Received by WCD.S/21/2025 9:33:30 AM

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

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
CLAWHAMMER	324H		NMNM0480904A	NMNM0480904A	WPX ENERGY
CLAWHAMMER	335H		NMNM0480904A	NMNM0480904A	WPX ENERGY
CLAWHAMMER	325H		NMNM0480904A	NMNM0480904A	WPX ENERGY
CLAWHAMMER	336H		NMNM0480904A	NMNM0480904A	WPX ENERGY

Notice of Intent

Sundry ID: 2851645

Type of Submission: Notice of Intent

Date Sundry Submitted: 05/07/2025

Type of Action: APD Change Time Sundry Submitted: 11:26

Sundry Print Repor

Date proposed operation will begin: 05/08/2025

Procedure Description: WPX Energy Permian, LLC respectfully requests a drill plan change for the subject wells (324H API ID 1400098802, 325H API ID 1400098813, 335H API ID 1400098811, 336H API ID 1400098818). WPX also requests break test and offline cementing variances. Please see revised drill plan for the deepest TVD well on this pad and variance attachments.

NOI Attachments

Procedure Description

Offline_Cementing___Variance_Request_20250507112414.pdf

Break_Test_Variance_Offline_BOP_2_3_2025_20250507112401.pdf

5.5_20lb_P110_ICY_20250507112346.pdf

8.625_32lb_P110_ICY_20250507112321.pdf

10.75_45.5lb_J55_BTC_20250507112307.pdf

13.375_54.5lb_J55_20250507112244.pdf

CLAWHAMMER_33_28_21_FEDERAL_COM_336H_4_23_20250507112229.pdf

Conditions of Approval

Specialist Review

Clawhammer_33_28_21_Federal_Com_Batch_Sundry_ID_2851645_20250521080838.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: MAY 07, 2025 11:24 AM

Name: WPX ENERGY PERMIAN LLC

Title: Regulatory Professional

Street Address: 333 WEST SHERIDAN AVENUE

State:

City: OKLAHOMA CITY State: OK

Phone: (405) 552-6137

Email address: AMY.BROWN@DVN.COM

Field

Representative Name:

Street Address:

City:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO BLM POC Phone: 5759885402 Disposition: Approved Signature: Long Vo BLM POC Title: Petroleum EngineerBLM POC Email Address: LVO@BLM.GOVDisposition Date: 05/21/2025

Zip:

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eccircu by OCD. 3		55.50 2111			Tuge 5 0j
Form 3160-5 UNITED STATES (June 2019) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT		FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021 5. Lease Serial No.			
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.			6. If Indian, Allottee or Tribe Name		
	SUBMIT IN	TRIPLICATE - Other instru	uctions on page 2	7. If Unit of CA/Agreement, Na	ame and/or No.
1. Type of Well Oil Well	Gas W	Vell Other		8. Well Name and No.	
2. Name of Operator				9. API Well No.	
3a. Address			3b. Phone No. (include area code)	10. Field and Pool or Explorate	ory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)			11. Country or Parish, State		
	12. CHE	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATURE (OF NOTICE, REPORT OR OTH	ER DATA
TYPE OF SUBM	ISSION		TYPI	E OF ACTION	
Notice of Intent		Acidize	Deepen Hydraulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Repo	rt	Casing Repair	New Construction Plug and Abandon	Recomplete Temporarily Abandon	Other
Final Abandonme	ent Notice	Convert to Injection	Plug Back	Water Disposal	
the proposal is to de the Bond under whic completion of the in	epen directiona ch the work wil volved operation andonment No	Ily or recomplete horizontal l be perfonned or provide the ons. If the operation results in	ly, give subsurface locations and me e Bond No. on file with BLM/BIA. n a multiple completion or recomple	asured and true vertical depths of Required subsequent reports mus ption in a new interval, a Form 31	k and approximate duration thereof. If f all pertinent markers and zones. Attach t be filed within 30 days following 60-4 must be filed once testing has been he operator has detennined that the site

14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>)			
î	Fitle		
Signature I	Date		
THE SPACE FOR FEDE	RAL OR STATE OF	FICE USE	
Approved by			
	Title	Dat	te
Conditions of approval, if any, are attached. Approval of this notice does not warrant of certify that the applicant holds legal or equitable title to those rights in the subject leas which would entitle the applicant to conduct operations thereon.			
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any any false, fictitious or fraudulent statements or representations as to any matter within		lfully to make to any depa	rtment or agency of the United States

(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

Batch Well Data

CLAWHAMMER 33-28-21 FEDERAL COM 324H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

CLAWHAMMER 33-28-21 FEDERAL COM 335H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

CLAWHAMMER 33-28-21 FEDERAL COM 325H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

CLAWHAMMER 33-28-21 FEDERAL COM 336H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

Offline Cementing

Variance Request

Devon Energy requests to offline cement on intermediate strings that are set in formations shallower than the Wolfcamp. Prior to commencing offline cementing operations, the well will be monitored for any abnormal pressures and confirmed to be static. A dual manifold system (equipped with chokes) for the returns will also be utilized as a redundancy. All equipment used for offline cementing will have a minimum 5M rating to match intermediate sections' 5M BOPE requirements.

