Sundry Print Report

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

Well Name: CLAWHAMMER 33-28-21 Well Location: T26S / R30E / SEC 33 / County or Parish/State: EDDY /

LOT 3 / 32.001444 / -103.887194 FEDERAL COM

Well Number: 322H Type of Well: OIL WELL **Allottee or Tribe Name:**

Lease Number: NMNM35607 **Unit or CA Name: Unit or CA Number:**

US Well Number: Operator: WPX ENERGY PERMIAN

LLC

Notice of Intent

Sundry ID: 2851525

Type of Submission: Notice of Intent Type of Action: APD Change

Date Sundry Submitted: 05/07/2025 **Time Sundry Submitted: 10:51**

Date proposed operation will begin: 05/08/2025

Procedure Description: WPX Energy Permian, LLC respectfully requests a BHL move and drill plan change for the subject well (API ID 10400098843). WPX also requests break test and offline cementing variances. Please see revised C102, drill plan, directional plan, and variance attachments. Permitted BHL: UL: K, 2620 FSL, 1395 FWL, 21-26S-30E Proposed BHL: UL: L, 2620 FSL, 825 FWL, 21-26S-30E

NOI Attachments

Procedure Description

Offline_Cementing___Variance_Request_20250507104830.pdf

Break_Test_Variance_Offline_BOP_2_3_2025_20250507104805.pdf

5.5_20lb_P110_ICY_20250507103524.pdf

8.625_32lb_P110_ICY_20250507103502.pdf

10.75_45.5lb_J55_BTC_20250507074456.pdf

13.375_54.5lb_J55_20250507074434.pdf

CLAWHAMMER_33_28_21_FEDERAL_COM_322H_Directional_Plan_04_23_25_20250507074309.pdf

CLAWHAMMER_33_28_21_FEDERAL_COM_322H_4_23_20250507074302.pdf

WA018358969_CLAWHAMMER_33_28_21_FEDERAL_COM_322H_WL_R2_SIGNED_20250507074227.pdf

vived by OCD: 5/21/2025 12:15:37 PM Well Name: CLAWHAMMER 33-28-21

FEDERAL COM

Well Location: T26S / R30E / SEC 33 / LOT 3 / 32.001444 / -103.887194

County or Parish/State: EDDY? of

Well Number: 322H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM35607

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: WPX ENERGY PERMIAN

Conditions of Approval

Specialist Review

Clawhammer 33 28 21 Federal Com 322H Sundry ID 2851525 20250521103758.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 10:48 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: State:

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:** 05/21/2025

Signature: Long Vo

Page 2 of 2

Zip:

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BUREAU OF LAND MANAGEMENT		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 1	TRIPLICATE - Other instructions on pag	ne 2	7. If Unit of CA/Agreement, N	Name and/or No.
1. Type of Well Oil Well Gas W	/ell 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 Explorat	tory Area
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)		11. Country or Parish, State	
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE (OF NOTICE, REPORT OR OTH	HER DATA
TYPE OF SUBMISSION		TYPI	E OF ACTION	
Notice of Intent	Acidize Deep Alter Casing Hyde	nen raulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report		Construction	Recomplete	Other
Final Abandonment Notice	= ' = '	and Abandon Back	Temporarily Abandon Water Disposal	
is ready for final inspection.)	tices must be filed only after all requirement	is, menumg recidina	non, have been completed and t	the operator has determined that the Site
14. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)			
		Title		
Signature		Date		
	THE SPACE FOR FED	ERAL OR STA	TE OFICE USE	
Approved by				
		Title]	Date
	ned. Approval of this notice does not warrar equitable title to those rights in the subject led duct operations thereon.			
	B U.S.C Section 1212, make it a crime for a ents or representations as to any matter with		and willfully to make to any de	epartment 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, 3162.3-4.

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

(Form 3160-5, page 2)

Additional Information

Location of Well

0. SHL: LOT 3 / 477 FSL / 2354 FWL / TWSP: 26S / RANGE: 30E / SECTION: 33 / LAT: 32.001444 / LONG: -103.887194 (TVD: 0 feet, MD: 0 feet)
PPP: LOT 3 / 100 FSL / 1395 FWL / TWSP: 26S / RANGE: 30E / SECTION: 33 / LAT: 32.000406 / LONG: -103.890288 (TVD: 8929 feet, MD: 9023 feet)
PPP: SESW / 146 FSL / 1387 FWL / TWSP: 26S / RANGE: 30E / SECTION: 21 / LAT: 32.0210557 / LONG: -103.8903511 (TVD: 9300 feet, MD: 16700 feet)
PPP: SESW / 161 FSL / 1390 FWL / TWSP: 26S / RANGE: 30E / SECTION: 28 / LAT: 32.0064864 / LONG: -103.8903077 (TVD: 9300 feet, MD: 11400 feet)
PPP: SENW / 2554 FNL / 1388 FWL / TWSP: 26S / RANGE: 30E / SECTION: 28 / LAT: 32.0136336 / LONG: -103.8903289 (TVD: 9300 feet, MD: 14000 feet)
BHL: NESW / 2620 FSL / 1395 FWL / TWSP: 26S / RANGE: 30E / SECTION: 21 / LAT: 32.027859 / LONG: -103.890371 (TVD: 9300 feet, MD: 19175 feet)

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 pressure-containing 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		X	X	Х
Blind Rams		Х		Х
Lower Rams				X
Outside Kill Valve		X	X	X
Inside Kill Valve		X	X	X
Kill Line Check Valve		Х	Х	Х
Inside Choke Valve		Х	Х	Х
HCR		X	X	X
Kill Line	X			X
Annular		X		X
Choke Manifold Valves and Hose	Χ			X
Mudline (Mud Pumps, Rig Floor Valves, Kelly Hose, Mud Line)	Х			X
Standpipe Valve	Х			X
IBOP (Upper and Lower)	X			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

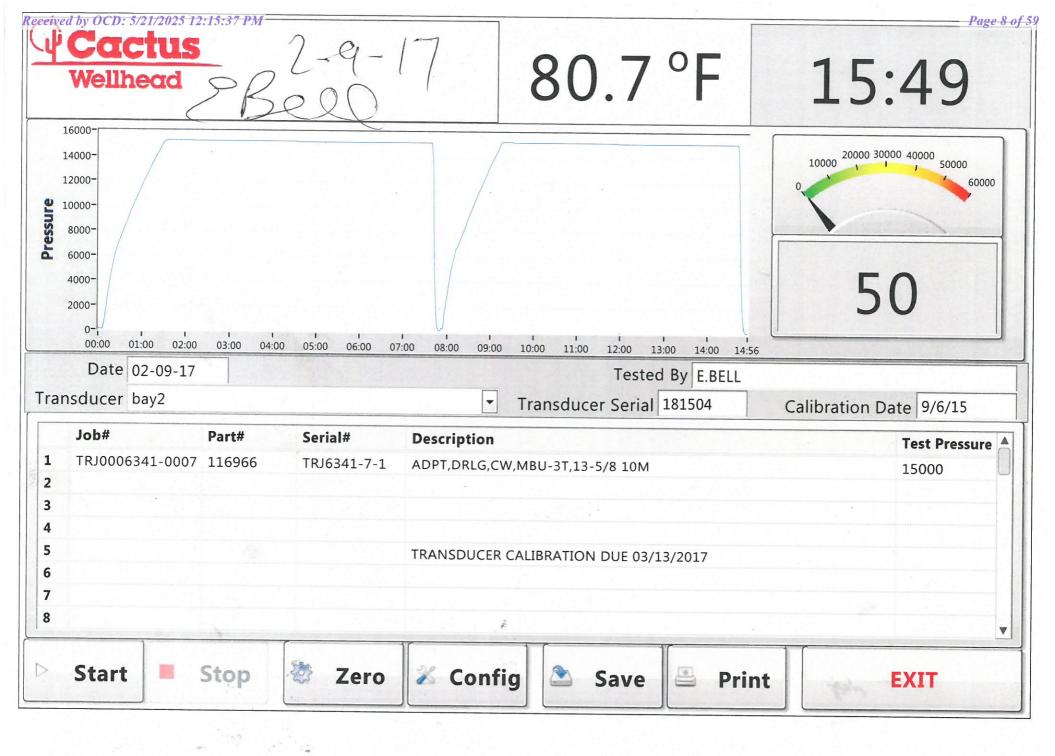
Notify the BLM if the online BOPE testing exceeds 72-hours

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





TenarisHydril Wedge 461®



Coupling	Pipe Body
Grade: P110-ICY	Grade: P110-ICY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	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.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

Performance	
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-lb
Yield Torque	51,000 ft-lb
Buck-On	
Minimum	21,600 ft-lb
Maximum	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 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



 Coupling
 Pipe Body

 Grade: P110-ICY
 Grade: P110-ICY

 Body: White
 1st Band: White

 1st Band: Pale Green
 2nd Band: Pale Green

 2nd Band: 3rd Band: Pale Green

3rd Band: -

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	
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-lb
Operation Limit Torques	
Operating Torque	59,000 ft-lb
Yield Torque	70,000 ft-lb
Buck-On	
Minimum	27,000 ft-lb
Maximum	29,000 ft-lb

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>	0.400"	<u>J-55</u>	
<u>Dimensions</u> ((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
<u>Performance</u>	<u>Properties</u>			
Collapse			2090	psi
Internal Yield Pres	sure at Minimum Yield			
	PE		3580	psi
	STC		3580	psi
	ВТС		3580	psi
Yield Strength, Pip	e Body		715	1000 lbs
Joint Strength				
	STC		493	1000 lbs
	ВТС		796	1000 lbs
	BTC Special Clearance ((11.25" OD Cplg)	506	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.



