

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

Well Name: NORTH BLONDIE 3-15 Well Location: T25S / R34E / SEC 34 / County or Parish/State:

FED COM SWSW /

Well Number: 6H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM66927 Unit or CA Name: Unit or CA Number:

US Well Number: 3002551800 **Well Status:** Approved Application for **Operator:** DEVON ENERGY

Permit to Drill PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2772635

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/31/2024 Time Sundry Submitted: 07:59

Date proposed operation will begin: 01/31/2024

Procedure Description: Devon Energy Production Company L.P. respectfully requests the following change to the approved APD: Request addition of Pilot Hole. Addition of second intermediate string. Changes to all strings in casing program and cement volume changes to accommodate. Please see attached revised drill plan and spec sheets.

NOI Attachments

Procedure Description

13.375_54.50_J55_20240131075723.pdf

5.5_20lb_P110EC_DWC_C_IS_PLUS_20240131075649.pdf

10.750_45.5_J55_SEAH_20240131075420.pdf

8.625_32lb_P110EC_SPRINT_FJ_VST_20240131075421.pdf

North_Blondie_3_15_Fed_Com_6H_JCB_Pilot_Hole_Edit_1_25_24_20240131075318.pdf

eived by OCD: 2/15/2024 1:24:57 PM. Well Name: NORTH BLONDIE 3-15

FED COM

Well Location: T25S / R34E / SEC 34 /

County or Parish/State:

Page 2 of

Well Number: 6H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM66927

Unit or CA Name:

SWSW /

Unit or CA Number:

US Well Number: 3002551800

Well Status: Approved Application for

Operator: DEVON ENERGY

Permit to Drill

PRODUCTION COMPANY LP

Conditions of Approval

Specialist Review

North Blondie 3 15 Fed Com 6H Sundry ID 2772635 20240215103308.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: REBECCA DEAL Signed on: JAN 31, 2024 07:57 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Analyst

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITY State: OK

Phone: (303) 299-1406

Email address: REBECCA.DEAL@DVN.COM

Field

Representative Name:

Street Address:

City:

Phone:

Email address:

BLM Point of Contact

Signature: Long Vo

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: 02/15/2024

State:

Page 2 of 2

Zip:

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

	Expires		
Loogo Sorial Mc			

BURI	EAU OF LAND MANAGEMENT		5. Lease Serial No.	NMNM66927
SUNDRY NOTICES AND REPORTS ON WEI Do not use this form for proposals to drill or to re abandoned well. Use Form 3160-3 (APD) for such		o re-enter an	6. If Indian, Allottee	or Tribe Name
	TRIPLICATE - Other instructions on pag	e 2	7. If Unit of CA/Agree	eement, Name and/or No.
1. Type of Well Oil Well Gas W	/ell Other		8. Well Name and No	NORTH BLONDIE 3-15 FED COM/6
2. Name of Operator DEVON ENERG	SY PRODUCTION COMPANY LP		9. API Well No. 3002	<u> </u>
3a. Address 333 WEST SHERIDAN		(include area code)	10. Field and Pool or	
	(405) 235-36	11	Jabalina/Wolfcam	· ·
4. Location of Well (Footage, Sec., T.,R SEC 34/T25S/R34E/NMP	.,M., or Survey Description)		11. Country or Parish LEA/NM	, State
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF N	NOTICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION		TYPE OF	FACTION	
Notice of Intent	Acidize Deep Alter Casing Hydr	en aulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report		=	Recomplete	Other
Final Abandonment Notice		and Abandon Back	Temporarily Abandon Water Disposal	
completed. Final Abandonment Not is ready for final inspection.) Devon Energy Production Com Request addition of Pilot Hole. accommodate. Please see attached revised d		s, including reclamation	, have been completed and opproved APD:	the operator has detennined that the site
14. I hereby certify that the foregoing is REBECCA DEAL / Ph: (303) 299-1		Regulatory Ana	alyst	
(Electronic Submissio	n)	Date	01/31/2	2024
	THE SPACE FOR FED	ERAL OR STATE	OFICE USE	
Approved by				
LONG VO / Ph: (575) 988-5402 / A	pproved	Petroleum Title		02/15/2024 Date
	ned. Approval of this notice does not warran quitable title to those rights in the subject le duct operations thereon.		BAD	
	B U.S.C Section 1212, make it a crime for arents or representations as to any matter with		d willfully to make to any d	epartment or agency of the United States

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 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: SWSW / 205 FSL / 940 FWL / TWSP: 25S / RANGE: 34E / SECTION: 34 / LAT: 32.080304 / LONG: -103.4633 (TVD: 0 feet, MD: 0 feet) PPP: NWNW / 100 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 3 / LAT: 32.0794666 / LONG: -103.4652039 (TVD: 10500 feet, MD: 10552 feet) PPP: NWSW / 2434 FSL / 351 FWL / TWSP: 26S / RANGE: 34E / SECTION: 10 / LAT: 32.0573999 / LONG: -103.4651818 (TVD: 11003 feet, MD: 19000 feet) PPP: SWNW / 1449 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 10 / LAT: 32.061248 / LONG: -103.4651857 (TVD: 11015 feet, MD: 17600 feet) PPP: NWNW / 149 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 10 / LAT: 32.0648212 / LONG: -103.4651893 (TVD: 11027 feet, MD: 16300 feet) BHL: SWNW / 2050 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 15 / LAT: 32.045074 / LONG: -103.465169 (TVD: 10964 feet, MD: 23484 feet)



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

Dimensions (Nominal)

Outside Diameter	13.375	in.
Wall	0.380	in.
Inside Diameter	12.615	in.
Drift	12.459	in.
Weight, T&C	54.500	lbs/ft
• .	34.300	-
Weight, PE	52.790	lbs/ft

Performance Ratings, Minimum

Collapse, PE	1130	psi
Internal Yields Pressure		
PE	2730	psi
STC	2730	PSI
ВТС	2730	psi
Yield Strength, Pipe Body	853	1000 lbs
Joint Strength, STC	514	1000 lbs
Joint Strength, BTC	909	1000 lbs

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.



