20250402114649.pdf

10.75_45.5lb_J55_BTC_20250402114626.pdf

13.375_54.5lb_J55_20250402114552.pdf

STEEL_GUITAR_WEST_PAD_LAYOUT_20250402114456.pdf

STEEL_GUITAR_35_26_FED_COM_452H_4_2_20250402114446.pdf

Well Name: STEEL GUITAR 35-26 FED COM

Well Location: T26S / R29E / SEC 26 / NENW / 32.0185919 / -103.9566961

County or Parish/State: EDDY / NM

Well Number: 452H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM19609

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001555822

Operator: WPX ENERGY PERMIAN LLC

STEEL_GUITAR_35_26_FED_COM_452H_Directional_Plan_04_02_25_20250402114434.pdf

Conditions of Approval

Specialist Review

26_26_29_C_Sundry_ID_2845099_Steel_Guitar_35_26_Fed_Com_452H_Eddy_NM19609_WPX_ENERGY_PERMIAN_LLC_13_22g_2_27_2024_LV_20250402151532.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: AMY BROWN

Signed on: APR 02, 2025 03:06 PM

Name: WPX ENERGY PERMIAN LLC

Title: Regulatory Professional

Street Address: 333 WEST SHERIDAN AVENUE

City: OKLAHOMA CITY **State:** OK

Phone: (405) 552-6137

Email address: AMY.BROWN@DVN.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 04/02/2025

Signature: Long Vo

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. 30-015-56386

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

Location of Well

0. SHL: NENW / 445 FNL / 2007 FWL / TWSP: 26S / RANGE: 29E / SECTION: 26 / LAT: 32.0185919 / LONG: -103.9566961 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1580 FWL / TWSP: 26S / RANGE: 29E / SECTION: 26 / LAT: 32.0195538 / LONG: -103.9580179 (TVD: 9939 feet, MD: 9986 feet)

PPP: NESW / 2478 FSL / 1614 FWL / TWSP: 26S / RANGE: 29E / SECTION: 26 / LAT: 32.011992 / LONG: -103.9583453 (TVD: 11200 feet, MD: 13800 feet)

BHL: LOT 10 / 50 FSL / 1580 FWL / TWSP: 26S / RANGE: 29E / SECTION: 35 / LAT: 32.0002402 / LONG: -103.958858 (TVD: 11200 feet, MD: 18078 feet)

Form 3160-3
(March 2012)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM019609

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

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

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
STEEL GUITAR 35-26 FED COM 452H

2. Name of Operator WPX Energy Permian, LLC

9. API Well No.

3a. Address 333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

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

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

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NENW / 415 FNL / 2007 FWL / LAT 32.018674 / LONG -103.956682

At proposed prod. zone LOT 10 / 1791 FNL / 2338 FWL / LAT 32.000242 / LONG -103.956412

11. Sec., T. R. M. or Blk. and Survey or Area SEC 26/T26S/R29E/NMP

14. Distance in miles and direction from nearest town or post office*

12. County or Parish
EDDY

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) See attached map

16. No. of acres in lease

17. Spacing Unit dedicated to this well
431.99

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See attached map

19. Proposed Depth

20. BLM/BIA Bond No. on file
NMB-001889

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

22. Approximate date work will start*
04/03/2025

23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Amy A. Brown
Name *(Printed/Typed)* Amy Brown
Date 4/2/25

Title

Approved by *(Signature)*
Name *(Printed/Typed)*
Date

Title
Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

*(Instructions on page 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
30-015-56386	98220	PURPLE SAGE; WOLFCAMP

Property Code	Property Name	Well Number
332695	STEEL GUITAR 35-26 FED COM	452H

OGRID No.	Operator Name	Ground Level Elevation
246289	WPX ENERGY PERMIAN, LLC	2889.3'

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
C	26	26-S	29-E		415' FNL	2007' FWL	32.018674	-103.956682	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
LOT 10	35	26-S	29-E		1791' FNL	2338' FWL	32.000242	-103.956412	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
431.99	INFILL	30-015-49377		

Order Numbers. PENDING NSL
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
A	26	26-S	29-E		50' FNL	2540' FWL	32.018592	-103.956694	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	26	26-S	29-E		100' FNL	2540' FWL	32.019523	-103.954918	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
LOT 10	35	26-S	29-E		1741' FNL	2338' FWL	32.000379	-103.956412	EDDY

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

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.

Amy A. Brown — 04/02/2025
Signature — Date

Amy A. Brown
Printed Name

amy.brown@dvn.com
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

JAMES C. TOMPKINS NEW MEXICO 27177 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor
JAMES C. TOMPKINS 27117
Date 04/01/2025 Job. No.: WTC-56789 Draft: FH!

