

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sundry Print Reports
06/12/2023

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

FED COM LOT L3 / 32.00107 / -103.88719

Well Number: 423H Type of Well: OTHER Allottee or Tribe Name:

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

US Well Number: 300154984300X1 Well Status: Drilling Well Operator: WPX ENERGY

PERMIAN LLC

Notice of Intent

Sundry ID: 2734163

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 06/05/2023 Time Sundry Submitted: 07:23

Date proposed operation will begin: 06/05/2023

Procedure Description: ENGINEERING ONLY - Devon Energy Production Co., L.P. (Devon) respectfully requests to change the intermediate set depth from 10173' to 10800'. An additional connection has also been added. Please see the attached documentation.

NOI Attachments

Procedure Description

CDS_FXL_7_625_29_7_BMP_P110HC_Mar10_2021_20230605072312.pdf

Clawhammer_33_28_21_Fed_Com_413H_423H_Slim_Hole_rev1_20230605072312.pdf

Page 1 of 2

vived by OCD: 6/12/2023 10:52:06 AM Well Name: CLAWHAMMER 33-28-21

FED COM

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Well Status: Drilling Well

Operator: WPX ENERGY

PERMIAN LLC

Conditions of Approval

Specialist Review

Clawhammer 33 28 21 Fed Com 423H Sundry ID 2734163 20230607081114.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: CHELSEY GREEN Signed on: JUN 05, 2023 07:23 AM

Name: WPX ENERGY PERMIAN LLC

Title: Regulatory Compliance Professional

Street Address: 333 West Sheridan Avenue

City: Oklahoma City State: OK

Phone: (405) 228-8595

Email address: Chelsey.Green@dvn.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Phone: 5752345972

Disposition: Approved

Signature: Long Vo

BLM POC Title: Petroleum Engineer

BLM POC Email Address: LVO@BLM.GOV

Disposition Date: 06/07/2023

Page 2 of 2

1. Geologic Formations

TVD of target	10839	Pilot hole depth	N/A
MD at TD:	20715	Deepest expected fresh water	

Basin

D (1	XX7 4 /N/I* 1	
(TVD)	Bearing/Target	Hazards*
from KB	Zone?	
1148		
1148		
3388		
3481		
4621		
5611		
7345		
8301		
8929		
9423		
10173		
10563		
	_	
	1148 1148 3388 3481 4621 5611 7345 8301 8929 9423 10173	(TVD) Bearing/Target

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

2. Casing Program (Primary Design)

, , , , , , , , , , , , , , , , , , ,	- g	Wt				Casing Interval		Casing Interval		
Hole Size	Csg. Size	(PPF)	Grade	Conn	From (MD)	To (MD)	From (TVD)	To (TVD)		
17 1/2	13 3/8	54.5	J55	BTC	0	1173	0	1173		
8 3/4	7 5/8	29.7	P110	VAM SPRINT FJ	0	10173	0	10173		
8 3/4	7 5/8	29.7	P110	MO-FXL	10173	10800	10173	10670		
6 3/4	5 1/2	20	P110	DWC/C IS & VAM SPRINT SF	0	20715	0	10839		

• All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

Variance Approval -

- *5-1/2" Production Casing will include Vam Sprint Semi-Flush Joint connection (5.783") from base of curve and 500ft into 7-5/8" casing shoe
- *All other 5-1/2" Production Casing will run DWC/C IS (6.05")

3. Cementing Program (Primary Design)

Casing	# Sks	TOC	Wt.	Yld (ft3/sack)	Slurry Description
Surface	887	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1 (2 Stage Joh)	380	Surf	9	3.27	2nd Stage Lead: Class C Cement + additives
Int 1 (2 Stage Job)	490	5611	13.2	1.44	Tail: Class H / C + additives
Production	70	8351	9	3.27	Lead: Class H /C + additives
Production	662	10352	13.2	1.44	Tail: Class H / C + additives

^{*}Note*

Cementing Program (Primary Design) Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the 7-5/8' 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. If necessary, a top out consisting of 500 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld,12.91 ppg) will be executed as a contingency. 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.

2. Casing Program (Contingency Design)

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Top (MD)	Bottom (MD)	Top (TVD)	Bottom (TVD)
17 1/2	13 3/8	54.5	J55	BTC	0	1173	0	1173
12 1/4	9 5/8	40.0	J55	BTC	0	3481	0	3481
8 3/4	7 5/8	29.7	P110	VAM SPRINT FJ	0	10173	0	10173
8 3/4	7 5/8	29.7	P110	MO-FXL	10173	10800	10173	10670
6 3/4	5 1/2	20.0	P110	DWC/C IS & VAM SPRINT SF	0	20715	0	10839

• All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

Variance Approval -

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

*All other 5-1/2" Production Casing will run DWC/C IS (6.05")

3. Cementing Program (Contingency Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	887	Surf	13.2	1.4	Lead: Class C Cement + additives
Int	360	Surf	9.0	3.3	Lead: Class C Cement + additives
int	154	500' above	13.2	1.4	Tail: Class H / C + additives
Int 1 (2 stage)	184	Surf	9.0	3.3	2nd Stage Lead: Class C Cement + additives
int i (2 stage)	490	5611	13.2	1.4	Tail: Class H / C + additives
Production	70	8351	9.0	3.3	Lead: Class H /C + additives
FIOGUCTION	662	КОР	13.2	1.4	Tail: Class H / C + additives

^{*}Note*

Cementing Program (Contingency Design)Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the 7-5/8" 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. If necessary, a top out consisting of 500 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld,12.91 ppg) will be executed as a contingency. The final cement top will be verified by Echo-meter. Devon will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program. Devon will report to the BLM the volume of fluid (limited to 1 bbls) used to flush intermediate casing valves following backside cementing procedures.