<u>10-3/4"</u> <u>45.50#</u> <u>0.400"</u> <u>J-55</u>

in.

in.

10.750

0.400

Dimensions (Nominal)

Outside Diameter

Wall

Inside Diameter	9.950	in.
Drift	9.875	in.
Weight, T&C	45.500	lbs/ft
_ :	44.260	lbs/ft
Weight, PE	44.200	105/11
Internal Yield Pressure at Minimum Yield		
internal field Pressure at Willimum field		
Collapse	2090	psi
Conapse	2030	P 3i
Internal Yields Pressure		
PE	3580	psi
STC	3580	psi
ВТС	3580	psi
Yield Strength, Pipe Body	715	1000 lbs
Joint Strength, STC		
•		
STC	493	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.

796

1000 lbs

BTC

Received by OCD: 2/15/2024 1:24:57 PM

Issued on: 16 Dec. 2020 by Logan Van Gorp



Connection Data Sheet

OD	Weight (lb/ft)	Wall Th.	Grade	Alt. Drift:	Connection
8 5/8 in.	Nominal: 32.00	0.352 in.	P110EC	7.875 in.	VAM® SPRINT-FJ
	Plain End: 31.13				

PIPE PROPERTIES				
		i.e.		
Nominal OD	8.625	in.		
Nominal ID	7.921	in.		
Nominal Cross Section Area	9.149	sqin.		
Grade Type	Hig	gh Yield		
Min. Yield Strength	125	ksi		
Max. Yield Strength	140	ksi		
Min. Ultimate Tensile Strength	135	ksi		

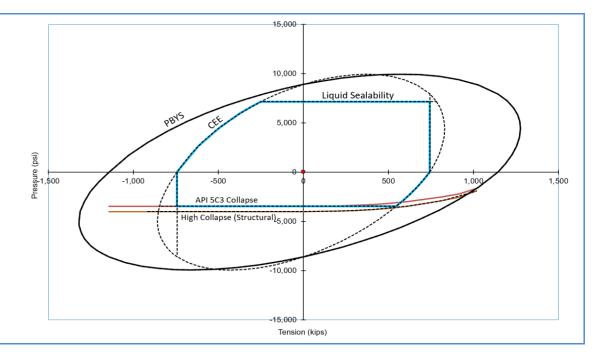
CONNECTION PROP	PERTIES	
Connection Type	Semi-Premium Into	egral Flush
Connection OD (nom):	8.665	in.
Connection ID (nom):	7.954	in.
Make-Up Loss	2.614	in.
Critical Cross Section	6.038	sqin.
Tension Efficiency	65.0	% of pipe
Compression Efficiency	65.0	% of pipe
Internal Pressure Efficiency	80.0	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCES				
Tensile Yield Strength	744	klb		
Compression Resistance	744	klb		
Max. Internal Pressure	7,150	psi		
Structural Collapse Resistance	4,000	psi		
Max. Bending with Sealability	41	°/100ft		
Max. Bending with Sealability	10	°/100ft		

TORQUE VALUES		
Min. Make-up torque	15,000	ft.lb
Opt. Make-up torque	16,500	ft.lb
Max. Make-up torque	18,000	ft.lb
Max. Torque with Sealability (MTS)	TBD	ft.lb

* 87.5% RBW

VAM® SPRINT-FJ is a semi-premium flush connection designed for shale applications, where maximum clearance and high tension capacity are required for intermediate casing strings.



canada@vamfieldservice.com usa@vamfieldservice.com mexico@vamfieldservice.com brazil@vamfieldservice.com

Do you need help on this product? - Remember no one knows VAM^{\otimes} like VAM^{\otimes} uk@vamfieldservice.com

dubai@vamfieldservice.com nigeria@vamfieldservice.com angola@vamfieldservice.com

Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance

china@vamfieldservice.com baku@vamfieldservice.com singapore@vamfieldservice.com australia@vamfieldservice.com



1. Geologic Formations

TVD of target	10965	Pilot hole depth	14433
MD at TD:	23484	Deepest expected fresh water	

Basin

Dasin		XX7 / /3 #1 X	
	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	860		
Salt	1300		
Base of Salt	5050		
Delaware	5320		
Cherry Canyon	6320		
Brushy Canyon	7950		
1st Bone Spring Lime	9420		
Bone Spring 1st	10500		
Bone Spring 2nd	11200		
3rd Bone Spring Lime	11550		
Bone Spring 3rd	12150		
Wolfcamp	12590		
Strawn	14233		

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

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Top (MD)	Bottom (MD)	Top (TVD)	Bottom (TVD)
17 1/2	13 3/8	54.5	J-55	ВТС	0	885 MD	0	885 TVD
12 1/4	10 3/4	45.5	J-55	BTC SC	0	5100 MD	0	5100 TVD
9 7/8	8 5/8	32.0	P110	Sprint FJ	0	12875 MD	0	12875 TVD
7 7/8	5 1/2	20.0	P110	DWC/C-IS PLUS	0	23484 MD	0	10965 TVD

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

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	728	Surf	13.0	1.4	Lead: Class C Cement + additives
Int 1	1097	Surf	9.0	1.9	Lead: Class C Cement + additives
Int 1	101	4600	13.0	1.4	Tail: Class H / C + additives
Int 2	529	Surf	9.0	3.3	Lead: Class C Cement + additives
Int 2	124	11875	13.0	1.4	Tail: Class H / C + additives
Int 2	431	Surf	13.0	1.9	2nd Stage: Bradenhead Squeeze - Lead:Class C Cement + additives
Intermediate	332	Surf	9.0	1.9	Lead: Class C Cement + additives
Squeeze	544	7950	13.0	1.4	Tail: Class H / C + additives
Production	32	10000	9.0	3.3	Lead: Class H /C + additives
Froduction	1718	10500	13.0	1.4	Tail: Class H / C + additives

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. The final cement top will be verified by Echo-meter. Devon will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program. Devon will report to the BLM the volume of fluid (limited to 1 bbls) used to flush intermediate casing valves following backside cementing procedures.