Certificate Number	Date of Survey
27117	APRIL 1, 2025

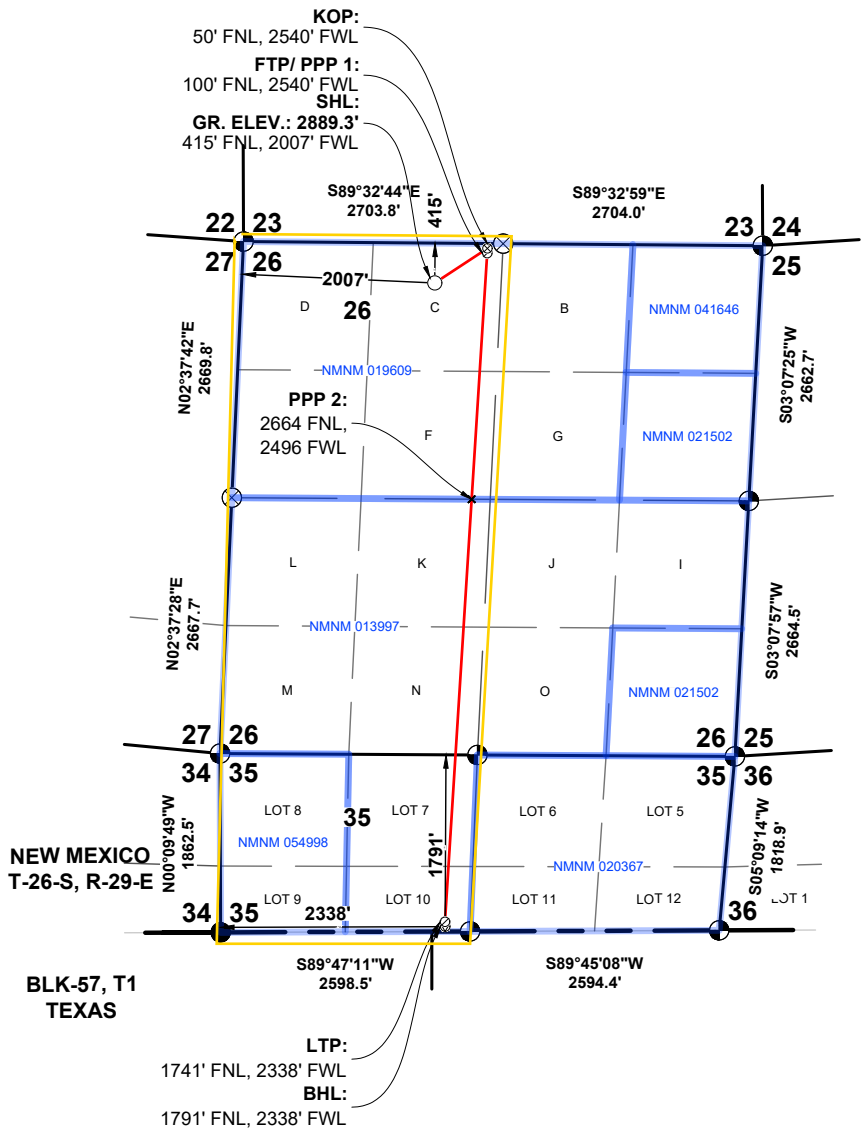
D:\FH\WTC DWG\56789-Devon Steel Guitar 452H, 424H & 410H.dwg 4/1/2025 3:41 PM FHERNANDEZ

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.



STEEL GUITAR 35-26 FED COM #452H
GR. ELEV. 2889.3'
NMSP-E (NAD 83)
N.(Y): = 370736.0'
E.(X): = 658071.5'
LAT.: = 32.0186739° N
LON.: = 103.9566823° W

KOP STEEL GUITAR 35-26 FED COM #452H
NMSP-E (NAD 83)
N.(Y): = 371096.8'
E.(X): = 658619.0'
LAT.: = 32.0196606° N
LON.: = 103.9549117° W

FTP PPP 1 STEEL GUITAR 35-26 FED COM #452H
NMSP-E (NAD 83)
N.(Y): = 371046.8'
E.(X): = 658617.3'
LAT.: = 32.0195232° N
LON.: = 103.9549178° W

PPP 2 STEEL GUITAR 35-26 FED COM #452H
NMSP-E (NAD 83)
N.(Y): = 368484.0'
E.(X): = 658455.9'
LAT.: = 32.0124796° N
LON.: = 103.9554675° W

LTP STEEL GUITAR 35-26 FED COM #452H
NMSP-E (NAD 83)
N.(Y): = 364081.2'
E.(X): = 658178.6'
LAT.: = 32.0003795° N
LON.: = 103.9564117° W

BHL STEEL GUITAR 35-26 FED COM #452H
NMSP-E (NAD 83)
N.(Y): = 364031.2'
E.(X): = 658178.7'
LAT.: = 32.0002420° N
LON.: = 103.9564118° W

SECTION: 26, T-26-S, R-29-E, N.M.P.M.
COUNTY: EDDY **STATE:** NEW MEXICO
DESCRIPTION: 415' FNL & 2007' FWL
OPERATOR: WPX ENERGY PERMIAN, LLC
WELL NAME: STEEL GUITAR 35-26 FED COM #452H
DUWI: WA022706306 **UFID:** AA000470848
WELL PAD: STEEL GUITAR 35-26 FED WEST PAD

W T C, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181

WPX ENERGY PERMIAN, LLC
JOB NO.: WTC56789

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

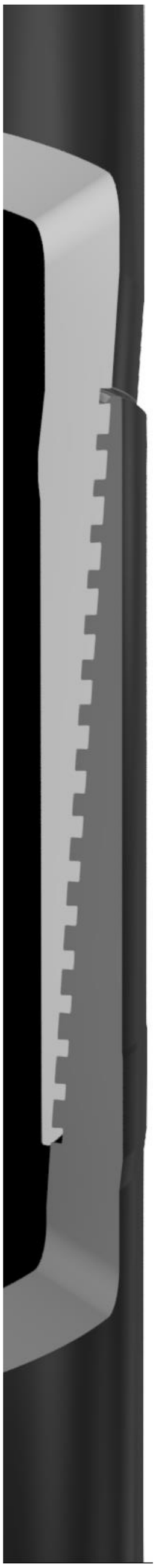
VAM USA

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.

05/23/2023 4:11 PM



Issued on: 16 Dec. 2020 by Logan Van Gorp

VAM® SPRINT-FJ

Connection Data Sheet

OD	Weight (lb/ft)	Wall Th.	Grade	Alt. Drift:	Connection
8 5/8 in.	Nominal: 32.00 Plain End: 31.13	0.352 in.	P110EC	7.875 in.	VAM® SPRINT-FJ

PIPE PROPERTIES		
Nominal OD	8.625	in.
Nominal ID	7.921	in.
Nominal Cross Section Area	9.149	sqin.
Grade Type	High Yield	
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Ultimate Tensile Strength	135	ksi