Section 2 - Blowout Preventer Testing Procedure

Variance Request

Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. The initial BOP test will follow 43 CFR 3172, and subsequent tests following a skid will only test connections that are broken. This test will at minimum include the Top Pipe Ram, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and BOP shell of the 10M BOPE to 5M for 10 minutes. Additional pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections. This variance will meet or exceed 43 CFR 3172 per the following: Devon Energy will perform a full BOP test per 43 CFR 3172 before drilling out of the intermediate casing string(s) and starting the production hole, testing the Annular during initial BOP testing to a minimum of 70% RWP and higher than MASP, and pressure testing at a 21-day interval frequency. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. In the event break testing is not utilized, then a full BOPE test would be conducted.

Devon Energy requests to perform offline BOP stump testing and offline BOPE testing. All pressurecontaining and pressure-controlling seals will be tested either online or offline as denoted in the table below and per BLM approval during initial BOP test following test pressure requirements set forth in 43 CFR 3172. Remaining components not tested offline or on the stump will be tested within 72-hours when the BOP is connected to the wellhead. If stump testing exceeds 72-hour window prior to connecting to the wellhead, the BLM will be notified and either stump testing restarted, or the BOP being tested online. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. In the event stump testing is not utilized, then a full BOPE test would be conducted.

Components	Offline	Offline, BOPE	Break	Online
Upper Rams		Х	Х	Х
Blind Rams		Х		Х
Lower Rams				Х
Outside Kill Valve		X	Х	Х
Inside Kill Valve		X	Х	Х
Kill Line Check Valve		X	Х	Х
Inside Choke Valve		Х	Х	Х
HCR		X	Х	Х
Kill Line	х			Х
Annular		Х		Х
Choke Manifold Valves and Hose	х			Х
Mudline (Mud Pumps, Rig Floor Valves, Kelly Hose, Mud Line)	х			Х
Standpipe Valve	х			Х
IBOP (Upper and Lower)	Х			X

Devon requests offline BOPE testing for the following components: Upper Rams, Blind Rams, Kill Valves, Choke Valves, and Annular Remaining well control equipment components will either be tested offline or online, per BLM approval

- Remaining BOPE will be tested online within 72-hours form completing the offline BOPE component testing
- Notify the BLM if the online BOPE testing exceeds 72-hours

All Full Tests not completed "Offline" or "Offline, BOPE" are required to be complete Online

Devon requests Break testing as stated above for 5K tests, not including production hole

Annular Preventer will be tested to minimum of 70% RWP and higher than MASP during initial BOP test

Pressure testing is required for pressure-containing connections if the integrity of a pressure seal is broken during a break test Full Tests required when entering production hole



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Tenaris

TenarisHydril Wedge 461[®]



Coupling

Grade: P110-ICY Body: White 1st Band: Pale Green 2nd Band: -3rd Band: -

12,300 psi

23,100 ft-lb

Pipe Body
Grade: P110-ICY
1st Band: White
2nd Band: Pale Green
3rd Band: Pale Green
4th Band: -
5th Band: -
6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-ICY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry	
Nominal OD	5.500 in.
Nominal Weight	20.00 lb/ft
Drift	4.653 in.
Nominal ID	4.778 in.

Wall Thickness	0.361 in
Plain End Weight	19.83 lb/fi
OD Tolerance	API

729 x1000 lb **Body Yield Strength** Min. Internal Yield Pressure 14,360 psi SMYS 125,000 psi

Performance

Collapse Pressure

Maximum

Connection	Data
------------	------

Geometry	
Connection OD	6.300 in.
Coupling Length	7.714 in.
Connection ID	4.778 in.
Make-up Loss	3.775 in.
Threads per inch	3.40
Connection OD Option	Regular

100 %
729 x1000 lb
14,360 psi
100 %
729 x1000 lb
104 °/100 ft
12,300 psi
329,000 lb

Make-Up Torques	
Minimum	17,000 ft-lb
Optimum	18,000 ft-Ib
Maximum	21,600 ft-lb
Operation Limit Torques	
Operating Torque	43,000 ft-lb
Yield Torque	51,000 ft-lb
Buck-On	
Minimum	21,600 ft-lb

Notes

This connection is fully interchangeable with: Wedge 441® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) in. (lb/ft) Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.415 (23.00) / 0.476 (26.00) in. (lb/ft) Connections with Dopeless® Technology are fully compatible with the same connection in its doped version In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchonacoble. interchangeable

For the lastest performance data, always visit our website: www.tenaris.com For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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Tenaris

TenarisHydril Wedge 441[®] - AD



Pipe Body
Grade: P110-ICY
1st Band: White
2nd Band: Pale Green
3rd Band: Pale Green
4th Band: -
5th Band: -
6th Band: -

Outside Diameter	8.625 in.	Wall Thickness	0.352 in.	Grade	P110-ICY
Min. Wall Thickness	90.00 %	Pipe Body Drift	Alternative Drift	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

N N

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N

Geometry			
Nominal OD	8.625 in.	Wall Thickness	0.352 in.
Nominal Weight	32.00 lb/ft	Plain End Weight	31.13 lb/ft
Drift	7.875 in.	OD Tolerance	API
Nominal ID	7.921 in.		

