Sundry Print Reports

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

Well Number: 305H

Well Name: EXMOOR 10-34 FED COM Well Location: T25S / R31E / SEC 15 / County or Parish/State: EDDY /

NENE / 32.136962 / -103.759

Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM0503 Unit or CA Name: Unit or CA Number:

US Well Number: Operator: DEVON ENERGY

PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2851354

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/06/2025 Time Sundry Submitted: 11:44

Date proposed operation will begin: 05/07/2025

Procedure Description: In addition to a SHL change (2840676), Devon Energy Production Co., L.P. (Devon) respectfully requests a BHL, Spacing and Drill Plan change for the subject well (APD ID 10400100972). Devon also requests break test with stump and offline cementing variances. Please see revised C102, drill plan, directional plan, and variance attachments. Permitted BHL: UL A, 20 FNL, 420 FEL, Sec 34, T 24S, R 31E Proposed BHL: UL A, 20 FNL, 520 FEL, Sec 34, T 24S, R 31E Permitted Acreage and Spacing: 954.5, Full E/2 Proposed Acreage and Spacing: 477.3, E/2 of E/2

NOI Attachments

Procedure Description

Offline Cementing Variance Request 20250506114339.pdf

Break_Test_Variance_Offline_BOP_2_3_2025_20250506114318.pdf

5.5_20lb_P110EC_DWC_C_IS_PLUS_20250506114223.pdf

8.625_32lb_P110_HSCY_MO_FXL_20250506114201.pdf

10.75_45.5lb_J55_BTC_20250506114144.pdf

EXMOOR_10_34_FED_COM_305H_Directional_Plan_04_09_25_20250506114101.pdf

 ${\sf EXMOOR_10_34_FED_COM_305H_4_9_20250506114040.pdf}$

 $WA022550694_EXMOOR_10_34_FED_COM_305H_WL_R2_SIGNED_20250506114025.pdf$

well Name: EXMOOR 10-34 FED COM Well Location: T25S / R31E / SEC 15 /

NENE / 32.136962 / -103.759

County or Parish/State: EDDY? of

Well Number: 305H Allottee or Tribe Name: Type of Well: OIL WELL

Unit or CA Number: Lease Number: NMNM0503 **Unit or CA Name:**

US Well Number: Operator: DEVON ENERGY

PRODUCTION COMPANY LP

Conditions of Approval

Specialist Review

Exmoor 10 34 Fed Com 305H Sundry ID 2851354 20250521142643.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 15, 2025 11:06 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Professional

Street Address: 333 WEST SHERIDAN AVENUE

City: OKLAHOMA CITY State: OK

Phone: (405) 552-6137

Email address: AMY.BROWN@DVN.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402 BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved **Disposition Date:** 05/21/2025

Signature: Long Vo

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

BURE	EAU OF LAND MANAGEMENT	3. Lease Serial No.				
Do not use this fo	OTICES AND REPORTS ON Vorm for proposals to drill or t Use Form 3160-3 (APD) for su	o re-enter an	6. If Indian, Allottee or Tribe Name			
	RIPLICATE - Other instructions on page		7. If Unit of CA/Agreement, N	Name and/or No.		
1. Type of Well Gas W	ell Other	8. Well Name and No.				
2. Name of Operator		9. API Well No.				
3a. Address	3b. Phone No.	10. Field and Pool or Explora	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 OTI	HER DATA		
TYPE OF SUBMISSION		TYP	E OF ACTION			
Notice of Intent	Acidize Dee Alter Casing Hyd	pen raulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity		
Subsequent Report		Construction g and Abandon	Recomplete Temporarily Abandon	Other		
Final Abandonment Notice		g Back	Water Disposal			
is ready for final inspection.) 4. Thereby certify that the foregoing is	true and correct. Name (Printed/Typed)					
4. 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 warran quitable title to those rights in the subject leduct operations thereon.					
Fitle 18 U.S.C Section 1001 and Title 43	U.S.C Section 1212, make it a crime for a	ny person knowingly	and willfully to make to any do	epartment or agency of the United States		

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Location of Well

0. SHL: NENE / 265 FNL / 494 FEL / TWSP: 25S / RANGE: 31E / SECTION: 15 / LAT: 32.136962 / LONG: -103.759 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 10 / LAT: 32.137967 / LONG: -103.75827 (TVD: 10415 feet, MD: 10446 feet)

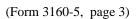
PPP: SENE / 2467 FNL / 330 FEL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.1743494 / LONG: -103.7581946 (TVD: 10811 feet, MD: 24000 feet)

PPP: LOT 4 / 137 FSL / 330 FEL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.1672027 / LONG: -103.7582087 (TVD: 10834 feet, MD: 21400 feet)

PPP: SENE / 2563 FNL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 3 / LAT: 32.1597812 / LONG: -103.7582233 (TVD: 10858 feet, MD: 18700 feet)

PPP: SENE / 2479 FSL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 10 / LAT: 32.1454878 / LONG: -103.7582514 (TVD: 10905 feet, MD: 13500 feet)

BHL: NENE / 20 FNL / 420 FEL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.181016 / LONG: -103.758181 (TVD: 10790 feet, MD: 26425 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		X	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



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Connection Data Sheet

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

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

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

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

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

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

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

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

05/23/2023 4:11 PM



VAM USA 2107 CityWest Boulevard Suite 1300 Houston, TX 77042 Phone: 713-479-3200

Fax: 713-479-3234
VAM USA Sales E-mail: <u>VAMUSAsales@vam-usa.com</u>
Tech Support E-mail: tech.support@vam-usa.com

DWC Connection Data Notes:

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

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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Metal One Corp.	MO EVI			MO-FXL 8-	-5/8 32.0		
·	MO-FXL	WO-FAL					
Metal One	*1 Pipe Body: Borusan P110H	CDS#	MinYS125ksi				
	95%RBW Special Dr		95%RBW SD7.875				
	Connection Dat	a Sheet	Date	16-Jai	า-24		
	2						
	Geometry	<u>Imperia</u>	<u>1</u>	<u>S.I.</u>			
_	Pipe Body		_				
	Grade *1	P110HSCY		P110HSCY			
	MinYS *1	125	ksi	125	ksi		
	Pipe OD (D)	8 5/8	in	219.08	mm		
MO-FXL	Weight	32.00	lb/ft	47.68	kg/m		
	Actual weight	31.10		46.34	kg/m		
	Wall Thickness (t)	0.352	in	8.94	mm		
	Pipe ID (d)	7.921	in	201.19	mm		
	Pipe body cross section	9.149	in ²	5,902	mm ²		
\uparrow	Special Drift Dia. *1	7.875	in	200.03	mm		
	-	-	-	-	-		
Box	Connection						
critical	Box OD (W)	8.625	in	219.08	mm		
area	PIN ID	7.921	in	201.19	mm		
	Make up Loss	3.847	in	97.71	mm		
d d	Box Critical Area	5.853	in ²	3686	mm ²		
	Joint load efficiency	69	%	69	%		
Make	Thread Taper			2" per ft)	70		
loss D	Number of Threads	TPI					
5 .	Performance						
Pin critical							
area	Performance Properties			5.007			
	S.M.Y.S. *1	1,144	kips	5,087	kN		
	M.I.Y.P. *1	9,690	psi	66.83	MPa		
	Collapse Strength *1	4,300	psi	29.66	MPa		
<u> </u>		fied Minimum YIE		-	ıy		
	*1: Borusan: SOP-12-F05 R	num Internal Yield	ressur	e of Pipe body			
	P110HSCY: MinYS125ksi, 9		E Collon	oo Strongth 4.2	00poi		
	Performance Properties			ise Silerigili 4,5	oopsi		
	Tensile Yield load	789 kips		of S.M.Y.S.)			
	Min. Compression Yield	789 kips	:	of S.M.Y.S.)			
	Internal Pressure	6,780 psi (-	of M.I.Y.P.			
	External Pressure	0,100		of Collapse St	renath		
	Max. DLS (deg. /100ft)		2		5		
	, , ,	!		-			
	Recommended Torque						
	Min.	13,600	ft-lb	18,400	N-m		
	Opti.	14,900	ft-lb	20,200	N-m		
	Max.	16,200	ft-lb	21,900	N-m		
	Operational Max.	28,400	ft-lb	38,500	N-m		
	Note : Operational Max. t	· · · · · · · · · · · · · · · · · · ·					
	·						
Legal Notice							

Legal Notice

The use of this information is at the reader/user's risk and no warranty is implied or expressed by Metal One Corporation or its parents, subsidiaries or affiliates (herein collectively referred to as "Metal One") with respect to the use of information contained herein. The information provided on this Connection Data Sheet is for informational purposes only, and was prepared by reference to engineering information that is specific to the subject products, without regard to safety-related factors, all of which are the sole responsibility of the operators and users of the subject connectors. Metal One assumes no responsibility for

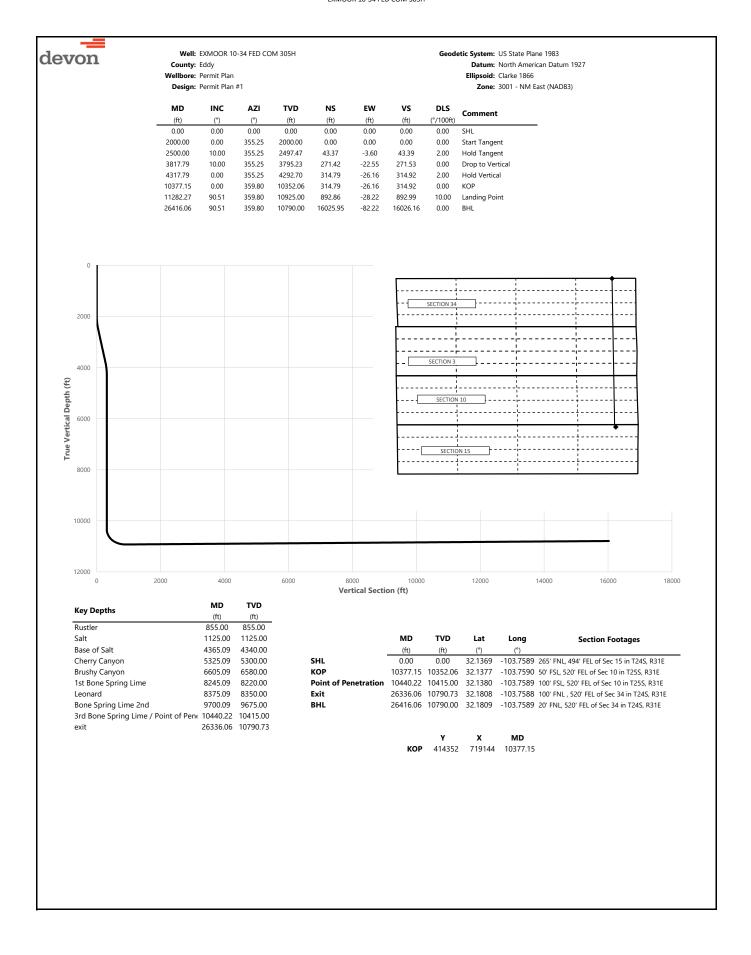
Statements regarding the suitability of products for certain types of applications are based on Metal One's knowledge of typical requirements that are often placed on Metal One products in standard well configurations. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application

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



<u>10-3/4"</u>	<u>45.50#</u>	0.400"	<u>J-55</u>					
<u>Dimensions (Nominal)</u>								
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				
	BTC		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.





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

Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866

	Design:	Design: Permit Plan #1						Zone: 3001 - NM East (NAD83)		
MD	INC	AZI	TVD	NS	EW	vs	DLS	Command		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL		
100.00	0.00	355.25	100.00	0.00	0.00	0.00	0.00			
200.00	0.00	355.25	200.00	0.00	0.00	0.00	0.00			
300.00 400.00	0.00	355.25 355.25	300.00 400.00	0.00	0.00	0.00	0.00			
500.00	0.00	355.25	500.00	0.00	0.00	0.00	0.00			
600.00	0.00	355.25	600.00	0.00	0.00	0.00	0.00			
700.00	0.00	355.25	700.00	0.00	0.00	0.00	0.00			
800.00	0.00	355.25	800.00	0.00	0.00	0.00	0.00			
855.00	0.00	355.25	855.00	0.00	0.00	0.00	0.00	Rustler		
900.00	0.00	355.25	900.00	0.00	0.00	0.00	0.00			
1000.00	0.00	355.25	1000.00	0.00	0.00	0.00	0.00			
1100.00	0.00	355.25	1100.00	0.00	0.00	0.00	0.00	Call		
1125.00 1200.00	0.00	355.25 355.25	1125.00 1200.00	0.00	0.00	0.00	0.00	Salt		
1300.00	0.00	355.25	1300.00	0.00	0.00	0.00	0.00			
1400.00	0.00	355.25	1400.00	0.00	0.00	0.00	0.00			
1500.00	0.00	355.25	1500.00	0.00	0.00	0.00	0.00			
1600.00	0.00	355.25	1600.00	0.00	0.00	0.00	0.00			
1700.00	0.00	355.25	1700.00	0.00	0.00	0.00	0.00			
1800.00	0.00	355.25	1800.00	0.00	0.00	0.00	0.00			
1900.00	0.00	355.25	1900.00	0.00	0.00	0.00	0.00			
2000.00	0.00	355.25	2000.00	0.00	0.00	0.00	0.00	Start Tangent		
2100.00	2.00	355.25	2099.98	1.74	-0.14	1.74	2.00			
2200.00 2300.00	4.00 6.00	355.25 355.25	2199.84 2299.45	6.95 15.64	-0.58 -1.30	6.96 15.65	2.00 2.00			
2400.00	8.00	355.25	2398.70	27.78	-1.30	27.80	2.00			
2500.00	10.00	355.25	2497.47	43.37	-3.60	43.39	2.00	Hold Tangent		
2600.00	10.00	355.25	2595.95	60.68	-5.04	60.70	0.00			
2700.00	10.00	355.25	2694.43	77.98	-6.48	78.02	0.00			
2800.00	10.00	355.25	2792.91	95.29	-7.92	95.33	0.00			
2900.00	10.00	355.25	2891.39	112.59	-9.36	112.64	0.00			
3000.00	10.00	355.25	2989.87	129.90	-10.79	129.95	0.00			
3100.00	10.00	355.25	3088.35	147.20	-12.23	147.26	0.00			
3200.00 3300.00	10.00 10.00	355.25	3186.83	164.51 181.81	-13.67 15.11	164.58 181.89	0.00			
3400.00	10.00	355.25 355.25	3285.31 3383.79	199.12	-15.11 -16.55	199.20	0.00			
3500.00	10.00	355.25	3482.27	216.42	-10.33	216.51	0.00			
3600.00	10.00	355.25	3580.75	233.73	-19.42	233.83	0.00			
3700.00	10.00	355.25	3679.23	251.03	-20.86	251.14	0.00			
3800.00	10.00	355.25	3777.72	268.34	-22.30	268.45	0.00			
3817.79	10.00	355.25	3795.23	271.42	-22.55	271.53	0.00	Drop to Vertical		
3900.00	8.36	355.25	3876.39	284.49	-23.64	284.60	2.00			
4000.00	6.36	355.25	3975.56	297.24	-24.70	297.37	2.00			
4100.00	4.36	355.25	4075.12 4174.94	306.55	-25.47	306.67	2.00			
4200.00 4300.00	2.36 0.36	355.25 355.25	4174.94	312.38 314.74	-25.96 -26.15	312.51 314.87	2.00 2.00			
4317.79	0.00	355.25	4292.70	314.79	-26.16	314.92	2.00	Hold Vertical		
4365.09	0.00	359.80	4340.00	314.79	-26.16	314.92	0.00	Base of Salt		
4400.00	0.00	359.80	4374.91	314.79	-26.16	314.92	0.00			
4500.00	0.00	359.80	4474.91	314.79	-26.16	314.92	0.00			
4600.00	0.00	359.80	4574.91	314.79	-26.16	314.92	0.00			
4700.00	0.00	359.80	4674.91	314.79	-26.16	314.92	0.00			
4800.00	0.00	359.80	4774.91	314.79	-26.16	314.92	0.00			
4900.00 5000.00	0.00	359.80 359.80	4874.91 4974.91	314.79 314.79	-26.16 26.16	314.92	0.00			
5100.00	0.00	359.80	5074.91	314.79	-26.16 -26.16	314.92 314.92	0.00			
5200.00	0.00	359.80	5174.91	314.79	-26.16	314.92	0.00			
5300.00	0.00	359.80	5274.91	314.79	-26.16	314.92	0.00			
5325.09	0.00	359.80	5300.00	314.79	-26.16	314.92	0.00	Cherry Canyon		
5400.00	0.00	359.80	5374.91	314.79	-26.16	314.92	0.00			
5500.00	0.00	359.80	5474.91	314.79	-26.16	314.92	0.00			
5600.00	0.00	359.80	5574.91	314.79	-26.16	314.92	0.00			
5700.00	0.00	359.80	5674.91	314.79	-26.16	314.92	0.00			
5800.00	0.00	359.80	5774.91	314.79	-26.16 26.16	314.92	0.00			
5900.00 6000.00	0.00	359.80 359.80	5874.91 5974.91	314.79 314.79	-26.16 -26.16	314.92 314.92	0.00			
6100.00	0.00	359.80	6074.91	314.79	-26.16 -26.16	314.92	0.00			
6200.00	0.00	359.80	6174.91	314.79	-26.16	314.92	0.00			
6300.00	0.00	359.80	6274.91	314.79	-26.16	314.92	0.00			



