

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMM3620

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other *Matador*

8. Well Name and No.  
HANNIFIN FED # 2

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: TAMMY R LINK

Email: tlink@matadorresources.com

9. API Well No.  
30-015-22960-00-S1

3a. Address

333 WEST SHERIDAN AVENUE  
OKLAHOMA, OK 73102

3b. Phone No. (include area code)

Ph: 575-627-2465

10. Field and Pool or Exploratory Area

SHUGART  
*Greenwood Wolfcamp*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T19S R31E SWNW 1980FNL 660FWL

11. County or Parish, State

EDDY COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM Bond No. NMB0001079  
Surety Bond No. RLB0015172

See attached Sundry for intent to recomplete Hannifin Federal #2 and wellbore diagram.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 12 2018

*GC 12-17-18*  
Accepted for record - NMOCD

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #434134 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION COMPANY LP, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/12/2018 (18PP2616SE)

Name (Printed/Typed) TAMMY R LINK

Title PRODUCTION ANALYST

Signature (Electronic Submission)

Date 09/06/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By /s/ Jonathon Shepard

**Petroleum Engineer**  
**Carlsbad Field Office**

DEC 06 2018  
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

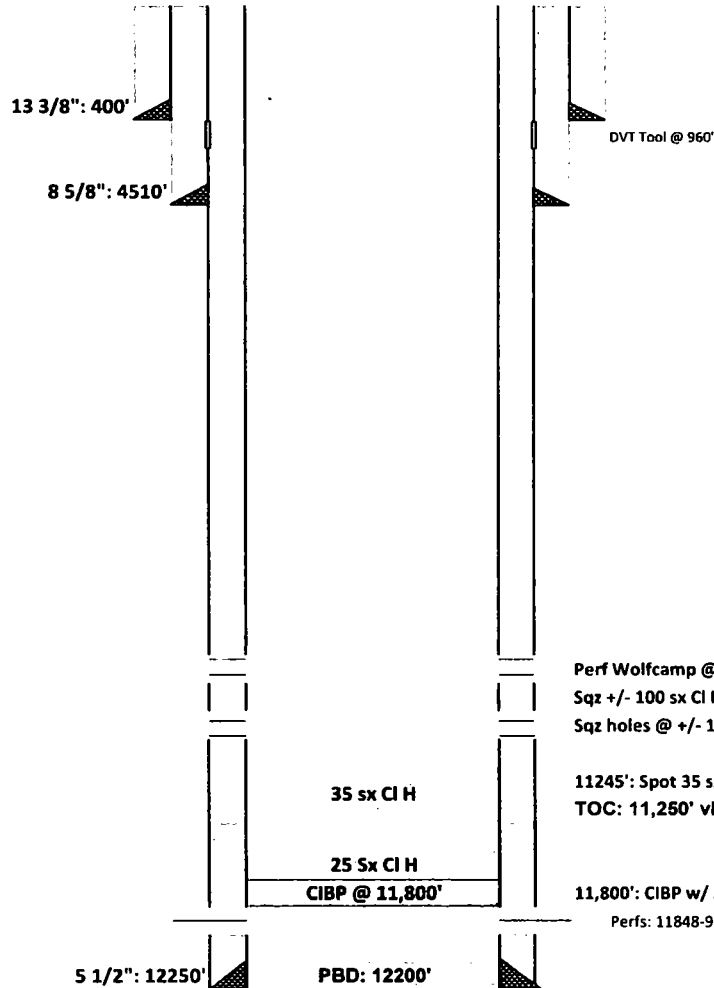
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*RWP 12-21-18*

Matador Production Company  
Hannifin Fed #2  
1-19S-31E; 1980' FNL & 660' FWL  
Eddy County, NM  
API: 30-015-22960  
**PROPOSED WELLBORE SCHEMATIC**  
Spudded: 1/15/1980



Perf Wolfcamp @ +/- 10200-300'. Frac  
Sqz +/- 100 sx CI H  
Sqz holes @ +/- 10400'

11245': Spot 35 sx CI H  
TOC: 11,250' via Temp Srvy

11,800': CIBP w/ 25sx CI H cmt  
Perfs: 11848-998'. Morrow. 5000 gal 10% MSR.  
3/27/1980

Casing Information						
	Hole Size	Casing Size	Type	Weight lb/ft	Joints	Depth Set
Surface	17 1/2	13 3/8	UKN	48	10	400
Intermediate	11	8 5/8	K55	24 & 32	UKN	4510
Production	7 7/8	4 1/2	N-80	13.5 & 11.6		12,250

4 1/2" Production String				
Description	Jts	Length	Top	Bottom
KB Connection	1	11.2	0	11
13.5# N80	40	2067.7	11	2,079
11.6# N80	194	8225.3	2,079	10,304
13.5# N80	45	1901.5	10,304	12,206
FC	1	1.6	12,206	12,207
13.5# N80	1	41.9	12,207	12,249
Shoe	1	0.8	12,249	12,250

Cementing Record	
Surface	300 sx CI H. Circulated to surface
Intermediate	1250 sx CI C. Circulated to surface
Production	300 sx CI H. TOC @ 11250' via temp survey 3/4/1980

Tubing		Geologic Markers	
Joints	378	Rustler	810
Diam.	2 3/8	Salt	980
Grade	L80	Yates	2,690
Weight	4.7	Seven Rvrs.	3,090
Packer on/off	11813 Baker L-10	Queen	3,733
		Grayburg	4,190
		Delaware	5,427
		Bone Spring	6,720
		Wolfcamp	10,060
		Strawn	10,907
		Atoka	11,195
		Morrow	11,510

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DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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OMB No. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. <b>NMNM 003620</b>
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>Matador Production Company</b>		7. If Unit of CA/Agreement, Name and/or No.
3a. Address <b>5400 LBJ Freeway, Suite 1500 Dallas TX 75240</b>		8. Well Name and No. <b>Hannifin Federal #2</b>
3b. Phone No. (include area code) <b>(972) 371-5400</b>		9. API Well No. <b>30-015-22960</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>E-01-19S-31E 1980 FNL 660 FWL</b>		10. Field and Pool or Exploratory Area <b>Shugart; Morrow (gas)</b>
		11. Country or Parish, State <b>Eddy, NM</b>

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
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Objective: Recomplete Wolfcamp (Greenwood Wolfcamp pool)

MIRU. Kill Well. Pull Pkr & tbq.

RIH w/ CIBP at set at 11,800. Spot 25 sx CIH on top of CIBP. WOC & Tag. Pressure test.

Spot 35 sx CIH at 11,245. (Atoka & Strawn). WOC & Tag.

RIH and perf sqz holes +/- 10,400. Sqz +/- 100 sx CIH cmt. Pressure Test. Verify TOC.

RIH at perforate Wolfcamp +/- 10,200-10,300'.

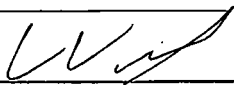
RIH w/ pkr and tbq. Frac Wolfcamp. Flow back. RWTP.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Chris Villarreal

Engineer  
Title

Signature



Date

09/03/2018

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

## 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

# **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

## **Conditions of Approval for Permanent Abandonment of a Production Zone**

1. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.
4. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the approved 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. In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement (or 35 feet with a bailer). Before pumping cement on top of CIBP, a tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary. Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.
5. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the plug back 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 work was completed. If plugging back to a new zone submit a Completion Report (Form 3160-4) with the Subsequent Report.
6. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
7. **If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:** From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

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