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

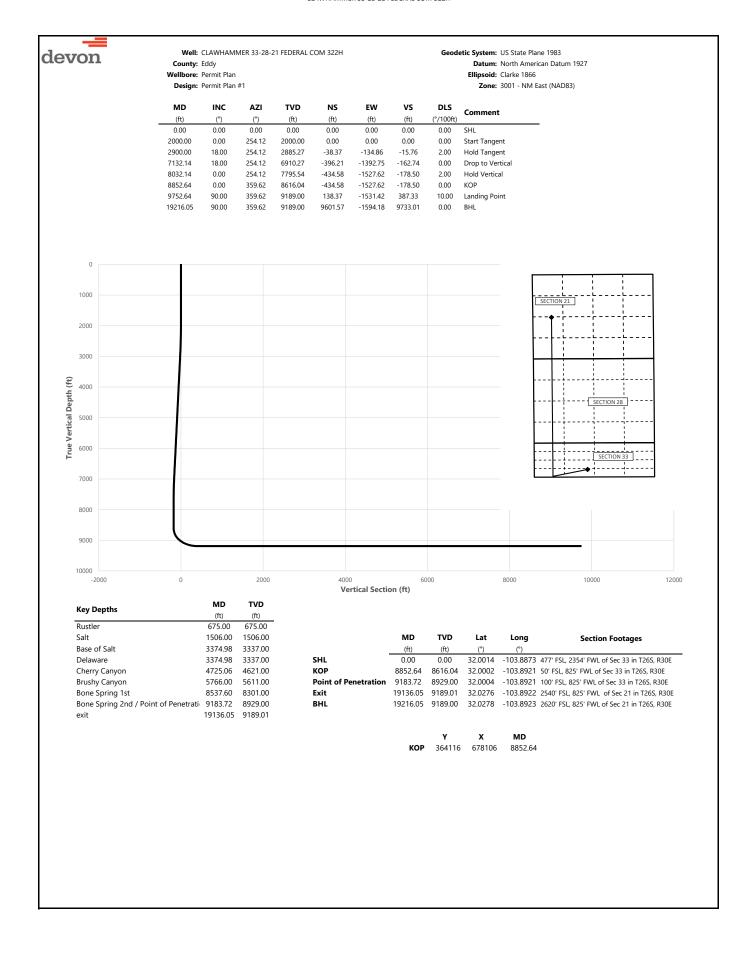
Dimensions (Nominal)

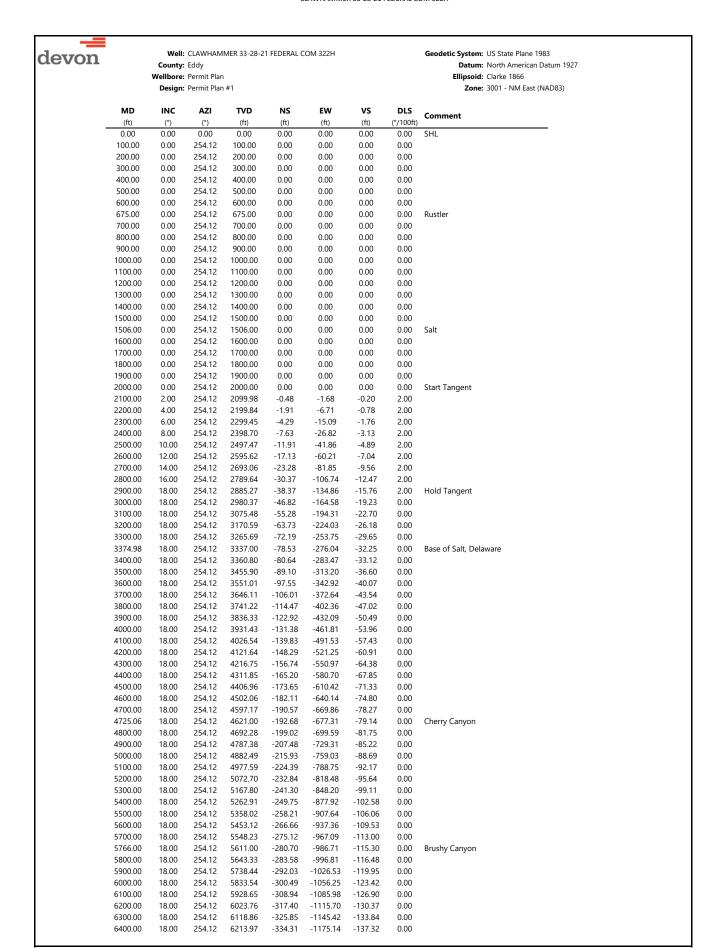
Outside Diameter	13.375	in.
Wall	0.380	in.
Inside Diameter	12.615	in.
Drift	12.459	in.
Weight, T&C	54.500	lbs/ft
Weight, PE	52.790	lbs/ft

Performance Ratings, Minimum

Collapse, PE	1130	psi
Internal Yields Pressure		
PE	2730	psi
STC	2730	PSI
ВТС	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.







Well: CLAWHAMMER 33-28-21 FEDERAL COM 322H

County: Eddy

Wellbore: Permit Plan

Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 Ellipsoid: Clarke 1866

	Design: Permit Plan #1							Zone: 3001 - NM East (NAD83)			
MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment			
6500.00	18.00	254.12	6309.07	-342.76	-1204.87	-140.79	0.00				
6600.00	18.00	254.12	6404.18	-351.22	-1234.59	-144.26	0.00				
6700.00	18.00	254.12	6499.28	-359.68	-1264.31	-147.73	0.00				
6800.00	18.00	254.12	6594.39	-368.13	-1294.03	-151.21	0.00				
6900.00 7000.00	18.00 18.00	254.12 254.12	6689.49 6784.60	-376.59 -385.04	-1323.76 -1353.48	-154.68 -158.15	0.00				
7100.00	18.00	254.12	6879.71	-393.50	-1333.40	-161.63	0.00				
7132.14	18.00	254.12	6910.27	-396.21	-1392.75	-162.74	0.00	Drop to Vertical			
7200.00	16.64	254.12	6975.05	-401.74	-1412.19	-165.01	2.00	'			
7300.00	14.64	254.12	7071.35	-409.12	-1438.12	-168.04	2.00				
7400.00	12.64	254.12	7168.52	-415.57	-1460.81	-170.69	2.00				
7500.00	10.64	254.12	7266.46	-421.09	-1480.22	-172.96	2.00				
7600.00	8.64	254.12	7365.04	-425.68	-1496.33	-174.84	2.00				
7700.00 7800.00	6.64 4.64	254.12 254.12	7464.14 7563.66	-429.31 -432.00	-1509.12 -1518.58	-176.33 -177.44	2.00 2.00				
7900.00	2.64	254.12	7663.45	-433.74	-1524.69	-178.15	2.00				
8000.00	0.64	254.12	7763.40	-434.53	-1527.44	-178.48	2.00				
8032.14	0.00	254.12	7795.54	-434.58	-1527.62	-178.50	2.00	Hold Vertical			
8100.00	0.00	359.62	7863.40	-434.58	-1527.62	-178.50	0.00				
8200.00	0.00	359.62	7963.40	-434.58	-1527.62	-178.50	0.00				
8300.00	0.00	359.62	8063.40	-434.58	-1527.62	-178.50	0.00				
8400.00	0.00	359.62	8163.40	-434.58	-1527.62	-178.50	0.00				
8500.00	0.00	359.62	8263.40	-434.58	-1527.62 -1527.62	-178.50	0.00	Pone Spring 1st			
8537.60 8600.00	0.00	359.62 359.62	8301.00 8363.40	-434.58 -434.58	-1527.62	-178.50 -178.50	0.00	Bone Spring 1st			
8700.00	0.00	359.62	8463.40	-434.58	-1527.62	-178.50	0.00				
8800.00	0.00	359.62	8563.40	-434.58	-1527.62	-178.50	0.00				
8852.64	0.00	359.62	8616.04	-434.58	-1527.62	-178.50	0.00	KOP			
8900.00	4.74	359.62	8663.35	-432.62	-1527.63	-176.56	10.00				
9000.00	14.74	359.62	8761.78	-415.73	-1527.74	-159.88	10.00				
9100.00	24.74	359.62	8855.79	-382.01	-1527.97	-126.58	10.00				
9183.72	33.11	359.62	8929.00	-341.56	-1528.23	-86.63	10.00	Bone Spring 2nd / Point of Penetration			
9200.00 9300.00	34.74 44.74	359.62 359.62	8942.51 9019.31	-332.47 -268.63	-1528.29 -1528.72	-77.66 -14.61	10.00 10.00				
9400.00	54.74	359.62	9083.86	-192.42	-1529.22	60.65	10.00				
9500.00	64.74	359.62	9134.20	-106.16	-1529.80	145.84	10.00				
9600.00	74.74	359.62	9168.79	-12.47	-1530.42	238.37	10.00				
9700.00	84.74	359.62	9186.58	85.80	-1531.07	335.42	10.00				
9752.64	90.00	359.62	9189.00	138.37	-1531.42	387.33	10.00	Landing Point			
9800.00	90.00	359.62	9189.00	185.73	-1531.73	434.10	0.00				
9900.00	90.00	359.62	9189.00	285.73	-1532.39	532.86	0.00				
10000.00 10100.00	90.00 90.00	359.62 359.62	9189.00 9189.00	385.72 485.72	-1533.06 -1533.72	631.62 730.37	0.00				
10200.00	90.00	359.62	9189.00	585.72	-1534.39	829.13	0.00				
10300.00	90.00	359.62	9189.00	685.72	-1535.05	927.88	0.00				
10400.00	90.00	359.62	9189.00	785.71	-1535.71	1026.64	0.00				
10500.00	90.00	359.62	9189.00	885.71	-1536.38	1125.40	0.00				
10600.00	90.00	359.62	9189.00	985.71	-1537.04	1224.15	0.00				
10700.00	90.00	359.62	9189.00	1085.71	-1537.70	1322.91	0.00				
10800.00 10900.00	90.00 90.00	359.62 359.62	9189.00 9189.00	1185.71 1285.70	-1538.37 -1539.03	1421.67 1520.42	0.00				
11000.00	90.00	359.62	9189.00	1385.70	-1539.03	1619.18	0.00				
11100.00	90.00	359.62	9189.00	1485.70	-1540.36	1717.93	0.00				
11200.00	90.00	359.62	9189.00	1585.70	-1541.02	1816.69	0.00				
11300.00	90.00	359.62	9189.00	1685.69	-1541.69	1915.45	0.00				
11400.00	90.00	359.62	9189.00	1785.69	-1542.35	2014.20	0.00				
11500.00	90.00	359.62	9189.00	1885.69	-1543.01	2112.96	0.00				
11600.00	90.00	359.62	9189.00 9189.00	1985.69	-1543.68	2211.71	0.00				
11700.00 11800.00	90.00 90.00	359.62 359.62	9189.00	2085.69 2185.68	-1544.34 -1545.01	2310.47 2409.23	0.00				
11900.00	90.00	359.62	9189.00	2285.68	-1545.67	2507.98	0.00				
12000.00	90.00	359.62	9189.00	2385.68	-1546.33	2606.74	0.00				
12100.00	90.00	359.62	9189.00	2485.68	-1547.00	2705.49	0.00				
12200.00	90.00	359.62	9189.00	2585.67	-1547.66	2804.25	0.00				
12300.00	90.00	359.62	9189.00	2685.67	-1548.32	2903.01	0.00				
12400.00	90.00	359.62	9189.00	2785.67	-1548.99	3001.76	0.00				
12500.00	90.00	359.62	9189.00	2885.67	-1549.65	3100.52	0.00				
12600.00 12700.00	90.00 90.00	359.62 359.62	9189.00 9189.00	2985.67 3085.66	-1550.32 -1550.98	3199.27 3298.03	0.00				
12800.00	90.00	359.62	9189.00	3185.66	-1551.64	3396.79	0.00				