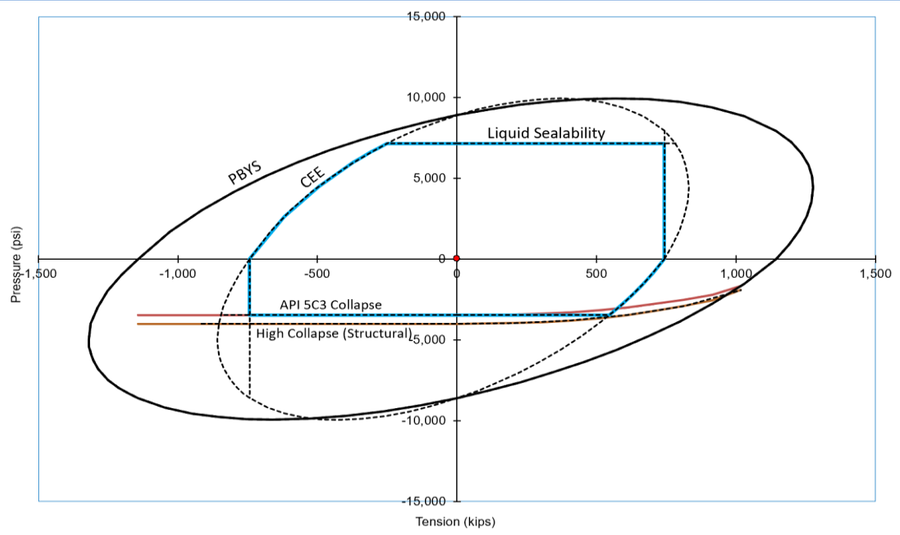
CONNECTION PROPERTIES		
Connection Type	Semi-Premium Integral Flush	
Connection OD (nom):	8.665	in.
Connection ID (nom):	7.954	in.
Make-Up Loss	2.614	in.
Critical Cross Section	6.038	sqin.
Tension Efficiency	65.0	% of pipe
Compression Efficiency	65.0	% of pipe
Internal Pressure Efficiency	80.0	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCES		
Tensile Yield Strength	744	klb
Compression Resistance	744	klb
Max. Internal Pressure	7,150	psi
Structural Collapse Resistance	4,000	psi
Max. Bending with Sealability	41	°/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)	TBD	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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Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance

VAM® USA

SeAH

10-3/4" 45.50# 0.400" J-55

Dimensions (Nominal)

Outside Diameter	**10.750**	**in.**
Wall	**0.400**	**in.**
Inside Diameter	**9.950**	**in.**
Drift	**9.875**	**in.**
Weight, T&C	**45.500**	**lbs/ft**
Weight, PE	**44.260**	**lbs/ft**

Performance Properties

Collapse		**2090**	**psi**
Internal Yield Pressure at Minimum Yield			
	PE	**3580**	**psi**
	STC	**3580**	**psi**
	BTC	**3580**	**psi**
Yield Strength, Pipe Body		**715**	**1000 lbs**
Joint Strength			
	STC	**493**	**1000 lbs**
	BTC	**796**	**1000 lbs**
	BTC Special Clearance (11.25" OD Cplg)	**506**	**1000 lbs**

SeAH

13-3/8" 54.50# .380 J-55

Dimensions (Nominal)

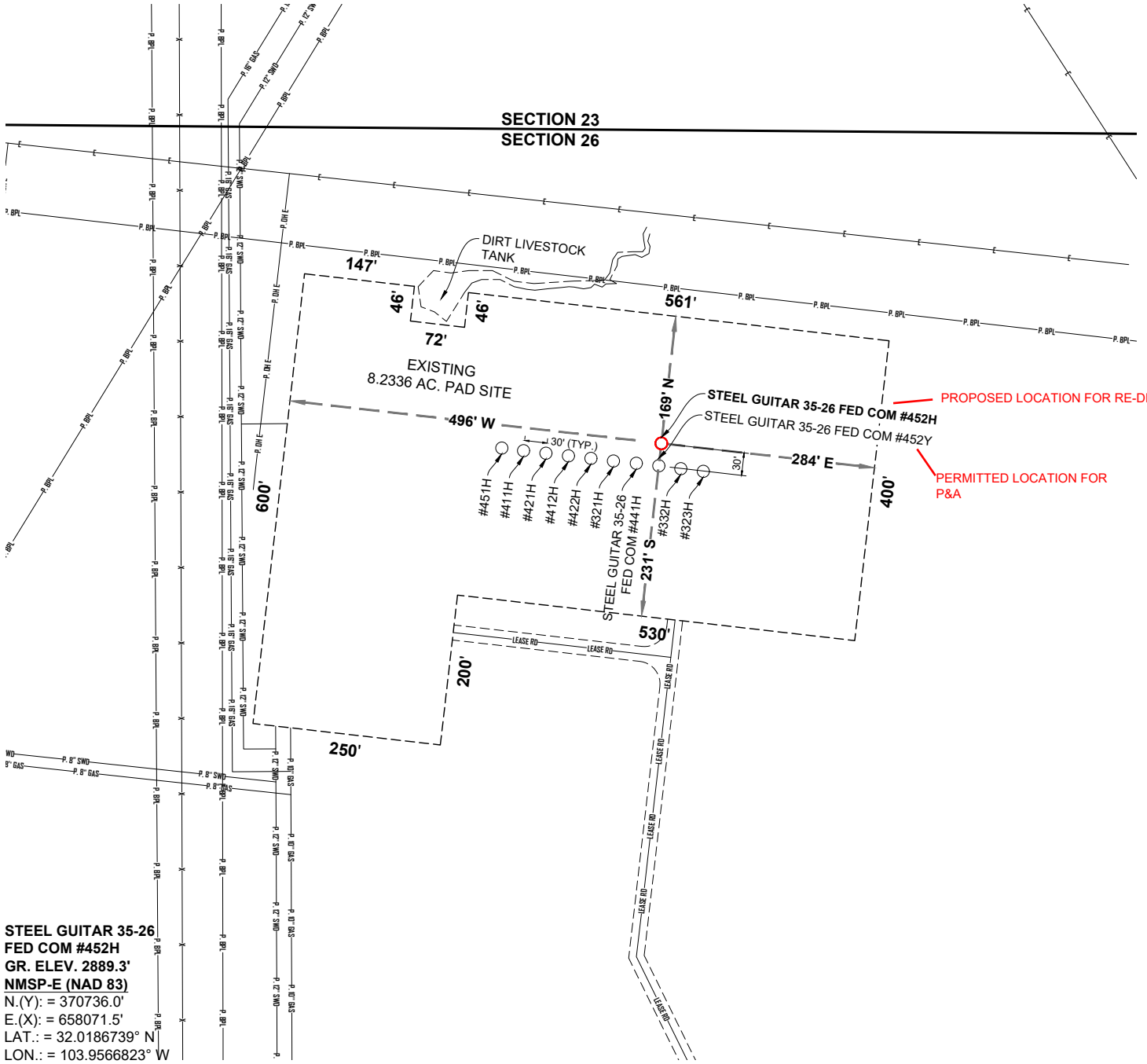
Outside Diameter	13.375	**in.**
Wall	0.380	**in.**
Inside Diameter	12.615	**in.**
Drift	12.459	**in.**
Weight, T&C	54.500	**lbs/ft**
Weight, PE	52.790	**lbs/ft**