Performance

Coupling

Grade: P110-ICY Body: White 1st Band: Pale Green 2nd Band: -3rd Band: -

Body Yield Strength	1144 x1000 lb
Min. Internal Yield Pressure	9180 psi
SMYS	125,000 psi
Collapse Pressure	4000 psi

Connection Data

Geometry	
Connection OD	8.889 in.
Coupling Length	8.862 in.
Connection ID	7.921 in.
Make-up Loss	3.744 in.
Threads per inch	3.43
Connection OD Option	Regular

Performance	
Tension Efficiency	81.20 %
Joint Yield Strength	929 x1000 lb
Internal Pressure Capacity	9180 psi
Compression Efficiency	81.20 %
Compression Strength	929 x1000 lb
Max. Allowable Bending	53.59 °/100 ft
External Pressure Capacity	4000 psi

Make-Up Torques	
Minimum	23,000 ft-lb
Optimum	24,000 ft-lb
Maximum	27,000 ft-Ib
Operation Limit Torques	
Operating Torque	59,000 ft-Ib
Yield Torque	70,000 ft-Ib
Buck-On	
Minimum	27,000 ft-Ib
Maximum	29,000 ft-Ib

Notes

For the lastest performance data, always visit our website: www.tenaris.com For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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<u>10-3/4"</u>	<u>45.50#</u>	<u>0.400"</u>	<u>J-55</u>	
Dimensions	(Nominal)			
Outside Diameter Wall Inside Diameter Drift Weight, T&C			10.750 0.400 9.950 9.875 45.500	in. in. in. Ibs/ft
Weight, PE Performance	e Properties		44.260	lbs/ft
Collapse			2090	psi
Internal Yield Pres	sure at Minimum Yield			
	PE STC BTC		3580 3580 3580	psi psi psi
Yield Strength, Pip	e Body		715	1000 lbs
Joint Strength				
	STC BTC BTC Special Clearance (2	11.25" OD Cplg)	493 796 506	1000 lbs 1000 lbs 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.



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

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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1. Geologic Formations

TVD of target	9878	Pilot hole depth	N/A
MD at TD:	19708	Deepest expected fresh water	

Basin

	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	675		
Salt	1506		
Base of Salt	3337		
Delaware	3337		
Cherry Canyon	4621		
Brushy Canyon	5611		
Bone Spring 1st	8301		
Bone Spring 2nd	8929		
3rd Bone Spring Lime	9223		

*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	700 MD	0	700 TVD
12 1/4	10 3/4	45.5	J-55	BTC SCC	0	3390 MD	0	3390 TVD
9 7/8	8 5/8	32.0	P110-ICY	441	0	9240	0	9240
7 7/8	5 1/2	20.0	P110-ICY	461	0	19708 MD	0	9878 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 (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	544	Surf	13.2	1.4	Lead: Class C Cement + additives
Int	215	Surf	9.0	3.3	Lead: Class C Cement + additives
Int	101	2890	13.2	1.4	Tail: Class H / C + additives
Int 1	230	Surf	9.0	3.3	Lead: Class C Cement + additives
Int I	423	5611	13.2	1.4	Tail: Class H / C + additives
Int 1	230	Surf	0.0	3.3	Squeeze Lead: Class C Cement + additives
Intermediate	230	Surf	9.0	3.3	Lead: Class C Cement + additives
Squeeze	423	5611	13.2	1.4	Tail: Class H / C + additives
Production	119	7340	9.0	3.3	Lead: Class H /C + additives
FIGUUCUON	1372	9340	13.2	1.4	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%
Production	10%

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Ty	уре	~	Tested to:
			Annular		Х	50% of rated working pressure
Int	13-5/8"	5M	Blind	d Ram	Х	
Int	13-5/8	JIVI	Pipe	Ram		5M
			Double Ram		Х	5101
			Other*			
	13-5/8"	5M	Anı	nular	Х	50% of rated working
						pressure
Int 1			Blind Ram Pipe Ram Double Ram		X	5M
					X	
			Other*			
			Annular (5M)		Х	50% of rated working
						pressure
Production	13-5/8"	5M		d Ram	Х	
1 roduction	15-5/6	2.01	Pipe Ram Double Ram			5M
					X	
			Other*			

4. Pressure Control Equipment (Four String Design)

5. Mud Program (Four String Design)

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

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

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

6. Logging and Testing Procedures

Logging, C	Logging, Coring and Testing				
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the				
X Completion Report 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.				