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

Geodetic System: US State Plane 1983

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

Math		Design:	Permit Plan	1#1					Zone: 3001 - NM East (NAD83)
	MD	INC	Δ71	TVD	NS	F\W	vs	DIS	
Females Fema									Comment
660000 0.00 39.98 659.43 31.47 28.16 31.492 0.00 660000 0.00 359.80 667.43 31.47 28.16 31.492 0.00 660000 0.00 359.80 677.43 31.479 28.16 31.492 0.00 670000 0.00 359.80 677.43 31.479 28.16 31.492 0.00 770000 0.00 359.80 777.491 31.479 26.16 31.492 0.00 780000 0.00 359.80 772.491 31.479 26.16 31.492 0.00 780000 0.00 359.80 772.491 31.479 26.16 31.492 0.00 780000 0.00 359.80 773.41 31.479 26.16 31.492 0.00 780000 0.00 359.80 773.41 31.479 26.16 31.492 0.00 780000 0.00 359.80 873.491 31.479 26.16 31.492 0.0									
Control Cont									
Section Sect									Brushy Canyon
680000 0.0 359.80 674.91 314.79 2.616 314.92 0.00 700000 0.00 359.80 674.91 314.79 2.616 314.92 0.00 710000 0.00 359.80 674.91 314.79 2.616 314.92 0.00 720000 0.00 359.80 774.91 314.79 2.616 314.92 0.00 730000 0.00 359.80 774.91 314.79 2.616 314.92 0.00 770000 0.00 359.80 774.91 314.79 2.616 314.92 0.00 770000 0.00 359.80 764.91 314.79 2.616 314.92 0.00 780000 0.00 359.80 764.91 314.79 2.616 314.92 0.00 880000 0.00 359.80 787.91 314.79 2.616 314.92 0.00 820000 0.01 359.80 874.91 314.79 2.616 314.92 0.00<									,,.
Section Column				6774.91					
7700.00	6900.00		359.80	6874.91	314.79	-26.16	314.92	0.00	
			359.80	6974.91	314.79		314.92	0.00	
730000 0.00 3598.0 727491 31479 - 26.16 31492 0.00 750000 0.00 3598.0 747491 31479 - 26.16 31492 0.00 770000 0.00 3598.0 747491 31479 - 26.16 31492 0.00 770000 0.00 3598.0 747491 31479 - 26.16 31492 0.00 770000 0.00 3598.0 747491 31479 - 26.16 31492 0.00 780000 0.00 3598.0 747491 31479 - 26.16 31492 0.00 800000 0.00 3598.0 87491 31479 - 26.16 31492 0.00 800000 0.00 3598.0 807491 31479 - 26.16 31492 0.00 800000	7100.00	0.00	359.80	7074.91	314.79	-26.16	314.92	0.00	
73000 0.00 3598.0 737491 31479 - 26.16 314.92 0.00 750000 0.00 3598.0 757491 31479 - 26.16 314.92 0.00 770000 0.00 3598.0 757491 31479 - 26.16 314.92 0.00 770000 0.00 3598.0 757491 31479 - 26.16 314.92 0.00 80000 0.00 3598.0 757491 31479 - 26.16 314.92 0.00 80000 0.00 3598.0 757491 31479 - 26.16 314.92 0.00 80000 0.00 3598.0 757491 31479 - 26.16 314.92 0.00 826000 0.00 3598.0 817491 31479 - 26.16 314.92 0.00 82600 0.00 3598.0 817491 31479 - 26.16 314.92 0.00 826000 0.00 3598.0 817491 31479 - 26.16 314.92 0.00 827500 0.00 827500 0.00	7200.00	0.00	359.80	7174.91	314.79	-26.16	314.92	0.00	
Total	7300.00	0.00	359.80	7274.91	314.79	-26.16	314.92	0.00	
	7400.00	0.00	359.80	7374.91	314.79	-26.16	314.92	0.00	
	7500.00	0.00	359.80	7474.91	314.79	-26.16	314.92	0.00	
780000 0.00 359.00 774.91 314.79		0.00	359.80		314.79		314.92	0.00	
790000 0.00 359.80 7874.91 314.79 -26.16 314.29 0.00 800000 0.00 359.80 8074.91 314.79 -26.16 314.29 0.00 820000 0.00 359.80 8174.91 314.79 -26.16 314.22 0.00 824000 0.00 359.80 8220.00 314.79 -26.16 314.22 0.00 837000 0.00 359.80 837.491 314.79 -26.16 314.42 0.00 887000 0.00 359.80 837.491 314.79 -26.16 314.42 0.00 880000 0.00 359.80 874.91 314.79 -26.16 314.42 0.00 870000 0.00 359.80 874.91 314.79 -26.16 314.92 0.00 880000 0.00 359.80 874.91 314.79 -26.16 314.92 0.00 900000 0.00 359.80 874.91 314.79 -26.16 314.92			359.80				314.92		
800000 0.00 359.80 797.91 314.79 26.16 314.92 0.00 820000 0.00 359.80 817.93 314.79 -26.16 314.92 0.00 830000 0.00 359.80 820.00 314.79 -26.16 314.92 0.00 830000 0.00 359.80 837.09 314.79 -26.16 314.92 0.00 800000 0.00 359.80 837.09 314.79 -26.16 314.92 0.00 800000 0.00 359.80 837.91 314.79 -26.16 314.92 0.00 800000 0.00 359.80 867.49 314.79 -26.16 314.92 0.00 800000 0.00 359.80 867.49 314.79 -26.16 314.92 0.00 800000 0.00 359.80 867.49 314.79 -26.16 314.92 0.00 900000 0.00 359.80 867.49 314.79 -26.16 314.92									
8700.00									
82000 0.00 359.80 8174.91 314.79 -26.16 314.92 0.00 1st Bone Spring Lime 82000 0.00 359.80 8274.91 314.79 -26.16 314.92 0.00 Leonard 84000 0.00 359.80 8374.91 314.79 -26.16 314.92 0.00 Leonard 85000 0.00 359.80 8874.91 314.79 -26.16 314.92 0.00 86000 0.00 359.80 8874.91 314.79 -26.16 314.92 0.00 88000 0.00 359.80 8874.91 314.79 -26.16 314.92 0.00 890000 0.00 359.80 8874.91 314.79 -26.16 314.92 0.00 900000 0.00 359.80 8974.91 314.79 -26.16 314.92 0.00 900000 0.00 359.80 9974.91 314.79 -26.16 314.92 0.00 990000 0.00 359.80 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
8240.99 0.00 359.80 8220.00 314.79 2.61 fs 314.92 0.00 1st Bone Spring Lime 8370.90 0.00 359.80 835.00 314.79 2.61 fs 314.92 0.00 Leonard 8400.00 0.00 359.80 8374.91 314.79 2.61 fs 314.92 0.00 188.00 0.00 359.80 8674.91 314.79 2.61 fs 314.92 0.00 187.00 0.00 359.80 8674.91 314.79 2.61 fs 314.92 0.00 0.00 359.80 8674.91 314.79 2.61 fs 314.92 0.00 0.00 359.80 8674.91 314.79 2.61 fs 314.92 0.00 0.00 359.80 8874.91 314.79 2.61 fs 314.92 0.00 0.00 359.80 8974.91 314.79 2.61 fs 314.92 0.00 0.00 359.80 9974.91 314.79 2.61 fs 314.92 0.00 0.00 359.80 9974.91 314.79 2.61 fs 314.92									
8375.09 0.00									
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850000 0.00 359.80 847.491 314.79 -26.16 314.92 0.00 8700.00 0.00 359.80 8674.91 314.79 -26.16 314.92 0.00 8800.00 0.00 359.80 8674.91 314.79 -26.16 314.92 0.00 9000.00 0.00 359.80 8674.91 314.79 -26.16 314.92 0.00 9000.00 0.00 359.80 8674.91 314.79 -26.16 314.92 0.00 9000.00 0.00 359.80 9074.91 314.79 -26.16 314.92 0.00 9000.00 0.00 359.80 974.91 314.79 -26.16 314.92 0.00 9600.00 0.00 359.80 974.91 314.79 -26.16 314.92 0.00 9700.00 0.00 359.80 974.91 314.79 -26.16 314.92 0.00 9800.00 0.00 359.80 974.91 314.79 -26.16 314									Leonard
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9900.00									Bone Spring Lime 2nd
10000.00			359.80	9774.91	314.79				. 5
10100.00	9900.00		359.80	9874.91	314.79		314.92	0.00	
10200.00	10000.00	0.00	359.80	9974.91	314.79	-26.16	314.92	0.00	
1030.00	10100.00	0.00	359.80	10074.91	314.79	-26.16	314.92	0.00	
10377.15 0.00 359.80 10352.06 314.79 -26.16 314.92 0.00 KOP 10400.00 2.28 359.80 10374.90 315.25 -26.16 315.38 10.00 1040.22 6.31 359.80 10415.00 318.26 -26.17 318.39 10.00 3rd Bone Spring Lime / Point of Penetration 10500.00 12.28 359.80 10473.97 327.91 -26.20 328.04 10.00 10600.00 22.28 359.80 10569.33 357.58 -26.31 357.71 10.00 10700.00 32.28 359.80 10573.56 463.87 -26.67 403.50 10.00 10800.00 42.28 359.80 10805.31 537.25 -26.95 537.38 10.00 10900.00 52.28 359.80 10859.29 621.28 -27.25 621.41 10.00 11100.00 62.28 359.80 10895.31 537.25 -26.95 537.38 10.00 11200.00 82.28 359.80 10897.85 713.40 -27.58 713.53 10.00 11202.00 82.28 359.80 10919.84 810.82 -27.93 810.96 10.00 11282.27 90.51 359.80 10925.00 892.86 -28.22 892.99 10.00 11400.00 90.51 359.80 10923.95 1010.59 -28.64 1010.72 0.00 11500.00 90.51 359.80 10923.95 1010.59 -28.64 1010.72 0.00 11600.00 90.51 359.80 10922.17 1210.58 -29.00 1110.72 0.00 11700.00 90.51 359.80 10922.17 1310.57 -29.71 1310.71 0.00 11900.00 90.51 359.80 10921.27 1310.57 -29.71 1310.71 0.00 11900.00 90.51 359.80 10914.91 1510.56 -30.43 1510.70 0.00 12000.00 90.51 359.80 10918.60 1610.56 -30.78 1610.70 0.00 12000.00 90.51 359.80 10918.61 1810.55 -31.14 1710.69 0.00 12000.00 90.51 359.80 10915.03 2010.54 -32.21 2010.68 0.00 12000.00 90.51 359.80 10915.03 2010.54 -32.27 2110.67 0.00 12000.00 90.51 359.80 10915.03 2010.54 -32.57 2110.67 0.00	10200.00	0.00	359.80	10174.91	314.79	-26.16	314.92	0.00	