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**

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.

SITE LOCATION



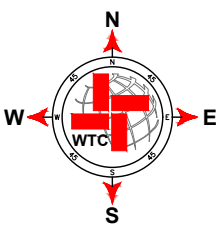
STEEL GUITAR 35-26 FED COM #452H
GR. ELEV. 2889.3'
NMSP-E (NAD 83)
N.(Y): = 370736.0'
E.(X): = 658071.5'
LAT.: = 32.0186739° N
LON.: = 103.9566823° W

200 0 200 400 FEET

SCALE: 1" = 200'

SECTION: 26, T-26-S, R-29-E, N.M.P.M.
COUNTY: EDDY **STATE:** NEW MEXICO
DESCRIPTION: 415' FNL & 2007' FWL
OPERATOR: WPX ENERGY PERMIAN, LLC
WELL NAME: STEEL GUITAR 35-26 FED COM #452H
DUWI: WA022429295 **UFID:** AA000000000
WELL PAD: STEEL GUITAR 35-26 FED WEST PAD

DRIVING DIRECTIONS:
BEGINNING AT THE INTERSECTION OF US HIGHWAY 285 AND BLACK RIVER ROAD IN MALAGA, NEW MEXICO. HEAD SOUTH ON US HWY. 285 FOR ±12.6 MILES TO WHITEHORN/LONGHORN ROAD ON THE LEFT. TURN LEFT AND HEAD EASTERLY FOR ±2.5 MILES TO A "Y." SLIGHT LEFT ONTO LONGHORN ROAD AND HEAD EASTERLY FOR ±5.1 MILES TO WHITEHORN/LONGHORN ROAD. TURN LEFT AND HEAD EASTERLY FOR ±1.5 MILES TO WHITEHORN/LONGHORN ROAD. TURN RIGHT AND HEAD EASTERLY FOR ±1.1 MILES TO A WHITEHORN/LONGHORN ROAD. TURN RIGHT AND HEAD SOUTHERLY FOR ±0.2 MILES TO A WHITEHORN ROAD. TURN RIGHT AND HEAD SOUTHERLY FOR ±1.5 MILES TO A LEASE ROAD.\PTURN RIGHT AND HEAD NORTHERLY FOR ±0.07 MILES TO A LEASE ROAD. TURN RIGHT AND HEAD NORTHERLY FOR ±0.3 MILES TO SOUTH SIDE OF AN EXISTING PAD SITE. THE STAKED LOCATION FLAGGED IS ±195 FEET TO THE NORTHWEST.



WTC ENGINEERS | SURVEYORS
W T C, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181

WPX ENERGY PERMIAN, LLC

JOB NO.: WTC56789

STEEL GUITAR 35-26 FED COM 452H

1. Geologic Formations

TVD of target	10945	Pilot hole depth	N/A
MD at TD:	17853	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	394		
Salt	840		
Base of Salt	2977		
Delaware	2977		
Cherry Canyon	3879		
Brushy Canyon	5113		
1st Bone Spring Lime	6753		
Bone Spring 1st	7699		
Bone Spring 2nd	8311		
3rd Bone Spring Lime	8777		
Bone Spring 3rd	9576		
Wolfcamp	9921		

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

2. Casing Program

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	700 MD	0	700 TVD
12 1/4	10 3/4	45.5	J-55	BTC SCC	0.0	3050 MD	0	3050 TVD
9 7/8	8 5/8	32.0	P110	Sprint FJ	0	10450 MD	0	10450 TVD
7 7/8	5 1/2	20.0	P110	DWC / C-IS+	0	17853 MD	0	10945 TVD

•All casing strings will be tested in accordance with 43 CFR 3172. Must have table for contingency casing.
• The Rustler top will be validated via drilling parameters (i.e. reduction in ROP), and the surface casing setting depth will be revised accordingly. In addition, surface casing will be set a minimum of 25' above the top of the salt.

3. Cementing Program

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	545	Surf	13.2	1.44	Lead: Class C Cement + additives
Int	192	Surf	9	3.27	Lead: Class C Cement + additives
	101	2550	13.2	1.44	Tail: Class H / C + additives
Int 1	200	Surf	9	3.27	Lead: Class C Cement + additives
	637	4946	13.2	1.44	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	454	Surf	9	1.44	Squeeze Lead: Class C Cement + additives
	200	Surf	9	3.27	Lead: Class C Cement + additives
	637	4946	13.2	1.44	Tail: Class H / C + additives
Production	117	8447	9	3.27	Lead: Class H /C + additives
	980	10447	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 and Intermediate 1	30%
Intermediate 1 (Two Stage)	25%
Prod	10%

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

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 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	5976
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.