Casing String	% Excess
Surface	50%
Intermediate and Intermediate 1	30%
Production	10%

4. Pressure Control Equipment (Four String Design)

4. Pressure Control Equipment (For	i Sumg Du																															
BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре	✓	Tested to:																											
			Annular	X	50% of rated working pressure																											
T., 4 1	12 5/0"	514	Blind Ram	X																												
Int 1	13-5/8"	5M	Pipe Ram		73.f																											
			Double Ram	X	5M																											
		•		Other*		1																										
	13-5/8"	1015	Annular	X	50% of rated working pressure																											
12			103.6	103.6	103.5	103.5	103.5	10M	10M	13-5/8" 10M	13-5/8" 10M	13-5/8" 10M	-5/8" 10M	13-5/8" 10M	13-5/8" 10M	10M	Blind Ram	X														
Int 2		13-5/8" 10M	13-5/8" 10M	13-5/8" 10M	13-5/8" 10M	13-5/8 10101	13-3/8 101/1										TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOM	TOW	TOM	Pipe Ram
																Double Ram	X	10M														
			Other*		1																											
				Annular (5M)	X	50% of rated working																										
			Annular (5M)	Λ	pressure																											
Production	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	13-5/8" 5M	12 5/9" 5M	5M	8" 5M	3-5/8" 5M	Blind Ram	X																		
Troduction									JIVI				13-3/6 3141	JIVI	Pipe Ram		5M															
				Double Ram	X	JIVI																										
			Other*																													

5. Mud Program (Four String Design)

Section	Туре	Weight (ppg)
Surface	WBM	8.5-9
Intermediate 1	DBE / Cut Brine	10-10.5
Intermediate 2	WBM	8.5-9
Production	WBM	8.5-9

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

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

6. Logging and Testing Procedures

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.				
X	Coring? If yes, explain. Whole core from approximately 11,783' - 12,153'.				

Additiona	al logs planned	Interval
X	Resistivity	Intermediate & Pilot Hole
X	Density	Intermediate & Pilot Hole
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	5131
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.

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

8. Other facets of operation

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

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

Attachments	3
X	Directional Plan
	Other, describe

North Blondie 3-15 Fed Com 6H

9. Pilot Hole

Hole Size 7 7/8"		
From	To	
12,875 (Pilot Begin)	14,433 (Pilot end)	

- Pilot hole will be plugged back per NMOCD P&A requirements with a <u>cement plug</u>.
- Plug depths will be verified and tagged on the plug back.
- Devon will contact the NMOCD and give notice before performing any of the aforementioned procedures including the tagging of the cement plug.

PILOT HOLE ABANDONMENT					
Pilot Hole ABDMNT plug					
Slurry Top:	12,625				
Slurry Base:	12,925				
Slurry Weight:	15.6				
Cement Plug	300'				
Height:	300				
Strawn ABDMNT plug					
Slurry Top:	14,000				
Slurry Base:	14,300				
Slurry Weight:	15.6				
Cement Plug	300'				
Height:	300				
Whipstock	Set Depths				
Whip Set Depth	10,500				
Whip	10,475-10,485				
Window	10,475-10,465				

	TOC	Wt. (lb/gal)	H ₂ 0 (gal/sk)	Sacks	Yld (ft3/sack)	Slurry Description
Abandonment Plug (Pilot Hole)	12,625	15.6	5.24	98	1.18	 Lead: Class H Cement + Retarder – HR-601 – 0.1% BWOC Suspension Agent – SA- 1015 – 0.05% BWOC Fluid Loss Additive – Halad-322 – 0.5% BWOC

	TOC	Wt. (lb/gal)	H ₂ 0 (gal/sk)	Sacks	Yld (ft3/sack)	Slurry Description
Abandonment Plug (Strawn)	14,000	15.6	5.24	86	1.18	 Lead: Class H Cement + Retarder – HR-601 – 0.1% BWOC Suspension Agent – SA- 1015 – 0.05% BWOC Fluid Loss Additive – Halad-322 – 0.5% BWOC

Sundry Print Report

Page 15 of 41

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

Well Name: NORTH BLONDIE 3-15

FED COM

Well Location: T25S / R34E / SEC 34 /

SWSW /

Well Number: 6H Type of Well: OIL WELL County or Parish/State:

Allottee or Tribe Name:

Lease Number: NMNM66927

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002551800

Well Status: Approved Application for

Permit to Drill

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Digitally signed by LONG VO Date: 2024.02.15 11:30:33 -06'00'

Notice of Intent

Sundry ID: 2772635

Type of Action: APD Change Type of Submission: Notice of Intent Date Sundry Submitted: 01/31/2024 Time Sundry Submitted: 07:59

Date proposed operation will begin: 01/31/2024

Procedure Description: Devon Energy Production Company L.P. respectfully requests the following change to the approved APD: Request addition of Pilot Hole. Addition of second intermediate string. Changes to all strings in casing program and cement volume changes to accommodate. Please see attached revised drill plan and spec sheets.

NOI Attachments

Procedure Description

13.375_54.50_J55_20240131075723.pdf

5.5_20lb_P110EC_DWC_C_IS_PLUS_20240131075649.pdf

10.750 45.5 J55 SEAH 20240131075420.pdf

8.625_32lb_P110EC_SPRINT_FJ_VST_20240131075421.pdf

North_Blondie_3_15_Fed_Com_6H_JCB_Pilot_Hole_Edit_1_25_24_20240131075318.pdf

Received by OCD: WIFFELD WATER BENEDIE 3-15 FED COM

Well Location: T25S / R34E / SEC 34 /

SWSW /

Type of Well: OIL WELL

County or Parish/State:

Page 16 of 41

Lease Number: NMNM66927

Allottee or Tribe Name:

Well Number: 6H

Unit or CA Name:

Unit or CA Number:

Zip:

US Well Number: 3002551800

Well Status: Approved Application for

Permit to Drill

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: REBECCA DEAL Signed on: JAN 31, 2024 07:57 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Analyst

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITY State: OK

Phone: (303) 299-1406

Email address: REBECCA.DEAL@DVN.COM

Field

Representative Name:

Street Address:

City: State:

