R	eceived by UCD. 3/14/2022 6:31:33 AM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 06/14/2022
	Well Name: STRANGER 34 FED COM	Well Location: T25S / R34E / SEC 34 / SESE / 32.0802858 / -103.451043	County or Parish/State: LEA / NM
	Well Number: 8H	Type of Well: OIL WELL	Allottee or Tribe Name:
	Lease Number: NMNM113898	Unit or CA Name:	Unit or CA Number:
	US Well Number: 3002546008	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2670969

Type of Submission: Notice of Intent

Date Sundry Submitted: 05/10/2022

Date proposed operation will begin: 05/10/2022

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 13-1/2" 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 the attached plans. Devon is also requesting a break test variance. The variance request and chart is attached.

Type of Action: APD Change

Time Sundry Submitted: 09:52

NOI Attachments

Procedure Description

Stranger_34_Fed_Com_8H_Sundry_20220510095154.pdf 8.625_32lb_P110HSCY_TLW_20220510095135.PDF 5.5_17lb_P110_BTC_20220510095134.pdf 10.750_40.5lb_H40_20220510095134.pdf break_test_variance_BOP_20220510095041.pdf

R	eceived by OCD: 6/14/2022 6:31:33 AM Well Name: STRANGER 34 FED COM	Well Location: T25S / R34E / SEC 34 / SESE / 32.0802858 / -103.451043	County or Parish/State: LER 2 of 24 NM
	Well Number: 8H	Type of Well: OIL WELL	Allottee or Tribe Name:
	Lease Number: NMNM113898	Unit or CA Name:	Unit or CA Number:
	US Well Number: 3002546008	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional

34_25_34_M_Sundry_ID_2670969_Stranger_34_Fed_Com_8H_Lea_NM113898_DEVON_ENERGY_PRODUCTION_ COMPANY_LP_13_22d_5_27_2022_LV_20220531083106.pdf

Stranger_34_Fed_Com_8H_Dr_COA_Sundry_ID_2670969_20220531083106.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

Name: DEVON ENERGY PRODUCTION COMPANY LP

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:
Phone:
Email address:

State:

Zip:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS BLM POC Phone: 5752342234 Disposition: Approved Signature: Chris Walls BLM POC Title: Petroleum Engineer BLM POC Email Address: cwalls@blm.gov

Disposition Date: 06/10/2022

ELSEY GREEN Signed on: MAY 10, 2022 09:51 AM

UsS

UNCONTROLLED

U. S. Steel Tubular Products 10.750" 40.50lb/ft (0.350" Wall) H40

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	втс	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	втс	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	-

Notes

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U. S. Steel Tubular Products 5.500" 17.00lbs/ft (0.304" Wall) P110

2/21/2019 8:12:22 AM

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC	
Minimum Yield Strength	110,000				psi
Maximum Yield Strength	140,000				psi
Minimum Tensile Strength	125,000				psi
DIMENSIONS	Pipe	втс	LTC	STC	
Outside Diameter	5.500	6.050	6.050		in.
Wall Thickness	0.304				in.
Inside Diameter	4.892	4.892	4.892		in.
Standard Drift	4.767	4.767	4.767		in.
Alternate Drift					in.
Nominal Linear Weight, T&C	17.00				lbs/ft
Plain End Weight	16.89				lbs/ft
PERFORMANCE	Pipe	втс	LTC	STC	
Minimum Collapse Pressure	7,480	7,480	7,480		psi
Minimum Collapse Pressure Minimum Internal Yield Pressure	7,480 10,640	7,480 10,640	7,480 10,640		psi psi
1	,	*	,		1
Minimum Internal Yield Pressure	10,640	10,640	10,640		psi
Minimum Internal Yield Pressure Minimum Pipe Body Yield Strength	10,640 546	10,640	10,640		psi 1,000 lbs
Minimum Internal Yield Pressure Minimum Pipe Body Yield Strength Joint Strength	10,640 546 	10,640 568	10,640 445	 	psi 1,000 lbs 1,000 lbs
Minimum Internal Yield Pressure Minimum Pipe Body Yield Strength Joint Strength Reference Length	10,640 546 	10,640 568 22,271	10,640 445 17,449	 	psi 1,000 lbs 1,000 lbs
Minimum Internal Yield Pressure Minimum Pipe Body Yield Strength Joint Strength Reference Length MAKE-UP DATA	10,640 546 Pipe	10,640 568 22,271 BTC	10,640 445 17,449 LTC	 STC	psi 1,000 lbs 1,000 lbs ft