Well: CLAWHAMMER 33-28-21 FEDERAL COM 322H

County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 **Ellipsoid:** Clarke 1866

Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	vs	DLS	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
2900.00	90.00	359.62	9189.00	3285.66	-1552.31	3495.54	0.00	
3000.00	90.00	359.62	9189.00	3385.66	-1552.97	3594.30	0.00	
3100.00	90.00	359.62	9189.00	3485.65	-1553.63	3693.05	0.00	
3200.00	90.00	359.62	9189.00	3585.65	-1554.30	3791.81	0.00	
3300.00	90.00	359.62	9189.00	3685.65	-1554.96	3890.57	0.00	
3400.00	90.00	359.62	9189.00	3785.65	-1555.63	3989.32	0.00	
3500.00	90.00	359.62	9189.00	3885.65	-1556.29	4088.08	0.00	
3600.00	90.00	359.62	9189.00	3985.64	-1556.95	4186.83	0.00	
13700.00	90.00	359.62	9189.00	4085.64	-1557.62	4285.59	0.00	
13800.00	90.00	359.62	9189.01	4185.64	-1558.28	4384.35	0.00	
13900.00	90.00	359.62	9189.01	4285.64	-1558.94	4483.10	0.00	
14000.00	90.00	359.62	9189.01	4385.63	-1559.61	4581.86	0.00	
14100.00	90.00	359.62	9189.01	4485.63	-1560.27	4680.61	0.00	
4200.00	90.00	359.62	9189.01	4585.63	-1560.94	4779.37	0.00	
4300.00	90.00	359.62	9189.01	4685.63	-1561.60	4878.13	0.00	
4400.00	90.00	359.62	9189.01	4785.63	-1562.26	4976.88	0.00	
4500.00	90.00	359.62	9189.01	4885.62	-1562.93	5075.64	0.00	
1600.00	90.00	359.62	9189.01	4985.62	-1563.59	5174.39	0.00	
4700.00	90.00	359.62	9189.01	5085.62	-1564.25	5273.15	0.00	
4800.00	90.00	359.62	9189.01	5185.62	-1564.92	5371.91	0.00	
4900.00	90.00	359.62	9189.01	5285.62	-1565.58	5470.66	0.00	
5000.00	90.00	359.62	9189.01	5385.61	-1566.25	5569.42	0.00	
5100.00	90.00	359.62	9189.01	5485.61	-1566.91	5668.17	0.00	
5200.00	90.00	359.62	9189.01	5585.61	-1567.57	5766.93	0.00	
5300.00	90.00	359.62	9189.01	5685.61	-1568.24	5865.69	0.00	
5400.00	90.00	359.62	9189.01	5785.60	-1568.90	5964.44	0.00	
5500.00	90.00	359.62	9189.01	5885.60	-1569.56	6063.20	0.00	
5600.00	90.00	359.62	9189.01	5985.60	-1570.23	6161.95	0.00	
5700.00	90.00	359.62	9189.01	6085.60	-1570.89	6260.71	0.00	
5800.00	90.00	359.62	9189.01	6185.60	-1571.56	6359.47	0.00	
5900.00	90.00	359.62	9189.01	6285.59	-1572.22	6458.22	0.00	
6000.00	90.00	359.62	9189.01	6385.59	-1572.88	6556.98	0.00	
5100.00	90.00	359.62	9189.01	6485.59	-1573.55	6655.73	0.00	
6200.00	90.00	359.62	9189.01	6585.59	-1574.21	6754.49	0.00	
6300.00	90.00	359.62	9189.01	6685.58	-1574.87	6853.25	0.00	
6400.00	90.00	359.62	9189.01	6785.58	-1575.54	6952.00	0.00	
6500.00	90.00	359.62	9189.01	6885.58	-1576.20	7050.76	0.00	
6600.00	90.00	359.62	9189.01	6985.58	-1576.87	7149.51	0.00	
6700.00	90.00	359.62	9189.01	7085.58	-1577.53	7248.27	0.00	
6800.00	90.00	359.62	9189.01	7185.57	-1578.19	7347.03	0.00	
6900.00	90.00	359.62	9189.01	7285.57	-1578.86	7445.78	0.00	
7000.00	90.00	359.62	9189.01	7385.57	-1579.52	7544.54	0.00	
7100.00	90.00	359.62	9189.01	7485.57	-1580.18	7643.29	0.00	
7200.00	90.00	359.62	9189.01	7585.56	-1580.85	7742.05	0.00	
7300.00	90.00	359.62	9189.01	7685.56	-1581.51	7840.81	0.00	
7400.00	90.00	359.62	9189.01	7785.56	-1582.18	7939.56	0.00	
7500.00	90.00	359.62	9189.01	7885.56	-1582.84	8038.32	0.00	
7600.00	90.00	359.62	9189.01	7985.56	-1583.50	8137.08	0.00	
7700.00	90.00	359.62	9189.01	8085.55	-1584.17	8235.83	0.00	
7800.00	90.00	359.62	9189.01	8185.55	-1584.83	8334.59	0.00	
7900.00	90.00	359.62	9189.01	8285.55	-1585.49	8433.34	0.00	
8000.00	90.00	359.62	9189.01	8385.55	-1586.16	8532.10	0.00	
3100.00	90.00	359.62	9189.01	8485.54	-1586.82	8630.86	0.00	
8200.00	90.00	359.62	9189.01	8585.54	-1587.49	8729.61	0.00	
8300.00	90.00	359.62	9189.01	8685.54	-1588.15	8828.37	0.00	
8400.00	90.00	359.62	9189.01	8785.54	-1588.81	8927.12	0.00	
8500.00	90.00	359.62	9189.01	8885.54	-1589.48	9025.88	0.00	
8600.00	90.00	359.62	9189.01	8985.53	-1590.14	9124.64	0.00	
8700.00	90.00	359.62	9189.01	9085.53	-1590.80	9223.39	0.00	
00.0088	90.00	359.62	9189.01	9185.53	-1591.47	9322.15	0.00	
8900.00	90.00	359.62	9189.01	9285.53	-1592.13	9420.90	0.00	
9000.00	90.00	359.62	9189.01	9385.52	-1592.80	9519.66	0.00	
19100.00	90.00	359.62	9189.01	9485.52	-1593.46	9618.42	0.00	
	90.00	359.62	9189.01	9521.57	-1593.70	9654.02	0.00	exit
19136.05				9585.52	-1594.12	9717.17	0.00	
19136.05 19200.00	90.00	359.62	9189.01	9303.32	-1334.12	37 17.17	0.00	