10400.00 2.28 359.80 10374.90 315.25 -26.16 315.38 10.00 10440.22 6.31 359.80 10415.00 318.26 -26.17 318.39 10.00 10500.00 12.28 359.80 10473.97 327.91 -26.20 328.04 10.00 10600.00 22.28 359.80 10569.33 357.58 -26.31 357.71 10.00 10700.00 32.28 359.80 10658.10 403.37 -26.47 403.50 10.00 10800.00 42.28 359.80 10737.56 463.87 -26.69 464.00 10.00 10900.00 52.28 359.80 10859.31 537.25 -26.95 537.38 10.00 11000.00 62.28 359.80 10859.29 621.28 -27.25 621.41 10.00 11100.00 72.28 359.80 10935.00 892.86 -28.22 892.99 10.00 11282.27 90.51 359.80 10923.95 1010.59 -28.28 910.72 0.00 11400.00 90.51 359.80 10923.95 1010.59 -28.28 4010.72 0.00 11500.00 90.51 359.80 10922.17 1210.58 -29.00 1110.72 0.00 11700.00 90.51 359.80 10922.17 1210.58 -29.00 110.72 0.00 11700.00 90.51 359.80 10922.38 1410.57 -29.71 1310.71 0.00 11800.00 90.51 359.80 1091.41 10.56 -30.78 1610.70 0.00 12000.00 90.51 359.80 10918.60 1610.56 -30.78 1610.70 0.00 12000.00 90.51 359.80 10918.60 1610.55 -31.50 1810.69 0.00 12000.00 90.51 359.80 10918.60 1610.55 -31.50 1810.69 0.00 12000.00 90.51 359.80 10918.60 1610.55 -31.50 1810.69 0.00 12000.00 90.51 359.80 10915.03 2010.54 -32.21 2010.68 0.00 12000.00 90.51 359.80 10915.03 2010.54 -32.21 2010.68 0.00 12000.00 90.51 359.80 10915.03 2010.54 -32.257 2110.67 0.00	10300.00	0.00	359.80	10274.91	314.79	-26.16	314.92	0.00	
10440.22 6.31 359.80 10415.00 318.26 -26.17 318.39 10.00 3rd Bone Spring Lime / Point of Penetration 10500.00 12.28 359.80 10473.97 327.91 -26.20 328.04 10.00 10600.00 22.28 359.80 10658.10 403.37 -26.47 403.50 10.00 10800.00 42.28 359.80 10737.56 463.87 -26.69 464.00 10.00 10900.00 52.28 359.80 10805.31 537.25 -26.95 537.38 10.00 11000.00 62.28 359.80 10897.85 713.40 -27.58 713.53 10.00 11200.00 72.28 359.80 10919.84 810.82 -27.93 810.96 10.00 11200.00 90.51 359.80 10925.00 892.86 -28.22 892.99 10.00 11400.00 90.51 359.80 10923.95 1010.59 -28.28 910.72 0.00 11500.00 90.51 359.80 10922.84 910.59 -28.64 1010.72 0.00 <t< td=""><td>10377.15</td><td>0.00</td><td>359.80</td><td>10352.06</td><td>314.79</td><td>-26.16</td><td>314.92</td><td>0.00</td><td>KOP</td></t<>	10377.15	0.00	359.80	10352.06	314.79	-26.16	314.92	0.00	KOP
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10600.00 22.28 359.80 10569.33 357.58 -26.31 357.71 10.00 10700.00 32.28 359.80 10658.10 403.37 -26.47 403.50 10.00 10800.00 42.28 359.80 10737.56 463.87 -26.69 464.00 10.00 11000.00 52.28 359.80 10859.29 621.28 -27.25 621.41 10.00 11100.00 72.28 359.80 10897.85 713.40 -27.58 713.53 10.00 11200.00 82.28 359.80 109918.44 810.82 -27.93 810.96 10.00 11282.27 90.51 359.80 10924.84 910.59 -28.28 992.99 10.00 Landing Point 11300.00 90.51 359.80 10923.95 1010.59 -28.28 910.72 0.00 11500.00 90.51 359.80 10923.95 1010.59 -29.36 1210.71 0.00 11600.00 90.51 359.80	10440.22	6.31	359.80	10415.00	318.26	-26.17	318.39	10.00	3rd Bone Spring Lime / Point of Penetration
10700.00 32.28 359.80 10658.10 403.37 -26.47 403.50 10.00 10800.00 42.28 359.80 10737.56 463.87 -26.69 464.00 10.00 10900.00 52.28 359.80 10805.31 537.25 -26.95 537.38 10.00 1100.00 72.28 359.80 10897.85 713.40 -27.58 713.53 10.00 11200.00 82.28 359.80 10919.84 810.82 -27.93 810.96 10.00 11282.27 90.51 359.80 10925.00 892.86 -28.22 892.99 10.00 Landing Point 11300.00 90.51 359.80 10923.95 1010.59 -28.64 1010.72 0.00 11600.00 90.51 359.80 10922.17 1210.58 -29.36 1210.71 0.00 11700.00 90.51 359.80 10921.27 1310.57 -29.71 1310.71 0.00 11800.00 90.51 359.80									
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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 Plar						Zone: 3001 - NM East (NAD
MD	INC	AZI	TVD	NS	EW	vs	DLS	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
2700.00	90.51	359.80	10912.36	2310.53	-33.29	2310.67	0.00	
2800.00	90.51	359.80	10911.46	2410.52	-33.64	2410.66	0.00	
2900.00	90.51	359.80	10910.57	2510.52	-34.00	2510.66	0.00	
3000.00	90.51	359.80	10909.68	2610.51	-34.36	2610.65	0.00	
3100.00	90.51	359.80	10908.79	2710.51	-34.72	2710.65	0.00	
3200.00	90.51	359.80	10907.90	2810.50	-35.07	2810.65	0.00	
3300.00	90.51	359.80	10907.00	2910.50	-35.43	2910.64	0.00	
3400.00	90.51	359.80	10906.11	3010.49	-35.79	3010.64	0.00	
3500.00	90.51	359.80	10905.22	3110.49	-36.14	3110.63	0.00	
3600.00	90.51	359.80	10904.33	3210.48	-36.50	3210.63	0.00	
13700.00	90.51	359.80	10903.44	3310.48	-36.86	3310.63	0.00	
3800.00	90.51	359.80	10902.54	3410.48	-37.22	3410.62	0.00	
3900.00	90.51	359.80	10901.65	3510.47	-37.57	3510.62	0.00	
4000.00	90.51	359.80	10900.76	3610.47	-37.93	3610.61	0.00	
4100.00	90.51	359.80	10899.87	3710.46	-38.29	3710.61	0.00	
4200.00	90.51	359.80	10898.98	3810.46	-38.65	3810.61	0.00	
4300.00	90.51	359.80	10898.08	3910.45	-39.00	3910.60	0.00	
4400.00	90.51	359.80	10897.19	4010.45	-39.36	4010.60	0.00	
4500.00	90.51	359.80	10896.30	4110.44	-39.72	4110.59	0.00	
4600.00	90.51	359.80	10895.41	4210.44	-40.08	4210.59	0.00	
4700.00	90.51	359.80	10894.52	4310.43	-40.43	4310.58	0.00	
4800.00	90.51	359.80	10893.62	4410.43	-40.79	4410.58	0.00	
14900.00	90.51	359.80	10892.73	4510.42	-41.15	4510.58	0.00	
5000.00	90.51	359.80	10891.84	4610.42	-41.51 41.86	4610.57 4710.57	0.00	
15100.00 15200.00	90.51 90.51	359.80 359.80	10890.95 10890.06	4710.42 4810.41	-41.86 -42.22	4710.57 4810.56	0.00	
15300.00	90.51	359.80	10890.06	4910.41	-42.22 -42.58	4910.56	0.00 0.00	
15400.00	90.51	359.80	10888.27	5010.40	-42.93	5010.56	0.00	
15500.00	90.51	359.80	10887.38	5110.40	-43.29	5110.55	0.00	
15600.00	90.51	359.80	10886.49	5210.39	-43.65	5210.55	0.00	
15700.00	90.51	359.80	10885.60	5310.39	-44.01	5310.54	0.00	
15800.00	90.51	359.80	10884.71	5410.38	-44.36	5410.54	0.00	
15900.00	90.51	359.80	10883.81	5510.38	-44.72	5510.54	0.00	
16000.00	90.51	359.80	10882.92	5610.37	-45.08	5610.53	0.00	
16100.00	90.51	359.80	10882.03	5710.37	-45.44	5710.53	0.00	
16200.00	90.51	359.80	10881.14	5810.36	-45.79	5810.52	0.00	
16300.00	90.51	359.80	10880.25	5910.36	-46.15	5910.52	0.00	
16400.00	90.51	359.80	10879.35	6010.36	-46.51	6010.52	0.00	
16500.00	90.51	359.80	10878.46	6110.35	-46.87	6110.51	0.00	
16600.00	90.51	359.80	10877.57	6210.35	-47.22	6210.51	0.00	
16700.00	90.51	359.80	10876.68	6310.34	-47.58	6310.50	0.00	
16800.00	90.51	359.80	10875.79	6410.34	-47.94	6410.50	0.00	
16900.00	90.51	359.80	10874.89	6510.33	-48.29	6510.49	0.00	
17000.00	90.51	359.80	10874.00	6610.33	-48.65	6610.49	0.00	
17100.00	90.51	359.80	10873.11	6710.32	-49.01	6710.49	0.00	
17200.00	90.51	359.80	10872.22	6810.32	-49.37	6810.48	0.00	
17300.00	90.51	359.80	10871.33	6910.31	-49.72	6910.48	0.00	
7400.00	90.51	359.80	10870.44	7010.31	-50.08	7010.47	0.00	
7500.00	90.51	359.80	10869.54	7110.30	-50.44	7110.47	0.00	
7600.00	90.51	359.80	10868.65	7210.30	-50.80	7210.47	0.00	
7700.00	90.51	359.80	10867.76	7310.30	-51.15	7310.46	0.00	
7800.00	90.51	359.80	10866.87	7410.29	-51.51	7410.46	0.00	
17900.00	90.51	359.80	10865.98	7510.29	-51.87	7510.45	0.00	
18000.00	90.51	359.80	10865.08	7610.28	-52.23	7610.45	0.00	
18100.00	90.51	359.80	10864.19	7710.28	-52.58	7710.45	0.00	
18200.00	90.51	359.80	10863.30	7810.27	-52.94	7810.44	0.00	
18300.00	90.51	359.80	10862.41	7910.27	-53.30	7910.44	0.00	
18400.00	90.51	359.80	10861.52	8010.26	-53.65	8010.43	0.00	
18500.00	90.51	359.80	10860.62	8110.26	-54.01	8110.43	0.00	
18600.00 18700.00	90.51	359.80	10859.73	8210.25	-54.37	8210.42	0.00	
	90.51	359.80	10858.84 10857.95	8310.25	-54.73	8310.42	0.00	
18800.00 18900.00	90.51	359.80 359.80	10857.95	8410.24 8510.24	-55.08 -55.44	8410.42 8510.41	0.00	
18900.00	90.51	359.80 359.80		8510.24 8610.24	-55.44 -55.80	8510.41 8610.41	0.00	
19000.00	90.51 90.51	359.80 359.80	10856.16 10855.27	8610.24 8710.23	-55.80 -56.16	8610.41 8710.40		
19100.00	90.51	359.80	10855.27	8710.23 8810.23	-56.16 -56.51	8710.40 8810.40	0.00 0.00	
19200.00	90.51	359.80	10854.38	8910.22	-56.87	8910.40	0.00	
19300.00	90.51	359.80	10853.49	9010.22	-56.67 -57.23	9010.39	0.00	
	90.51	359.80	10852.60	9110.21	-57.59	9110.39	0.00	
19500 00		JJJ.0U	10031.71	J 1 1 U.Z I	31.33	2110.33	0.00	
19500.00 19600.00	90.51	359.80	10850.81	9210.21	-57.94	9210.38	0.00	