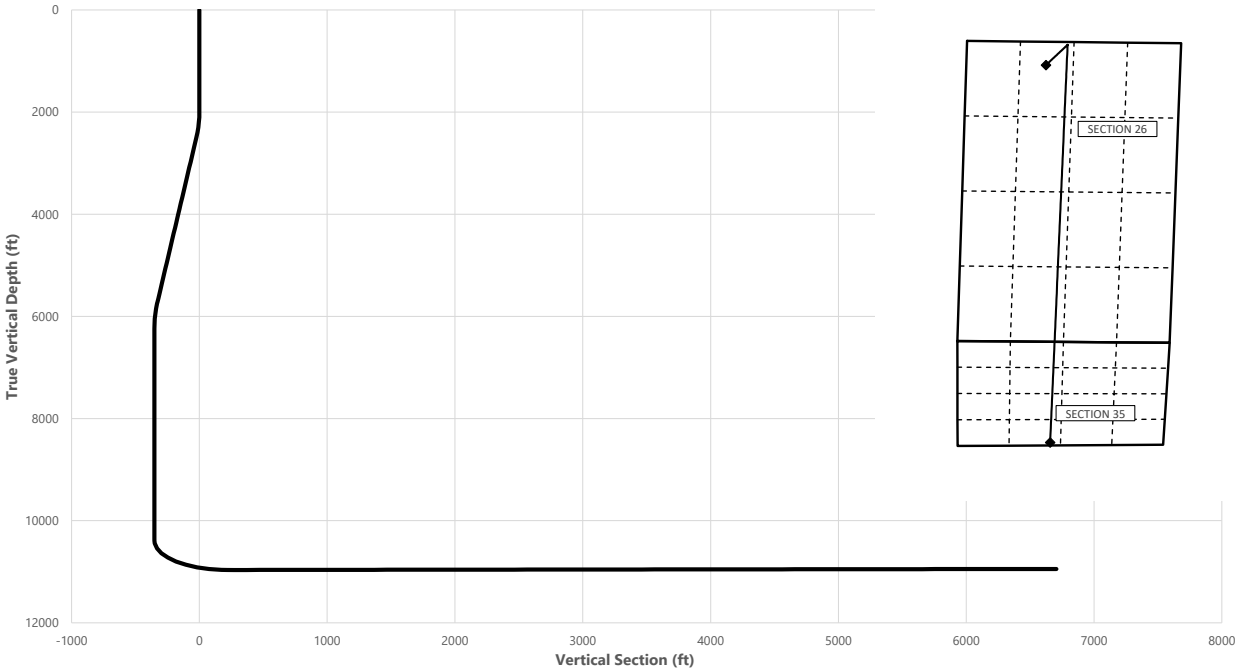
Attachments

X Directional Plan
_____ Other, describe

Well: STEEL GUITAR 35-26 FED COM 452H
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	56.66	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	56.66	2497.47	23.92	36.36	-23.34	2.00	Hold Tangent
5776.21	10.00	56.66	5723.90	336.60	511.64	-328.37	0.00	Drop to Vertical
6276.21	0.00	56.66	6221.36	360.52	548.00	-351.71	2.00	Hold Vertical
10446.89	0.00	183.57	10392.04	360.52	548.00	-351.71	0.00	KOP
11348.65	90.18	183.57	10965.00	-213.09	512.21	221.25	10.00	Landing Point
17853.01	90.18	183.57	10945.00	-6704.80	107.20	6705.66	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	394.00	394.00
Salt	840.00	840.00
Base of Salt	2986.93	2977.00
Delaware	2986.93	2977.00
Cherry Canyon	3902.85	3879.00
Brushy Canyon	5155.88	5113.00
1st Bone Spring Lime	6807.84	6753.00
Bone Spring 1st	7753.84	7699.00
Bone Spring 2nd	8365.84	8311.00
3rd Bone Spring Lime	8831.84	8777.00
Bone Spring 3rd	9630.84	9576.00
Wolfcamp / Point of Penetration	9975.84	9921.00
exit	17773.01	10945.25

	MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
SHL	0.00	0.00	32.0186	-103.9568	415' FNL, 2007' FWL of Sec 26 in T26S, R29E
KOP	10446.89	10392.04	32.0185	-103.9566	50' FNL, 2540' FWL of Sec 26 in T26S, R29E
Point of Penetration	9975.84	9921.00	32.0195	-103.9549	100' FNL, 2540' FWL of Sec 26 in T26S, R29E
Exit	17773.01	10945.25	32.0004	-103.9564	1741' FNL, 2338' FWL of Sec 35 in T26S, R29E
BHL	17853.01	10945.00	32.0001	-103.9565	1791' FNL, 2338' FWL of Sec 35 in T26S, R29E

	Y	X	MD
KOP	371097	658619	10446.89

devon

Well: STEEL GUITAR 35-26 FED COM 452H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