Phone:

Email address:

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

Devon Energy Production Company LP OPERATOR'S NAME:

NMNM66927 **LEASE NO.:**

Section 34, T.25 S., R.34 E., NMPM **LOCATION: COUNTY:** •

Lea County, New Mexico

WELL NAME & NO.: North Blondie 3-15 Fed Com 6H

SURFACE HOLE FOOTAGE: 205'/S & 940'/W **BOTTOM HOLE FOOTAGE** 2050'/N & 350'/W

ATS/API ID: 3002551800 APD ID: 10400086527 **Sundry ID:** 2772635

COA

H2S	Yes ▼		
Potash	None		
Cave/Karst	Low		
Potential			
Cave/Karst	☐ Critical		
Potential			
Variance	None	Flex Hose	Other
Wellhead	Conventional and Multibov	vI 🔻	
Other	✓ 4 String	Capitan Reef	□WIPP
		None	
		_	
Other	Pilot Hole	☐ Open Annulus	
	Int 2		
Cementing	Contingency Squeeze	Echo-Meter	Primary Cement
	None ▼	Int 2	Squeeze
			None ▼
Special	□ Water	☑ COM	Unit
Requirements	Disposal/Injection		
Special	☐ Batch Sundry		
Requirements	-		
Special	☑ Break Testing	☐ Offline	☐ Casing
Requirements		Cementing	Clearance
Variance			

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The 13-3/8 inch surface casing shall be set at approximately 950 feet (a minimum of 25 feet (Lea 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 17 1/2 inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

- 2. The minimum required fill of cement behind the 10-3/4 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

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

3. The minimum required fill of cement behind the 10-3/4 inch intermediate casing is:

Option 1 (Single Stage):

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

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 7950' (876 sxs Class H/C+ additives).
- 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 631 sxs Class C)
 Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

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.

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.

The pilot hole plugging procedure is approved as written. Note plug tops on subsequent drilling report. The BLM is to be contacted 24 hours prior to the commencement of any plugging operations (575-689-5981 Lea County) and when tagging the plugs. **See corrections in Drill plan.**

- ❖ Mud Requirement: Mud shall be placed between all or below plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
- ❖ Cement requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.
- ❖ Subsequent Plugging Reporting: Within 30 days after plugging work is completed to the BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date pilot hole was plugged and tagged.
- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

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

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. Annular which shall be tested to 2100 (70% Working Pressure) psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 10-3/4 intermediate casing shoe shall be 5000 (5M) psi. Annular which shall be tested to 3500 (70% Working Pressure) psi.
- c. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **8-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

- a. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 13-3/8 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR part 3170 Subpart 3171
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

BOPE Break Testing Variance (Approved)

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone

- Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea 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.

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)

✓ 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 **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.
- 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 when present.
- 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, 2) until cement has been in place at least 24 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 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 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.

LVO 2/15/2024

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

14. I hereby certify that the foregoing is REBECCA DEAL / Ph: (303) 299- (Electronic Submission Signature) Approved by Conditions of approval, if any, are attacentify that the applicant holds legal or which would entitle the applicant to contact the second s	THE SPACE F ched. Approval of this notice doe equitable title to those rights in t	Date FOR FEDERAL OR ST Title es not warrant or		01/31/2024 E Date	
REBECCA DEAL / Ph: (303) 299- Signature (Electronic Submission	1406 ion)	Date Regulator		E	
REBECCA DEAL / Ph: (303) 299- Signature (Electronic Submission	1406 ion)	Title Regulator Date			
REBECCA DEAL / Ph: (303) 299-	1406 ion)	Title Regulator Date			
		Regulator	y Analyst		
Please see attached revised of	drill plan and spec sheets.				
Devon Energy Production Co Request addition of Pilot Hole accommodate.				gram and cement volume changes to	
the proposal is to deepen direction the Bond under which the work wi completion of the involved operati completed. Final Abandonment No is ready for final inspection.)	ally or recomplete horizontally, a ill be perfonned or provide the B ions. If the operation results in a otices must be filed only after all	give subsurface locations and n tond No. on file with BLM/BIA multiple completion or recomp requirements, including reclan	neasured and true vert . Required subsequen letion in a new interv nation, have been com	proposed work and approximate duration tical depths of all pertinent markers and z at reports must be filed within 30 days fol al, a Form 3160-4 must be filed once test apleted and the operator has detennined the state of the	zones. Attach llowing ting has been
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal		
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon	Recomplete Temporarily Ab	Other	
Notice of Intent	Acidize Alter Casing	Deepen Hydraulic Fracturing	Production (Sta	rt/Resume) Water Shut-Off Well Integrity	
TYPE OF SUBMISSION		TY	PE OF ACTION		
12. CHF	ECK THE APPROPRIATE BOX	(ES) TO INDICATE NATURE	OF NOTICE, REPO	ORT OR OTHER DATA	
4. Location of Well (Footage, Sec., T., SEC 34/T25S/R34E/NMP	R.,M., or Survey Description)			ry or Parish, State	
3a. Address 333 WEST SHERIDAN	17172, 0112, 111011111 (011 1)	o. Phone No. <i>(include area code</i> 105) 235-3611	´	and Pool or Exploratory Area a/Wolfcamp; Southwest	
2. Name of Operator DEVON ENERG	GY PRODUCTION COMPAN			ell No. 3002551800	
Oil Well Gas V	Well Other		8. Well Na	$^{ m ame~and~No.}$ NORTH BLONDIE 3-15 F	FED COM/6
1. Type of Well	TRIPLICATE - Other instructi	ions on page 2		-	
	Use Form 3160-3 (APL	D) for such proposals	l.	of CA/Agreement, Name and/or No.	
abandoned well.	NOTICES AND REPOR form for proposals to		6. If India	n, Allottee or Tribe Name	
Do not use this				NMNM66927	
SUNDRY I Do not use this	REAU OF LAND MANAC	GEMENT	5. Lease S	Serial No	