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1-877-893-9461 www.usstubular.com

TEC-LOCK WEDGE

8.625" 32.00 LB/FT (.352" Wall) BORUSAN MANNESMANNP110 HSCY

Pipe Body Data

Nominal OD:	8.625	in
Nominal Wall:	.352	in
Nominal Weight:	32.00	lb/ft
Plain End Weight:	31.13	lb/ft
Material Grade:	P110 HSCY	
Mill/Specification:	BORUSAN M	IANNESMANN
Yield Strength:	125,000	psi
Tensile Strength:	125,000	psi
Nominal ID:	7.921	in
API Drift Diameter:	7.796	in
Special Drift Diameter:	7.875	in
RBW:	87.5 %	
Body Yield:	1,144,000	lbf
Burst:	8,930	psi
Collapse:	4,230	psi

Connection Data

Standard OD:	9.000	in		
Pin Bored ID:	7.921	in		
Critical Section Area:	8.61433	in²		
Tensile Efficiency:	94.2 %			
Compressive Efficiency:	100.0 %			
Longitudinal Yield Strength:	1,077,000	lbf		
Compressive Limit:	1,144,000	lbf		
Internal Pressure Rating:	8,930	psi		
External Pressure Rating:	4,230	psi		
Maximum Bend:	62.6	°/100		

Operational Data

- 88			
	Minimum Makeup Torque:		ft*lbf
	Optimum Makeup Torque:	37,375	ft*lbf
	Maximum Makeup Torque:	80,900	ft*lbf
	Minimum Yield:	89,900	ft*lbf
	Makeup Loss:	5.97	in

Notes

Operational Torque is equivalent to the Maximum Make-Up Torque.



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Please visit http://www.huntingplc.com for the latest technical information.

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Section 2 - Blowout Preventer Testing Procedure

Variance Request

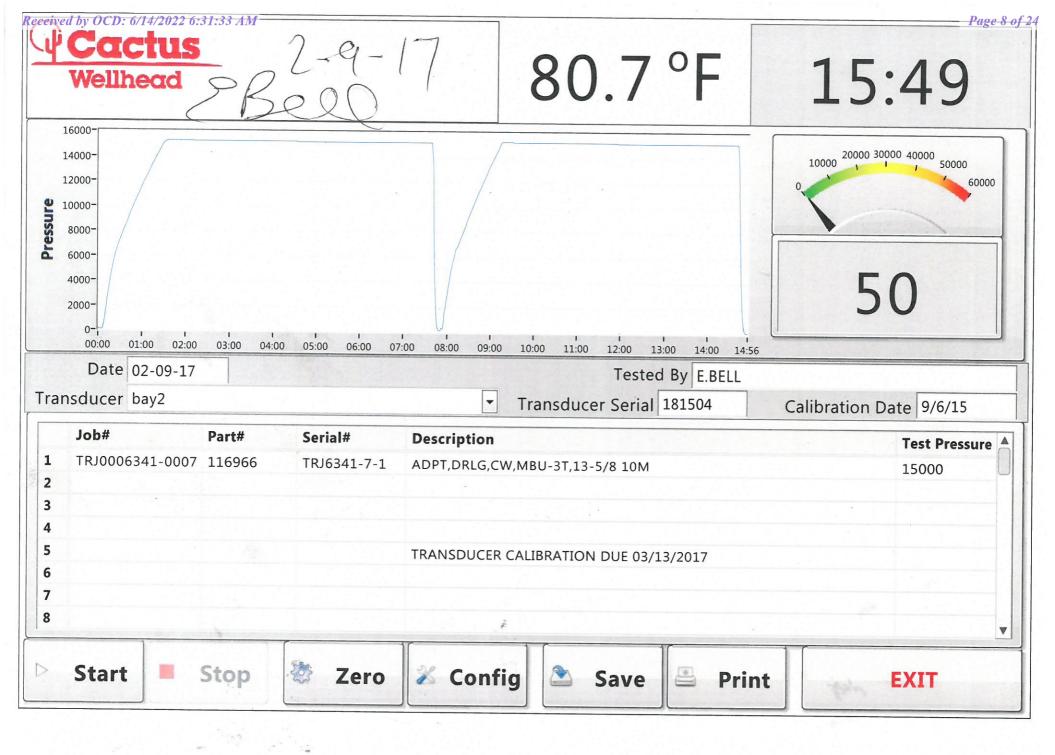
Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of the 10M BOPE to 5M for 10 minutes. 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 and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow OOGO2.III.A.2.i, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed OOGO2.III.A.2.i per the following: Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. 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. Break test will be a 14 day interval and not a 30 day full BOPE test interval. If in the event break testing is not utilized, then a full BOPE test would be conducted.