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MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	56.66	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	56.66	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	56.66	300.00	0.00	0.00	0.00	0.00	
394.00	0.00	56.66	394.00	0.00	0.00	0.00	0.00	Rustler
400.00	0.00	56.66	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	56.66	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	56.66	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	56.66	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	56.66	800.00	0.00	0.00	0.00	0.00	
840.00	0.00	56.66	840.00	0.00	0.00	0.00	0.00	Salt
900.00	0.00	56.66	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	56.66	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	56.66	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	56.66	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	56.66	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	56.66	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	56.66	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	56.66	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	56.66	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	56.66	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	56.66	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	56.66	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	56.66	2099.98	0.96	1.46	-0.94	2.00	
2200.00	4.00	56.66	2199.84	3.84	5.83	-3.74	2.00	
2300.00	6.00	56.66	2299.45	8.63	13.11	-8.41	2.00	
2400.00	8.00	56.66	2398.70	15.32	23.29	-14.95	2.00	
2500.00	10.00	56.66	2497.47	23.92	36.36	-23.34	2.00	Hold Tangent
2600.00	10.00	56.66	2595.95	33.46	50.87	-32.65	0.00	
2700.00	10.00	56.66	2694.43	43.01	65.37	-41.96	0.00	
2800.00	10.00	56.66	2792.91	52.55	79.88	-51.27	0.00	
2900.00	10.00	56.66	2891.39	62.10	94.39	-60.58	0.00	
2986.93	10.00	56.66	2977.00	70.39	107.00	-68.67	0.00	Base of Salt, Delaware
3000.00	10.00	56.66	2989.87	71.64	108.89	-69.89	0.00	
3100.00	10.00	56.66	3088.35	81.18	123.40	-79.20	0.00	
3200.00	10.00	56.66	3186.83	90.73	137.91	-88.51	0.00	
3300.00	10.00	56.66	3285.31	100.27	152.42	-97.82	0.00	
3400.00	10.00	56.66	3383.79	109.81	166.92	-107.13	0.00	
3500.00	10.00	56.66	3482.27	119.36	181.43	-116.44	0.00	
3600.00	10.00	56.66	3580.75	128.90	195.94	-125.75	0.00	
3700.00	10.00	56.66	3679.23	138.45	210.44	-135.06	0.00	
3800.00	10.00	56.66	3777.72	147.99	224.95	-144.37	0.00	
3900.00	10.00	56.66	3876.20	157.53	239.46	-153.69	0.00	
3902.85	10.00	56.66	3879.00	157.81	239.87	-153.95	0.00	Cherry Canyon
4000.00	10.00	56.66	3974.68	167.08	253.96	-163.00	0.00	
4100.00	10.00	56.66	4073.16	176.62	268.47	-172.31	0.00	
4200.00	10.00	56.66	4171.64	186.17	282.98	-181.62	0.00	
4300.00	10.00	56.66	4270.12	195.71	297.49	-190.93	0.00	
4400.00	10.00	56.66	4368.60	205.25	311.99	-200.24	0.00	
4500.00	10.00	56.66	4467.08	214.80	326.50	-209.55	0.00	
4600.00	10.00	56.66	4565.56	224.34	341.01	-218.86	0.00	
4700.00	10.00	56.66	4664.04	233.88	355.51	-228.17	0.00	
4800.00	10.00	56.66	4762.52	243.43	370.02	-237.48	0.00	
4900.00	10.00	56.66	4861.00	252.97	384.53	-246.79	0.00	
5000.00	10.00	56.66	4959.48	262.52	399.03	-256.10	0.00	
5100.00	10.00	56.66	5057.97	272.06	413.54	-265.41	0.00	
5155.88	10.00	56.66	5113.00	277.39	421.65	-270.62	0.00	Brushy Canyon
5200.00	10.00	56.66	5156.45	281.60	428.05	-274.72	0.00	
5300.00	10.00	56.66	5254.93	291.15	442.55	-284.03	0.00	
5400.00	10.00	56.66	5353.41	300.69	457.06	-293.35	0.00	
5500.00	10.00	56.66	5451.89	310.23	471.57	-302.66	0.00	
5600.00	10.00	56.66	5550.37	319.78	486.08	-311.97	0.00	
5700.00	10.00	56.66	5648.85	329.32	500.58	-321.28	0.00	
5776.21	10.00	56.66	5723.90	336.60	511.64	-328.37	0.00	Drop to Vertical
5800.00	9.52	56.66	5747.35	338.81	515.01	-330.54	2.00	
5900.00	7.52	56.66	5846.24	346.96	527.39	-338.48	2.00	
6000.00	5.52	56.66	5945.59	353.20	536.88	-344.57	2.00	
6100.00	3.52	56.66	6045.27	357.54	543.47	-348.80	2.00	
6200.00	1.52	56.66	6145.17	359.96	547.15	-351.16	2.00	
6276.21	0.00	56.66	6221.36	360.52	548.00	-351.71	2.00	Hold Vertical