1. Geologic Formations

TVD of target	9189	Pilot hole depth	N/A
MD at TD:	19216	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		

^{*}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	8753	0	8753
7 7/8	5 1/2	20.0	P110-ICY	461	0	19216 MD	0	9189 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 C		Lead: Class C Cement + additives			
III I	368	5611	13.2	1.4	Tail: Class H / C + additives	
Int 1	230	Surf	0.0 3.3 Squeeze Lead: Class C C		Squeeze Lead: Class C Cement + additives	
Intermediate	230	Surf	9.0	3.3	Lead: Class C Cement + additives	
Squeeze	Squeeze 368 5611		13.2	1.4	Tail: Class H / C + additives	
Production	119	6853	9.0	3.3	Lead: Class H /C + additives	
rioddetion	1372	8853	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%

4. Pressure Control Equipment (Four String Design)

4. I ressure Control Equipment (For						
BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		✓	Tested to:
			Annular		X	50% of rated working pressure
Int	13-5/8"	5M	Bline	d Ram	X	
Int	13-3/8	SIVI	Pipe	Ram		5M
			Doub	le Ram	X	SIVI
			Other*			
	13-5/8"	5M	Anı	nular	X	50% of rated working pressure
Int 1			Blind Ram		X	5M
IIIt I	13-3/6		Pipe Ram			
			Double Ram		X	
			Other*			
			Annular (5M) Blind Ram		X	50% of rated working
	13-5/8"				Λ	pressure
Production		5M			X	5M
1 loduction			Pipe Ram			
			Doub	le Ram	X	3111
			Other*			

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

or bossing and resump research							
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.						

Addition	al logs planned	Interval
	Resistivity	
	Density	
X	CBL	Production casing
	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4300
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 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.

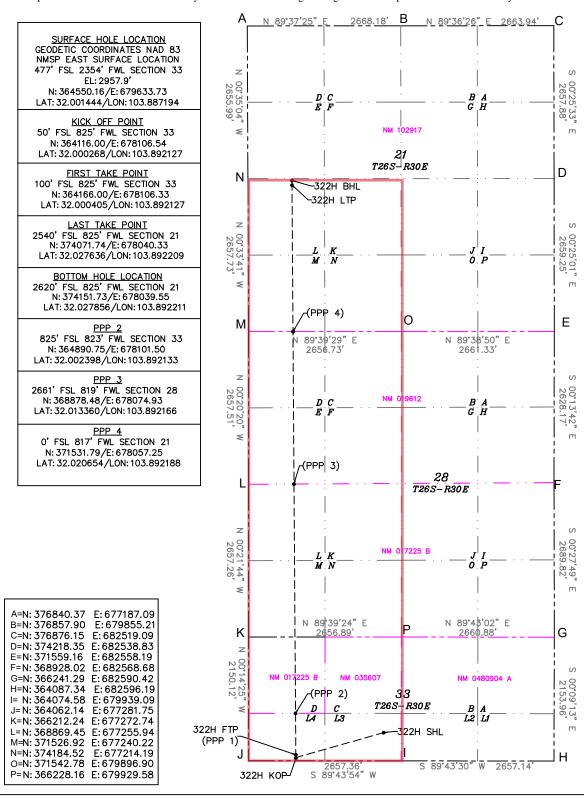
Attachments	1
X	Directional Plan
	Other, describe

C-102 State of I Energy, Minerals & Natural OIL CONSERVAT						tural		Revised July, 2024			
Submit Electronically					VA'I'	TON DIVISION					
Via OCD Permitting							Submittal				
							Type:	☐ Amended Repor	t		
										☐ As Drilled	
				W	ELL LO	CATI	ON INFORMATIO	N			
API N	umber		Pool Cod			F	ool Name				
			D (97863			WILDC	AT G-03	S263010	6K;BONE SPRIN	G
Prope	rty Code		Property		TAWHAM	IMER	33-28-21 FFD (OM		Well Number 322H	
CLAWHAMMER 33-28-21 FED COM 322H OGRID No. Operator Name Ground Level Elev							Elevation				
	6137		•		WPX I	ENER	GY PERMIAN, LLC	•		2957.9'	
Surfac	ce Owner:	□State □	Fee □Trib	al XFe	deral		Mineral Owner:	□State	□Fee □	Tribal Federal	
						Surfa	ace Location				
UL	Section	Township	Range	Lot	Ft. from	m N/	S Ft. from E/W	Latitude		Longitude	County
	33	26-S	30-E	3	477'	\mathbf{S}	2354'W	32.001	444	103.887194	EDDY
					B	ottom	Hole Location				
UL	Section	Township	Range	Lot	Ft. from			Latitude		Longitude	County
L	21	26-S	30-E		2620		825' W	32.027	856	103.892211	EDDY
	~1	20 0	00 L		2020		020 11	02.021		100.002211	пррт
Dodinat	od Aoros	Infill or Dof	ining Wall	Dofining	Wall ADI	Overl	apping Spacing Uni	+ (v/N)	Consoli	dation Code	
Deulcat	eu Acres			_		Overr	apping spacing on	(1/11)	Conson	dation code	
609.:		DEFININ	IG	SUBJ	ECT	CCT N U					
Order	Numbers	PENDING	NSP			Well	setbacks are under	Common	0wnersl	nip: XYes □No	
					Vic	Jr Off	Point (KOP)				
UL	Section	Township	Range	Lot			S Ft. from E/W	Latitude		Longitude	County
OL	33	26-S	30-E	4	50'		825' W	32.000	260	103.892127	EDDY
	33	20-3	90-E	4	30	<u>ာ</u>	023 W	32.000	200	103.092127	EDDI
			ı	T			ke Point (FTP)				
UL	Section	Township	Range	Lot	Ft. from	•	·	Latitude		Longitude	County
	33	26-S	30-E	4	100'	\mathbf{S}	825' W	32.000405		103.892127	EDDY
			•		La	st Tal	ke Point (LTP)			,	
UL	Section	Township	Range	Lot	Ft. from	m N/	S Ft. from E/W	Latitude		Longitude	County
L	21	26-S	30-E		2540	' S	825' W	32.027	636	103.892209	EDDY
Unitiz	ed Area or A	Area of Uniform			Spac	eing U	Unit Type Horizontal Vertical Ground Floor Elevation:			vation:	
		Y					Λ			IV/A	
OPERA	TOR CERTI	FICATIONS					SURVEYOR CERTIFIC	ATIONS			
I hereby	certify that the	e information cor				e best			own on this	nlat was platted from fiel	d notes
		belief, and, if the ns a working inte					I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under supervision, and that the same is true and				
including	g the proposed	bottom hole loca	ation or has a r	ight to drill	this well at th		correct to the best of my be	elief.		-7 R. I	
		contract with an o				order				a ER MILL	DEHOLOS
mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.									WEX	/\^\%\	
If this well is a horizontal well, I further certify that this organization has received the					ed the					6 \	
consent of at least one lessee or owner of a working interest or unleased mineral				վ				23261	_))		
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								PR HOPLE	1 / 6		
division.								10 V			
		Brown		2025			a:	C.D. C			~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Signature Date					Signature and Seal	of Profe	ssional	Surveyor / ONAL	5		
Amy	Brown										-
Printed Name					(Certificate Number	Date of	Survey			
amy.	brown@dvn	.com									
	l Address						23261	02/20	25		

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.



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

Sundry Print Reports
05/21/2025

Well Name: CLAWHAMMER 33-28-21 Well Location: T26S / R30E / SEC 33 / County or Parish/State: EDDY /

FEDERAL COM LOT 3 / 32.001444 / -103.887194

Well Number: 322H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM35607 Unit or CA Name: Unit or CA Number:

US Well Number: Operator: WPX ENERGY PERMIAN

LLC

Notice of Intent

Sundry ID: 2851525

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/07/2025 Time Sundry Submitted: 10:51

Date proposed operation will begin: 05/08/2025

Procedure Description: WPX Energy Permian, LLC respectfully requests a BHL move and drill plan change for the subject well (API ID 10400098843). WPX also requests break test and offline cementing variances. Please see revised C102, drill plan, directional plan, and variance attachments. Permitted BHL: UL: K, 2620 FSL, 1395 FWL, 21-26S-30E Proposed BHL: UL: L, 2620 FSL, 825 FWL, 21-26S-30E

NOI Attachments

Procedure Description

Offline_Cementing___Variance_Request_20250507104830.pdf

Break_Test_Variance_Offline_BOP_2_3_2025_20250507104805.pdf

5.5_20lb_P110_ICY_20250507103524.pdf

8.625_32lb_P110_ICY_20250507103502.pdf

10.75_45.5lb_J55_BTC_20250507074456.pdf

13.375_54.5lb_J55_20250507074434.pdf

CLAWHAMMER_33_28_21_FEDERAL_COM_322H_Directional_Plan_04_23_25_20250507074309.pdf

CLAWHAMMER_33_28_21_FEDERAL_COM_322H_4_23_20250507074302.pdf

 $WA 018358969_CLAW HAMMER_33_28_21_FEDERAL_COM_322H_WL_R2_SIGNED_20250507074227.pdf$

Page 1 of 2

well by OCD: 5/21/2025 12:15:37 PM Well Name: CLAWHAMMER 33-28-21

FEDERAL COM

Well Location: T26S / R30E / SEC 33 / LOT 3 / 32.001444 / -103.887194

County or Parish/State: Page 25 of

Well Number: 322H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM35607

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: WPX ENERGY PERMIAN

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

Signed on: MAY 07, 2025 10:48 AM **Operator Electronic Signature: AMY BROWN**

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:

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

Page 2 of 2

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

COA

H2S	No 🔻		
Potash	None 🔻	None	
Cave/Karst Potential	Medium •		
Cave/Karst Potential	Critical		
Variance	O 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 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 **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 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. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the 8-5/8" casing to surface after the second stage BH to verify TOC.