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Location of Well

0. SHL: SWSW / 205 FSL / 940 FWL / TWSP: 25S / RANGE: 34E / SECTION: 34 / LAT: 32.080304 / LONG: -103.4633 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 3 / LAT: 32.0794666 / LONG: -103.4652039 (TVD: 10500 feet, MD: 10552 feet)

PPP: NWSW / 2434 FSL / 351 FWL / TWSP: 26S / RANGE: 34E / SECTION: 10 / LAT: 32.0573999 / LONG: -103.4651818 (TVD: 11003 feet, MD: 19000 feet)

PPP: SWNW / 1449 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 10 / LAT: 32.061248 / LONG: -103.4651857 (TVD: 11015 feet, MD: 17600 feet)

PPP: NWNW / 149 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 10 / LAT: 32.0648212 / LONG: -103.4651893 (TVD: 11027 feet, MD: 16300 feet)

BHL: SWNW / 2050 FNL / 350 FWL / TWSP: 26S / RANGE: 34E / SECTION: 15 / LAT: 32.045074 / LONG: -103.465169 (TVD: 10964 feet, MD: 23484 feet)



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

Dimensions (Nominal)

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

Performance Ratings, Minimum

Collapse, PE	1130	psi
Internal Yields Pressure		
PE	2730	psi
STC	2730	PSI
ВТС	2730	psi
Yield Strength, Pipe Body	853	1000 lbs
Joint Strength, STC	514	1000 lbs
Joint Strength, BTC	909	1000 lbs

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.



<u>10-3/4"</u> <u>45.50#</u> <u>0.400"</u> <u>J-55</u>

in.

10.750

Dimensions (Nominal)

Outside Diameter

Wall Inside Diameter Drift	0.400 9.950 9.875	in. in. in.
Weight, T&C Weight, PE	45.500 44.260	lbs/ft lbs/ft
Internal Yield Pressure at Minimum Yield		
Collapse	2090	psi
Internal Yields Pressure		
PE	3580	psi
STC	3580	psi
ВТС	3580	psi
Yield Strength, Pipe Body	715	1000 lbs
Joint Strength, STC		
STC	493	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.

796

1000 lbs

BTC

Issued on: 16 Dec. 2020 by Logan Van Gorp



Connection Data Sheet

OD	Weight (lb/ft)	Wall Th.	Grade	Alt. Drift:	Connection
8 5/8 in.	Nominal: 32.00	0.352 in.	P110EC	7.875 in.	VAM® SPRINT-FJ
	Plain End: 31.13		·		

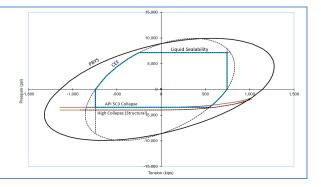
PIPE PROPERTIES		
Nominal OD	8.625	in.
Nominal ID	7.921	in.
Nominal Cross Section Area	9.149	sqin.
Grade Type	Hig	h Yield
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Ultimate Tensile Strength	135	ksi

CONNECTION PROP	ERTIES	
Connection Type	Semi-Premium Inte	egral Flush
Connection OD (nom):	8.665	in.
Connection ID (nom):	7.954	in.
Make-Up Loss	2.614	in.
Critical Cross Section	6.038	sqin.
Tension Efficiency	65.0	% of pipe
Compression Efficiency	65.0	% of pipe
Internal Pressure Efficiency	80.0	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCES		
Tensile Yield Strength	744	klb
Compression Resistance	744	klb
Max. Internal Pressure	7,150	psi
Structural Collapse Resistance	4,000	psi
Max. Bending with Sealability	41	°/100ft
Max. Bending with Sealability	10	°/100ft

TORQUE VALUE	S	
Min. Make-up torque	15,000	ft.lb
Opt. Make-up torque	16,500	ft.lb
Max. Make-up torque	18,000	ft.lb
Max. Torque with Sealability (MTS)	TBD	ft.lb

VAM® SPRINT-FJ is a semi-premium flush connection designed for shale applications, where maximum clearance and high tension capacity are required for intermediate casing strings.



canada@vamfieldservice.com usa@vamfieldservice.com mexico@vamfieldservice.com brazil@vamfieldservice.com Do you need help on this product? - Remember no one knows VAM[®] like VAM[®]

uk@vamfieldservice.com dubai@vamfieldservice.com nigeria@vamfieldservice.com angola@vamfieldservice.com

Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance

china@vamfieldservice.com baku@vamfieldservice.com singapore@vamfieldservice.com australia@vamfieldservice.com



^{* 87.5%} RBW

North Blondie 3-15 Fed Com 6H

1. Geologic Formations

TVD of target	10965	Pilot hole depth	14433
MD at TD:	23484	Deepest expected fresh water	

Basin

	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	860		
Salt	1300		
Base of Salt	5050		
Delaware	5320		
Cherry Canyon	6320		
Brushy Canyon	7950		
1st Bone Spring Lime	9420		
Bone Spring 1st	10500		
Bone Spring 2nd	11200		
3rd Bone Spring Lime	11550		
Bone Spring 3rd	12150		
Wolfcamp	12590		
Strawn	14233		

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

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Top (MD)	Bottom (MD)	Top (TVD)	Bottom (TVD)
17 1/2	13 3/8	54.5	J-55	BTC	0	885 MD	0	885 TVD
12 1/4	10 3/4	45.5	J-55	BTC SC	0	5100 MD	0	5100 TVD
9 7/8	8 5/8	32.0	P110	Sprint FJ	0	12875 MD	0	12875 TVD
7 7/8	5 1/2	20.0	P110	DWC/C-IS PLUS	0	23484 MD	0	10965 TVD

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

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	728	Surf	13.0	1.4	Lead: Class C Cement + additives
Int 1	1097	Surf	9.0	1.9	Lead: Class C Cement + additives
Int I	101	4600	13.0	1.4	Tail: Class H / C + additives
Int 2	529	Surf	9.0	3.3	Lead: Class C Cement + additives
Int 2	124	11875	13.0	1.4	Tail: Class H / C + additives
Int 2	431	Surf	13.0	1.9	2nd Stage: Bradenhead Squeeze - Lead:Class C Cement + additives
Intermediate	332	Surf	9.0	1.9	Lead: Class C Cement + additives
Squeeze	544	7950	13.0	1.4	Tail: Class H / C + additives
D 1 .:	32	10000	9.0	3.3	Lead: Class H /C + additives
Production	1718	10500	13.0	1.4	Tail: Class H / C + additives

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. The final cement top will be verified by Echo-meter. Devon will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program. Devon will report to the BLM the volume of fluid (limited to 1 bbls) used to flush intermediate casing valves following backside cementing procedures.