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

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		✓	Tested to:																									
			Anı	nular	X	50% of rated working pressure																									
Int 1	13-5/8"	5M		d Ram	X																										
III. I	13 3/0	3111	_	Ram		5M																									
			Doub	le Ram	X	3141																									
			Other*																												
	13-5/8"	5M	Annular (5M) Blind Ram		X	50% of rated working pressure																									
Production					X																										
Troduction			J1 V1	3101	3101	J1 V1	J1V1	J1 V1	J1 V1	J1V1	J1 V1	J1 V1	3111	5111	3111	J1 V1	3111	5141	J1V1	5111	5111	J1V1	3111	3111	J1 V1	5111	J1 V1	5111	Pipe Ram		
			Double Ram		X	3171																									
			Other*																												
			Annul	ar (5M)																											
			Blind Ram Pipe Ram																												
			Doub	le Ram																											
			Other*																												
N A variance is requested for	the use of	a diverter or	n the surface	casing. See	attached for s	chematic.																									
Y A variance is requested to	run a 5 M a	nnular on a	10M system																												

4. Pressure Control Equipment (Four String Design)

4. Pressure Control Equipment (Four String Design)																				
BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		✓	Tested to:														
			Ann	ıular	X	50% of rated working pressure														
Int	13-5/8"	514	Blind	Ram	X															
	13-3/8	5M	Pipe	Ram		53.6														
			Doubl	e Ram	X	5M														
			Other*																	
	13-5/8"	5M	Ann	ıular	X	50% of rated working pressure														
Int 1			5M	' 5M	5M	5M	5M	5M	5M	5M	5M	5M	Blind	Ram	X					
IIIt I	13-3/6												3101	J1V1	3101	J1 V1	J1 V1	J1 V1	31 V1	31 V1
					Doubl	e Ram	X	JIVI												
			Other*																	
			Annula	ar (5M)	X	50% of rated working pressure														
Production	13-5/8"	5M	Blind	Ram	X															
	13-3/8	5M	Pipe	Ram		514														
			Doubl	e Ram	X	5M														
			Other*																	

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	8.5-9

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

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
What will be used to monitor the loss of gain of hald.	1 v 1/1 uson/ v isual iviolitioning

6. Logging and Testing Procedures

Logging, C	foring 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 shumitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

Additiona	l 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

The state of the s				
Condition	Specfiy what type and where?			
BH pressure at deepest TVD	5918			
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 Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N H2S is present

Y H2S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

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

casing, and install TA caps or tubing heads for completions.

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

Will be pre-setting casing? Potentially

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

Attachments	;
X	Directional Plan
	Other, describe

letal One Corp.	MO-FXL		CDC#	MO-FXL 7-5/8 29.7 P110HC			
Motal One	Dine Body PMD D440U	C MinVS440kai	CDS#				
Metal <mark>O</mark> ne	Pipe Body: BMP P110H		Data	MinYS110ksi 10-Mar-21			
	Connection Da	ita Sneet	Date	TU-IVI	ar-2 i		
	Geometry	<u>Imperia</u>	<u>Imperial</u>		<u>S.I.</u>		
		Pipe Body					
	Grade *	P110HC	-	P110HC			
	Pipe OD (D)	7 5/8	in	193.68	mm		
MO-FXL	Weight	29.70	lb/ft	44.25	kg/m		
	Actual weight	29.04		43.26	kg/m		
	Wall Thickness (t)	0.375	in	9.53	mm		
	Pipe ID (d)	6.875	in	174.63	mm		
	Pipe body cross section	8.537	in ²	5,508	mm ²		
	Drift Dia.	6.750	in	171.45	mm		
	Connection						
1	Box OD (W)	7.625	in	193.68	mm		
	PIN ID	6.875	in	174.63	mm		
Box	Make up Loss	4.219	in	107.16	mm		
critical	Box Critical Area	5.714	in ²	3686	mm ²		
area	Joint load efficiency	70	%	70	%		
		7.0			70		
5	Thread Taper	1	/ 10 (1	.2" per ft)			
up	Thread Taper Number of Threads Performance	1		2" per ft) TPI			
Make up	Number of Threads						
Make up	Performance Performance Propertie S.M.Y.S. *				kN		
Make up oss D	Number of Threads Performance Performance Propertie	s for Pipe Body 939 9,470	5	TPI	kN MPa		
Make up oss D	Performance Performance Propertie S.M.Y.S. * M.I.Y.P. * Collapse Strength *	s for Pipe Body 939 9,470 7,050	kips psi psi	4,177 65.31 48.62	MPa MPa		
Make up oss D	Performance Performance Properties S.M.Y.S. * M.I.Y.P. * Collapse Strength * Note S.M.Y.S. = Spe	s for Pipe Body 939 9,470 7,050 cified Minimum YIE	kips psi psi psi	4,177 65.31 48.62 ngth of Pipe bo	MPa MPa dy		
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The products described in this Connection Data Sheet are not recommended for use in deep water offshore applications. For more information, please refer to https://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.

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

CONDITIONS

Action 226316

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	226316
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	If a bradenhead squeeze is used, then a CBL is required to verify the integrity of the cement. All other COA's still apply.	10/20/2023