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

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

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

- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least 200 feet into previous casing string.
 Operator shall provide method of verification.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

C. PRESSURE CONTROL

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

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. Annular which shall be tested to 2100 (70% Working Pressure) psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 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. When the Communitization Agreement number is known, it shall also be on the sign.

BOPE Break Testing Variance (Approved)

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR part 3170 Subpart 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.
- 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.

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.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL
- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Long Vo (LVO) 5/21/2025

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BUREAU OF LAND MANAGEMENT			5. Lease Serial No.			
Do not use this t	NOTICES AND REPO form for proposals to Use Form 3160-3 (Al	o drill or to re-	enter an	6. If Indian, Allottee or Tribe Name		
SUBMIT IN THIPLICATE - Other instructions on page 2				7. If Unit of CA/Agreement, Name and/or No.		
1. Type of Well Oil Well Gas V	Vell Other			8. Well Name and No.		
2. Name of Operator				9. API Well No.		
3a. Address		3b. Phone No. (inclu	de area code)	10. Field and Pool or Explor	ratory Are	ea
4. Location of Well (Footage, Sec., T., F	R.,M., or Survey Description)			11. Country or Parish, State	11. Country or Parish, State	
12. CHE	CK THE APPROPRIATE BO	OX(ES) TO INDICAT	ΓΕ NATURE	OF NOTICE, REPORT OR O	THER DA	ATA
TYPE OF SUBMISSION			TYP	E OF ACTION		
Notice of Intent	Acidize Alter Casing	Deepen Hydraulic 1	Fracturing	Production (Start/Resume	e)	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Const	_	Recomplete		Other
Subsequent Report	Change Plans	Plug and A	bandon	Temporarily Abandon		
Final Abandonment Notice	Convert to Injection	Plug Back		Water Disposal		
is ready for final inspection.)	two and someth News /D.	utod/Timed)				
14. I hereby certify that the foregoing is	true and correct. Name (Prin	nted/Typed) Title				
		Title				
Signature		Date	:			
	THE SPACE	FOR FEDERA	L OR STA	ATE OFICE USE		
Approved by						
			Title		Date	
Conditions of approval, if any, are attackertify that the applicant holds legal or which would entitle the applicant to con	equitable title to those rights i		Office		•	
Title 18 U.S.C Section 1001 and Title 4	3 U.S.C Section 1212, make i	it a crime for any pers	son knowingl	y and willfully to make to any	departme	nt 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, 3162.3-4.

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

(Form 3160-5, page 2)

Additional Information

Location of Well

0. SHL: LOT 3 / 477 FSL / 2354 FWL / TWSP: 26S / RANGE: 30E / SECTION: 33 / LAT: 32.001444 / LONG: -103.887194 (TVD: 0 feet, MD: 0 feet)
PPP: LOT 3 / 100 FSL / 1395 FWL / TWSP: 26S / RANGE: 30E / SECTION: 33 / LAT: 32.000406 / LONG: -103.890288 (TVD: 8929 feet, MD: 9023 feet)
PPP: SESW / 146 FSL / 1387 FWL / TWSP: 26S / RANGE: 30E / SECTION: 21 / LAT: 32.0210557 / LONG: -103.8903511 (TVD: 9300 feet, MD: 16700 feet)
PPP: SESW / 161 FSL / 1390 FWL / TWSP: 26S / RANGE: 30E / SECTION: 28 / LAT: 32.0064864 / LONG: -103.8903077 (TVD: 9300 feet, MD: 11400 feet)
PPP: SENW / 2554 FNL / 1388 FWL / TWSP: 26S / RANGE: 30E / SECTION: 28 / LAT: 32.0136336 / LONG: -103.8903289 (TVD: 9300 feet, MD: 14000 feet)
BHL: NESW / 2620 FSL / 1395 FWL / TWSP: 26S / RANGE: 30E / SECTION: 21 / LAT: 32.027859 / LONG: -103.890371 (TVD: 9300 feet, MD: 19175 feet)

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 pressure-containing 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		X	X	Х
Blind Rams		Х		Х
Lower Rams				X
Outside Kill Valve		X	X	X
Inside Kill Valve		X	X	X
Kill Line Check Valve		Х	Х	Х
Inside Choke Valve		Х	Х	Х
HCR		X	X	X
Kill Line	X			X
Annular		X		X
Choke Manifold Valves and Hose	Χ			X
Mudline (Mud Pumps, Rig Floor Valves, Kelly Hose, Mud Line)	Х			X
Standpipe Valve	Х			X
IBOP (Upper and Lower)	X			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

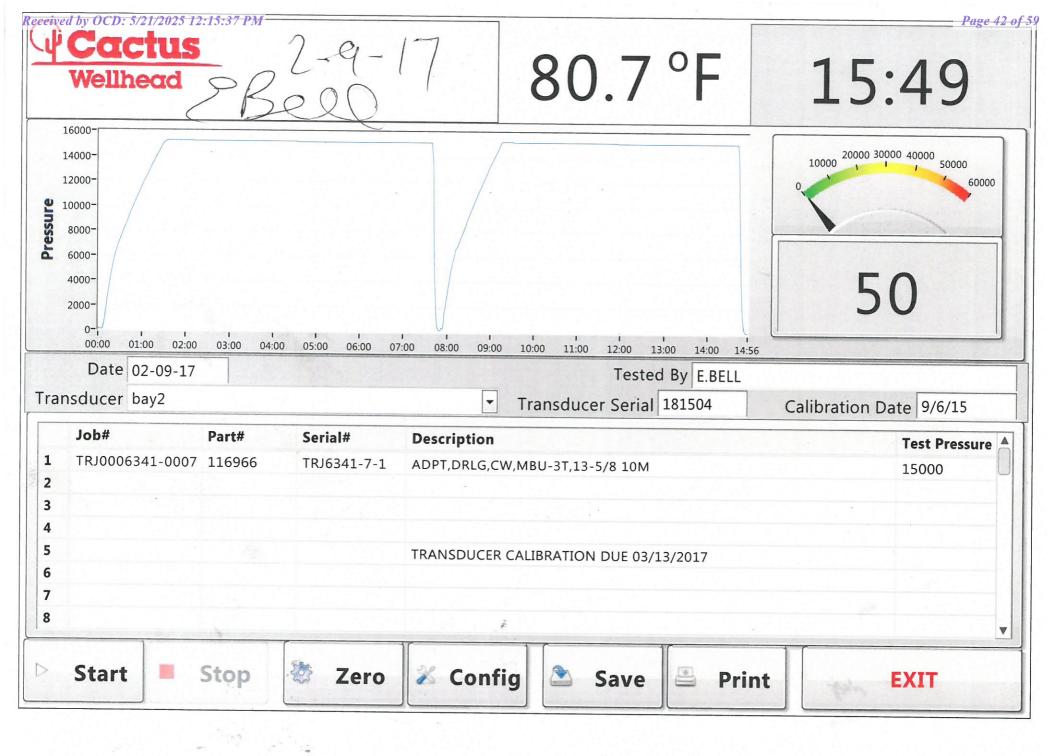
Notify the BLM if the online BOPE testing exceeds 72-hours

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



TenarisHydril Wedge 461®



Coupling	Pipe Body
Grade: P110-ICY	Grade: P110-ICY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	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.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

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

Connection Data

6.300 in.
7.714 in.
4.778 in.
3.775 in.
3.40
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-lb
Yield Torque	51,000 ft-lb
Yield Torque Buck-On	51,000 ft-lb
	51,000 ft-lb 21,600 ft-lb
Buck-On	

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 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



Coupling Pipe Body

Body: White

1st Band: Pale Green

2nd Band: -

Grade: P110-ICY

3rd Band: -

1st Band: White 2nd Band: Pale Green 3rd Band: Pale Green

Grade: P110-ICY

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 Ontion	REGIII AR				

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	
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-lb
Operation Limit Torques	
Operating Torque	59,000 ft-lb
Operating Torque Yield Torque	59,000 ft-lb
	<u> </u>
	<u> </u>
Yield Torque	<u> </u>
Yield Torque Buck-On	70,000 ft-lb

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>	
<u>Dimensions</u>	(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 Pres	sure at Minimum Yield			
	PE		3580	psi
	STC		3580	psi
	ВТС		3580	psi
Yield Strength, Pip	e Body		715	1000 lbs
Joint Strength				
	STC		493	1000 lbs
	ВТС		796	1000 lbs
	BTC Special Clearance	(11.25" OD Cplg)	506	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.