1. Well Control Response:

1. Primary barrier remains fluid

2. In the event of an influx due to being underbalanced and after a realized gain or flow, the order of closing BOPE is as follows:

- a) Annular first
- b) If annular were to not hold, Upper pipe rams second (which were tested on the skid BOP test)
- c) If the Upper Pipe Rams were to not hold, Lower Pipe Rams would be third



1. Geologic Formations

TVD of target	12780	Pilot hole depth	N/A
MD at TD:	17650	Deepest expected fresh water	

Basin

Dusin			
	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	810		
Salt	1200		
Base of Salt	5325		
Cherry Canyon	6325		
Brushy Canyon	8050		
1st Bone Spring Lime	9350		
Bone Spring 1st	10450		
Bone Spring 2nd	11025		
3rd Bone Spring Lime	11450		
Bone Spring 3rd	12020		
Wolfcamp	12480		

*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	Grade Conn	From (MD)	To (MD)	From (TVD)	To (TVD)
13 1/2	10 3/4	40 1/2	H40	BTC	0	835	0	835
9 7/8	8 5/8	32	P110	TLW	0	12016	0	12016
7 7/8	5 1/2	17	P110	BTC	0	17650	0	12780

• 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	# Sks	тос	Wt. ppg	Yld (ft3/sack)	Slurry Description
Surface	340	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	397	Surf	9	3.27	Lead: Class C Cement + additives
Int 1	465	4000' above	13.2	1.44	Tail: Class H / C + additives
Int 1	As Needed	Surf	13.2	1.44	Squeeze Lead: Class C Cement + additives
Intermediate	397	Surf	9	3.27	Lead: Class C Cement + additives
Squeeze	465	4000' above	13.2	1.44	Tail: Class H / C + additives
Production	117	10227	9	3.27	Lead: Class H /C + additives
roduction	733	12227	13.2	1.44	Tail: Class H / C + additives

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

4. Pressure Control Equipment (Thre	e Su ling D	- U /				
BOP installed and tested before drilling which hole?	Size?	Min. Required WP	T	уре	~	Tested to:
			Anı	nular	X	50% of rated working pressure
Int 1	13-5/8"	5M	Blind	d Ram	Х	
1111 1	13-3/0	JIVI	Pipe	e Ram		5M
			Doub	le Ram	Х	JIVI
			Other*			
			Annul	ar (5M)	X	100% of rated working pressure
Production	13-5/8"	10M	Blind Ram		Х	
Fioduction	13-3/0	10111	Pipe Ram			10M
			Doub	le Ram	Х	10101
			Other*			
			Annul	ar (5M)		
			Blind	d Ram		
			Pipe	e Ram		1
			Doub	le Ram		
			Other*			
N A variance is requested for	the use of a	a diverter or	the surface	casing. See	attached for s	schematic.
Y A variance is requested to a	run a 5 M a	nnular on a	10M system	1		

4. Pressure Control Equipment (Three String Design)

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.

	DVT/Decon/Visual Monitoring
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					
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the				
Х	Completion Rpeort 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
Х	CBL	Production casing
Х	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	6978
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.