devon

Well: STEEL GUITAR 35-26 FED COM 452H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6300.00	0.00	183.57	6245.16	360.52	548.00	-351.71	0.00	
6400.00	0.00	183.57	6345.16	360.52	548.00	-351.71	0.00	
6500.00	0.00	183.57	6445.16	360.52	548.00	-351.71	0.00	
6600.00	0.00	183.57	6545.16	360.52	548.00	-351.71	0.00	
6700.00	0.00	183.57	6645.16	360.52	548.00	-351.71	0.00	
6800.00	0.00	183.57	6745.16	360.52	548.00	-351.71	0.00	
6807.84	0.00	183.57	6753.00	360.52	548.00	-351.71	0.00	1st Bone Spring Lime
6900.00	0.00	183.57	6845.16	360.52	548.00	-351.71	0.00	
7000.00	0.00	183.57	6945.16	360.52	548.00	-351.71	0.00	
7100.00	0.00	183.57	7045.16	360.52	548.00	-351.71	0.00	
7200.00	0.00	183.57	7145.16	360.52	548.00	-351.71	0.00	
7300.00	0.00	183.57	7245.16	360.52	548.00	-351.71	0.00	
7400.00	0.00	183.57	7345.16	360.52	548.00	-351.71	0.00	
7500.00	0.00	183.57	7445.16	360.52	548.00	-351.71	0.00	
7600.00	0.00	183.57	7545.16	360.52	548.00	-351.71	0.00	
7700.00	0.00	183.57	7645.16	360.52	548.00	-351.71	0.00	
7753.84	0.00	183.57	7699.00	360.52	548.00	-351.71	0.00	Bone Spring 1st
7800.00	0.00	183.57	7745.16	360.52	548.00	-351.71	0.00	
7900.00	0.00	183.57	7845.16	360.52	548.00	-351.71	0.00	
8000.00	0.00	183.57	7945.16	360.52	548.00	-351.71	0.00	
8100.00	0.00	183.57	8045.16	360.52	548.00	-351.71	0.00	
8200.00	0.00	183.57	8145.16	360.52	548.00	-351.71	0.00	
8300.00	0.00	183.57	8245.16	360.52	548.00	-351.71	0.00	
8365.84	0.00	183.57	8311.00	360.52	548.00	-351.71	0.00	Bone Spring 2nd
8400.00	0.00	183.57	8345.16	360.52	548.00	-351.71	0.00	
8500.00	0.00	183.57	8445.16	360.52	548.00	-351.71	0.00	
8600.00	0.00	183.57	8545.16	360.52	548.00	-351.71	0.00	
8700.00	0.00	183.57	8645.16	360.52	548.00	-351.71	0.00	
8800.00	0.00	183.57	8745.16	360.52	548.00	-351.71	0.00	
8831.84	0.00	183.57	8777.00	360.52	548.00	-351.71	0.00	3rd Bone Spring Lime
8900.00	0.00	183.57	8845.16	360.52	548.00	-351.71	0.00	
9000.00	0.00	183.57	8945.16	360.52	548.00	-351.71	0.00	
9100.00	0.00	183.57	9045.16	360.52	548.00	-351.71	0.00	
9200.00	0.00	183.57	9145.16	360.52	548.00	-351.71	0.00	
9300.00	0.00	183.57	9245.16	360.52	548.00	-351.71	0.00	
9400.00	0.00	183.57	9345.16	360.52	548.00	-351.71	0.00	
9500.00	0.00	183.57	9445.16	360.52	548.00	-351.71	0.00	
9600.00	0.00	183.57	9545.16	360.52	548.00	-351.71	0.00	
9630.84	0.00	183.57	9576.00	360.52	548.00	-351.71	0.00	Bone Spring 3rd
9700.00	0.00	183.57	9645.16	360.52	548.00	-351.71	0.00	
9800.00	0.00	183.57	9745.16	360.52	548.00	-351.71	0.00	
9900.00	0.00	183.57	9845.16	360.52	548.00	-351.71	0.00	
9975.84	0.00	183.57	9921.00	360.52	548.00	-351.71	0.00	Wolfcamp / Point of Penetration
10000.00	0.00	183.57	9945.16	360.52	548.00	-351.71	0.00	
10100.00	0.00	183.57	10045.16	360.52	548.00	-351.71	0.00	
10200.00	0.00	183.57	10145.16	360.52	548.00	-351.71	0.00	
10300.00	0.00	183.57	10245.16	360.52	548.00	-351.71	0.00	
10400.00	0.00	183.57	10345.16	360.52	548.00	-351.71	0.00	
10446.89	0.00	183.57	10392.04	360.52	548.00	-351.71	0.00	KOP
10500.00	5.31	183.57	10445.08	358.06	547.84	-349.26	10.00	
10600.00	15.31	183.57	10543.34	340.22	546.73	-331.43	10.00	
10700.00	25.31	183.57	10637.01	305.62	544.57	-296.87	10.00	
10800.00	35.31	183.57	10723.23	255.31	541.43	-246.62	10.00	
10900.00	45.31	183.57	10799.38	190.82	537.41	-182.21	10.00	
11000.00	55.31	183.57	10863.16	114.12	532.63	-105.59	10.00	
11100.00	65.31	183.57	10912.63	27.52	527.22	-19.09	10.00	
11200.00	75.31	183.57	10946.28	-66.33	521.37	74.66	10.00	
11300.00	85.31	183.57	10963.09	-164.59	515.24	172.80	10.00	
11348.65	90.18	183.57	10965.00	-213.09	512.21	221.25	10.00	Landing Point
11400.00	90.18	183.57	10964.84	-264.34	509.01	272.44	0.00	
11500.00	90.18	183.57	10964.54	-364.15	502.79	372.14	0.00	
11600.00	90.18	183.57	10964.23	-463.95	496.56	471.83	0.00	
11700.00	90.18	183.57	10963.92	-563.76	490.33	571.52	0.00	
11800.00	90.18	183.57	10963.61	-663.56	484.11	671.22	0.00	
11900.00	90.18	183.57	10963.31	-763.37	477.88	770.91	0.00	
12000.00	90.18	183.57	10963.00	-863.17	471.66	870.60	0.00	
12100.00	90.18	183.57	10962.69	-962.98	465.43	970.30	0.00	
12200.00	90.18	183.57	10962.38	-1062.78	459.20	1069.99	0.00	
12300.00	90.18	183.57	10962.08	-1162.59	452.98	1169.68	0.00	
12400.00	90.18	183.57	10961.77	-1262.40	446.75	1269.38	0.00	