Additiona	al logs planned	Interval
	Resistivity	
	Density	
Х	CBL	Production casing
	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4623
Abnormal temperature	No

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

Hydrogren S	Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations			
greater than	greater than 100 ppm, the operator will comply with the provisions of 43 CFR 3176. If Hydrogen Sulfide is encountered			
measured va	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 pad.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be 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

Received by WCD.S/21/2025 9:33:30 AM

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

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
CLAWHAMMER	324H		NMNM0480904A	NMNM0480904A	WPX ENERGY
CLAWHAMMER	335H		NMNM0480904A	NMNM0480904A	WPX ENERGY
CLAWHAMMER	325H		NMNM0480904A	NMNM0480904A	WPX ENERGY
CLAWHAMMER	336H		NMNM0480904A	NMNM0480904A	WPX ENERGY

Notice of Intent

Sundry ID: 2851645

Type of Submission: Notice of Intent

Date Sundry Submitted: 05/07/2025

Type of Action: APD Change Time Sundry Submitted: 11:26

Sundry Print Repor

Date proposed operation will begin: 05/08/2025

Procedure Description: WPX Energy Permian, LLC respectfully requests a drill plan change for the subject wells (324H API ID 1400098802, 325H API ID 1400098813, 335H API ID 1400098811, 336H API ID 1400098818). WPX also requests break test and offline cementing variances. Please see revised drill plan for the deepest TVD well on this pad and variance attachments.

NOI Attachments

Procedure Description

Offline_Cementing___Variance_Request_20250507112414.pdf

Break_Test_Variance_Offline_BOP_2_3_2025_20250507112401.pdf

5.5_20lb_P110_ICY_20250507112346.pdf

8.625_32lb_P110_ICY_20250507112321.pdf

10.75_45.5lb_J55_BTC_20250507112307.pdf

13.375_54.5lb_J55_20250507112244.pdf

CLAWHAMMER_33_28_21_FEDERAL_COM_336H_4_23_20250507112229.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: MAY 07, 2025 11:24 AM

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:

Phone:

Email address:

State:

Zip:

APPROVED by Long Vo Petroleum Engineer Carlsbad Field Office 575-988-50402 LVO@BLM.GOV

.

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	WPX Energy Permian LLC
LOCATION:	Section 33, T.26 S., R.30 E., NMPM
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Clawhammer 33-28-21 Federal Com 324H
ATS/API ID:	ATS-24-1770
APD ID:	10400098802
Sundry ID:	2851645
WELL NAME & NO.:	Clawhammer 33-28-21 Federal Com 325H
ATS/API ID:	ATS-24-1762
APD ID:	10400098813
Sundry ID:	2851645
WELL NAME & NO.:	Clawhammer 33-28-21 Federal Com 335H
ATS/API ID:	ATS-24-1763
APD ID:	10400098811
Sundry ID:	2851645
WELL NAME & NO.:	Clawhammer 33-28-21 Federal Com 336H
ATS/API ID:	ATS-24-1767
APD ID:	10400098818
Sundry ID:	2851645

COA

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H2S	No 🔽		
Potash	None	None	
Cave/Karst Potential	Medium 🔻		
Cave/Karst Potential			
Variance	🖸 None	Flex Hose	Other
Wellhead	Conventional and Multibowl		
Other	✓4 String □5 String	Capitan Reef None	□WIPP
Other	Pilot Hole None	Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter Int 2	Primary Cement Squeeze None
Special Requirements	□ Water Disposal/Injection	COM	🗌 Unit
Special Requirements	☑ Batch Sundry	Waste Prevention None	
Special Requirements Variance	☑ BOPE Break Testing☑ Offline BOPE Testing	Offline Cementing	Casing Clearance

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet **43 CFR part 3170 Subpart 3176**, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

- 1. The **13-3/8** inch surface casing shall be set at approximately **700 feet** (a minimum of 70 feet into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **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 <u>8</u> <u>hours</u> 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 10-3/4 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.

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

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

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Option 2:

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

- a. First stage: Operator will cement with intent to reach the top of the **Brushy** Canyon at 5611'.
- b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. (Squeeze 230 sxs Class C)
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Operator has proposed to pump down **10-3/4**" X **8-5/8**" annulus after primary cementing stage. <u>Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the **8-5/8**" casing to surface after the second stage <u>BH to verify TOC.</u></u>

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad. Operator may conduct a negative and positive pressure test during completion to remediate sustained casing pressure.

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

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

- In <u>Medium Cave/Karst Areas</u> 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 10-3/4 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 **8-5/8** 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. <u>When the Communitization Agreement number is known, it shall also be on the sign.</u>

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.
- The BOPE testing shall be conducted while the rig is stationary.

Offline BOPE Testing

Operator has been (Approved) to test the BOPE offline.

The BOPE offline testing shall be stationary during pressure testing.

Online BOPE testing should commence within 72 hours of offline BOPE testing completion. Notify the BLM if interval exceeds 72 hours.

Notify the BLM 4hrs prior to offline BOPE testing at Eddy County: 575-361-2822.

Offline Cementing

Operator has been (Approved) to pump the proposed cement program offline in the Intermediate(s) interval.

Offline cementing should commence within 24 hours of landing the casing for the interval.

Notify the BLM 4hrs prior to cementing offline at Eddy County: 575-361-2822.