Casing String	% Excess
Surface	50%
Intermediate and Intermediate 1	30%
Production	10%

4. Pressure Control Equipment (Four String Design)

4. I ressure Control Equipment (For	ir string z t																																			
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	Bline	d Ram	X																															
IIIL I	13-3/6	3101	Pipe	Ram		5M																														
			Doub	le Ram	X	3101																														
			Other*			1																														
	13-5/8"		Annular Blind Ram	nular	X	50% of rated working pressure																														
Int 2		13-5/8" 10M		1014	Blind	d Ram	X																													
IIIt 2			13-3/6	13-3/8	13-3/8 10101	TUM	TUIVI	. 3-3/6 TUNI	TOW	78 101VI	, I TOWI	TOW	TOW	78 10101	78 TOW	Pipe Ram Double Ra	TOW	TOW	13-3/6 10101	3-3/6 10W	TOW	TOW	10101	10101	10101	10101	10101	10101	TOW	TOWI	10101	TOW	Pipe	Ram		10M
								·									le Ram	X	TOWI																	
			Other*																																	
										Annul	ar (5M)	X	50% of rated working pressure																							
Production	13-5/8"	5M	Bline	d Ram	X																															
	13-3/8		3/8 31/1	Pipe	Ram		5M																													
				Doub	le Ram	X	5101																													
			Other*																																	

5. Mud Program (Four String Design)

Section	Туре	Weight (ppg)
Surface	WBM	8.5-9
Intermediate 1	DBE / Cut Brine	10-10.5
Intermediate 2	WBM	8.5-9
Production	WBM	8.5-9

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

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

6. Logging and Testing Procedures

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.					
X	Coring? If yes, explain. Whole core from approximately 11,783' - 12,153'.					

Additiona	al logs planned	Interval
X	Resistivity	Intermediate & Pilot Hole
X	Density	Intermediate & Pilot Hole
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	5131
Abnormal temperature	No

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

Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR 3176.. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N	Ī	H2S is present
Y		H2S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

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

Attachments	}
X	Directional Plan
	Other, describe

North Blondie 3-15 Fed Com 6H

9. Pilot Hole

Hole Size 7 7/8"							
From	То						
12,875 (Pilot Begin)	14,433 (Pilot end)						

- Pilot hole will be plugged back per NMOCD P&A requirements with a cement plug.
- Plug depths will be verified and tagged on the plug back.
- Devon will contact the NMOCD and give notice before performing any of the aforementioned procedures including the tagging of the cement plug. Contact BLM when tagging the plugs.

DILOT HOLE A	DANDONIMENT	1
<u>PILOT HOLE A</u>		
Pilot Hole AF		
Slurry Top:	12,625	12,314 ft
Slurry Base:	12,925	
Slurry Weight:	15.6	
Cement Plug	-300'	611 ft
Height:	300	OIII
Strawn AB	DMNT plug	
Slurry Top:	-14,000-	13,941 ft
Slurry Base:	14,300	
Slurry Weight:	15.6	
Cement Plug	-3002	342 ft
Height:	300	J42 It
Whipstock	Set Depths	
Whip Set Depth	10,500	
Whip	10 475 10 495	
Window	10,475-10,485	
·	·	

Sturry Top:	1-2,	525-	12,314 ft	
Slurry Base:	12,9	925		
Slurry Weight:	15	5.6		
Cement Plug	-30	θ2	611 ft	
Height:			01110	
Strawn AB	DMNT p	lug		
Slurry Top:	-14-,6	900-	13,941 ft	
Slurry Base:	14,	300		
Slurry Weight:	15	5.6		
Cement Plug	-30	Ω2	342 ft	
Height:	30		J42 It	
Whipstock	Set Dept	ths		
Whip Set Depth	10,:	500		
Whip	10 475	-10,485		
Window	10,473	-10,403		
·				
		Wt	H ₂ 0	Sacks

	TOC	Wt. (lb/gal)	H ₂ 0 (gal/sk)	Sacks	Yld (ft3/sack)	Slurry Description
Abandonment Plug (Pilot Hole)	12,314 ft -12,625 -	15.6	5.24	178 -98	1.18	 Lead: Class H Cement + Retarder – HR-601 – 0.1% BWOC Suspension Agent – SA- 1015 – 0.05% BWOC Fluid Loss Additive – Halad-322 – 0.5% BWOC

	TOC	Wt. (lb/gal)	H ₂ 0 (gal/sk)	Sacks	Yld (ft3/sack)	Slurry Description
Abandonment Plug (Strawn)	13,941 ft -14,000-	15.6	5.24	98 86-	1.18	 Lead: Class H Cement + Retarder – HR-601 – 0.1% BWOC Suspension Agent – SA- 1015 – 0.05% BWOC Fluid Loss Additive – Halad-322 – 0.5% BWOC