Y H2S plan attached.	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

Stranger 34 Fed Com 8H

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

Received by OCD: 6/14/2022 6:31:33 AM

Page 14 of 24 34-25-34-M Sundry ID 2670969 Stranger 34 Fed Com 8H Lea NM113898 DEVON ENERGY PRODUCTION COMPANY LP 13-22d 5-27-2022 LV.xlsm

Stranger 34 Fed Com 8H

10 3/4	suri	face csg in a	13 1/2 i	inch hole.		Design	Factors			Surface	e	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.50		H 40	btc	11.57	3.05	0.35	975	5	0.58	5.76	39,488
"B"				btc				0				0
	w/8.4#/s	g mud, 30min Sfc Csg Test p	osig: 1,171	Tail Cmt	does not	circ to sfc.	Totals:	975				39,488
comparison o		nimum Required Ceme										,
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
13 1/2	0.3637	340	490	355	38	9.00	3911	5M				1.38
urst Frac Grad	dient(s) for Segme	ent(s) A, B = , b All > 0	.70, OK.									
8 5/8	casir	g inside the	10 3/4			Design	Factors			Int 1		
Segment	#/ft	Grade	10 3/4	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	32.00	Graue	P 110	tlw	2.80	0.65	1.28	12,016	1 1	а-в 2.15	a-C 1.08	384,51
"B"	52.00		1 110	uw	2.00	0.05	1.20			2.10	1.00	0 0
D		and 20min Cfa Car Tart	ation 1 009				Tatal	0				0 384,51
	w/8.4#/§	g mud, 30min Sfc Csg Test p		dad to aphicus a tar -t	0	ft from su	Totals:	12,016				
Ilele	Annular			ded to achieve a top of	0			975				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
9 7/8	0.1261	862	1968	1534	28	10.50	4159	5M				0.44
							sum of sx	Σ CuFt				Σ%exce
O V Tool(s):								E Our t				
by stage % :	nt yld > 1.20	#VALUE!	#VALUE!				862	1968				28
by stage % : Class 'H' tail cm						Decign Fo	862		a a	Dred 1		28
by stage % : Class 'H' tail cm Tail cmt 5 1/2	casin	g inside the	#VALUE!			Design Fa	862	1968	De-	Prod 1		
by stage % : Class 'H' tail cm Tail cmt 5 1/2 Segment	casin #/ft		8 5/8	Coupling	Body	Collapse	862 <u>ctors</u> Burst	1968	B@s	a-B	a-C	Weigh
Tail cmt 5 1/2 Segment "A"	casin	g inside the		 Coupling btc	Body 2.51		862	1968 Length 17,650	B@s 2		a-C	Weigh 300,05
by stage % : Class 'H' tail cm Tail cmt 5 1/2 Segment	casin #/ft 17.00	g inside the Grade	8 5/8 p 110			Collapse	862 <u>ctors</u> Burst 1.53	1968 Length 17,650 0		a-B	a-C	Weigh 300,05 0
Tail cmt 5 1/2 Segment "A"	casin #/ft 17.00	n g inside the Grade g mud, 30min Sfc Csg Test p	8 5/8 p 110 osig: 2,812	btc	2.51	Collapse 1.07	862 ctors Burst 1.53 Totals:	1968 Length 17,650 0 17,650		a-B	a-C 1.80	Weigh 300,05 0 300,05
by stage % : Class 'H' tail on Tail cmt 5 1/2 Segment "A" "B"	casin #/ft 17.00 w/8.4#/{	g inside the Grade g mud, 30min Sfc Csg Test p The cement v	8 5/8 p 110 osig: 2,812 volume(s) are inten	btc ded to achieve a top of	2.51 11816	Collapse 1.07 ft from su	862 ctors Burst 1.53 Totals: urface or a	1968 Length 17,650 0		a-B	a-C 1.80	Weigh 300,05 0 300,05 overlap.
by stage % : Class 'H' tail on Tail cmt 5 1/2 Segment "A" "B" Hole	casin #/ft 17.00 w/8.4#/t Annular	g inside the Grade g mud, 30min Sfc Csg Test p The cement v 1 Stage	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage	btc ded to achieve a top of Min	2.51 11816 1 Stage	Collapse 1.07 ft from su Drilling	862 <u>ctors</u> Burst 1.53 Totals: urface or a Calc	1968 Length 17,650 0 17,650 200 Req'd		a-B	a-C 1.80	Weigh 300,05 0 300,05 overlap. Min Dis
by stage % : Class 'H' tail cm Tail cmt 5 1/2 Segment "A" "B" Hole Size	casin #/ft 17.00 w/8.4#/t Annular Volume	g inside the Grade g mud, 30min Sfc Csg Test p The cement to 1 Stage Cmt Sx	8 5/8 p 110 prig: 2,812 volume(s) are inten 1 Stage CuFt Cmt	btc ded to achieve a top of Min Cu Ft	2.51 11816 1 Stage % Excess	Collapse 1.07 ft from su	862 ctors Burst 1.53 Totals: urface or a	1968 Length 17,650 0 17,650 200		a-B	a-C 1.80	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp