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

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 Ellipsoid: Clarke 1866

NC		Design:	Permit Plan	n #1					Zone: 3001 - NM East (N
Post	MD	INC	Δ71	TVD	NS	FW	vs	DIS	
905.1 359.80 10849.92 9310.20 -58.30 9310.38 0.00 905.1 359.80 10846.34 9510.19 -59.02 9510.37 0.00 905.1 359.80 10846.35 9710.18 -59.73 9710.36 0.00 905.1 359.80 10846.35 9710.18 -60.09 9810.36 0.00 905.1 359.80 10846.35 9710.18 -60.09 9810.36 0.00 905.1 359.80 10846.36 9810.18 -60.09 9810.36 0.00 905.1 359.80 10845.46 9810.18 -60.09 9810.36 0.00 905.1 359.80 10846.31 10110.17 -60.80 10010.35 0.00 905.1 359.80 10847.91 10110.17 -61.61 10110.35 0.00 905.1 359.80 10840.11 10410.15 -62.23 10410.33 0.00 905.1 359.80 10840.11 10410.15 -62.23 10410.33 0.00 905.1 359.80 10840.11 10410.15 -62.23 10410.33 0.00 905.1 359.80 10840.11 10410.15 -62.23 10410.33 0.00 905.1 359.80 10883.01 10610.14 -62.59 10610.33 0.00 905.1 359.80 10883.01 10610.14 -62.59 10610.33 0.00 905.1 359.80 10883.01 1080.01 10610.14 -63.30 10710.32 0.00 905.1 359.80 10883.74 10710.14 -63.30 10710.32 0.00 905.1 359.80 10883.65 10910.13 -64.02 10910.31 0.00 905.1 359.80 10883.67 11101.2 -64.02 10910.31 0.00 905.1 359.80 10883.87 11110.12 -64.73 11110.31 0.00 905.1 359.80 10883.87 11110.12 -65.09 11110.31 0.00 905.1 359.80 10883.88 1130.11 -65.85 1130.30 0.00 905.1 359.80 10883.88 1130.11 -65.85 1130.30 0.00 905.1 359.80 10882.28 117010.12 -65.09 1110.30 0.00 905.1 359.80 10882.28 117010.12 -65.09 1110.30 0.00 905.1 359.80 10882.28 117010.12 -66.68 11710.29 0.00 905.1 359.80 10882.28 117010.9 -66.82 11610.29 0.00 905.1 359.80 10882.76 11810.09 -67.23 11810.28 0.00 905.1 359.80 1082.76 11810.09 -67.23 11810.29 0.00 905.1 359.80 1082.76 11810.09 -67.23 11810.20 0.00 905.1 359.80 1082.36 12210.07 -68.31 1210.25 0.00 905.1 359.80 1082.31 12210.12 -65.09 1000.00 905.1 359.80 1086.31 12210.12 -65.09 1000.00 905.1 359.80 1086.31 1230.06 -69.02 12310.26 0.00 905.1 359.80 1086.31 1230.00 -69.02 12310.26 0.00 905.1 359.80 1086.31 1230.00 -69.02 12310.26 0.00 905.1 359.80 1086.31 1230.00 -69.02 12310.26 0.00 905.1 359.80 1086.31 1230.00 -70.81 12310.22 0.00 905.1 359.80 1086.50 1270.00 -70.81 12310.20 0.00 905.1 359.80 1086.50 1270.00 -70.81 12310.20 0.00 905.1 35	(ft)								Comment
90.51 359.80 10848.14 9510.19 -59.02 9510.37 0.00 90.51 359.80 10847.25 9610.19 -59.07 9610.37 0.00 90.51 359.80 10845.35 9710.18 -59.73 9610.37 0.00 90.51 359.80 10845.36 9710.18 -59.73 9710.36 0.00 90.51 359.80 10845.47 9910.18 -60.44 9910.36 0.00 90.51 359.80 10844.57 9910.18 -60.44 9910.36 0.00 90.51 359.80 10844.57 9910.18 -60.44 9910.36 0.00 90.51 359.80 10844.50 1001.17 -61.16 10110.35 0.00 90.51 359.80 10841.00 10310.16 -61.52 10210.34 0.00 90.51 359.80 10841.00 10310.16 -61.87 10310.44 0.00 90.51 359.80 10841.01 10310.16 -61.87 10310.44 0.00 90.51 359.80 10840.11 10410.15 -62.23 10410.33 0.00 90.51 359.80 10839.31 10610.14 -62.95 10610.33 0.00 90.51 359.80 10838.33 10610.14 -62.95 10610.33 0.00 90.51 359.80 10834.57 10710.14 -63.30 10710.24 0.00 90.51 359.80 10834.57 10710.14 -63.30 10710.32 0.00 90.51 359.80 10834.57 10710.14 -63.30 10710.34 0.00 90.51 359.80 10834.57 10710.14 -63.30 10710.32 0.00 90.51 359.80 10834.57 11010.12 -64.38 11010.31 0.00 90.51 359.80 10834.57 11010.12 -64.38 11010.31 0.00 90.51 359.80 10832.68 11310.11 -65.45 11310.30 0.00 90.51 359.80 10832.68 11310.11 -65.45 11310.30 0.00 90.51 359.80 10832.68 11310.11 -65.45 11310.30 0.00 90.51 359.80 10832.68 11310.11 -65.45 11310.30 0.00 90.51 359.80 1082.68 11310.11 -65.65 11610.29 0.00 90.51 359.80 1082.52 11710.09 -66.88 11710.29 0.00 90.51 359.80 1082.54 12010.02 -66.88 11710.29 0.00 90.51 359.80 1082.54 12010.02 -66.88 11710.29 0.00 90.51 359.80 1082.54 12010.02 -66.88 11710.29 0.00 90.51 359.80 1082.60 1310.03 -71.52 1100.00 0.00 90.51 359.80 1082.60 1310.03 -71.52 1100.00 0.00 90.51 359.80 1082.60 1310.01 1-66.52 11610.29 0.00 90.51 359.80 1082.60 1310.01 -66.61 11510.29 0.00 90.51 359.80 1082.60 1310.03 -71.52 1100.00 0.00 0.00 0.00 0.00 0.00 0.00	700.00								
90.51 359.80 10842.5 9710.18 -59.02 9510.37 0.00 90.51 359.80 10845.6 9610.19 -59.37 9610.37 0.00 90.51 359.80 10845.6 9810.18 -60.09 9810.36 0.00 90.51 359.80 10845.6 9810.18 -60.09 9810.36 0.00 90.51 359.80 10843.6 10010.17 -60.80 10010.35 0.00 90.51 359.80 10842.9 10110.17 -61.16 10110.35 0.00 90.51 359.80 10842.9 10110.17 -61.16 10110.35 0.00 90.51 359.80 10840.0 10310.16 -61.52 10210.34 0.00 90.51 359.80 10840.1 10410.15 -62.23 10410.33 0.00 90.51 359.80 10840.1 10410.15 -62.23 10410.33 0.00 90.51 359.80 10884.0 11 10410.15 -62.23 10410.33 0.00 90.51 359.80 10883.2 10510.15 -62.59 10610.33 0.00 90.51 359.80 10883.4 10610.14 -63.30 10710.32 0.00 90.51 359.80 10883.6 10810.3 -64.02 10910.31 0.00 90.51 359.80 10883.6 10810.3 -64.02 10910.31 0.00 90.51 359.80 10883.6 10810.3 -64.02 10910.31 0.00 90.51 359.80 10883.6 1010.2 -64.83 11010.31 0.00 90.51 359.80 10883.6 11110.12 -64.38 11010.31 0.00 90.51 359.80 10883.6 11110.12 -64.38 11010.31 0.00 90.51 359.80 10883.8 11210.12 -65.09 11210.30 0.00 90.51 359.80 10882.98 11210.12 -65.09 11210.30 0.00 90.51 359.80 10882.98 11210.12 -65.60 11210.30 0.00 90.51 359.80 10882.98 11210.12 -65.60 11410.29 0.00 90.51 359.80 10882.94 11610.0 -66.16 11510.29 0.00 90.51 359.80 1082.8 11701.0 -66.16 11510.29 0.00 90.51 359.80 1082.8 11701.0 -66.5 11610.29 0.00 90.51 359.80 1082.8 11701.0 -66.8 11700.2 0.00 90.51 359.80 1082.8 11701.0 -66.8 1100.2 0.00 90.51 359.80 1082.8 12100.0 -66.5 11610.29 0.00 90.51 359.80 1082.8 12100.0 -66.5 11610.2 0.00 90.51 359.80 1082.8 12100.0 -60.0 -60.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	800.00								
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90.51 359.80 10841.89 10210.16 -61.52 10210.34 0.00 90.51 359.80 10840.11 10410.15 -62.23 10410.33 0.00 90.51 359.80 10832.2 10510.15 -62.29 10510.33 0.00 90.51 359.80 10833.31 10610.14 -62.95 10610.33 0.00 90.51 359.80 10836.54 10810.13 -63.66 10810.32 0.00 90.51 359.80 10836.54 10810.13 -63.66 10810.32 0.00 90.51 359.80 10836.54 10810.13 -63.66 10810.32 0.00 90.51 359.80 10836.54 10810.13 -63.66 10810.32 0.00 90.51 359.80 10837.67 11010.12 -64.38 1101.31 0.00 90.51 359.80 10833.87 11110.12 -64.73 11110.31 0.00 90.51 359.80 10832.81 1110.11 -65.80 11210.30 0.00 90.51 359.80 10832.98 11210.12 -65.09 11210.30 0.00 90.51 359.80 10831.9 11410.11 -65.80 11410.29 0.00 90.51 359.80 1082.91 11610.10 -66.52 11610.29 0.00 90.51 359.80 1082.81 11010.09 -66.88 11710.28 0.00 90.51 359.80 10826.73 11910.08 -67.59 11910.27 0.00 90.51 359.80 10826.73 11910.08 -67.59 11910.27 0.00 90.51 359.80 10826.81 1210.00 -66.86 11710.28 0.00 90.51 359.80 10826.81 1210.00 -66.88 11710.28 0.00 90.51 359.80 10826.87 1210.07 -68.66 12210.26 0.00 90.51 359.80 10822.91 1210.07 -68.66 12210.26 0.00 90.51 359.80 10822.91 1210.07 -68.66 12210.26 0.00 90.51 359.80 10822.81 12300.08 -67.99 1910.27 0.00 90.51 359.80 10822.91 1210.07 -68.67 12210.26 0.00 90.51 359.80 10822.91 12300.03 -70.95 12410.20 0.00 90.51 359.80 10822.91 12300.03 -71.52 12300.00 90.51 359.80 10822.91 12300.03 -71.52 12300.00 90.51 359.80 10821.81 12310.06 -69.38 12410.25 0.00 90.51 359.80 10821.81 12310.06 -69.38 12410.25 0.00 90.51 359.80 10821.81 12310.06 -70.97 12510.26 0.00 90.51 359.80 10821.81 12310.06 -70.97 12510.26 0.00 90.51 359.80 10822.91 12810.09 -70.45 12710.24 0.00 90.51 359.80 10821.81 12310.06 -70.97 12510.25 0.00 90.51 359.80 10816.81 33100.33 -71.52 13010.23 0.00 90.51 359.80 10816.81 33100.33 -71.52 13010.23 0.00 90.51 359.80 10816.81 33100.39 -71.52 13010.23 0.00 90.51 359.80 10816.81 3390.99 -74.74 13910.19 0.00 90.51 359.80 10816.81 33700.00 -74.02 13710.20 0.00 90.51 359.80 1080.80 349 390.99 -74.74 13910.19 0.00 90.51 359.80 1080.80 34 1450.99 -75.51 14	0300.00	90.51	359.80	10844.57	9910.18	-60.44	9910.36	0.00	
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90.51 359.80 10790.00 16025.95 -82.22 16026.16 0.00 BHL	5416.06	90.51	359.80	10790.00	16025.95	-82.22	16026.16	0.00	BHL

EXMOOR 10-34 FED COM 305H

1. Geologic Formations

TVD of target	10791	Pilot hole depth	N/A
MD at TD:	26416	Deepest expected fresh water	

Basin

Dasin			
	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	855		
Salt	1125		
Base of Salt	4340		
Cherry Canyon	5300		
Brushy Canyon	6580		
1st Bone Spring Lime	8220		
Leonard	8350		
Bone Spring Lime 2nd	9675		
3rd Bone Spring Lime	10415		
		_	
		_	

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

2. Casing Program (Primary Design)

	, , , , , , , , , , , , , , , , , , ,	Wt			Casing	Interval	Casing Interval		
Hole Size	Csg. Size	(PPF)	Grade	Conn	From (MD)	To (MD)	From (TVD)	To (TVD)	
14 3/4	10 3/4	45 1/2	J-55	ВТС	0	955	0	955	
9 7/8	8 5/8	32	P110HSCY	MOFXL	0	10277	0	10277	
7 7/8	5 1/2	20	P110EC	DWC/IS-C+	0	26416	0	10791	

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

3. Cementing Program (Primary Design)

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	# Sks	TOC	Wt.	Yld (ft3/sack)	Slurry Description
Surface	578	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	337	Surf	13.0	2.3	2nd State: Bradenhead Squeeze - Lead: Class C Cement + additives
III I	428	6605	13.2	1.44	Tail: Class H / C + additives
Production	132	8377	9	3.27	Lead: Class H /C + additives
Froduction	2412	10377	13.2	1.44	Tail: Class H / C + additives

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.

Casing String	% Excess
Surface	50%
Intermediate 1	30%
Prod	25%

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Ty	ype	✓	Tested to:
			Annular		X	50% of rated working pressure
Int 1	13-5/8"	5M	Bline	l Ram	X	
IIIt I	13-3/6	3101	Pipe	Ram		5M
			Doub:	le Ram	X	J1V1
			Other*			
		51	Annular (5M)		X	50% of rated working pressure
Don't all a	12 5/0"		Blind Ram		X	5M
Production	13-5/8"	5M	Pipe Ram			
			Double Ram		X	SIVI
			Other*			
	Annular (5M)					
			Blind Ram			
		Pipe Ram			1	
	Double Ram		le Ram		1	
			Other*			
N A variance is requested for	the use of a	diverter or	the surface	casing. See a	attached for s	chematic.
Y A variance is requested to 1	A variance is requested to run a 5 M annular on a 10M system					

5. Mud Program (Three String Design)

Section	Туре	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Production	OBM	10-10.5

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

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

6. Logging and Testing Procedures

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

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

7. Drilling Conditions

Condition	Specfiy what type and where?			
BH pressure at deepest TVD	5892			
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.

incastred values and formations will be provided to the BEW.						
N	H2S is present					
Y	H2S plan attached.					

8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
 - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (43 CFR 3172, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments	1
X	Directional Plan
	Other, describe

C-10	02		_		State	of N	New Mexico			Rev	rised July, 2024
Energy, Minerals & OIL CONSE				atural Resources Department VATION DIVISION							
Submit Electronically Via OCD Permitting							Submittal	☐ Initial Submittal			
							Type:	☐ Amended Report			
								☐ As Drilled			
				W	ELL LOC	CATIO	ON INFORMATION	N			
API N	umber		Pool Cod			F	Pool Name PADUC	A; BON	E SPRIN	JG	
Property Code Property Name					00P	10-34 FED COM			Well Number 305H		
OGRID No. Operator Name					RODUCTION COMPANY, L.P.			Ground Level Elevation 3385.5'			
Surfac	e Owner:	□State □	 Fee □Tril				Mineral Owner: State See Stribal Affederal				
						Cunf	ace Location				
UL	Section	Township	Range	Lot	Ft. from			Latitude Longitude			County
A	15	25-S	31-E	200	265	•		32.136963		103.758806	EDDY
							n Hole Location				
UL	Section	Township	Range	Lot	Ft. from	n N/	S Ft. from E/W	Latitude		Longitude	County
A	34	24-S	31-E		20'	N	520'E	32.181	016	103.758795	EDDY
Dedicated Acres Infill or Defining Well Defining Well API Overlapping Spacing Unit (Y/N) Consolidation Code											
			5-49341		N	` ,		С			
Order	Numbers	N/A				Well	l setbacks are under Common Ownership: \[\textstyle				
					Kie	k Off	Point (KOP)				,
UL	Section	Township	Range	Lot	Ft. from			Latitude		Longitude	County
P	10	25-S	31-E			•	520' E	32.137	7	-103.7590	EDDY
1	10	25-5	012		50' S		ke Point (FTP)	32.13//		103.7370	
UL	Section	Township	Range	Lot	Ft. from N/S			Latitude		Longitude	County
P	10	25-S	31-E		100' S		520' E	32.137966		103.758884	EDDY
					Last Ta		ke Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from		· · · · · · · · · · · · · · · · · · ·			Longitude	County
A	34	24-S	31-E		100'	N	520' E	32.180796		103.758796	EDDY
Unitiz	ed Area or A	Area of Uniform	n Interest		Spac	ing U	Unit Type Horizontal Vertical			Ground Floor Elevation:	
			N		_		X			N/A	
OPERA'	TOR CERTI	FICATIONS					SURVEYOR CERTIFICATIONS				
I hereby	certify that the	information cor				e best	I hereby certify that the well location shown on this plat was plotted from field notes				
organizat	tion either owi	belief, and, if the as a working inte	rest or unlease	d mineral in	terest in the l	and	of actual surveys made by me or under supervision, and that the same is true and correct to the best of my belief.				
		bottom hole loca ontract with an o				is					
location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order			order		MEX MEX						
	heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral							/ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
								23261	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				P Telesofo &							
division.											
Amy A. Brown 04/04/2025 Signature Date				Signature and Seal of Professional Surveyor ONAL							
	Amy A. Brown										
Printed Name				C	Certificate Number Date of Survey						
amy.brown@dvn.com Email Address				23261	03/2025						
Eman Address						/ .20					

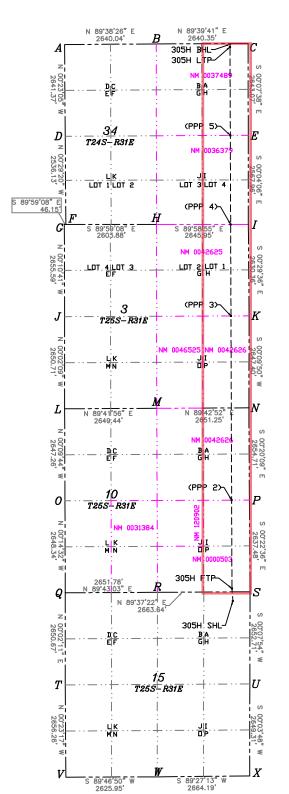
ACREAGE DEDICATION PLATS

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.