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

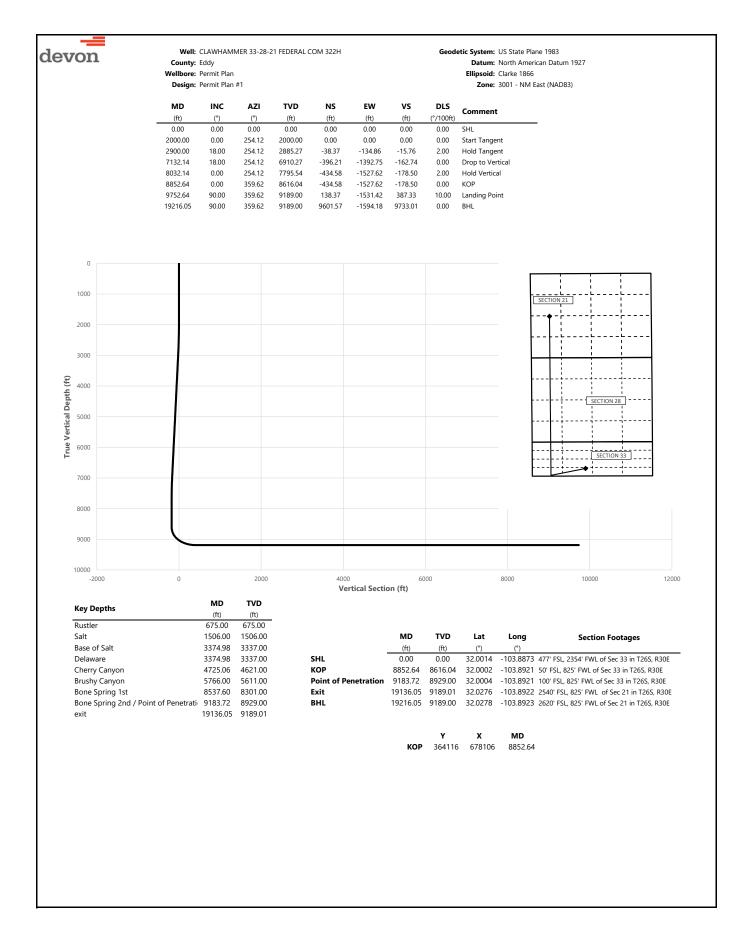
Dimensions (Nominal)

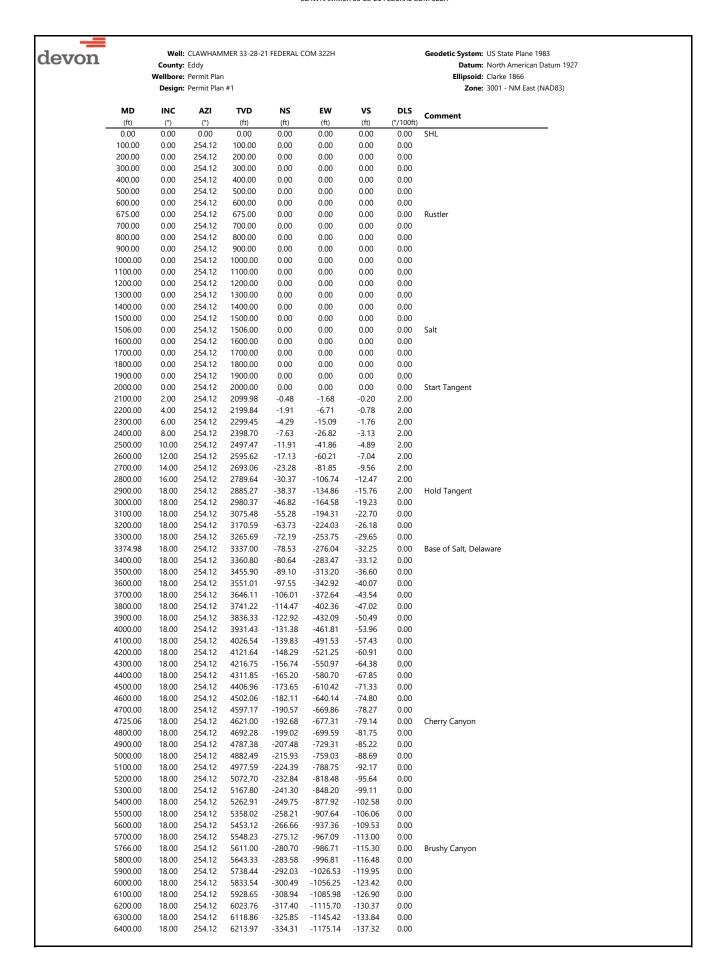
Outside Diameter	13.375	in.
Wall	0.380	in.
Inside Diameter	12.615	in.
Drift	12.459	in.
Weight, T&C	54.500	lbs/ft
Weight, PE	52.790	lbs/ft

Performance Ratings, Minimum

Collapse, PE	1130	psi
Internal Yields Pressure		
PE	2730	psi
STC	2730	PSI
ВТС	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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Well: CLAWHAMMER 33-28-21 FEDERAL COM 322H

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)

	Design:	Permit Plan	1#1					Zone: 3001 - NM East (NAD83)
MD	INC	AZI	TVD	NS	EW	vs	DLS	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
6500.00	18.00	254.12	6309.07	-342.76	-1204.87	-140.79	0.00	
6600.00	18.00	254.12	6404.18	-351.22	-1234.59	-144.26	0.00	
6700.00	18.00	254.12	6499.28	-359.68	-1264.31	-147.73	0.00	
6800.00	18.00	254.12	6594.39	-368.13	-1294.03	-151.21	0.00	
6900.00	18.00	254.12	6689.49	-376.59	-1323.76	-154.68	0.00	
7000.00	18.00	254.12	6784.60	-385.04	-1353.48	-158.15	0.00	
7100.00	18.00	254.12	6879.71	-393.50	-1383.20	-161.63	0.00	
7132.14	18.00	254.12	6910.27	-396.21	-1392.75	-162.74	0.00	Drop to Vertical
7200.00	16.64	254.12	6975.05	-401.74	-1412.19	-165.01	2.00	
7300.00	14.64	254.12	7071.35	-409.12	-1438.12	-168.04	2.00	
7400.00	12.64	254.12	7168.52	-415.57	-1460.81	-170.69	2.00	
7500.00	10.64	254.12	7266.46	-421.09	-1480.22	-172.96	2.00	
7600.00 7700.00	8.64	254.12 254.12	7365.04 7464.14	-425.68 -429.31	-1496.33 -1509.12	-174.84 -176.33	2.00	
7800.00	6.64 4.64	254.12	7563.66	-429.31	-1509.12	-176.33	2.00 2.00	
7900.00	2.64	254.12	7663.45	-432.00	-1516.56	-177.44	2.00	
8000.00	0.64	254.12	7763.40	-434.53	-1527.44	-178.48	2.00	
8032.14	0.00	254.12	7795.54	-434.58	-1527.44	-178.50	2.00	Hold Vertical
8100.00	0.00	359.62	7863.40	-434.58	-1527.62	-178.50	0.00	
8200.00	0.00	359.62	7963.40	-434.58	-1527.62	-178.50	0.00	
8300.00	0.00	359.62	8063.40	-434.58	-1527.62	-178.50	0.00	
8400.00	0.00	359.62	8163.40	-434.58	-1527.62	-178.50	0.00	
8500.00	0.00	359.62	8263.40	-434.58	-1527.62	-178.50	0.00	
8537.60	0.00	359.62	8301.00	-434.58	-1527.62	-178.50	0.00	Bone Spring 1st
8600.00	0.00	359.62	8363.40	-434.58	-1527.62	-178.50	0.00	, 5
8700.00	0.00	359.62	8463.40	-434.58	-1527.62	-178.50	0.00	
8800.00	0.00	359.62	8563.40	-434.58	-1527.62	-178.50	0.00	
8852.64	0.00	359.62	8616.04	-434.58	-1527.62	-178.50	0.00	KOP
8900.00	4.74	359.62	8663.35	-432.62	-1527.63	-176.56	10.00	
9000.00	14.74	359.62	8761.78	-415.73	-1527.74	-159.88	10.00	
9100.00	24.74	359.62	8855.79	-382.01	-1527.97	-126.58	10.00	
9183.72	33.11	359.62	8929.00	-341.56	-1528.23	-86.63	10.00	Bone Spring 2nd / Point of Penetration
9200.00	34.74	359.62	8942.51	-332.47	-1528.29	-77.66	10.00	
9300.00	44.74	359.62	9019.31	-268.63	-1528.72	-14.61	10.00	
9400.00	54.74	359.62	9083.86	-192.42	-1529.22	60.65	10.00	
9500.00	64.74	359.62	9134.20	-106.16	-1529.80	145.84	10.00	
9600.00	74.74	359.62	9168.79	-12.47	-1530.42	238.37	10.00	
9700.00 9752.64	84.74 90.00	359.62 359.62	9186.58 9189.00	85.80 138.37	-1531.07 -1531.42	335.42 387.33	10.00 10.00	Landing Point
9800.00	90.00	359.62	9189.00	185.73	-1531.42	434.10	0.00	Landing Form
9900.00	90.00	359.62	9189.00	285.73	-1532.39	532.86	0.00	
10000.00	90.00	359.62	9189.00	385.72	-1533.06	631.62	0.00	
10100.00	90.00	359.62	9189.00	485.72	-1533.72	730.37	0.00	
10200.00	90.00	359.62	9189.00	585.72	-1534.39	829.13	0.00	
10300.00	90.00	359.62	9189.00	685.72	-1535.05	927.88	0.00	
10400.00	90.00	359.62	9189.00	785.71	-1535.71	1026.64	0.00	
10500.00	90.00	359.62	9189.00	885.71	-1536.38	1125.40	0.00	
10600.00	90.00	359.62	9189.00	985.71	-1537.04	1224.15	0.00	
10700.00	90.00	359.62	9189.00	1085.71	-1537.70	1322.91	0.00	
10800.00	90.00	359.62	9189.00	1185.71	-1538.37	1421.67	0.00	
10900.00	90.00	359.62	9189.00	1285.70	-1539.03	1520.42	0.00	
11000.00	90.00	359.62	9189.00	1385.70	-1539.70	1619.18	0.00	
11100.00	90.00	359.62	9189.00	1485.70	-1540.36	1717.93	0.00	
11200.00	90.00	359.62	9189.00	1585.70	-1541.02	1816.69	0.00	
11300.00	90.00	359.62	9189.00	1685.69	-1541.69	1915.45	0.00	
11400.00	90.00	359.62	9189.00	1785.69	-1542.35	2014.20	0.00	
11500.00 11600.00	90.00 90.00	359.62 359.62	9189.00 9189.00	1885.69 1985.69	-1543.01 -1543.68	2112.96 2211.71	0.00	
11700.00	90.00	359.62	9189.00	2085.69	-1543.66	2310.47	0.00	
11800.00	90.00	359.62	9189.00	2185.68	-1545.01	2409.23	0.00	
11900.00	90.00	359.62	9189.00	2285.68	-1545.67	2507.98	0.00	
12000.00	90.00	359.62	9189.00	2385.68	-1546.33	2606.74	0.00	
12100.00	90.00	359.62	9189.00	2485.68	-1547.00	2705.49	0.00	
12200.00	90.00	359.62	9189.00	2585.67	-1547.66	2804.25	0.00	
12300.00	90.00	359.62	9189.00	2685.67	-1548.32	2903.01	0.00	
12400.00	90.00	359.62	9189.00	2785.67	-1548.99	3001.76	0.00	
12500.00	90.00	359.62	9189.00	2885.67	-1549.65	3100.52	0.00	
12600.00	90.00	359.62	9189.00	2985.67	-1550.32	3199.27	0.00	
12700.00	90.00	359.62	9189.00	3085.66	-1550.98	3298.03	0.00	
12800.00	90.00	359.62	9189.00	3185.66	-1551.64	3396.79	0.00	