by stage % : Class 'H' tail or Tail cmt 5 1/2 Segment "A" "B" Hole	casin #/ft 17.00 w/8.4#/t Annular	g inside the Grade g mud, 30min Sfc Csg Test p The cement v 1 Stage	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage	btc ded to achieve a top of Min	2.51 11816 1 Stage	Collapse 1.07 ft from su Drilling	862 <u>ctors</u> Burst 1.53 Totals: urface or a Calc	1968 Length 17,650 0 17,650 200 Req'd		a-B	a-C 1.80	Weigh 300,05 0 300,05
5 1/2 Segment "A" "B" Hole Size	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733	g inside the Grade g mud, 30min Sfc Csg Test p The cement to 1 Stage Cmt Sx	8 5/8 p 110 prig: 2,812 volume(s) are inten 1 Stage CuFt Cmt	btc ded to achieve a top of Min Cu Ft	2.51 11816 1 Stage % Excess	Collapse 1.07 ft from su Drilling Mud Wt	862 <u>ctors</u> Burst 1.53 Totals: urface or a Calc	1968 Length 17,650 0 17,650 200 Req'd		a-B	a-C 1.80	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp
by stage % : Class 'H' tail on 5 1/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail on #N/A	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733	g inside the Grade g mud, 30min Sfc Csg Test p The cement to 1 Stage Cmt Sx	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage CuFt Cmt 1438	btc ded to achieve a top of Min Cu Ft	2.51 11816 1 Stage % Excess	Collapse 1.07 ft from su Drilling Mud Wt 10.50	862 ctors Burst 1.53 Totals: urface or a Calc MASP	1968 Length 17,650 0 17,650 200 Req'd	2	a-B 2.56	a-C 1.80	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp
by stage % : Class 'H' tail on Tail cmt 51/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail on #N/A 0	casin #/ft 17.00 w/8.4#/{ Annular Volume 0.1733 att yld > 1.35	g inside the Grade g mud, 30min Sfc Csg Test p The cement V 1 Stage Cmt Sx 850	8 5/8 p 110 prig: 2,812 volume(s) are inten 1 Stage CuFt Cmt	btc ded to achieve a top of Min Cu Ft 1012	2.51 11816 1 Stage % Excess 42	Collapse 1.07 ft from su Drilling Mud Wt 10.50 Design	862 ctors Burst 1.53 Totals: Inface or a Calc MASP Factors	1968 Length 17,650 0 17,650 200 Req'd BOPE	2	a-B 2.56	a-C 1.80 sing>	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp 0.91
by stage % : Class 'H' tail cm 5 1/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail cm #N/A 0 Segment	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733	g inside the Grade g mud, 30min Sfc Csg Test p The cement to 1 Stage Cmt Sx	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage CuFt Cmt 1438	btc ded to achieve a top of Min Cu Ft 1012 Coupling	2.51 11816 1 Stage % Excess	Collapse 1.07 ft from su Drilling Mud Wt 10.50	862 ctors Burst 1.53 Totals: urface or a Calc MASP	1968 Length 17,650 0 17,650 200 Req'd BOPE	2	a-B 2.56	a-C 1.80	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp 0.91 Weigh
by stage % : Class 'H' tail cm 5 1/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail cm (\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	casin #/ft 17.00 w/8.4#/{ Annular Volume 0.1733 att yld > 1.35	g inside the Grade g mud, 30min Sfc Csg Test p The cement V 1 Stage Cmt Sx 850	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage CuFt Cmt 1438	btc ded to achieve a top of Min Cu Ft 1012 Coupling 0.00	2.51 11816 1 Stage % Excess 42	Collapse 1.07 ft from su Drilling Mud Wt 10.50 Design	862 ctors Burst 1.53 Totals: Inface or a Calc MASP Factors	1968 Length 17,650 0 17,650 200 Req'd BOPE Length 0	2	a-B 2.56	a-C 1.80 sing>	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp 0.91 Weigh 0
by stage % : ilass 'H' tail cm 5 1/2 Segment "A" "B" Hole Size 7 7/8 ilass 'C' tail cm #N/A 0 Segment	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733 it yld > 1.35 #/ft	g inside the Grade g mud, 30min Sfc Csg Test p The cement v 1 Stage Cmt Sx 850 Grade	8 5/8 p 110 osig: 2,812 rolume(s) are inten 1 Stage CuFt Cmt 1438 5 1/2	btc ded to achieve a top of Min Cu Ft 1012 Coupling	2.51 11816 1 Stage % Excess 42	Collapse 1.07 ft from su Drilling Mud Wt 10.50 Design	862 ctors Burst 1.53 Totals: urface or a Calc MASP Factors Burst	1968 Length 17,650 0 17,650 200 Req'd BOPE	2	a-B 2.56	a-C 1.80 sing>	Weigh 300,05 0 300,05 0verlap. Min Dis Hole-Cp 0.91 Weigh 0 0