devon

Well: STEEL GUITAR 35-26 FED COM 452H
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
12500.00	90.18	183.57	10961.46	-1362.20	440.52	1369.07	0.00	
12600.00	90.18	183.57	10961.15	-1462.01	434.30	1468.76	0.00	
12700.00	90.18	183.57	10960.85	-1561.81	428.07	1568.46	0.00	
12800.00	90.18	183.57	10960.54	-1661.62	421.84	1668.15	0.00	
12900.00	90.18	183.57	10960.23	-1761.42	415.62	1767.84	0.00	
13000.00	90.18	183.57	10959.92	-1861.23	409.39	1867.54	0.00	
13100.00	90.18	183.57	10959.62	-1961.03	403.16	1967.23	0.00	
13200.00	90.18	183.57	10959.31	-2060.84	396.94	2066.92	0.00	
13300.00	90.18	183.57	10959.00	-2160.64	390.71	2166.62	0.00	
13400.00	90.18	183.57	10958.70	-2260.45	384.48	2266.31	0.00	
13500.00	90.18	183.57	10958.39	-2360.26	378.26	2366.00	0.00	
13600.00	90.18	183.57	10958.08	-2460.06	372.03	2465.69	0.00	
13700.00	90.18	183.57	10957.77	-2559.87	365.80	2565.39	0.00	
13800.00	90.18	183.57	10957.47	-2659.67	359.58	2665.08	0.00	
13900.00	90.18	183.57	10957.16	-2759.48	353.35	2764.77	0.00	
14000.00	90.18	183.57	10956.85	-2859.28	347.13	2864.47	0.00	
14100.00	90.18	183.57	10956.54	-2959.09	340.90	2964.16	0.00	
14200.00	90.18	183.57	10956.24	-3058.89	334.67	3063.85	0.00	
14300.00	90.18	183.57	10955.93	-3158.70	328.45	3163.55	0.00	
14400.00	90.18	183.57	10955.62	-3258.51	322.22	3263.24	0.00	
14500.00	90.18	183.57	10955.31	-3358.31	315.99	3362.93	0.00	
14600.00	90.18	183.57	10955.01	-3458.12	309.77	3462.63	0.00	
14700.00	90.18	183.57	10954.70	-3557.92	303.54	3562.32	0.00	
14800.00	90.18	183.57	10954.39	-3657.73	297.31	3662.01	0.00	
14900.00	90.18	183.57	10954.09	-3757.53	291.09	3761.71	0.00	
15000.00	90.18	183.57	10953.78	-3857.34	284.86	3861.40	0.00	
15100.00	90.18	183.57	10953.47	-3957.14	278.63	3961.09	0.00	
15200.00	90.18	183.57	10953.16	-4056.95	272.41	4060.79	0.00	
15300.00	90.18	183.57	10952.86	-4156.75	266.18	4160.48	0.00	
15400.00	90.18	183.57	10952.55	-4256.56	259.95	4260.17	0.00	
15500.00	90.18	183.57	10952.24	-4356.37	253.73	4359.87	0.00	
15600.00	90.18	183.57	10951.93	-4456.17	247.50	4459.56	0.00	
15700.00	90.18	183.57	10951.63	-4555.98	241.27	4559.25	0.00	
15800.00	90.18	183.57	10951.32	-4655.78	235.05	4658.94	0.00	
15900.00	90.18	183.57	10951.01	-4755.59	228.82	4758.64	0.00	
16000.00	90.18	183.57	10950.70	-4855.39	222.60	4858.33	0.00	
16100.00	90.18	183.57	10950.40	-4955.20	216.37	4958.02	0.00	
16200.00	90.18	183.57	10950.09	-5055.00	210.14	5057.72	0.00	
16300.00	90.18	183.57	10949.78	-5154.81	203.92	5157.41	0.00	
16400.00	90.18	183.57	10949.47	-5254.62	197.69	5257.10	0.00	
16500.00	90.18	183.57	10949.17	-5354.42	191.46	5356.80	0.00	
16600.00	90.18	183.57	10948.86	-5454.23	185.24	5456.49	0.00	
16700.00	90.18	183.57	10948.55	-5554.03	179.01	5556.18	0.00	
16800.00	90.18	183.57	10948.25	-5653.84	172.78	5655.88	0.00	
16900.00	90.18	183.57	10947.94	-5753.64	166.56	5755.57	0.00	
17000.00	90.18	183.57	10947.63	-5853.45	160.33	5855.26	0.00	
17100.00	90.18	183.57	10947.32	-5953.25	154.10	5954.96	0.00	
17200.00	90.18	183.57	10947.02	-6053.06	147.88	6054.65	0.00	
17300.00	90.18	183.57	10946.71	-6152.86	141.65	6154.34	0.00	
17400.00	90.18	183.57	10946.40	-6252.67	135.42	6254.04	0.00	
17500.00	90.18	183.57	10946.09	-6352.48	129.20	6353.73	0.00	
17600.00	90.18	183.57	10945.79	-6452.28	122.97	6453.42	0.00	
17700.00	90.18	183.57	10945.48	-6552.09	116.74	6553.12	0.00	
17773.01	90.18	183.57	10945.25	-6624.96	112.20	6625.90	0.00	exit
17800.00	90.18	183.57	10945.17	-6651.89	110.52	6652.81	0.00	
17853.01	90.18	183.57	10945.00	-6704.80	107.20	6705.66	0.00	BHL

26-26-29-C Sundry ID 2845099 Steel Guitar 35-26 Fed Com 452H Eddy NM19609 WPX ENERGY PERMIAN LLC 13-22g 2-27-2024 LV

Steel Guitar 35-26 Fed Com 452H

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	38.09	5.88	1.64	411	15	2.75	11.11	22,400
"B"			btc				0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	1,500	Tail Cmt	does not	circ to sfc.	Totals:	411				22,400

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	545	785	285	175	9.00	993	2M	1.56

Site plat (pipe racks 5 or 6) as per 6.A.1.iii.D.4.i. not found.

10 3/4	casing inside the	13 3/8		Design Factors			Int 1				
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	45.50	j 55	btc scc	3.65	1.26	0.73	3,050	2	1.38	2.11	138,775
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	1,175				Totals:	3,050				138,775
	The cement volume(s) are intended to achieve a top of			0	ft from surface or a		411				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	0.1882	293	773	594	30	10.50	2587	3M	0.50
r D V Tool(s):							sum of sx	Σ CuFt	Σ%excess
t by stage % :		#VALUE!	#VALUE!				293	773	30

Class 'C' tail cmt yld > 1.35

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.17, b, c, d All > 0.70, OK.

8 5/8	casing inside the	10 3/4		Design Factors			Int 2				
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	32.00	p 110	vam sprint fj	2.22	0.82	1.2	10,450	1	2.01	1.55	334,400
"B"							0				0
"C"							0				0
"D"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	445				Totals:	10,450				334,400
	The cement volume(s) are intended to achieve a top of			0	ft from surface or a		3050				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	837	1571	1343	17	9.00	3562	5M	0.61
	Setting Depths for D V Tool(s):	5070					sum of sx	Σ CuFt	Σ%excess
	% excess cmt by stage:	132	1				1303	2242	67

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+	3.33	2.03	2.41	17,853	2	4.03	3.39	357,060
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	2,408				Totals:	17,853				357,060
	The cement volume(s) are intended to achieve a top of			10250	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	1097	1794	1318	36	10.50			0.79

Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX.

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

General Information
Phone: (505) 629-6116

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: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 448174
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	4/2/2025
matthew.gomez	Original wellbore must be plugged in accordance with OCD regulations.	4/2/2025