Well: CLAWHAMMER 33-28-21 FEDERAL COM 322H

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 vs INC AZI TVD NS EW DLS Comment (°/100ft (ft) (°) (°) (ft) (ft) (ft) (ft) 12900.00 90.00 359.62 9189.00 3285.66 -1552.31 3495.54 0.00 13000.00 90.00 359.62 9189.00 3385.66 -1552.97 3594.30 0.00 13100.00 90.00 359.62 9189.00 3485.65 -1553.63 3693.05 0.00 13200.00 90.00 359.62 9189.00 3585.65 -1554.30 3791.81 0.00 13300.00 90.00 359.62 9189.00 3685.65 -1554.96 3890.57 0.00 13400.00 90.00 359.62 9189.00 3785.65 -1555.63 3989.32 0.00 13500.00 90.00 359.62 9189.00 3885.65 -1556.29 4088.08 0.00 13600.00 90.00 359.62 9189.00 3985.64 -1556.95 4186.83 0.00 13700.00 90.00 359.62 9189.00 4085.64 -1557.62 4285.59 0.00 13800.00 90.00 9189.01 4185.64 -1558.28 4384.35 359.62 0.00 13900.00 9189.01 4285.64 -1558.94 4483.10 90.00 359.62 0.00 14000.00 90.00 359.62 9189.01 4385.63 -1559.61 4581.86 0.00 14100.00 90.00 359.62 9189.01 4485.63 -1560.27 4680.61 0.00 14200.00 90.00 359.62 9189.01 4585.63 -1560.94 4779.37 0.00 90.00 359.62 9189.01 4685.63 -1561.60 4878.13 0.00 14300.00 14400.00 90.00 359.62 9189.01 4785.63 -1562.26 4976.88 0.00 14500.00 9189.01 4885.62 -1562.93 5075.64 90.00 359.62 0.00 14600.00 9189.01 4985.62 -1563.59 5174.39 90.00 359.62 0.00 14700.00 90.00 359.62 9189.01 5085.62 -1564.25 5273.15 0.00 14800.00 90.00 359.62 9189.01 5185.62 -1564.92 5371.91 0.00 14900.00 90.00 359.62 9189.01 5285.62 -1565.58 5470.66 0.00 15000.00 90.00 359.62 9189.01 5385.61 -1566.25 5569.42 0.00 15100.00 90.00 359 62 9189 01 5485 61 -1566 91 5668 17 0.00 15200.00 90.00 359.62 9189.01 5585.61 -1567.57 5766.93 0.00 15300.00 90.00 359.62 9189.01 5685.61 -1568.24 5865.69 0.00 15400.00 90.00 359.62 9189.01 5785.60 -1568.90 5964.44 0.00 15500.00 90.00 359.62 9189.01 5885 60 -1569.56 6063.20 0.00 15600.00 9189.01 5985.60 -1570.23 6161.95 90.00 359.62 0.00 15700.00 90.00 359.62 9189.01 6085.60 -1570.89 6260.71 0.00 15800.00 359.62 9189.01 6185.60 -1571.56 6359.47 90.00 0.00 15900.00 90.00 359.62 9189.01 6285.59 -1572.22 6458.22 0.00 16000.00 6385.59 -1572.88 6556.98 90.00 359.62 9189.01 0.00 16100.00 9189.01 6485.59 90.00 359.62 -1573.55 6655.73 0.00 16200.00 90.00 359.62 9189.01 6585.59 -1574.21 6754.49 0.00 16300.00 90.00 359.62 9189.01 6685.58 -1574.87 6853.25 0.00 16400.00 90.00 359.62 9189.01 6785.58 -1575.54 6952.00 0.00 16500.00 90.00 359.62 9189.01 6885.58 -1576.20 7050.76 0.00 16600.00 90.00 359.62 9189.01 6985.58 -1576.87 7149.51 0.00 16700.00 90.00 359.62 9189.01 7085.58 -1577.53 7248.27 16800.00 9189.01 7185.57 -1578.19 7347.03 90.00 359.62 0.00 16900.00 90.00 359.62 9189.01 7285.57 -1578.86 7445.78 0.00 17000.00 90.00 359.62 9189.01 7385.57 -1579.52 7544 54 0.00 17100.00 90.00 359.62 9189.01 7485.57 -1580.18 7643.29 0.00 17200.00 90.00 359.62 9189.01 7585.56 -1580.85 7742.05 0.00 17300.00 90.00 359.62 9189.01 7685.56 -1581.51 7840.81 0.00 17400.00 90.00 359.62 9189.01 7785.56 -1582.18 7939.56 0.00 17500.00 90.00 359.62 9189.01 7885.56 -1582.84 8038.32 0.00 9189.01 7985.56 -1583.50 17600.00 90.00 359.62 8137.08 0.00 17700.00 90.00 359.62 9189.01 8085.55 -1584.17 8235.83 0.00 17800.00 9189.01 8185.55 -1584.83 8334.59 90.00 359.62 0.00 17900.00 90.00 359.62 9189.01 8285.55 -1585.49 8433.34 0.00 18000.00 90.00 359.62 9189.01 8385.55 -1586.16 8532.10 0.00 18100.00 90.00 359.62 9189.01 8485.54 -1586.82 8630.86 0.00 18200.00 8585.54 -1587.49 8729.61 90.00 359.62 9189.01 0.00 9189.01 18300.00 90.00 359.62 8685.54 -1588.15 8828.37 0.00 9189 01 8785 54 -1588 81 18400 00 90.00 359 62 8927 12 0.00 18500.00 90.00 359.62 9189.01 8885.54 -1589.48 9025.88 0.00 18600.00 90.00 359.62 9189.01 8985.53 -1590.14 9124.64 0.00 359.62 9189.01 9085.53 -1590.80 9223.39 18700.00 90.00 0.00 18800.00 90.00 359.62 9189.01 9185.53 -1591.47 9322.15 0.00 18900.00 9285.53 -1592.13 9420.90 90.00 359.62 9189.01 0.00 19000.00 90.00 359.62 9189.01 9385.52 -1592.80 9519.66 0.00 19100 00 90.00 359 62 9189 01 9485 52 -1593 46 9618 42 0.00 19136.05 90.00 359.62 9189.01 9521.57 -1593.70 9654.02 0.00 19200.00 90.00 359.62 9189.01 9585.52 -1594.12 9717.17 0.00 9189.00 9601.57 -1594.18 BHL 19216.05 90.00 359.62 9733.01 0.00

1. Geologic Formations

TVD of target	9189	Pilot hole depth	N/A
MD at TD:	19216	Deepest expected fresh water	

Basin

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

^{*}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	8753	0	8753
7 7/8	5 1/2	20.0	P110-ICY	461	0	19216 MD	0	9189 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	368	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	368	5611	13.2	1.4	Tail: Class H / C + additives
Production	119	6853	9.0	3.3	Lead: Class H /C + additives
rioddetion	1372	8853	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%

4. Pressure Control Equipment (Four String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Ту	Туре		Туре		Туре		Туре		Туре		Туре		Tested to:
		Annula		Annular		Annular X		50% of rated working pressure								
Int	13-5/8"	5M	Blind	l Ram	X											
Int	13-3/6	JIVI	Pipe	Ram		5M										
			Doub	le Ram	X	5101										
			Other*													
			Anr	nular	X	50% of rated working										
						pressure										
Int 1	13-5/8"	5M	Blind Ram		X											
1111 1	15 5, 6	5111		_	Ram		5M									
				le Ram	X	3111										
			Other*													
			Annul	ar (5M)	X	50% of rated working										
				. ,		pressure										
Production	13-5/8"	5M	Blind Ram		X											
Troduction	15 5/0	3141			Pipe Ram			5M								
				le Ram	X	2111										
			Other*													

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

or nogenic and resumptive data to								
Logging, Co	oring 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.							

