

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
RIGHT MEOW 30-	622H	3002548449	NMNM14157	NMNM14157	DEVON
RIGHT MEOW 30-	712H	3002548451	NMNM14157	NMNM14157	DEVON
RIGHT MEOW 30-	711H	3002548450		-	DEVON

Notice of Intent

Sundry ID: 2647974

Type of Submission: Notice of Intent

Date Sundry Submitted: 12/09/2021

Date proposed operation will begin: 12/09/2021

Type of Action: Other

Time Sundry Submitted: 06:36

Procedure Description: Devon Energy Production Company, L.P. respectfully requests approval for optional surface casing/drilling plan of 10-3/4" surface casing inside of 12-1/4" surface hole at previously permitted set depths. Devon Energy Production Company, L.P. will circulate class C cement to surface behind the 10-3/4" casing. Please see attachments.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Pipe_Body_and_API_Connections_Performance_Data_10.7500_40.5000_0.3500__H40_20211209063052.pdf
- Right_Meow_30_31_Fed_Com_711H_Permit_Plan_1_20211209063052.pdf

Conditions of Approval

Additional Reviews

30_23_32_C_ATS_20_2838_Right_Meow_30_31_Fed_Com_712H_Lea_NM014157_Devon_Energy_Production_Company_LP_13_22c_10_14_2020_LV_20211214071725.pdf

30_23_32_C_ATS_20_2836_Right_Meow_30_31_Fed_Com_622H_Lea_NM014157_Devon_Energy_Production_Company_LP_13_22c_10_14_2020_LV_20211214071725.pdf

30_23_32_1_ATS_20_2832_Right_Meow_30_31_Fed_Com_711H_Lea_NM14157_Devon_Energy_Production_Company_LP_13_22c_12_07_2020_LV_20211214071725.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: JENNY HARMS

Signed on: DEC 09, 2021 06:33 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Compliance Professional

Street Address: 333 West Sheridan Avenue

City: Oklahoma City **State:** OK

Phone: (405) 552-6560

Email address: jennifer.harms@dvn.com

Field Representative

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: Cody Layton

BLM POC Title: Assistant Field Manager Lands & Minerals

BLM POC Phone: 5752345959

BLM POC Email Address: clayton@blm.gov

Disposition: Approved

Disposition Date: 12/20/2021

Signature: Cody R. Layton

30-23-32-1 ATS-20-2832 Right Meow 30-31 Fed Com 711H Lea NM14157 Devon Energy Production Company LP 13-22c 12-07-2020
LV

Right Meow 30-31 Fed Com 711H

10 3/4	surface csg in a	12 1/4	inch hole.	Design Factors					Surface		
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.50	h 40	btc	10.50	2.77	0.36	1,075	5	0.61	5.22	43,538
"B"			btc				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,127					Tail Cmt	does not	circ to sfc.	Totals:	1,075		43,538
Comparison of Proposed to Minimum Required Cement Volumes											
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd			Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE			Hole-Cplg
12 1/4	0.1882	798	1149	202	468	9.00	3735	5M			0.75
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.											
Site plot (pipe racks 5 or 6) as per O.O 1-10 D.A. not found.											

8 5/8		casing inside the		10 3/4		Design Factors					Int 1		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	32.00		p 110	tlw	2.93	0.68	1.35	11,475	1	2.26	1.13	367,200	
"B"								0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig:								Totals:	11,475			367,200	
The cement volume(s) are intended to achieve a top of						0	ft from surface or a		1075			overlap.	
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg	
9 7/8	0.1261	940	2223	1468	51	10.50	3959	5M				0.44	
Class 'H' tail cmt yld > 1.20													

Tail cmt		5 1/2		casing inside the		8 5/8		Design Factors					Prod 1	
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight		
"A"	17.00		p 110	btc	2.64	1.13	1.6	22,140	2	2.69	1.89	376,380		
"B"								0				0		
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,676								Totals:	22,140			376,380		
The cement volume(s) are intended to achieve a top of								11275	ft from surface or a	200		overlap.		
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist		
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg		
7 7/8	0.1733	1510	2336	1883	24	10.50						0.91		
Class 'C' tail cmt yld > 1.35														

#N/A	0	5 1/2		Design Factors					<Choose Casing>		
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0				0
"B"			0.00				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 0											
Cmt vol calc below includes this csg, TOC intendec				#N/A	ft from surface or a	#N/A					overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd			Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE			Hole-Cplg
0		#N/A	#N/A	0	#N/A						
#N/A Capitan Reef est top XXXX.											

30-23-32-1 ATS-20-2832 Right Meow 30-31 Fed Com 711H Lea NM14157 Devon Energy Production Company LP 13-22c 12-07-2020
LV

Right Meow 30-31 Fed Com 711H

10 3/4		surface csg in a		12 1/4		inch hole.		Design Factors				Surface		
Segment	#/ft	Grade		Coupling		Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	40.50	h 40		btc		10.50	2.77	0.36	1,075	5	0.61	5.22	43,538	
"B"				btc					0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,127							Tail Cmt	does not	circ to sfc.	Totals:	1,075		43,538	
Comparison of Proposed to Minimum Required Cement Volumes														
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist					
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg					
12 1/4	0.1882	798	1149	202	468	9.00	3735	5M	0.75					
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.														
Site plot (page racks 5 or 6) as per O.O 1-10 D.A. not found														