y stage % : ilass 'H' tail cm 5 1/2 Segment "A" "B" Hole Size 7 7/8 ilass 'C' tail cm #N/A 0 Segment "A"	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733 it yld > 1.35 #/ft	ng inside the Grade g mud, 30min Sfc Csg Test p The cement v 1 Stage Cmt Sx 850 Grade g mud, 30min Sfc Csg Test p	8 5/8 p 110 sig: 2,812 rolume(s) are inten 1 Stage CuFt Cmt 14:38 5 1/2 sig:	btc ded to achieve a top of Min Cu Ft 1012 Coupling 0.00 0.00	2.51 11816 1 Stage % Excess 42 #N/A	Collapse 1.07 It from su Drilling Mud Wt 10.50 <u>Design</u> Collapse	862 <u>ctors</u> Burst 1.53 Totals: urface or a Calc MASP Factors Burst Totals:	1968 Length 17,650 200 Req'd BOPE Length 0 0	2	a-B 2.56	a-C 1.80 sing> a-C	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp 0.91 Weigh 0 0 0 0
by stage % : Class 'H' tail on 5 1/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail on #N/A 0 Segment "A" "B"	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733 tt yld > 1.35 #/ft w/8.4#/t	ng inside the Grade g mud, 30min Sfc Csg Test p The cement v 1 Stage Cmt Sx 850 Grade g mud, 30min Sfc Csg Test p Cmt vol ca	8 5/8 p 110 osig: 2,812 volume(s) are inten- 1 Stage CuFt Cmt 1438 5 1/2 ssig: alc below includes 1	btc ded to achieve a top of Min Cu Ft 1012 Coupling 0.00 0.00 this csg, TOC intendec	2.51 11816 1 Stage % Excess 42 #N/A	Collapse 1.07 ft from su Drilling Mud Wt 10.50 <u>Design i</u> Collapse ft from su	862 <u>ctors</u> Burst 1.53 Totals: urface or a Calc MASP Factors Burst Totals: urface or a	1968 Length 17,650 200 Req'd BOPE Length 0 0 0 #N/A	2	a-B 2.56	a-C 1.80 sing> a-C	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp 0.91 Weigh 0 0 0 0 0 0 0
by stage % : Class 'H' tail on Tail cmt 5 1/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail on #N/A 0 Segment "A" "B" Hole	casin #/ft 17.00 w/8.4#/f Annular Volume 0.1733 nt yld > 1.35 #/ft w/8.4#/f Annular	ng inside the Grade g mud, 30min Sfc Csg Test p The cement V 1 Stage Cmt Sx 850 Grade g mud, 30min Sfc Csg Test p Cmt vol cc 1 Stage	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage CuFt Cmt 1438 5 1/2	btc ded to achieve a top of Min Cu Ft 1012 Coupling 0.00 0.00 this csg, TOC intendec Min	2.51 11816 1 Stage % Excess 42 #N/A 1 Stage	Collapse 1.07 ft from su Drilling Mud Wt 10.50 <u>Design</u> Collapse ft from su Drilling	862 ctors Burst 1.53 Totals: urface or a Calc MASP Factors Burst Totals: urface or a Calc	1968 Length 17,650 200 Req'd BOPE Length 0 0 0 wN/A Req'd	2	a-B 2.56	a-C 1.80 sing> a-C	Weigh 300,05 overlap. Min Dis Hole-Cp 0.91 Weigh 0 0 0 0 overlap. Min Dis
by stage % : Class 'H' tail on 5 1/2 Segment "A" "B" Hole Size 7 7/8 Class 'C' tail on #N/A 0 Segment "A" "B" Hole Size Size 1 A" 1 A" 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	casin #/ft 17.00 w/8.4#/t Annular Volume 0.1733 tt yld > 1.35 #/ft w/8.4#/t	g mud, 30min Sfc Csg Test p The cement v 1 Stage Cmt Sx 850 Grade g mud, 30min Sfc Csg Test p Cmt vol cs 1 Stage Cmt Sx	8 5/8 p 110 osig: 2,812 volume(s) are inten 1 Stage CuFt Cmt 1438 5 1/2 ssig: alc below includes 1 1 Stage CuFt Cmt	btc ded to achieve a top of Min Cu Ft 1012 Coupling 0.00 0.00 0.00 this csg, TOC intendec Min Cu Ft	2.51 11816 1 Stage % Excess 42 #N/A 1 Stage % Excess	Collapse 1.07 ft from su Drilling Mud Wt 10.50 <u>Design i</u> Collapse ft from su	862 <u>ctors</u> Burst 1.53 Totals: urface or a Calc MASP Factors Burst Totals: urface or a	1968 Length 17,650 200 Req'd BOPE Length 0 0 0 #N/A	2	a-B 2.56	a-C 1.80 sing> a-C	Weigh 300,05 0 300,05 overlap. Min Dis Hole-Cp 0.91 Weigh 0 0 0 0 0 0 0
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PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