EXMUDR 10-34 FED COM 305H GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 265' FNL 494' FEL SECTION 15 EL: 3385.5' N:414037.01/E:719170.14 LAT:32.136963/LON:103.758806 KICK DFF PDINT CALLS: 50' FSL, 520' FEL N:414352 /E: 10377.15 LAT: 32.1377 /LON: -103.7590 FIRST TAKE POINT FSL 520' FEL SECTION 10 N:414401.85/E:719144.11 1004 LAT:32.137966/LDN:103.758884 LAST TAKE POINT 100' FNL 520' FEL SECTION 34 N:429982.96/E:719088.09 LAT:32.180796/DN:103.758796 BOTTOM HOLE LOCATION FNL 520' FEL SECTION 34 N:430062.96/E:719087.92 LAT:32.181016/LDN:103.758795 PPP 2 2639' FSL 512' FEL SECTION 10 N:416940.80/E:719134.98 LAT:32.144945/LDN:103.758870 PPP 3 2648' FSL 523' FEL SECTION 3 N:422242.41/E:719115.92 LAT:32.159518/LON:103.758840 PPP 4 0' FNL 510' FEL SECTION 3 N:424875.18/E:719106.46 LAT:32.166756/LON:103.758825 PPP 5 2565' FSL 516' FEL SECTION 34 N:427439.99/E:719097.24 LAT:32.173806/LUN:103.758811

A=Ni430053.86 E:714327.58 M=Ni419584.16 E:716980.14 B=Ni430070.42 E:716967.57 N=Ni419597.37 E:719631.86 C=Ni43008.03 E:719607.87 D=Ni45922.99 E:714338.22 D=Ni427412.55 E:714345.32 P=Ni416942.70 E:719647.42 E=Ni427442.97 E:719613.73 Q=Ni414274.67 E:714349.43 F=Ni424876.53 E:714366.96 R=Ni414287.46 E:717961.87 E=Ni424875.36 E:716970.84 T=Ni41624.00 E:719647.42 T=Ni424875.02 E:719616.79 U=Ni41624.00 E:714347.74 E=Ni42244.76 E:719639.44 V=Ni408977.85 E:716991.66 L=Ni419570.24 E:714330.73 X=Ni409003.26 E:719655.72





Sundry Print Repor U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Well Name: EXMOOR 10-34 FED COM Well Location: T25S / R31E / SEC 15 / County or Parish/State: EDDY /

NENE / 32.136962 / -103.759

Well Number: 305H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM0503 **Unit or CA Name: Unit or CA Number:**

US Well Number: Operator: DEVON ENERGY

PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2851354

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

Date Sundry Submitted: 05/06/2025 **Time Sundry Submitted: 11:44**

Date proposed operation will begin: 05/07/2025

Procedure Description: In addition to a SHL change (2840676), Devon Energy Production Co., L.P. (Devon) respectfully requests a BHL, Spacing and Drill Plan change for the subject well (APD ID 10400100972). Devon also requests break test with stump and offline cementing variances. Please see revised C102, drill plan, directional plan, and variance attachments. Permitted BHL: UL A, 20 FNL, 420 FEL, Sec 34, T 24S, R 31E Proposed BHL: UL A, 20 FNL, 520 FEL, Sec 34, T 24S, R 31E Permitted Acreage and Spacing: 954.5, Full E/2 Proposed Acreage and Spacing: 477.3, E/2 of E/2

NOI Attachments

Procedure Description

Offline Cementing Variance Request 20250506114339.pdf

Break_Test_Variance_Offline_BOP_2_3_2025_20250506114318.pdf

5.5_20lb_P110EC_DWC_C_IS_PLUS_20250506114223.pdf

8.625_32lb_P110_HSCY_MO_FXL_20250506114201.pdf

10.75_45.5lb_J55_BTC_20250506114144.pdf

EXMOOR_10_34_FED_COM_305H_Directional_Plan_04_09_25_20250506114101.pdf

 ${\sf EXMOOR_10_34_FED_COM_305H_4_9_20250506114040.pdf}$

WA022550694_EXMOOR_10_34_FED_COM_305H_WL_R2_SIGNED_20250506114025.pdf

Page 1 of 2

Well Name: EXMOOR 10-34 FED COM Well Location: T25S / R31E / SEC 15 / County or Parish/State: EDDY / of

NENE / 32.136962 / -103.759

Well Number: 305H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM0503 Unit or CA Name: Unit or CA Number:

US Well Number: Operator: DEVON ENERGY

PRODUCTION COMPANY LP

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 15, 2025 11:06 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

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

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:

LOCATION:
COUNTY:

Devon Energy Production Company LP

Section 15, T.25 S., R.31 E., NMPM

Eddy County, New Mexico

WELL NAME & NO.: Exmoor 10-34 Fed Com 305H

ATS/API ID: ATS-24-2899 APD ID: 10400100972 Sundry ID: 2851354

COA

H2S	No 🔻		
Potash	None 🔻	None	
Cave/Karst Potential	High ▼		
Cave/Karst Potential	Critical		
Variance	O None	Flex Hose	Other Other
Wellhead	Conventional and Multibowl	▼	
Other	□4 String □5 String	Capitan Reef None	□WIPP
Other	Pilot Hole None	Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter Int 1	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	▼ COM	Unit Unit
Special Requirements	☐ Batch Sundry	Waste Prevention Waste MP	
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 10-3/4 inch surface casing shall be set at approximately 880 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be 14 3/4 inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above. 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 6580'.

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 400 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 <u>High Cave/Karst Areas</u> if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least 200 feet into previous casing string.
 Operator shall provide method of verification.
 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 5000 (5M) psi. Annular which shall be tested to 3500 (70% Working Pressure) psi.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 8-5/8 inch intermediate casing shoe shall be 5000 (5M) psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 10-3/4 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 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, 2021

BUR	EAU OF LAND MANA	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	TRIPLICATE - Other instru	7. If Unit of CA/Agreement	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		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			
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, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

(Form 3160-5, page 2)

Additional Information

Location of Well

0. SHL: NENE / 265 FNL / 494 FEL / TWSP: 25S / RANGE: 31E / SECTION: 15 / LAT: 32.136962 / LONG: -103.759 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 10 / LAT: 32.137967 / LONG: -103.75827 (TVD: 10415 feet, MD: 10446 feet)

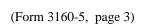
PPP: SENE / 2467 FNL / 330 FEL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.1743494 / LONG: -103.7581946 (TVD: 10811 feet, MD: 24000 feet)

PPP: LOT 4 / 137 FSL / 330 FEL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.1672027 / LONG: -103.7582087 (TVD: 10834 feet, MD: 21400 feet)

PPP: SENE / 2563 FNL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 3 / LAT: 32.1597812 / LONG: -103.7582233 (TVD: 10858 feet, MD: 18700 feet)

PPP: SENE / 2479 FSL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 10 / LAT: 32.1454878 / LONG: -103.7582514 (TVD: 10905 feet, MD: 13500 feet)

BHL: NENE / 20 FNL / 420 FEL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.181016 / LONG: -103.758181 (TVD: 10790 feet, MD: 26425 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		Х	Х	X
Blind Rams		X		X
Lower Rams				X
Outside Kill Valve		X	Χ	X
Inside Kill Valve		X	Χ	X
Kill Line Check Valve		X	Χ	X
Inside Choke Valve		X	Χ	X
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)	X			X
Standpipe Valve	X			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

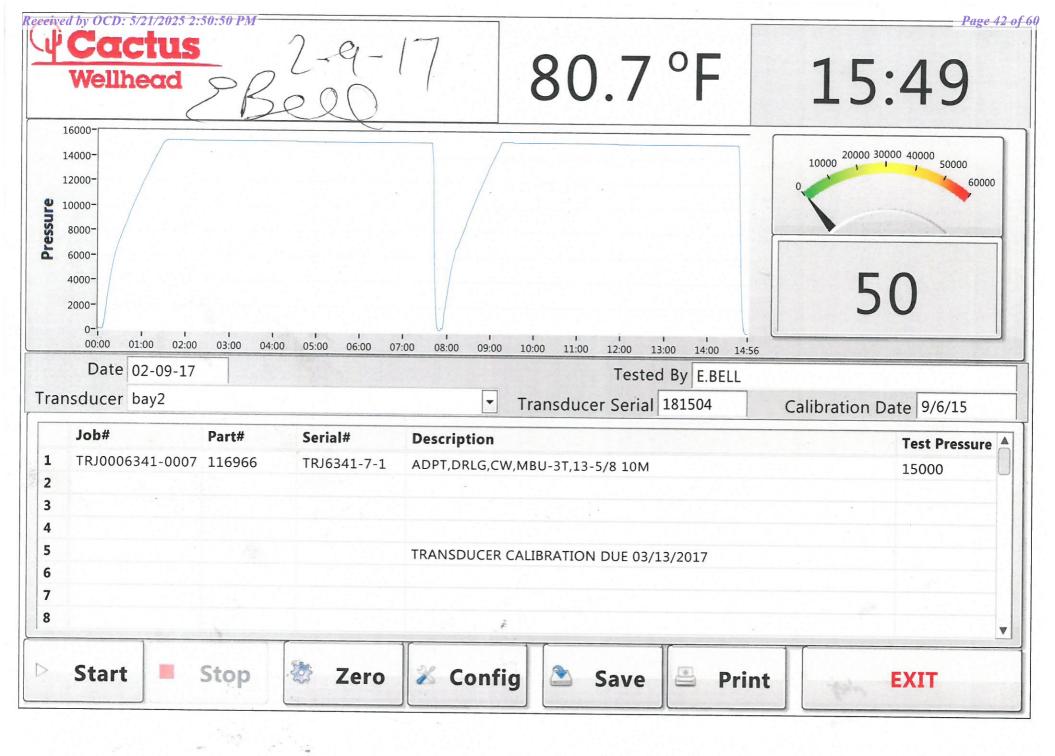
Notify the BLM if the online BOPE testing exceeds 72-hours

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





Connection Data Sheet

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

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

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

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

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

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

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

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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Fax: 713-479-3234
VAM USA Sales E-mail: <u>VAMUSAsales@vam-usa.com</u>
Tech Support E-mail: tech.support@vam-usa.com

DWC Connection Data Notes:

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

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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etal One Corp.	MO-FXL		MO-FXL 8-5/8 32.0			
		CDS#	P110HSCY			
Metal <mark>O</mark> ne	*1 Pipe Body: Borusan P110HS	22011	MinYS125ksi			
	95%RBW Special Drift	ļ		95%RBW :		
	Connection Data	Sheet	Date	16-Jan-24		
	Geometry					
	Occinically	<u>l</u>	<u>S.I.</u>			
	Pipe Body					
	Grade *1	P110HSCY		P110HSCY		
	MinYS *1	125	ksi	125	ksi	
	Pipe OD (D)	8 5/8	in	219.08	mm	
MO-FXL	Weight	32.00	lb/ft	47.68	kg/m	
	Actual weight	31.10		46.34	kg/m	
	Wall Thickness (t)	0.352	in	8.94	mm	
	Pipe ID (d)	7.921	in	201.19	mm	
	Pipe body cross section	9.149	in ²	5,902	mm ²	
1	Special Drift Dia. *1	7.875	in	200.03	mm	
	-	-	_	-	_	
		<u> </u>	l			
Box	Connection					
area	Box OD (W)	8.625	in	219.08	mm	
	PIN ID	7.921	in	201.19	mm	
	Make up Loss	3.847	in	97.71	mm	
	Box Critical Area	5.853	in ²	3686	mm ²	
← d	DOX CITICAL ATEA	0.000				
	_	69	%	69	%	
Make Make	Joint load efficiency Thread Taper			69 2" per ft)	%	
	Joint load efficiency	69	/ 10 (1.		%	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance	69	/ 10 (1.	2" per ft)	%	
Make up loss D	Joint load efficiency Thread Taper Number of Threads	69	/ 10 (1. 5	2" per ft)	% kN	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1	69 1 , for Pipe Body 1,144	/ 10 (1. 5 kips	2" per ft) TPI	kN	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1 M.I.Y.P. *1	69 1,144 9,690	/ 10 (1. 5	2" per ft) TPI 5,087	kN MPa	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1 M.I.Y.P. *1 Collapse Strength *1	69 1,144 9,690 4,300	kips psi psi	2" per ft) TPI 5,087 66.83 29.66	kN MPa MPa	
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Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1 M.I.Y.P. *1 Collapse Strength *1 Note S.M.Y.S.= Specif M.I.Y.P. = Minim *1: Borusan: SOP-12-F05 Re P110HSCY: MinYS125ksi, 95 Performance Properties Tensile Yield load Min. Compression Yield Internal Pressure External Pressure External Pressure Max. DLS (deg. /100ft) Recommended Torque Min.	for Pipe Body 1,144 9,690 4,300 ied Minimum YIE um Internal Yield v.2, 10/17/2023 9%RBW, SD7.875 for Connection 789 kips 789 kips 6,780 psi (kips psi psi LD Strer Pressur 69% 69% 100% c 2	5,087 66.83 29.66 Igth of Pipe body se Strength 4,3 of S.M.Y.S.) of S.M.Y.S.) of M.I.Y.P.) of Collapse Strength	kN MPa MPa y 00psi	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1 M.I.Y.P. *1 Collapse Strength *1 Note S.M.Y.S.= Specif M.I.Y.P. = Minim *1: Borusan: SOP-12-F05 Re P110HSCY: MinYS125ksi, 95 Performance Properties Tensile Yield load Min. Compression Yield Internal Pressure External Pressure External Pressure Max. DLS (deg. /100ft) Recommended Torque Min. Opti.	for Pipe Body 1,144 9,690 4,300 ied Minimum YIE um Internal Yield v.2, 10/17/2023 9%RBW, SD7.875 for Connection 789 kips 789 kips 6,780 psi (13,600 14,900	kips psi psi LD Strer Pressur 69% 69% 100% c 22	5,087 66.83 29.66 Igth of Pipe body se Strength 4,3 of S.M.Y.S.) of S.M.Y.S.) of M.I.Y.P.) of Collapse Strength 9	kN MPa MPa y 00psi rength	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1 M.I.Y.P. *1 Collapse Strength *1 Note S.M.Y.S.= Specif M.I.Y.P. = Minim *1: Borusan: SOP-12-F05 Re P110HSCY: MinYS125ksi, 95 Performance Properties Tensile Yield load Min. Compression Yield Internal Pressure External Pressure External Pressure Max. DLS (deg. /100ft) Recommended Torque Min. Opti. Max.	for Pipe Body 1,144 9,690 4,300 ied Minimum YIE um Internal Yield v.2, 10/17/2023 9%RBW, SD7.875 for Connection 789 kips 789 kips 6,780 psi (kips psi psi LD Strer Pressur 69% 69% 100% c 2	5,087 66.83 29.66 1gth of Pipe body se Strength 4,3 of S.M.Y.S.) of S.M.Y.S.) of M.I.Y.P.) of Collapse Strength 9 18,400 20,200 21,900	kN MPa MPa y 00psi	
Make up loss D	Joint load efficiency Thread Taper Number of Threads Performance Performance Properties S.M.Y.S. *1 M.I.Y.P. *1 Collapse Strength *1 Note S.M.Y.S.= Specif M.I.Y.P. = Minim *1: Borusan: SOP-12-F05 Re P110HSCY: MinYS125ksi, 95 Performance Properties Tensile Yield load Min. Compression Yield Internal Pressure External Pressure External Pressure Max. DLS (deg. /100ft) Recommended Torque Min. Opti.	for Pipe Body 1,144 9,690 4,300 ied Minimum YIE um Internal Yield v.2, 10/17/2023 9%RBW, SD7.875 for Connection 789 kips 789 kips 6,780 psi (13,600 14,900	kips psi psi LD Strer Pressur 69% 69% 100% c 22	5,087 66.83 29.66 Igth of Pipe body se Strength 4,3 of S.M.Y.S.) of S.M.Y.S.) of M.I.Y.P.) of Collapse Strength 9	kN MPa MPa y 00psi rength	