Batch Sundry:

- Approval shall be for wells with surface, intermediate, and production section within 200' TVD tolerance between shoes above the deepest well shoe(s) set depth.
- Approval shall be for wells with same drill plan design. (Casing depth may vary and cement volumes may vary per Condition of Approval.)
- Approval shall be for wells within the same drill pad.
- Cement excess shall be a minimum of 25%, adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

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 (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 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43** CFR part **3170** Subpart **3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or

if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

- <u>Wait on cement (WOC) for Potash Areas:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least <u>8 hours</u>. 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. <u>Wait on cement (WOC) for Water Basin:</u> 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 <u>8 hours</u>. 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
- All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.

- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been

done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to 43 CFR part 3170
 Subpart 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR part 3170 Subpart 3172.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

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

Long Vo (LVO) 5/21/2025

Received by OCD: 5/21/2025 9:33:30 AM

eccive by 0.0D. 5/21/2025 7.55.50 AM			1 uge 52 0j -	
	UNITED STAT DEPARTMENT OF THE JREAU OF LAND MAN	INTERIOR	OMI	M APPROVED B No. 1004-0137 s: October 31, 2021
Do not use th		ORTS ON WELLS to drill or to re-enter an APD) for such proposals.	6. If Indian, Allottee or Tribe Nam	ne
	IN TRIPLICATE - Other inst	ructions on page 2	7. If Unit of CA/Agreement, Nam	ne and/or No.
1. Type of Well	as Well Other		8. Well Name and No.	
2. Name of Operator			9. API Well No.	
3a. Address		3b. Phone No. <i>(include area code)</i>	10. Field and Pool or Exploratory	/ Area
4. Location of Well (Footage, Sec.	T.,R.,M., or Survey Description	n)	11. Country or Parish, State	
12.0	THECK THE APPROPRIATE I	BOX(ES) TO INDICATE NATURE (DF NOTICE, REPORT OR OTHER	R DATA
TYPE OF SUBMISSION		TYPI	E OF ACTION	
Notice of Intent	Acidize	Deepen [Hydraulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair Change Plans	New Construction Image: Construction Plug and Abandon Image: Construction	Recomplete Temporarily Abandon	Other
Final Abandonment Notice	Convert to Injectio	n Plug Back	Water Disposal	
the proposal is to deepen direc the Bond under which the work completion of the involved ope	ionally or recomplete horizonta will be perfonned or provide t rations. If the operation results	he Bond No. on file with BLM/BIA.	asured and true vertical depths of a Required subsequent reports must b tion in a new interval, a Form 3160	Il pertinent markers and zones. Attach be filed within 30 days following 0-4 must be filed once testing has been

14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>)			
	Title		
Signature	Date		
THE SPACE FOR FEDE	RAL OR STATE O	FICE USE	
Approved by			
	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lead which would entitle the applicant to conduct operations thereon.			
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any any false, fictitious or fraudulent statements or representations as to any matter within		illfully to make to any department or agency of the United	1 States

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

Batch Well Data

CLAWHAMMER 33-28-21 FEDERAL COM 324H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

CLAWHAMMER 33-28-21 FEDERAL COM 335H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

CLAWHAMMER 33-28-21 FEDERAL COM 325H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

CLAWHAMMER 33-28-21 FEDERAL COM 336H, US Well Number: null, Case Number: NMNM0480904A, Lease Number: NMNM0480904A, Operator:WPX ENERGY PERMIAN LLC

Offline Cementing

Variance Request

Devon Energy requests to offline cement on intermediate strings that are set in formations shallower than the Wolfcamp. Prior to commencing offline cementing operations, the well will be monitored for any abnormal pressures and confirmed to be static. A dual manifold system (equipped with chokes) for the returns will also be utilized as a redundancy. All equipment used for offline cementing will have a minimum 5M rating to match intermediate sections' 5M BOPE requirements.

Section 2 - Blowout Preventer Testing Procedure

Variance Request

Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. The initial BOP test will follow 43 CFR 3172, and subsequent tests following a skid will only test connections that are broken. This test will at minimum include the Top Pipe Ram, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and BOP shell of the 10M BOPE to 5M for 10 minutes. Additional pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections. This variance will meet or exceed 43 CFR 3172 per the following: Devon Energy will perform a full BOP test per 43 CFR 3172 before drilling out of the intermediate casing string(s) and starting the production hole, testing the Annular during initial BOP testing to a minimum of 70% RWP and higher than MASP, and pressure testing at a 21-day interval frequency. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. In the event break testing is not utilized, then a full BOPE test would be conducted.

Devon Energy requests to perform offline BOP stump testing and offline BOPE testing. All pressurecontaining and pressure-controlling seals will be tested either online or offline as denoted in the table below and per BLM approval during initial BOP test following test pressure requirements set forth in 43 CFR 3172. Remaining components not tested offline or on the stump will be tested within 72-hours when the BOP is connected to the wellhead. If stump testing exceeds 72-hour window prior to connecting to the wellhead, the BLM will be notified and either stump testing restarted, or the BOP being tested online. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. In the event stump testing is not utilized, then a full BOPE test would be conducted.