8 5/8		casing inside the		10 3/4		Design Factors					Int 1	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	32.00		p 110	tlw	2.93	0.68	1.35	11,475	1	2.26	1.13	367,200
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:								Totals:	11,475			367,200
The cement volume(s) are intended to achieve a top of						0	ft from surface or a		1075			overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
9 7/8	0.1261	940	2223	1468	51	10.50	3959	5M				0.44
Class 'H' tail cmt yld > 1.20												

Tail cmt		casing inside the		8 5/8		Design Factors					Prod 1		
5 1/2	Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
	"A"	17.00		p 110	btc	2.64	1.13	1.6	22,140	2	2.69	1.89 376,380	
	"B"							0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,676								Totals:	22,140			376,380	
The cement volume(s) are intended to achieve a top of						11275	ft from surface or a	200				overlap.	
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg	
7 7/8	0.1733	1510	2336	1883	24	10.50						0.91	
Class 'C' tail cmt yld > 1.35													

#N/A		5 1/2		Design Factors					<Choose Casing>		
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0				0
"B"			0.00				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:											
Cmt vol calc below includes this csg, TOC intendec				#N/A	ft from surface or a	#N/A					0
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd			Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE			Hole-Cplg
0		#N/A	#N/A	0	#N/A						
#N/A Capitan Reef est top XXXX.											



U. S. Steel Tubular Products

10.750" 40.50lb/ft (0.350" Wall) H40

11/4/2021 10:14:32 AM

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC		--
Minimum Yield Strength	40,000	--	--	--	psi	--
Maximum Yield Strength	80,000	--	--	--	psi	--
Minimum Tensile Strength	60,000	--	--	--	psi	--
DIMENSIONS	Pipe	BTC	LTC	STC		--
Outside Diameter	10.750	0.000	0.000	11.750	in.	--
Wall Thickness	0.350	--	--	--	in.	--
Inside Diameter	10.050	--	--	10.050	in.	--
Standard Drift	9.894	9.894	9.894	9.894	in.	--
Alternate Drift	--	--	--	--	in.	--
Nominal Linear Weight, T&C	40.50	--	--	--	lb/ft	--
Plain End Weight	38.91	--	--	--	lb/ft	--
PERFORMANCE	Pipe	BTC	LTC	STC		--
Minimum Collapse Pressure	1,390	1,390	1,390	1,390	psi	--
Minimum Internal Yield Pressure	2,280	2,280	2,280	2,280	psi	--
Minimum Pipe Body Yield Strength	457	--	--	--	1,000 lbs	--
Joint Strength	--	--	--	314	1,000 lbs	--
Reference Length	--	--	--	5,164	ft	--
MAKE-UP DATA	Pipe	BTC	LTC	STC		--
Make-Up Loss	--	--	--	3.50	in.	--
Minimum Make-Up Torque	--	--	--	2,360	ft-lb	--
Maximum Make-Up Torque	--	--	--	3,930	ft-lb	--

UNCONTROLLED

Notes

Legal Notice

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U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

Right Meow 30-31 Fed Com 711H

1. Geologic Formations

TVD of target	12165	Pilot hole depth	N/A
MD at TD:	22140	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	1025		
Salt	1355		
Base of Salt	4385		
Delaware	4625		
Bone Spring 1st	9585		
Bone Spring 2nd	10175		
Bone Spring 3rd	11475		
Wolfcamp	11890		

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

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2. Casing Program (Primary Design)

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
12 1/4	10 3/4	40.5	H40	BTC	0	1050	0	1050
9 7/8	8 5/8	32.0	P110	TLW	0	11475	0	11475
7 7/8	5 1/2	17.0	P110	BTC	0	22140	0	12165

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

3. Cementing Program (Primary Design)

Casing	# Skis	TOC	Wt. ppg	Yld (ft3/sack)	Slurry Description
Surface	230	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	369	Surf	9	3.27	Lead: Class C Cement + additives
	465	4000' above	13.2	1.44	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As Needed	Surf	13.2	1.44	Squeeze Lead: Class C Cement + additives
	369	Surf	9	3.27	Lead: Class C Cement + additives
	465	4000' above	13.2	1.44	Tail: Class H / C + additives
Production	117	9616	9.0	3.3	Lead: Class H / C + additives
	1393	11616	13.2	1.4	Tail: Class H / C + additives

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

Right Meow 30-31 Fed Com 711H

4. Pressure Control Equipment (Three String Design)

Well Pressure Control Equipment (Pilot Setting Design)						
BOP installed and tested before drilling which hole?		Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-5/8"	5M	Annular		X	50% of rated working pressure
			Blind Ram		X	5M
			Pipe Ram			
			Double Ram		X	
			Other*			
Production	13-5/8"	10M	Annular (5M)		X	100% of rated working pressure
			Blind Ram		X	10M
			Pipe Ram			
			Double Ram		X	
			Other*			
			Annular (5M)			
			Blind Ram			
			Pipe Ram			
			Double Ram			
			Other*			
N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
Y	A variance is requested to run a 5 M annular on a 10M system					

Right Meow 30-31 Fed Com 711H

5. Mud Program (Three String Design)

Section	Type	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, Coring and Testing**

X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and submitted 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	Specify what type and where?
BH pressure at deepest TVD	6642
Abnormal temperature	No

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

Hydrogen 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	H ₂ S is present
Y	H ₂ S 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

Right Meow 30-31 Fed Com 711H

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 nipped 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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 70312

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 70312
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/4/2022