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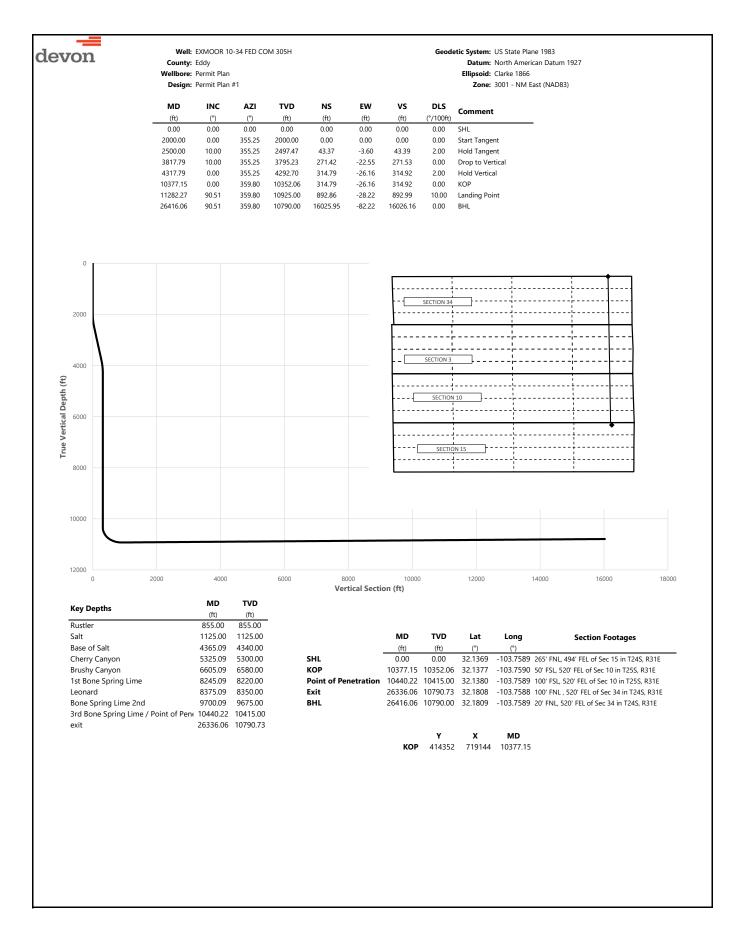
Statements regarding the suitability of products for certain types of applications are based on Metal One's knowledge of typical requirements that are often placed on Metal One products in standard well configurations. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application

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



<u>10-3/4"</u>	<u>45.50#</u>	<u>0.400"</u>	<u>J-55</u>					
Dimensions (Nominal)								
Outside Diameter			10.750	in.				
Wall			0.400	in.				
Inside Diameter			9.950	in.				
Drift			9.875	in.				
Weight, T&C			45.500	lbs/ft				
Weight, PE			44.260	lbs/ft				
<u>Performance</u>	<u>Properties</u>							
Collapse			2090	psi				
Internal Yield Press	sure at Minimum Yield							
	PE		3580	psi				
;	STC		3580	psi				
	втс		3580	psi				
Yield Strength, Pipe	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.





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.	r errint riai						Zone. 3001 - Mili East (MAD03)
MD	INC	AZI	TVD	NS	EW	vs	DLS	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	355.25	100.00	0.00	0.00	0.00	0.00	SILE
200.00	0.00	355.25	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	355.25	300.00	0.00	0.00	0.00	0.00	
			400.00	0.00	0.00	0.00	0.00	
400.00	0.00	355.25						
500.00	0.00	355.25	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	355.25	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	355.25	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	355.25	800.00	0.00	0.00	0.00	0.00	
855.00	0.00	355.25	855.00	0.00	0.00	0.00	0.00	Rustler
900.00	0.00	355.25	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	355.25	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	355.25	1100.00	0.00	0.00	0.00	0.00	
1125.00	0.00	355.25	1125.00	0.00	0.00	0.00	0.00	Salt
1200.00	0.00	355.25	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	355.25	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	355.25	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	355.25	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	355.25	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	355.25	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	355.25	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	355.25	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	355.25	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	355.25	2099.98	1.74	-0.14	1.74	2.00	
2200.00	4.00	355.25	2199.84	6.95	-0.58	6.96	2.00	
2300.00	6.00	355.25	2299.45	15.64	-1.30	15.65	2.00	
2400.00	8.00	355.25	2398.70	27.78	-2.31	27.80	2.00	
2500.00	10.00	355.25	2497.47	43.37	-3.60	43.39	2.00	Hold Tangent
2600.00	10.00	355.25	2595.95	60.68	-5.04	60.70	0.00	
2700.00	10.00	355.25	2694.43	77.98	-6.48	78.02	0.00	
2800.00	10.00	355.25	2792.91	95.29	-7.92	95.33	0.00	
2900.00	10.00	355.25	2891.39	112.59	-9.36	112.64	0.00	
3000.00	10.00	355.25	2989.87	129.90	-10.79	129.95	0.00	
3100.00	10.00	355.25	3088.35	147.20	-12.23	147.26	0.00	
3200.00	10.00	355.25	3186.83	164.51	-13.67	164.58	0.00	
3300.00	10.00	355.25	3285.31	181.81	-15.11	181.89	0.00	
3400.00	10.00	355.25	3383.79	199.12	-16.55	199.20	0.00	
3500.00	10.00	355.25	3482.27	216.42	-17.98	216.51	0.00	
3600.00	10.00	355.25	3580.75	233.73	-19.42	233.83	0.00	
3700.00	10.00	355.25	3679.23	251.03	-20.86	251.14	0.00	
3800.00	10.00	355.25	3777.72	268.34	-22.30	268.45	0.00	
3817.79	10.00	355.25	3795.23	271.42	-22.55	271.53	0.00	Drop to Vertical
3900.00	8.36	355.25	3876.39	284.49	-23.64	284.60	2.00	prop to vertical
4000.00	6.36	355.25	3975.56	297.24	-24.70	297.37	2.00	
4100.00	4.36	355.25	4075.12	306.55	-25.47	306.67	2.00	
4200.00	2.36	355.25	4174.94	312.38	-25.96	312.51	2.00	
4300.00	0.36	355.25	4274.91	314.74	-25.96	314.87	2.00	
4300.00	0.00	355.25	4274.91	314.74	-26.15	314.92	2.00	Hold Vertical
4317.79	0.00	355.25	4340.00	314.79	-26.16 -26.16	314.92	0.00	Base of Salt
4400.00	0.00	359.80	4374.91	314.79	-26.16	314.92	0.00	base of sain
4500.00	0.00	359.80	4474.91	314.79	-26.16	314.92	0.00	
4600.00	0.00	359.80	4574.91	314.79	-26.16	314.92	0.00	
4700.00	0.00	359.80	4674.91	314.79	-26.16 -26.16	314.92	0.00	
4800.00	0.00	359.80	4774.91	314.79	-26.16 -26.16	314.92	0.00	
4900.00	0.00	359.80	4874.91	314.79	-26.16 -26.16	314.92	0.00	
5000.00		359.80		314.79			0.00	
5100.00	0.00	359.80	4974.91	314.79 314.79	-26.16 26.16	314.92	0.00	
			5074.91		-26.16 26.16	314.92		
5200.00	0.00	359.80	5174.91	314.79	-26.16 26.16	314.92	0.00	
5300.00	0.00	359.80	5274.91	314.79	-26.16	314.92	0.00	Charac Carrier
5325.09	0.00	359.80	5300.00	314.79	-26.16	314.92	0.00	Cherry Canyon
5400.00	0.00	359.80	5374.91	314.79	-26.16	314.92	0.00	
5500.00	0.00	359.80	5474.91	314.79	-26.16	314.92	0.00	
5600.00	0.00	359.80	5574.91	314.79	-26.16	314.92	0.00	
5700.00	0.00	359.80	5674.91	314.79	-26.16	314.92	0.00	
5800.00	0.00	359.80	5774.91	314.79	-26.16	314.92	0.00	
5900.00	0.00	359.80	5874.91	314.79	-26.16	314.92	0.00	
6000.00	0.00	359.80	5974.91	314.79	-26.16	314.92	0.00	
6100.00	0.00	359.80	6074.91	314.79	-26.16	314.92	0.00	
6200.00	0.00	359.80	6174.91	314.79	-26.16	314.92	0.00	
6300.00	0.00	359.80	6274.91	314.79	-26.16	314.92	0.00	



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.	remitria						Zone. 3001 - MM East (MAD03)
MD	INC	AZI	TVD	NS	EW	vs	DLS	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
6400.00	0.00	359.80	6374.91	314.79	-26.16	314.92	0.00	
6500.00	0.00	359.80	6474.91	314.79	-26.16	314.92	0.00	
6600.00				314.79		314.92		
6605.09	0.00	359.80	6574.91		-26.16		0.00	Davidor Carriag
	0.00	359.80	6580.00	314.79	-26.16	314.92	0.00	Brushy Canyon
6700.00	0.00	359.80	6674.91	314.79	-26.16	314.92	0.00	
6800.00	0.00	359.80	6774.91	314.79	-26.16	314.92	0.00	
6900.00	0.00	359.80	6874.91	314.79	-26.16	314.92	0.00	
7000.00	0.00	359.80	6974.91	314.79	-26.16	314.92	0.00	
7100.00	0.00	359.80	7074.91	314.79	-26.16	314.92	0.00	
7200.00	0.00	359.80	7174.91	314.79	-26.16	314.92	0.00	
7300.00	0.00	359.80	7274.91	314.79	-26.16	314.92	0.00	
7400.00	0.00	359.80	7374.91	314.79	-26.16	314.92	0.00	
7500.00	0.00	359.80	7474.91	314.79	-26.16	314.92	0.00	
7600.00	0.00	359.80	7574.91	314.79	-26.16	314.92	0.00	
7700.00	0.00	359.80	7674.91	314.79	-26.16	314.92	0.00	
7800.00	0.00	359.80	7774.91	314.79	-26.16	314.92	0.00	
7900.00	0.00	359.80	7874.91	314.79	-26.16	314.92	0.00	
8000.00	0.00	359.80	7974.91	314.79	-26.16	314.92	0.00	
8100.00	0.00	359.80	8074.91	314.79	-26.16	314.92	0.00	
8200.00	0.00	359.80	8174.91	314.79	-26.16	314.92	0.00	
8245.09	0.00	359.80	8220.00	314.79	-26.16	314.92	0.00	1st Bone Spring Lime
		359.80					0.00	ist boile spillig Lillie
8300.00	0.00		8274.91	314.79	-26.16	314.92		Language
8375.09	0.00	359.80	8350.00	314.79	-26.16	314.92	0.00	Leonard
8400.00	0.00	359.80	8374.91	314.79	-26.16	314.92	0.00	
8500.00	0.00	359.80	8474.91	314.79	-26.16	314.92	0.00	
8600.00	0.00	359.80	8574.91	314.79	-26.16	314.92	0.00	
8700.00	0.00	359.80	8674.91	314.79	-26.16	314.92	0.00	
8800.00	0.00	359.80	8774.91	314.79	-26.16	314.92	0.00	
8900.00	0.00	359.80	8874.91	314.79	-26.16	314.92	0.00	
9000.00	0.00	359.80	8974.91	314.79	-26.16	314.92	0.00	
9100.00	0.00	359.80	9074.91	314.79	-26.16	314.92	0.00	
9200.00	0.00	359.80	9174.91	314.79	-26.16	314.92	0.00	
9300.00	0.00	359.80	9274.91	314.79	-26.16	314.92	0.00	
9400.00	0.00	359.80	9374.91	314.79	-26.16	314.92	0.00	
9500.00	0.00	359.80	9474.91	314.79	-26.16	314.92	0.00	
9600.00	0.00	359.80	9574.91	314.79	-26.16	314.92	0.00	
9700.00	0.00	359.80	9674.91	314.79	-26.16	314.92	0.00	
9700.09	0.00	359.80	9675.00	314.79	-26.16	314.92	0.00	Bone Spring Lime 2nd
9800.00	0.00	359.80	9774.91	314.79	-26.16	314.92	0.00	
9900.00	0.00	359.80	9874.91	314.79	-26.16	314.92	0.00	
10000.00	0.00	359.80	9974.91	314.79	-26.16	314.92	0.00	
10100.00	0.00	359.80	10074.91	314.79	-26.16	314.92	0.00	
10200.00	0.00	359.80	10174.91	314.79	-26.16	314.92	0.00	
10300.00	0.00	359.80	10274.91	314.79	-26.16	314.92	0.00	VOD
10377.15	0.00	359.80	10352.06	314.79	-26.16	314.92	0.00	KOP
10400.00	2.28	359.80	10374.90	315.25	-26.16	315.38	10.00	2.12 6.1. 11. (2.1.) (5)
10440.22	6.31	359.80	10415.00	318.26	-26.17	318.39	10.00	3rd Bone Spring Lime / Point of Penetration
10500.00	12.28	359.80	10473.97	327.91	-26.20	328.04	10.00	
10600.00	22.28	359.80	10569.33	357.58	-26.31	357.71	10.00	
10700.00	32.28	359.80	10658.10	403.37	-26.47	403.50	10.00	
10800.00	42.28	359.80	10737.56	463.87	-26.69	464.00	10.00	
10900.00	52.28	359.80	10805.31	537.25	-26.95	537.38	10.00	
11000.00	62.28	359.80	10859.29	621.28	-27.25	621.41	10.00	
11100.00	72.28	359.80	10897.85	713.40	-27.58	713.53	10.00	
11200.00	82.28	359.80	10919.84	810.82	-27.93	810.96	10.00	
11282.27	90.51	359.80	10925.00	892.86	-28.22	892.99	10.00	Landing Point
11300.00	90.51	359.80	10924.84	910.59	-28.28	910.72	0.00	
11400.00	90.51	359.80	10923.95	1010.59	-28.64	1010.72	0.00	
11500.00	90.51	359.80	10923.06	1110.58	-29.00	1110.72	0.00	
11600.00	90.51	359.80	10922.17	1210.58	-29.36	1210.71	0.00	
11700.00	90.51	359.80	10921.27	1310.57	-29.71	1310.71	0.00	
11800.00						1410.70		
	90.51	359.80	10920.38	1410.57	-30.07		0.00	
11900.00	90.51	359.80	10919.49	1510.56	-30.43	1510.70	0.00	
12000.00	90.51	359.80	10918.60	1610.56	-30.78	1610.70	0.00	
12100.00	90.51	359.80	10917.71	1710.55	-31.14	1710.69	0.00	
12200.00	90.51	359.80	10916.81	1810.55	-31.50	1810.69	0.00	
12300.00	90.51	359.80	10915.92	1910.54	-31.86	1910.68	0.00	
12400.00	90.51	359.80	10915.03	2010.54	-32.21	2010.68	0.00	
12500.00	90.51	359.80	10914.14	2110.54	-32.57	2110.67	0.00	
12600.00	90.51	359.80	10913.25	2210.53	-32.93	2210.67	0.00	