Components	Offline	Offline, BOPE	Break	Online
Upper Rams		Х	Х	Х
Blind Rams		X		Х
Lower Rams				Х
Outside Kill Valve		Х	Х	Х
Inside Kill Valve		Х	Х	Х
Kill Line Check Valve		Х	Х	Х
Inside Choke Valve		Х	Х	X
HCR		Х	Х	Х
Kill Line	х			Х
Annular		Х		Х
Choke Manifold Valves and Hose	Х			X
Mudline (Mud Pumps, Rig Floor Valves, Kelly Hose, Mud Line)	Х			Х
Standpipe Valve	Х			Х
IBOP (Upper and Lower)	Х			X

Devon requests offline BOPE testing for the following components: Upper Rams, Blind Rams, Kill Valves, Choke Valves, and Annular Remaining well control equipment components will either be tested offline or online, per BLM approval

- Remaining BOPE will be tested online within 72-hours form completing the offline BOPE component testing
- Notify the BLM if the online BOPE testing exceeds 72-hours

All Full Tests not completed "Offline" or "Offline, BOPE" are required to be complete Online

Devon requests Break testing as stated above for 5K tests, not including production hole

Annular Preventer will be tested to minimum of 70% RWP and higher than MASP during initial BOP test

Pressure testing is required for pressure-containing connections if the integrity of a pressure seal is broken during a break test Full Tests required when entering production hole



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Tenaris

TenarisHydril Wedge 461[®]



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	тре вочу
	Grade: P110-IC
	1st Band: White
een	2nd Band: Pal
	3rd Band: Pale
	4th Band: -
	5th Band: -
	6th Dond:

Pine Rody

CY e Green Green 6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-ICY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry	
Nominal OD	5.500 in.
Nominal Weight	20.00 lb/ft
Drift	4.653 in.
Nominal ID	4.778 in.

Wall Thickness	0.361 in.
Plain End Weight	19.83 lb/fi
OD Tolerance	API

Performance

Maximum

Coupling

Grade: P110-ICY

Body: White 1st Band: Pale Gre

2nd Band: -

3rd Band: -

Body Yield Strength	729 x1000 lb
Min. Internal Yield Pressure	14,360 psi
SMYS	125,000 psi
Collapse Pressure	12,300 psi

Connection Data

Geometry	
Connection OD	6.300 in.
Coupling Length	7.714 in.
Connection ID	4.778 in.
Make-up Loss	3.775 in.
Threads per inch	3.40
Connection OD Option	Regular

Performance	
Tension Efficiency	100 %
Joint Yield Strength	729 x1000 lb
Internal Pressure Capacity	14,360 psi
Compression Efficiency	100 %
Compression Strength	729 x1000 lb
Max. Allowable Bending	104 °/100 ft
External Pressure Capacity	12,300 psi
Coupling Face Load	329,000 lb

Make-Up Torques	
Minimum	17,000 ft-lb
Optimum	18,000 ft-lb
Maximum	21,600 ft-lb
Operation Limit Torques	
Operating Torque	43,000 ft-Ib
Operating Torque Yield Torque	43,000 ft-lb 51,000 ft-lb

23,100 ft-lb

Notes

This connection is fully interchangeable with: Wedge 441® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) in. (lb/ft) Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.415 (23.00) / 0.476 (26.00) in. (lb/ft) Connections with Dopeless® Technology are fully compatible with the same connection in its doped version In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchonacoble. interchangeable

For the lastest performance data, always visit our website: www.tenaris.com For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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TenarisHydril Wedge 441[®] - AD



Pipe Body
Grade: P110-ICY
1st Band: White
2nd Band: Pale Green
3rd Band: Pale Green
4th Band: -
5th Band: -
6th Band: -

Outside Diameter	8.625 in.	Wall Thickness	0.352 in.	Grade	P110-ICY
Min. Wall Thickness	90.00 %	Pipe Body Drift	Alternative Drift	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry			
Nominal OD	8.625 in.	Wall Thickness	0.352 in.
Nominal Weight	32.00 lb/ft	Plain End Weight	31.13 lb/ft
Drift	7.875 in.	OD Tolerance	API
Nominal ID	7.921 in.		

Performance

Coupling

Grade: P110-ICY Body: White 1st Band: Pale Green 2nd Band: -3rd Band: -

Body Yield Strength	1144 x1000 lb
Min. Internal Yield Pressure	9180 psi
SMYS	125,000 psi
Collapse Pressure	4000 psi

Connection Data

Geometry	
Connection OD	8.889 in.
Coupling Length	8.862 in.
Connection ID	7.921 in.
Make-up Loss	3.744 in.
Threads per inch	3.43
Connection OD Option	Regular

Performance	
Tension Efficiency	81.20 %
Joint Yield Strength	929 x1000 lb
Internal Pressure Capacity	9180 psi
Compression Efficiency	81.20 %
Compression Strength	929 x1000 lb
Max. Allowable Bending	53.59 °/100 ft
External Pressure Capacity	4000 psi