North Blondie 3-15 Fed Com 6H

	S	surface csg in a	17 1/2 i	nch hole.		Design I	-actors			Surface		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	54.50		j 55	btc	16.48	2.54	0.98	950	7	1.64	4.81	51,77
"B"				btc				0				0
	w/8	3.4#/g mud, 30min Sfc Csg Test ps	sig: 1,496	Tail Cmt	does not	circ to sfc.	Totals:	950				51,77
omparison o	of Proposed to	Minimum Required Cemen	t Volumes									
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Di
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-C
17 1/2	0.6946	728	1019	660	54	9.00	1660	2M				1.56
ırst Frac Grac	dient(s) for Seg	ment(s) A, B = , b All > 0.70), OK.									
		·										
10 3/4		sing inside the	13 3/8			Design I				Int 1		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	а-В	a-C	Weigl
"A"	45.50		j 55	btc sc	2.18	0.75	0.59	5,100	1	1.12	1.26	
"B"								0				0
	w/8	3.4#/g mud, 30min Sfc Csg Test ps	sig: 281				Totals:	5,100				232,0
		The cement vo	lume(s) are intend	ed to achieve a top of	0	ft from su	rface or a	950				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min D
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-C
12 1/4	0.1882	1198	2226	1007	121	10.50	3187	5M				0.50
V Tool(s):							sum of sx	Σ CuFt				Σ%exce
lass 'C' tail cm		#VALUE! ment(s): A, B, C, D = 0.7, b, c,	#VALUE! d All > 0.70, OK.				1198	2226				121
lass 'C' tail cm	dient(s) for Seg	ment(s): A, B, C, D = 0.7, b, c,	d All > 0.70, OK.					2226		L 2		121
ass 'C' tail cm urst Frac Grac 8 5/8	dient(s) for Seg	ment(s): A, B, C, D = 0.7, b, c,		Coupling		Design Fac	ctors		D.O.	Int 2		
urst Frac Grac 8 5/8 Segment	dient(s) for Seg ca #/ft	ment(s): A, B, C, D = 0.7, b, c,	d All > 0.70, OK.	Coupling	Joint	Collapse	ctors Burst	Length	B@s	а-В	a-C	Weig
urst Frac Grac 8 5/8 Segment "A"	dient(s) for Seg	ment(s): A, B, C, D = 0.7, b, c,	d All > 0.70, OK.	Coupling vam sprint fj	Joint 1.81		ctors	Length 12,875	B@s			Weigl 412,00
8 5/8 Segment "A" "B"	dient(s) for Seg ca #/ft	ment(s): A, B, C, D = 0.7, b, c,	d All > 0.70, OK.	• •		Collapse	ctors Burst	Length 12,875 0		а-В		Weig 412,0
8 5/8 8 5/8 Segment "A" "B" "C"	dient(s) for Seg ca #/ft	ment(s): A, B, C, D = 0.7, b, c,	d All > 0.70, OK.	• •		Collapse	ctors Burst	Length 12,875 0		а-В		Weig 412,0 0
ass 'C' tail cm urst Frac Grace 8 5/8 Segment "A"	dient(s) for Seg ca #/ft 32.00	ment(s): A, B, C, D = 0.7, b, c, sing inside the Grade	d All > 0.70, OK.	• •		Collapse	ctors Burst 1.19	Length 12,875 0 0		а-В		Weigl 412,00 0 0
8 5/8 8 6egment "A" "B" "C"	dient(s) for Seg ca #/ft 32.00	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps	d All > 0.70, OK. 10 3/4 p 110	vam sprint fj	1.81	Collapse 0.66	Ctors Burst 1.19 Totals:	Length 12,875 0 0 12,875		а-В	1.26	Weig 412,0 0 0 0 412,0
lass 'C' tail cm urst Frac Grac 8 5/8 Segment "A" "B" "C"	dient(s) for Seg ca #/ft 32.00	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol	d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend	vam sprint fj	1.81	Collapse 0.66	Etors Burst 1.19 Totals:	Length 12,875 0 0 12,875 5100		а-В	1.26	Weigl 412,00 0 0 412,00 overlap.
lass 'C' tail cm urst Frac Grace 8 5/8 Segment "A" "B" "C" "D"	ca #/ft 32.00 w/8	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage	d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage	vam sprint fj ed to achieve a top of Min	1.81 0 1 Stage	Collapse 0.66	Totals:	Length 12,875 0 0 12,875 5100 Req'd		а-В	1.26	Weig 412,00 0 0 412,00 overlap.
lass 'C' tail cm urst Frac Grac 8 5/8 Segment "A" "B" "C" "D"	ca #/ft 32.00 w/8	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx	d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt	vam sprint fj ed to achieve a top of Min Cu Ft	0 1 Stage % Excess	Collapse 0.66 ft from su Drilling Mud Wt	Totals: rface or a Calc MASP	Length 12,875 0 0 12,875 5100 Req'd BOPE		а-В	1.26	Weigl 412,00 0 0 412,00 overlap. Min Di Hole-C
85/8 85/8 Segment "A" "B" "C" "D"	dient(s) for Seg ca #/ft 32.00 w/8 Annular Volume 0.1261	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 1.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876	d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt 1392	vam sprint fj ed to achieve a top of Min	1.81 0 1 Stage	Collapse 0.66	Totals: rface or a Calc MASP 2714	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M		а-В	1.26	Weigl 412,00 0 0 412,00 overlap. Min Di Hole-C
8 5/8 8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8	w/8 Annular Volume 0.1261	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 llume(s) are intend 1 Stage CuFt Cmt 1392 s): 7950	vam sprint fj ed to achieve a top of Min Cu Ft	0 1 Stage % Excess	Collapse 0.66 ft from su Drilling Mud Wt	Totals: rface or a Calc MASP 2714 sum of sx	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M Σ CuFt		а-В	1.26	Weigi 412,00 0 0 412,00 overlap. Min Di Hole-C 0.61 Σ%exce
lass 'C' tail cm urst Frac Grac 8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8	ca #/ft 32.00 w/8 Annular Volume 0.1261	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt 1392	vam sprint fj ed to achieve a top of Min Cu Ft	0 1 Stage % Excess	Collapse 0.66 ft from su Drilling Mud Wt	Totals: rface or a Calc MASP 2714	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M		а-В	1.26	Weig 412,0 0 0 412,0 overlap. Min Di Hole-C