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)

	z co.g	Permit Plan						Zone: 3001 - NM East (NAD83)
MD	INC	AZI	TVD	NS	EW	vs	DLS	_
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
12700.00	90.51	359.80	10912.36	2310.53	-33.29	2310.67	0.00	
12800.00	90.51	359.80	10911.46	2410.52	-33.64	2410.66	0.00	
12900.00	90.51	359.80	10910.57	2510.52	-34.00	2510.66	0.00	
13000.00	90.51	359.80	10909.68	2610.51	-34.36	2610.65	0.00	
13100.00	90.51	359.80	10908.79	2710.51	-34.72	2710.65	0.00	
13200.00	90.51	359.80	10907.90	2810.50	-35.07	2810.65	0.00	
13300.00	90.51	359.80	10907.00	2910.50	-35.43	2910.64	0.00	
13400.00	90.51	359.80	10906.11	3010.49	-35.79	3010.64	0.00	
13500.00	90.51	359.80	10905.22	3110.49	-36.14	3110.63	0.00	
13600.00				3210.48				
	90.51	359.80 359.80	10904.33	3310.48	-36.50	3210.63 3310.63	0.00	
13700.00	90.51		10903.44		-36.86		0.00	
13800.00	90.51	359.80	10902.54	3410.48	-37.22	3410.62	0.00	
13900.00	90.51	359.80	10901.65	3510.47	-37.57	3510.62	0.00	
14000.00	90.51	359.80	10900.76	3610.47	-37.93	3610.61	0.00	
14100.00	90.51	359.80	10899.87	3710.46	-38.29	3710.61	0.00	
14200.00	90.51	359.80	10898.98	3810.46	-38.65	3810.61	0.00	
14300.00	90.51	359.80	10898.08	3910.45	-39.00	3910.60	0.00	
14400.00	90.51	359.80	10897.19	4010.45	-39.36	4010.60	0.00	
14500.00	90.51	359.80	10896.30	4110.44	-39.72	4110.59	0.00	
14600.00	90.51	359.80	10895.41	4210.44	-40.08	4210.59	0.00	
14700.00	90.51	359.80	10894.52	4310.43	-40.43	4310.58	0.00	
14800.00	90.51	359.80	10893.62	4410.43	-40.79	4410.58	0.00	
14900.00	90.51	359.80	10892.73	4510.42	-41.15	4510.58	0.00	
15000.00	90.51	359.80	10891.84	4610.42	-41.51	4610.57	0.00	
15100.00	90.51	359.80	10890.95	4710.42	-41.86	4710.57	0.00	
15200.00	90.51	359.80	10890.06	4810.41	-42.22	4810.56	0.00	
15300.00	90.51	359.80	10889.17	4910.41	-42.58	4910.56	0.00	
15400.00	90.51	359.80	10888.27	5010.40	-42.93	5010.56	0.00	
15500.00	90.51	359.80	10887.38	5110.40	-43.29	5110.55	0.00	
15600.00	90.51	359.80	10886.49	5210.39	-43.65	5210.55	0.00	
15700.00	90.51	359.80	10885.60	5310.39	-44.01	5310.54	0.00	
15800.00	90.51	359.80	10884.71	5410.38	-44.36	5410.54	0.00	
15900.00	90.51	359.80	10883.81	5510.38	-44.72	5510.54	0.00	
16000.00	90.51		10882.92		-45.08	5610.53	0.00	
		359.80		5610.37				
16100.00	90.51	359.80	10882.03	5710.37	-45.44	5710.53	0.00	
16200.00	90.51	359.80	10881.14	5810.36	-45.79	5810.52	0.00	
16300.00	90.51	359.80	10880.25	5910.36	-46.15	5910.52	0.00	
16400.00	90.51	359.80	10879.35	6010.36	-46.51	6010.52	0.00	
16500.00	90.51	359.80	10878.46	6110.35	-46.87	6110.51	0.00	
16600.00	90.51	359.80	10877.57	6210.35	-47.22	6210.51	0.00	
16700.00	90.51	359.80	10876.68	6310.34	-47.58	6310.50	0.00	
16800.00	90.51	359.80	10875.79	6410.34	-47.94	6410.50	0.00	
16900.00	90.51	359.80	10874.89	6510.33	-48.29	6510.49	0.00	
17000.00	90.51	359.80	10874.00	6610.33	-48.65	6610.49	0.00	
17100.00	90.51	359.80	10873.11	6710.32	-49.01	6710.49	0.00	
17200.00	90.51	359.80	10872.22	6810.32	-49.37	6810.48	0.00	
17300.00	90.51	359.80	10871.33	6910.31	-49.72	6910.48	0.00	
17400.00	90.51	359.80	10870.44	7010.31	-50.08	7010.47	0.00	
17500.00	90.51	359.80	10869.54	7110.30	-50.44	7110.47	0.00	
17600.00	90.51	359.80	10868.65	7210.30	-50.80	7210.47	0.00	
17700.00	90.51	359.80	10867.76	7310.30	-51.15	7310.46	0.00	
17700.00	90.51	359.80	10866.87	7410.29	-51.51	7410.46	0.00	
17900.00	90.51	359.80	10865.98	7510.29	-51.87	7510.45	0.00	
18000.00	90.51	359.80	10865.98	7610.29	-51.67	7610.45	0.00	
18100.00	90.51	359.80	10864.19	7710.28	-52.23 -52.58	7610.45	0.00	
18200.00								
	90.51	359.80	10863.30	7810.27	-52.94	7810.44	0.00	
18300.00	90.51	359.80	10862.41	7910.27	-53.30	7910.44	0.00	
18400.00	90.51	359.80	10861.52	8010.26	-53.65	8010.43	0.00	
18500.00	90.51	359.80	10860.62	8110.26	-54.01	8110.43	0.00	
18600.00	90.51	359.80	10859.73	8210.25	-54.37	8210.42	0.00	
18700.00	90.51	359.80	10858.84	8310.25	-54.73	8310.42	0.00	
18800.00	90.51	359.80	10857.95	8410.24	-55.08	8410.42	0.00	
18900.00	90.51	359.80	10857.06	8510.24	-55.44	8510.41	0.00	
19000.00	90.51	359.80	10856.16	8610.24	-55.80	8610.41	0.00	
19100.00	90.51	359.80	10855.27	8710.23	-56.16	8710.40	0.00	
19200.00	90.51	359.80	10854.38	8810.23	-56.51	8810.40	0.00	
19300.00	90.51	359.80	10853.49	8910.22	-56.87	8910.40	0.00	
19400.00	90.51	359.80	10852.60	9010.22	-57.23	9010.39	0.00	
19500.00	90.51	359.80	10851.71	9110.21	-57.59	9110.39	0.00	
19600.00	90.51	359.80	10850.81	9210.21	-57.94	9210.38	0.00	
	20.21	555.00		J J . L 1	35-	32.0.50	0.00	



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
19700.00	90.51	359.80	10849.92	9310.20	-58.30	9310.38	0.00	
19800.00	90.51	359.80	10849.03	9410.20	-58.66	9410.38	0.00	
19900.00	90.51	359.80	10848.14	9510.19	-59.02	9510.37	0.00	
20000.00	90.51	359.80	10847.25	9610.19	-59.37	9610.37	0.00	
20100.00	90.51	359.80	10846.35	9710.18	-59.73	9710.36	0.00	
20200.00	90.51	359.80	10845.46	9810.18	-60.09	9810.36	0.00	
20300.00	90.51	359.80	10844.57	9910.18	-60.44	9910.36	0.00	
20400.00	90.51	359.80	10843.68	10010.17	-60.80	10010.35	0.00	
20500.00	90.51	359.80	10842.79	10110.17	-61.16	10110.35	0.00	
20600.00	90.51	359.80	10841.89	10210.16	-61.52	10210.34	0.00	
20700.00	90.51	359.80	10841.00	10310.16	-61.87	10310.34	0.00	
20800.00	90.51	359.80	10840.11	10410.15	-62.23	10410.33	0.00	
20900.00	90.51	359.80	10839.22	10510.15	-62.59	10510.33	0.00	
21000.00	90.51	359.80	10838.33	10610.14	-62.95	10610.33	0.00	
21100.00	90.51	359.80	10837.43	10710.14	-63.30	10710.32	0.00	
21200.00	90.51	359.80	10836.54	10810.13	-63.66	10810.32	0.00	
21300.00	90.51	359.80	10835.65	10910.13	-64.02	10910.31	0.00	
21400.00	90.51	359.80		11010.12	-64.38	11010.31	0.00	
21500.00	90.51	359.80		11110.12	-64.73	11110.31	0.00	
21600.00	90.51	359.80		11210.12	-65.09	11210.30	0.00	
21700.00	90.51	359.80		11310.11	-65.45	11310.30	0.00	
21800.00	90.51	359.80	10831.19 10830.30		-65.80 66.16	11410.29	0.00	
21900.00 22000.00	90.51 90.51	359.80 359.80	10830.30		-66.16 -66.52	11510.29 11610.29	0.00	
22100.00	90.51	359.80	10829.41			11710.29	0.00	
22200.00	90.51	359.80	10828.32		-66.88 -67.23	11710.28	0.00	
22300.00	90.51	359.80	10826.73	11910.08	-67.59	11910.27	0.00	
22400.00	90.51	359.80		12010.08	-67.95	12010.27	0.00	
22500.00	90.51	359.80		12110.07	-68.31	12110.26	0.00	
22600.00	90.51	359.80	10824.06		-68.66	12210.26	0.00	
22700.00	90.51	359.80	10823.16		-69.02	12310.26	0.00	
22800.00	90.51	359.80	10822.27	12410.06	-69.38	12410.25	0.00	
22900.00	90.51	359.80	10821.38	12510.06	-69.74	12510.25	0.00	
23000.00	90.51	359.80	10820.49	12610.05	-70.09	12610.24	0.00	
23100.00	90.51	359.80	10819.60	12710.05	-70.45	12710.24	0.00	
23200.00	90.51	359.80	10818.70	12810.04	-70.81	12810.24	0.00	
23300.00	90.51	359.80	10817.81	12910.04	-71.17	12910.23	0.00	
23400.00	90.51	359.80		13010.03	-71.52	13010.23	0.00	
23500.00	90.51	359.80	10816.03		-71.88	13110.22	0.00	
23600.00	90.51	359.80	10815.14		-72.24	13210.22	0.00	
23700.00	90.51	359.80		13310.02	-72.59	13310.22	0.00	
23800.00	90.51	359.80		13410.01	-72.95	13410.21	0.00	
23900.00	90.51	359.80	10812.46		-73.31	13510.21	0.00	
24000.00	90.51	359.80	10811.57 10810.68	13610.00	-73.67 -74.02	13610.20 13710.20	0.00	
24100.00 24200.00	90.51 90.51	359.80 359.80	10810.08	13810.00	-74.02	13810.20	0.00	
24300.00	90.51	359.80	10803.73	13909.99	-74.74	13910.20	0.00	
24400.00	90.51	359.80	10808.00		-75.10	14010.19	0.00	
24500.00	90.51	359.80		14109.98	-75.45	14110.18	0.00	
24600.00	90.51	359.80		14209.98	-75.81	14210.18	0.00	
24700.00	90.51	359.80	10805.33		-76.17	14310.17	0.00	
24800.00	90.51	359.80	10804.43		-76.53	14410.17	0.00	
24900.00	90.51	359.80		14509.96	-76.88	14510.17	0.00	
25000.00	90.51	359.80		14609.96	-77.24	14610.16	0.00	
25100.00	90.51	359.80	10801.76	14709.95	-77.60	14710.16	0.00	
25200.00	90.51	359.80	10800.87		-77.95	14810.15	0.00	
25300.00	90.51	359.80		14909.94	-78.31	14910.15	0.00	
25400.00	90.51	359.80		15009.94	-78.67	15010.15	0.00	
25500.00	90.51	359.80		15109.94	-79.03	15110.14	0.00	
25600.00	90.51	359.80	10797.30		-79.38	15210.14	0.00	
25700.00	90.51	359.80	10796.41		-79.74	15310.13	0.00	
25800.00	90.51	359.80		15409.92	-80.10	15410.13	0.00	
25900.00	90.51	359.80		15509.92	-80.46	15510.13	0.00	
26000.00	90.51	359.80	10793.73		-80.81	15610.12	0.00	
26100.00	90.51	359.80	10792.84		-81.17	15710.12	0.00	
26200.00	90.51	359.80		15809.90	-81.53	15810.11	0.00	
26300.00	90.51	359.80	10791.06		-81.89 82.01	15910.11	0.00	ovit ovit
26336.06 26400.00	90.51 90.51	359.80 359.80	10790.73 10790.16		-82.01 -82.24	15946.16 16010.11	0.00	exit exit
26416.06	90.51	359.80		16009.89	-82.22	16026.16	0.00	BHL BHL
25-10.00	50.51	555.00		. 5525.55	JL.LL	.5525.10	5.50	VIIE

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1. Geologic Formations

TVD of target	10791	Pilot hole depth	N/A
MD at TD:	26416	Deepest expected fresh water	

Basin

Formation	Depth (TVD)	Water/Mineral Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	855		
Salt	1125		
Base of Salt	4340		
Cherry Canyon	5300		
Brushy Canyon	6580		
1st Bone Spring Lime	8220		
Leonard	8350		
Bone Spring Lime 2nd	9675		
3rd Bone Spring Lime	10415		

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

2. Casing Program (Primary Design)

	Wt				Casing Interval		Casing Interval	
Hole Size	Csg. Size	(PPF)	Grade	Conn	From (MD)	To (MD)	From (TVD)	To (TVD)
14 3/4	10 3/4	45 1/2	J-55	ВТС	0	955	0	955
9 7/8	8 5/8	32	P110HSCY	MOFXL	0	10277	0	10277
7 7/8	5 1/2	20	P110EC	DWC/IS-C+	0	26416	0	10791

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

3. Cementing Program (Primary Design)

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	# Sks	TOC	Wt.	Yld (ft3/sack)	Slurry Description
Surface	578	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	337	Surf	13.0	2.3	2nd State: Bradenhead Squeeze - Lead: Class C Cement + additives
III I	428	6605	13.2	1.44	Tail: Class H / C + additives
Production	132	8377	9	3.27	Lead: Class H /C + additives
Froduction	2412	10377	13.2	1.44	Tail: Class H / C + additives

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.

Casing String	% Excess
Surface	50%
Intermediate 1	30%
Prod	25%

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		✓	Tested to:
			Anı	Annular		50% of rated working pressure
Int 1	13-5/8"	5M	Blind	d Ram	X	
IIIL I	13-3/8	JIVI	Pipe	Ram		5M
			Doub	le Ram	X	3101
			Other*]
	13-5/8"	5M	Annular (5M)		X	50% of rated working pressure
Don't sellen			Blind Ram		X	5M
Production			Pipe Ram			
			Double Ram		X	
			Other*			
			Annular (5M)			
			Bline	d Ram		
			Pipe Ram			1
			Double Ram			1
			Other*			
N A variance is requested for	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
Y A variance is requested to 1	un a 5 M a	nnular on a	10M system			

5. Mud Program (Three String Design)

Section	Туре	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Production	OBM	10-10.5

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

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

6. Logging and Testing Procedures

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

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

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	5892
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.

ineasured values and formations will be provided to the BEW.						
N	H2S is present					
Y	H2S plan attached.					