Make-Up Torques	
Minimum	23,000 ft-Ib
Optimum	24,000 ft-Ib
Maximum	27,000 ft-Ib
Operation Limit Torques	
Operating Torque	59,000 ft-Ib
Yield Torque	70,000 ft-Ib
Buck-On	
Minimum	27,000 ft-lb
Maximum	29,000 ft-Ib

Notes

For the lastest performance data, always visit our website: www.tenaris.com For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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<u>10-3/4"</u>	<u>45.50#</u>	<u>0.400"</u>	<u>J-55</u>						
Dimensions (Nominal)									
Outside Diameter Wall Inside Diameter			10.750 0.400 9.950	in. in. in.					
Drift			9.875	in.					
Weight, T&C Weight, PE			45.500 44.260	lbs/ft lbs/ft					
<u>Performance</u>	e Properties								
Collapse			2090	psi					
Internal Yield Pres	sure at Minimum Yield								
	PE		3580	psi					
	STC		3580	psi					
	BTC		3580	psi					
Yield Strength, Pip	e Body		715	1000 lbs					
Joint Strength									
	STC		493	1000 lbs					
	BTC		796	1000 lbs					
	BTC Special Clearance (11.25" OD Cplg)	506	1000 lbs					

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

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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1. Geologic Formations

TVD of target	9878	Pilot hole depth	N/A
MD at TD:	19708	Deepest expected fresh water	

Basin

	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	675		
Salt	1506		
Base of Salt	3337		
Delaware	3337		
Cherry Canyon	4621		
Brushy Canyon	5611		
Bone Spring 1st	8301		
Bone Spring 2nd	8929		
3rd Bone Spring Lime	9223		

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

2. Casing P	rogram							
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	700 MD	0	700 TVD
12 1/4	10 3/4	45.5	J-55	BTC SCC	0	3390 MD	0	3390 TVD
9 7/8	8 5/8	32.0	P110-ICY	441	0	9240	0	9240
7 7/8	5 1/2	20.0	P110-ICY	461	0	19708 MD	0	9878 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 (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	544	Surf	13.2	1.4	Lead: Class C Cement + additives
Int	215	Surf	9.0	3.3	Lead: Class C Cement + additives
Int	101	2890	13.2	1.4	Tail: Class H / C + additives
Int 1	230	Surf	9.0	3.3	Lead: Class C Cement + additives
Int I	423	5611	13.2	1.4	Tail: Class H / C + additives
Int 1	230	Surf	0.0	3.3	Squeeze Lead: Class C Cement + additives
Intermediate	230	Surf	9.0	3.3	Lead: Class C Cement + additives
Squeeze	423	5611	13.2	1.4	Tail: Class H / C + additives
Production	119	7340	9.0	3.3	Lead: Class H /C + additives
FIGUUCUON	1372	9340	13.2	1.4	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%
Production	10%

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре	~	Tested to:																							
			Annular	Х	50% of rated working pressure																							
Int	13-5/8"	5M	Blind Ram	Х																								
int	13-5/8	JIVI	Pipe Ram		5M																							
			Double Ram	X	5141																							
			Other*																									
	13-5/8"		Annular	х	50% of rated working																							
		13-5/8"	13-5/8" 5M						pressure																			
Int 1				13-5/8"	13-5/8" 5M	13-5/8"	13-5/8" 5M		5M	13-5/8" 5M	13-5/8" 5M	3" 5M	5/8" 5M	/8" 5M	5M	Blind Ram	Х											
																					5111	0.01		10 0/0		Pipe Ram		5M
																Double Ram	X	5111										
			Other*																									
						Annular (5M)	х	50% of rated working																				
				. ,		pressure																						
Production	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	5M	Blind Ram	X																				
						15 5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	15 5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	15-5/6 5141	Pipe Ram		5M							
				Double Ram	X	5101																						
			Other*																									

4. Pressure Control Equipment (Four String Design)

5. Mud Program (Four String Design)

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

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

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

6. Logging and Testing Procedures

Logging, C	Logging, Coring and Testing							
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the							
Х	Completion Report 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.							

Additiona	al logs planned	Interval
	Resistivity	
	Density	
Х	CBL	Production casing
	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4623
Abnormal temperature	No

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

Hydrogren S	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 va	lues 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 pad.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be 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

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Clawhammer 33-28-21 Federal Com 324H

13 3/8	sur	face csg in a	17 1/2	inch hole.		Design I	actors			Surface		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50		j 55	btc	22.37	3.45	1.48	700	9	2.47	6.52	38,150
"B"				btc				0				0
	w/8.4#	/g mud, 30min Sfc Csg Test p	sig: 1,500	Tail Cmt	does not	circ to sfc.	Totals:	700				38,150
Comparison of	Proposed to M	inimum Required Cemer	t Volumes									
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
17 1/2	0.6946	544	762	486	57	9.00	1103	2M				1.56

10 3/4	са	asing 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	3.28	1.13	0.83	3,390	2	1.57	1.89	154,245
"B"								0				0
	w/8	3.4#/g mud, 30min Sfc Csg Test	osig: 1,027				Totals:	3,390				154,245
		The cement ve	olume(s) are intende	ed to achieve a top of	0	ft from su	urface or a	700				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
12 1/4	0.1882	316	851	673	27	10.50	2287	3M				0.50
r D V Tool(s):							sum of sx	<u>Σ</u> CuFt				Σ%excess
t by stage % :		#VALUE!	#VALUE!				316	851				27
Class 'C' tail cm	t yld > 1.35											

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.06, b, c, d All > 0.70, OK.