	Devon Energy Production Company LP
LEASE NO.:	NMNM113898
LOCATION:	Section 34, T.25 S., R.34 E., NMPM
COUNTY:	Lea County, New Mexico
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Stranger 34 Fed Com 8H
SURFACE HOLE FOOTAGE:	205'/S & 550'/E
BOTTOM HOLE FOOTAGE	20'/N & 990'/E
ATS/API ID:	30-025-46008
Sundry ID:	2670969

COA

H2S	🖸 Yes	O No	
Potash	🖸 None	C Secretary	C R-111-P
Cave/Karst Potential	• Low	C Medium	🖸 High
Cave/Karst Potential	Critical		
Variance	🖸 None	Flex Hose	Other
Wellhead	Conventional	C Multibowl	Both
Wellhead Variance	Diverter		
Other	□4 String	Capitan Reef	□ WIPP
Other	Fluid Filled	🗆 Pilot Hole	🗆 Open Annulus
Cementing	Cement Squeeze	□ EchoMeter	
Special Requirements	U Water Disposal	COM	🗖 Unit
Special Requirements	Break Testing	□ Offline	
Variance		Cementing	

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 Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

 The 10-3/4 inch surface casing shall be set at approximately 975 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of <u>8</u> <u>hours</u> or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

- 2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down 10-3/4" X 8-5/8" annulus after primary cementing stage. <u>Operator must run a CBL from TD of the 8-5/8" casing to surface.</u> <u>Submit results to the BLM.</u>

If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

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

- 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.

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 **5000 (5M)** 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 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 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 **10,000** (**10M**) psi. Variance is approved to use a **5000** (**5M**) Annular which shall be tested to **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 OOGO2.III.A.2.i 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.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

• In addition, the well sign shall include the surface and bottom hole lease numbers. <u>When the Communitization Agreement number is known, it shall also be on the sign.</u>

BOPE Break Testing Variance

- 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 (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 14-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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 Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822
 - Lea County
 Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
 689-5981
- 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 Onshore Oil and Gas Order No. 2 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.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- <u>Wait on cement (WOC) for Potash Areas:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least <u>24</u> <u>hours</u>. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. <u>Wait on cement (WOC) for Water Basin:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity 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 Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 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 OOGO2.III.A.2.i 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 when specified), 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 plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 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 water basin (8 hours) or potash (24 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 Onshore Order No. 2.
- 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.

LVO 5/31/2022

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	116708
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By		Condition Date
pkautz	None	6/14/2022

Released to Imaging: 6/14/2022 7:52:07 AM

CONDITIONS

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Action 116708