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8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
 - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (43 CFR 3172, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachment	ts
X	Directional Plan
	Other, describe

C-10	02				ls & Na	tura	New Mexico 1 Resources Depa			Rev	ised July, 2024
Submit Electronically OIL CONSERVAT					/AT	ION DIVISI	ON				
Via OCD Permitting									Submittal	I Initial Submittal	
									Type:	☐ Amended Repor	t
									☐ As Drilled		
				W	ELL LO	CATI	ON INFORMATIO	N			
API Number Pool Code 96641						I	Pool Name PADU(CA; BON	E SPRIN	NG	
Property Code Property Name				T373.6	000	40 04 PPD COM		Well Number 305H			
OGRID No. Operator Name					EXM	OOK	10-34 FED COM	Ground Level Elevation			
	6137		operator		NENERG	Y PI	RODUCTION COMPA	NY, L.P.		3385.5'	
Surfac	e Owner:	□State □	Fee □Trib	al Ž Feo	deral		Mineral Owner:	Tribal X Federal			
						Surf	ace Location				
UL	Section	Township	Range	Lot	Ft. from			Latitude		Longitude	County
A	15	25-S	31-E		265	•	494' E	32.136	963	103.758806	EDDY
			91 2				n Hole Location	0.001		1001.0000	
UL	Section	Township	Range	Lot	Ft. from			Latitude		Longitude	County
A	34	24-S	31-E	200	20'	•	520' E	32.181	016	103.758795	EDDY
		~. ~					0.00 E	02.101		1001100100	
Dedicat	ed Acres	Infill or Def	ining Well	Defining	Well API	0ver	lapping Spacing Uni	t (Y/N)	Consoli	lation Code	
477	.3	INFILI	_	30-015	5-49341		N			C	
Order 1	Numbers	N/A				Well	setbacks are under	Common	Ownersl		
		1071								<u> </u>	
				ı			f Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from	m N/	'S Ft. from E/W	Latitude		Longitude	County
P	10	25-S	31-E		50'	S	520' E	32.137	7	-103.7590	EDDY
	•				Fir	st Ta	ke Point (FTP)				,
UL	Section	Township	Range	Lot	Ft. from	•	S Ft. from E/W	Latitude		Longitude	County
P	10	25-S	31-E		100'	\mathbf{S}	520' E	32.137966		103.758884	EDDY
					La	st Ta	ke Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from	m N/	S Ft. from E/W	Latitude		Longitude	County
A	34	24-S	31-E		100'	N	520' E	32.180	796	103.758796	EDDY
Unitized Area or Area of Uniform Interest Spacing					ing	Unit Type Horizontal Vertical Ground Floor Elevat				vation:	
			N							N/A	
OPERAT	OR CERTI	FICATIONS					SURVEYOR CERTIFIC	ATIONS			
I hereby	certify that the	information cor					I hereby certify that the we		own on this	nlat was plotted from fiel	d notes
of my knowledge and belief, and, if the well is a vertical or directional well, that to organization either owns a working interest or unleased mineral interest in the lan-						of actual surveys made by	me or under s		and that the same is true:	and	
including	the proposed	bottom hole loca	ation or has a r	ight to drill t	this well at th		correct to the best of my be	elief.		RT R. L	DEHO
		ontract with an o voluntary pooli				order				MEX MEX	DEHOLOS
heretofor	e entered by t	he division.								E SEN WEY	(c) v \
		tal well, I further								23261	1 1
		lessee or owner on the target pool								10/10/) / C
complete		be located or ob								1 Political	1 / C
division.	u A	Brown	n 04/04	1/2025						155	<u>/\&\</u>
Signa			Date	0_0			Signature and Seal	of Profe	ssional	Surveyor ONAL	57/
Am	y A. Brov	vn									-
	d Name						Certificate Number	Date of	Survey		
	.brown@	dvn.com							•		
Email Address							23261	03/20	∠ 5		

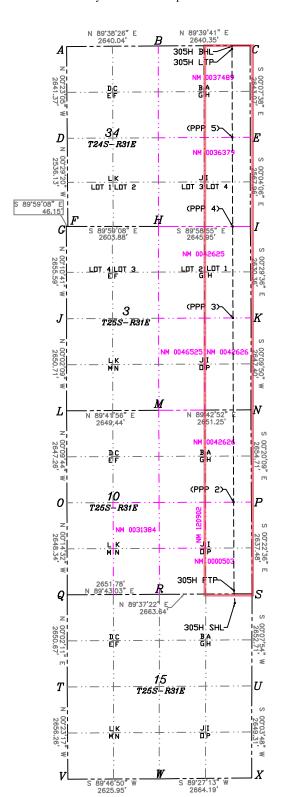
ACREAGE DEDICATION PLATS

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.

EXMUDR 10-34 FED COM 305H GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 265' FNL 494' FEL SECTION 15 EL: 3385.5' N:414037.01/E:719170.14 LAT:32.136963/LON:103.758806 KICK DFF PDINT CALLS: 50' FSL, 520' FEL N:414352 /E: 10377.15 LAT: 32.1377 /LON: -103.7590 FIRST TAKE POINT FSL 520' FEL SECTION 10 N:414401.85/E:719144.11 1004 LAT:32.137966/LDN:103.758884 LAST TAKE POINT 100' FNL 520' FEL SECTION 34 N:429982.96/E:719088.09 LAT:32.180796/DN:103.758796 BOTTOM HOLE LOCATION FNL 520' FEL SECTION 34 N:430062.96/E:719087.92 LAT:32.181016/LDN:103.758795 PPP 2 2639' FSL 512' FEL SECTION 10 N:416940.80/E:719134.98 LAT:32.144945/LDN:103.758870 PPP 3 2648' FSL 523' FEL SECTION 3 N:422242.41/E:719115.92 LAT:32.159518/LON:103.758840 PPP 4 0' FNL 510' FEL SECTION 3 N:424875.18/E:719106.46 LAT:32.166756/LON:103.758825 PPP 5 2565' FSL 516' FEL SECTION 34 N:427439.99/E:719097.24 LAT:32.173806/LUN:103.758811

A=N-430053.86 E:714327.58 M=N-419584.16 E:716980.14 B=N-430070.42 E:716967.57 N=N-419597.37 E:719631.86 C=N-430086.03 E:719607.87 D=N-42742.55 E:714343.29 P=N-416942.79 E:719647.42 E=N-427442.97 E:719613.73 Q=N-41427.44 E:714349.43 F=N-42487.63 E:714320.81 B=N-42487.53 E:714320.81 B=N-42487.53 E:714320.81 B=N-42487.58 E:716970.84 T=N-41624.00 E:714347.74 I=N-42487.50 E:719616.79 U=N-41652.57 E:719658.66 U=N-419570.24 E:714330.73 V=N-40997.85 E:716991.66 L=N-419570.24 E:714330.73 V=N-409903.26 E:719655.72



Exmoor 10-34 Fed Com 305H

"B" Comparison of P	#/ft 45.50	ce csg in a	14 3/4 i	nch hole.		Design I				Surface		
"B" Comparison of P Hole	4E EO	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
Comparison of P	45.50		j 55	btc	17.87	5.08	0.64	880	9	1.07	9.59	40,04
Hole A				btc				0				0
Hole A	w/8.4#/g ı	nud, 30min Sfc Csg Test	psig: 1,500	Tail Cmt	does not	circ to sfc.	Totals:	880				40,04
	Proposed to Mini	mum Required Cem	nent Volumes									
	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd				Min D
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-C
14 3/4	0.5563	578	832	490	70	9.00	3345	5M				1.50
urst Frac Gradien	nt(s) for Segment	(s) A, B = , b All > 0	1.70, OK.									
8 5/8	casing	inside the	10 3/4			Design I	Factore			Int 1		
Segment	#/ft	Grade	10 3/4	Coupling	Joint	Collapse	Burst	Longth	D@a	a-B	a-C	Weigl
	32.00	Graue	n 110	mo-fxl	2.40	0.77	1.06	Length	B@s		1.29	328,86
"B"	32.00		p 110	IIIO-IXI	2.40	0.77	1.00	10,277 0	1	1.78	1.29	0
	w/8.4#/g ı	nud, 30min Sfc Csg Test	psig: -110				Totals:	10,277				328,86
		The cement v	olume(s) are intende	ed to achieve a top of	0	ft from su	rface or a	880				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd				Min D
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-C
9 7/8	0.1261	428	616	1303	-53	10.50	3512	5M				0.63
O V Tool(s):			6580				sum of sx	Σ CuFt				Σ%exc
oy stage % :		32	10				828	1536				18
Tail cmt												
5 1/2		inside the	8 5/8			Design Fa				Prod 1		
Segment	#/ft	Grade	440	Coupling	Joint	Collapse	Burst	Length	B@s	а-В	a-C	Weig
"A"	20.00		p 110	dwc/c is+	3.38	2.05	2.44	26,416	2	4.09	3.44	=
"B"								0				528,3 0
"C"								0				0
_								0				0 0 0
"C"	w/8.4#/g ı	nud, 30min Sfc Csg Test					Totals:	0 0 26,416				0 0 0 528,3
"C" "D"		The cement v	olume(s) are intende	ed to achieve a top of	10077	ft from su	rface or a	0 0 26,416 200				0 0 0 528,3 overlap
"C" "D"	Annular	The cement v 1 Stage	olume(s) are intende 1 Stage	Min	1 Stage	Drilling	rface or a Calc	0 0 26,416 200 Req'd				0 0 0 528,3 overlap.
"C" "D" Hole Size	Annular Volume	The cement v 1 Stage Cmt Sx	olume(s) are intende 1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	rface or a	0 0 26,416 200				0 0 528,3 overlap Min Di
"C" "D" Hole A Size 7 7/8	Annular Volume 0.1733	The cement v 1 Stage	olume(s) are intende 1 Stage	Min	1 Stage	Drilling	rface or a Calc	0 0 26,416 200 Req'd				0
"C" "D" Hole Size	Annular Volume 0.1733	The cement v 1 Stage Cmt Sx	olume(s) are intende 1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	rface or a Calc	0 0 26,416 200 Req'd				0 0 528,3 overlap. Min Di Hole-C
"C" "D" Hole // Size // 77/8 (Class 'C' tail cmt yl	Annular Volume 0.1733	The cement v 1 Stage Cmt Sx	olume(s) are intende 1 Stage CuFt Cmt 3905	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt 10.50	rface or a Calc MASP	0 0 26,416 200 Req'd				0 0 528,3 overlap Min Di
"C" "D" Hole A Size 7 7/8 (lass 'C' tail cmt yl	Annular Volume 0.1733 dd > 1.35	The cement v 1 Stage Cmt Sx 2544	olume(s) are intende 1 Stage CuFt Cmt	Min Cu Ft 2832	1 Stage % Excess 38	Drilling Mud Wt 10.50	rface or a Calc MASP	0 0 26,416 200 Req'd BOPE		hoose Cas	sing>	0 0 528,3 overlap. Min Di Hole-C
Hole // Size // 7 7/8 (alass 'C' tail cmt yl 4 N/A 0 Segment	Annular Volume 0.1733	The cement v 1 Stage Cmt Sx	olume(s) are intende 1 Stage CuFt Cmt 3905	Min Cu Ft 2832	1 Stage % Excess	Drilling Mud Wt 10.50	rface or a Calc MASP	0 0 26,416 200 Req'd BOPE	<cli>B@s</cli>	hoose Cas a-B		0 0 528,3 overlap Min D Hole-C 0.79
Hole A Size 7 7/8 (alass 'C' tail cmt yl 4 N/A 0 Segment "A"	Annular Volume 0.1733 dd > 1.35	The cement v 1 Stage Cmt Sx 2544	olume(s) are intende 1 Stage CuFt Cmt 3905	Min Cu Ft 2832 Coupling 0.00	1 Stage % Excess 38	Drilling Mud Wt 10.50	rface or a Calc MASP	0 0 26,416 200 Req'd BOPE			sing>	0 0 528,3 overlap Min D Hole-C 0.79
Hole Size 7 7/8 (alass 'C' tail cmt yl	Annular Volume 0.1733 vld > 1.35	The cement v 1 Stage Cmt Sx 2544 Grade	olume(s) are intended 1 Stage CuFt Cmt 3905	Min Cu Ft 2832	1 Stage % Excess 38	Drilling Mud Wt 10.50	rface or a Calc MASP Factors Burst	0 0 26,416 200 Req'd BOPE			sing>	0 0 528,3 overlap Min D Hole-C 0.79
Hole A Size Y 7 7/8 (lass 'C' tail cmt yl #N/A 0 Segment "A"	Annular Volume 0.1733 vld > 1.35	The cement v 1 Stage Cmt Sx 2544 Grade	olume(s) are intended 1 Stage Cuft Cmt 3905	Min Cu Ft 2832 Coupling 0.00 0.00	1 Stage % Excess 38 #N/A	Drilling Mud Wt 10.50 Design I Collapse	rface or a Calc MASP Factors Burst Totals:	0 0 26,416 200 Req'd BOPE Length 0 0			sing> a-C	0 0 528,3 overlap Min D Hole-C 0.79 Weig 0 0
Hole A Size Y 7 7/8 (lass 'C' tail cmt yl #N/A 0 Segment "A" "B"	Annular Volume 0.1733 rld > 1.35 #/ft	The cement v 1 Stage Cmt Sx 2544 Grade mud, 30min Sfc Csg Test Cmt vol ca	olume(s) are intended 1 Stage Cuft Cmt 3905	Min Cu Ft 2832 Coupling 0.00 0.00 is csg, TOC intended	1 Stage % Excess 38 #N/A	Drilling Mud Wt 10.50 Design I Collapse	rface or a Calc MASP Factors Burst Totals: rface or a	0 0 26,416 200 Req'd BOPE Length 0 0 0 #N/A			sing> a-C	0 0 528,3 overlap Min D Hole-C 0.79 Weig 0 0 overlap
Hole Size 7 7/8 (Size 1) 4N/A 0 Segment "A" "B"	Annular Volume 0.1733 vld > 1.35 #/ft w/8.4#/g	The cement v 1 Stage Cmt Sx 2544 Grade mud, 30min Sfc Csg Test Cmt vol ca 1 Stage	olume(s) are intended 1 Stage Cuft Cmt 3905	Min Cu Ft 2832 Coupling 0.00 0.00 is csg, TOC intended Min	1 Stage % Excess 38 #N/A #N/A 1 Stage	Drilling Mud Wt 10.50 Design I Collapse ft from su Drilling	rface or a Calc MASP Factors Burst Totals: rface or a Calc	0 0 26,416 200 Req'd BOPE Length 0 0 0 #N/A Req'd			sing> a-C	0 0 528,3 overlap Min D Hole-C 0.79 Weig 0 0 overlap Min D
Hole Size 7 7/8 (Size 1) 4N/A 0 Segment "A" "B"	Annular Volume 0.1733 rld > 1.35 #/ft	The cement v 1 Stage Cmt Sx 2544 Grade mud, 30min Sfc Csg Test Cmt vol ca	olume(s) are intended 1 Stage Cuft Cmt 3905	Min Cu Ft 2832 Coupling 0.00 0.00 is csg, TOC intended	1 Stage % Excess 38 #N/A	Drilling Mud Wt 10.50 Design I Collapse	rface or a Calc MASP Factors Burst Totals: rface or a	0 0 26,416 200 Req'd BOPE Length 0 0 0 #N/A			sing> a-C	0 0 528,3 overlap Min D Hole-C 0.79

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 465986

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	465986
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

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