85/8	casin	g inside the	10 3/4	<u> </u>		Design Fa	<u>ctors</u>			Int 2		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	32.00		p 110	wedge 441	3.14	0.93	1.99	9,240	2	3.75	1.75	295,68
"B"								0				0
"C"								0				0
"D"								0				0
	w/8.4#/g	mud, 30min Sfc Csg Tes	st psig: 2,033				Totals:	9,240				295,68
		The cement	volume(s) are intend	ed to achieve a top of	3190	ft from su	rface or a	200				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
9 7/8	0.1261	653	1351	765	77	9.00	2445	3M				0.49
												50/
	Setti	ng Depths for D V To	ool(s): 5611				sum of sx	<u>Σ CuFt</u>				<u>∠%exce</u> s
	ss cmt by stage:	ng Depths for D V To 195	ool(s): 5611 147				sum of sx 883	<u>Σ CuFt</u> 2110				<u>∑%exce</u> 176
lass 'C' tail cm	ss cmt by stage:	• •										176
lass 'C' tail cm Tail cmt	ss cmt by stage: nt yld > 1.35	• •				Design	883			Prod 1		176
Class 'C' tail cm Tail cmt 5 1/2	ss cmt by stage: nt yld > 1.35	195	147	Coupling	Joint	Design Collapse	883		B@s	Prod 1 a-B	a-C	176
Class 'C' tail cm Tail cmt 5 1/2	ss cmt by stage: nt yld > 1.35 casing	195 g inside the	147	Coupling wedge 461	Joint 3.24		883 Factors	2110	B@s 3			Weigh
Tail cm Tail cmt 5 1/2 Segment	ss cmt by stage: ht yld > 1.35 casin; #/ft	195 g inside the	147 8 5/8			Collapse	883 Factors Burst	2110 Length	-	a-B	a-C	176
Tail cmt 5 1/2 Segment "A"	ss cmt by stage: ht yld > 1.35 casin; #/ft 20.00	195 g inside the	147 8 5/8 p 110			Collapse	883 Factors Burst	2110 Length 19,708	-	a-B	a-C	176 Weigh 394,16
Tail cmt 5 1/2 Segment "A"	ss cmt by stage: ht yld > 1.35 casin; #/ft 20.00	195 g inside the Grade mud, 30min Sfc Csg Tes	147 8 5/8 p 110 st psig: 2,173			Collapse	883 Factors Burst 2.74 Totals:	2110 Length 19,708 0	-	a-B	a-C 4.54	176 Weigh 394,16
Tail cmt 5 1/2 Segment "A"	ss cmt by stage: ht yld > 1.35 casin; #/ft 20.00	195 g inside the Grade mud, 30min Sfc Csg Tes	147 8 5/8 p 110 st psig: 2,173	wedge 461	3.24	Collapse 2.41	883 Factors Burst 2.74 Totals:	2110 Length 19,708 0 19,708	-	a-B	a-C 4.54	176 Weigh 394,16 0 394,16 overlap.
Tail cmt 5 1/2 Segment "A" "B"	ss cmt by stage: nt yld > 1.35 casin; #/ft 20.00 w/8.4#/g	195 g inside the Grade ; mud, 30min Sfc Csg Tes The cement	147 8 5/8 p 110 st psig: 2,173 volume(s) are intend	wedge 461	3.24 9040	Collapse 2.41 ft from su	883 Factors Burst 2.74 Totals: rface or a	2110 Length 19,708 0 19,708 200	-	a-B	a-C 4.54	176 Weigh 394,16 0 394,16
Tail cmt 5 1/2 Segment "A" "B" Hole	ss cmt by stage: ht yld > 1.35 casin; #/ft 20.00 w/8.4#/g Annular	195 g inside the Grade mud, 30min Sfc Csg Ter The cement 1 Stage	147 8 5/8 p 110 st psig: 2,173 volume(s) are intend 1 Stage	wedge 461 led to achieve a top of Min	3.24 9040 1 Stage	Collapse 2.41 ft from su Drilling	883 Factors Burst 2.74 Totals: rface or a Calc	2110 Length 19,708 0 19,708 200 Req'd	-	a-B	a-C 4.54	176 Weigh 394,16 0 394,16 overlap. Min Dis

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:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	326588
	Action Type:
	[C-103] NOI Change of Plans (C-103A)
CONDITIONS	

CONDITIONS		
Created By		Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	5/28/2025

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CONDITIONS

Action 326588