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

7. Drilling Conditions

77 Dinning Contains	
Condition	Specfiy what type and where?
BH pressure at deepest TVD	4300
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 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.

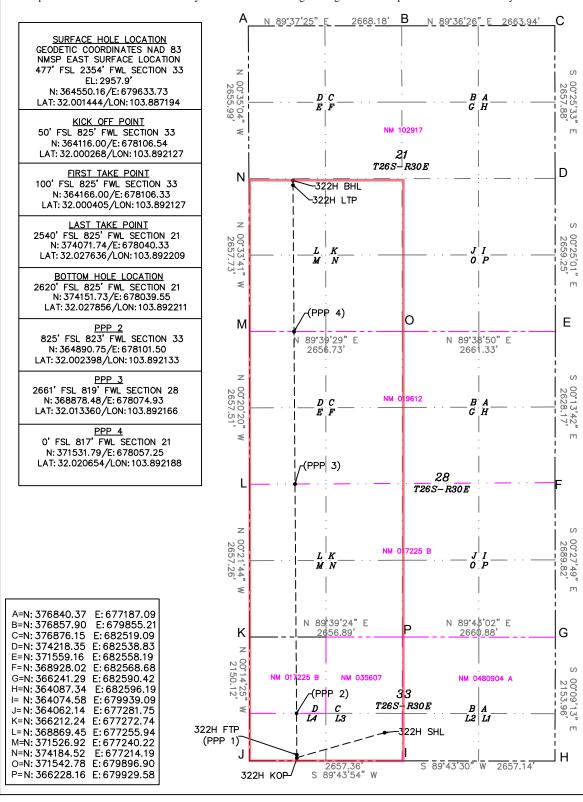
Attachments	;
X	Directional Plan
	Other, describe

<u>C-1</u>	02				ls & Nat	tural	New Mexico Resources Depa		Revised July, 2024				
	lectronically		OIL	COr	NSERV	AT	ION DIVISI	ON					
Via OCE	Permitting								Submittal				
									Type:	☐ Amended Repor	t		
							☐ As Drilled						
				W	ELL LOC	CATIO	ON INFORMATIO	N					
API N	umber		Pool Cod			F	Pool Name						
			70	97863			WILDC	AT G-03	S263016	K;BONE SPRIN	G		
Prope	rty Code		Property		CLAWHAM:	MER	33-28-21 FED (сом		Well Number 322H			
OGRID	No. 6137		Operator	Name	WPX E	NER	GY PERMIAN, LLC			Ground Level 2957.9'	Elevation		
Surfac	e Owner:	□State □	Fee □Tril	al XFe	deral		Mineral Owner:	□State	□Fee □	Tribal T Federal			
						Surf	ace Location						
UL	Section	Township	Range	Lot			S Ft. from E/W	Latitude		Longitude	County		
	33	26-S	30-E				2354' W	32.001	444	103.887194	EDDY		
		20 5	00 H	0			Hole Location	08.001	111	100.001101	пррт		
UL	Section	Township	Range	Lot	Ft. fron			Latitude		Longitude	County		
	21	26-S	30-E	Lot	2620		825' W	32.027		103.892211	EDDY		
L	21	20-3	30-E		2020	<u></u>	023 W	32.027	000	103.092211	EDDI		
Dedicat	ed Acres	Infill or Def	ining Well	Defining	Well API	Overl	apping Spacing Uni	t (Y/N)	Consolio	lation Code			
609.5	,	DEFININ	iG	SUBJ	IECT		N			U			
	Numbers	PENDING				Well	setbacks are under	Common	Ownersh				
		121(211(0	1,01				(772.)			_ -			
	- · ·		_				Point (KOP)						
UL	Section	Township	Range	Lot		•	S Ft. from E/W	Latitude		Longitude	County		
	33	26-S	30-E	4	50'	S	825' W	32.000268		103.892127	EDDY		
		I		1			ke Point (FTP)						
UL	Section	Township	Range	Lot	Ft. fron	•	'	Latitude		Longitude	County		
	33	26-S	30-E	4	100'	S	825' W	32.000405		103.892127	EDDY		
					Las	st Tal	ke Point (LTP)						
UL	Section	Township	Range	Lot	Ft. fron	n N/	S Ft. from E/W	Latitude		Longitude	County		
L	21	26-S	30-E		2540'	\mathbf{S}	825' W	32.027	636	103.892209	EDDY		
							- 14						
Unitize	ed Area or A	rea of Uniforn Y			Spac	ing (Jnit Type Horizon X	tal Verti	cal	Ground Floor Elevation: N/A			
		1						1071					
OPERA	FOR CERT	FICATIONS					SURVEYOR CERTIFICATIONS						
		e information con					I hereby certify that the we	ll location she	own on this	plat was plotted from fiel	d notes		
		belief, and, if the ns a working inte					of actual surveys made by	me or under s		and that the same is true	and		
		bottom hole loc contract with an o				is	correct to the best of my be	elief.		at R. 1	DE .		
		voluntary pooli				rder				8ER	DEHOLOS		
heretofor	e entered by t	he division.								EN WEX	/c \ \ \ \ \ \		
		ital well, I furthe								4	\^ \ \		
consent of at least one lessee or owner of a working interest or unleas interest in each tract (in the target pool or formation) in which any pa									23261				
completed interval will be located or obtained a compulsory pooling ord-										PR Bles	M.5 /		
division. Amy A. Brown 05/06/2025									100	15/			
Signa		v wwn	Date				Signature and Seal	of Profe	ssional		5UY		
	Brown									11/12	/		
	ed Name						Certificate Number	Date of	Survey				
	orown@dvn	.com				_			•				
Email	Address						23261 02/2025						

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.



33-26-30-3 Sundry ID 2851525 Clawhammer 33-28-21 Federal Com 322H Eddy NM35607 WPX ENERGY PERMIAN LLC 13-22g 2-27-2024 LV.xlsm

Clawhammer 33-28-21 Federal Com 322H

13 3/8	S	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	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 psig:	1,500	Tail Cmt	does not	circ to sfc.	Totals:	700				38,150
Comparison of	of Proposed to	Minimum Required Cement	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
1												

103/4	casi	ng 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	0.87	3,390	2	1.65	1.89	154,245
"B"								0				0
	w/8.4i	#/g mud, 30min Sfc Csg Test	psig: 1,027				Totals:	3,390				154,245
		The cement v	olume(s) are intende	ed to achieve a top of	0	ft from su	ırface 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	2167	3M				0.50
D V Tool(s):							sum of sx	Σ CuFt				Σ%excess
by stage % :		#VALUE!	#VALUE!				316	851				27
Class 'C' tail cm	t yld > 1.35											
Burst Frac Grad	lient(s) for Segm	ent(s): A, B, C, D = 1.06,	b, c, d All > 0.70, O	K.								

ı	Burst Frac Gradient(s) for Segment(s):	A, B, C, D = 1.06, b, c, d	All > 0.70, OK.
1			

85/8	cas	sing inside the	10 3/4				Int 2					
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	32.00	р	110	wedge 441	3.32	0.98	2.14	8,753	2	4.04	1.85	280,096
"B"								0				0
"C"								0				0
"D"								0				0
	w/8.4	4#/g mud, 30min Sfc Csg Test psig:	1,926				Totals:	8,753				280,096
ĺ		The cement volum	ne(s) are inten-	ded to achieve a top of	0	ft from su	ırface or a	3390				overlap.
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
9 7/8	0.1261	598	1274	1131	13	9.00	2275	3M				0.49
	S	etting Depths for D V Tool(s):	5611				sum of sx	Σ CuFt				<u>Σ%excess</u>
% exces	ss cmt by stage:	222	3				828	2033				80
Class 'C' tail cn	nt yld > 1.35											

Tail cmt												
5 1/2 casing inside the 8 5/8			8 5/8	<u>Design Factors</u>						Prod 1		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00		p 110	wedge 461	3.49	2.59	2.94	19,216	3	5.56	4.88	384,320
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,022							Totals:	19,216				384,320
The cement volume(s) are intended to achieve a top		ded to achieve a top of	8553	ft from su	rface or a	200				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
7 7/8	0.1733	1491	2314	1848	25	9.00						0.91
Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX.												
L												نـــــــــــــــــــــــــــــــــــــ

Carlsbad Field Office 5/21/2025 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

Action 465849

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	465849
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

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