8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8	ca #/ft 32.00 w/8 Annular Volume 0.1261	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 llume(s) are intend 1 Stage CuFt Cmt 1392 s): 7950	vam sprint fj ed to achieve a top of Min Cu Ft	0 1 Stage % Excess	Collapse 0.66 ft from su Drilling Mud Wt	Totals: rface or a Calc MASP 2714 sum of sx	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M Σ CuFt		а-В	1.26	Weigi 412,00 0 0 412,00 overlap. Min Di Hole-C 0.61 Σ%exce
85/8 85/8 Segment "A" "B" "C" "D" Hole Size 9 7/8 % excess class 'C' tail cm	ca #/ft 32.00 w/8 Annular Volume 0.1261	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 llume(s) are intend 1 Stage CuFt Cmt 1392 s): 7950	vam sprint fj ed to achieve a top of Min Cu Ft	0 1 Stage % Excess	Collapse 0.66 ft from su Drilling Mud Wt	Totals: rface or a Calc MASP 2714 sum of sx	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M Σ CuFt		а-В	1.26	Weigi 412,00 0 0 412,00 overlap. Min Di Hole-C 0.61 Σ%exce
85/8 85/8 Segment "A" "C" "D" Hole Size 97/8 % excess Llass 'C' tail cm	w/8 Annular Volume 0.1261 ss cmt by stage tit yld > 1.35	ment(s): A, B, C, D = 0.7, b, c, ssing inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt 1392 7950 15	vam sprint fj ed to achieve a top of Min Cu Ft	0 1 Stage % Excess	ft from su Drilling Mud Wt 9.00	Totals: rface or a Calc MASP 2714 sum of sx 1507	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M Σ CuFt		a-B 2.24	1.26	Weigi 412,00 0 412,00 overlap. Min Di Hole-C 0.61 Σ%exce 56
8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8 % excess Tail cmt 5 1/2	w/8 Annular Volume 0.1261 ss cmt by stage the yld > 1.35	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 1.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 llume(s) are intend 1 Stage CuFt Cmt 1392 s): 7950	vam sprint fj ed to achieve a top of Min Cu Ft 1665	0 1 Stage % Excess -16	ft from su Drilling Mud Wt 9.00	Totals: rface or a Calc MASP 2714 sum of sx 1507	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M ΣCuFt 2591	1	a-B 2.24	1.26	Weigl 412,00 0 0 412,00 overlap. Min Di Hole-Ci 0.61 Σ%exce
8 5/8 8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8 % excess 'C' tail cmt 5 1/2 Segment	ca #/ft 32.00 w/8 Annular Volume 0.1261 ss cmt by stage at yld > 1.35	ment(s): A, B, C, D = 0.7, b, c, ssing inside the Grade 4.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt 1392 s): 7950 15	vam sprint fj ed to achieve a top of Min Cu Ft 1665	0 1 Stage % Excess -16	Collapse 0.66 ft from su Drilling Mud Wt 9.00 Design I Collapse	Totals: rface or a Calc MASP 2714 sum of sx 1507	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M Σ CuFt 2591	1 B@s	a-B 2.24 Prod 1 a-B	1.26	Weigi 412,00 0 412,00 0 verlap. Min Di Hole-C 0.61 Σ%exce 56
8 5/8 8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8 % excess 'C' tail cmt 5 1/2 Segment "A"	w/8 Annular Volume 0.1261 ss cmt by stage the yld > 1.35	ment(s): A, B, C, D = 0.7, b, c, using inside the Grade 1.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(d All > 0.70, OK. 10 3/4 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt 1392 7950 15	vam sprint fj ed to achieve a top of Min Cu Ft 1665	0 1 Stage % Excess -16	ft from su Drilling Mud Wt 9.00	Totals: rface or a Calc MASP 2714 sum of sx 1507	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M ∑CuFt 2591 Length 23,484	1	a-B 2.24	1.26	Weigi 412,00 0 412,00 overlap. Min Di Hole-Cj 0.61 Σ%exce 56
8 5/8 8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8 % excess lass 'C' tail cm 5 1/2 Segment	w/8 Annular Volume 0.1261 ss cmt by stage at yld > 1.35 ca #/ft 20.00	ment(s): A, B, C, D = 0.7, b, c, Ising inside the Grade 3.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(124	d All > 0.70, OK. 10 3/4 p 110 p 110 sig: -613 lume(s) are intend 1 Stage CuFt Cmt 1392 s): 7950 15 8 5/8 p 110	vam sprint fj ed to achieve a top of Min Cu Ft 1665	0 1 Stage % Excess -16	Collapse 0.66 ft from su Drilling Mud Wt 9.00 Design I Collapse	Totals: rface or a Calc MASP 2714 sum of sx 1507 Factors Burst 2.8	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M ∑CuFt 2591 Length 23,484 0	1 B@s	a-B 2.24 Prod 1 a-B	1.26	Weigl 412,00 0 412,00 overlap. Min Di Hole-C 0.61 Σ%exce 56
8 5/8 8 5/8 Segment "A" "B" "C" "D" Hole Size 9 7/8 % excess 'C' tail cmt 5 1/2 Segment "A"	w/8 Annular Volume 0.1261 ss cmt by stage at yld > 1.35 ca #/ft 20.00	ment(s): A, B, C, D = 0.7, b, c, Ising inside the Grade 3.4#/g mud, 30min Sfc Csg Test ps The cement vol 1 Stage Cmt Sx 876 Setting Depths for D V Tool(124 Ising inside the Grade	d All > 0.70, OK. 10 3/4 p 110 p 110 1 Stage CuFt Cmt 1392 s): 7950 15 8 5/8 p 110 sig: 2,412	vam sprint fj ed to achieve a top of Min Cu Ft 1665	0 1 Stage % Excess -16	Collapse 0.66 ft from su Drilling Mud Wt 9.00 Design I Collapse	Totals: rface or a Calc MASP 2714 sum of sx 1507 Factors Burst 2.8 Totals:	Length 12,875 0 0 12,875 5100 Req'd BOPE 3M ∑CuFt 2591 Length 23,484	1 B@s	a-B 2.24 Prod 1 a-B	1.26 a-C 4.45	Weig 412,0 0 0 412,0 overlap. Min Di Hole-C 0.61 Σ%exce 56

1 Stage Cmt Sx 1 Stage Min 1 Stage Drilling Min Dist Hole Annular Calc Req'd Size Volume CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-Cplg 0.79 7 7/8 0.1733 1750 2511 1874 34 9.00 Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX.

Carlsbad Field Office 2/15/2024

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

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 314902

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	314902
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By		Condition Date
pkautz	None	3/14/2024