

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

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

**Carlsbad Field Office**  
**OCD Hobbs**

5. Lease Serial No.  
NMNM98826

6. Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
STRAY CAT 8 FED COM 1H

2. Name of Operator  
DEVON ENERGY PRODUCTION CO LP  
Contact: REBECCA DEAL  
Email: REBECCA.DEAL@DVN.COM

9. API Well No.  
30-025-42982-00-X1

3a. Address  
333 WEST SHERIDAN AVE  
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)  
Ph: 405-228-8429

10. Field and Pool, or Exploratory  
SAND DUNES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 8 T23S R32E SWSW 211FSL 660FWL

11. County or Parish, and State  
LEA COUNTY, NM

**12. CHECK 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"/> Fracture Treat	<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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy respectfully requests to change the production cement tail slurry. On the primary option, Devon will still use the 9ppg lead, but will use a 13.2ppg tail slurry instead of the 14.5 ppg tail slurry in the original APD.

Please see attached casing and cement design tables.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

**Electronic Submission #350045 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION CO LP, sent to the Hobbs  
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/09/2016 (16PP1106SE)**

Name (Printed/Typed) REBECCA DEAL Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/02/2016

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

Approved By MUSTAFA HAQUE Title PETROLEUM ENGINEER Date 09/28/2016

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 Hobbs

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.

**PECOS DISTRICT  
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Devon Energy Production Co., LP
LEASE NO.:	NMNM98826
WELL NAME & NO.:	Stray Cat 8 Fed Com 1H
SURFACE HOLE FOOTAGE:	211'/S & 660'/W
BOTTOM HOLE FOOTAGE:	290'/N & 360'/W
LOCATION:	Section 8, T.23 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

**A. CASING**

All previous COAs still apply except the following:

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.).

1. The minimum required fill of cement behind the 5-1/2 inch production casing is :

**Option #1 (Single Stage):**

- Cement as proposed by operator. Operator shall provide method of verification. Excess calculates to 23% - Additional cement might be required.

**Option #2:**

Operator has proposed DV tool at depth of 4700', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range.

a. First stage to DV tool:

- Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve approved top of cement on the next stage. Excess calculates to 24% - Additional cement might be required.

b. Second stage above DV tool:

Cement as proposed by operator. Operator shall provide method of verification.  
**Excess calculates to 15% - Additional cement will be required.**

4. 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.

**MHH 09282016**

### Stray Cat 8 Fed Com 1H Production Cement Sundry Request

Devon Energy respectfully requests to change the production cement tail slurry. On the primary option, we will still use the 9ppg lead, but will use a 13.2ppg tail slurry instead of the 14.5 ppg tail slurry in the original APD. Attached are the casing and cement design tables.

#### Casing Design

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn .	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	1,075'	13.375"	48	H-40	STC	1.60	3.60	10.48
12.25"	0	3,400'	9.625"	36	J-55	LTC	1.15	1.66	1.97
12.25"	3,400'	4,650'	9.625"	40	J-55	BTC	1.18	1.81	3.10
8.75"	0	15,275'	5.5"	17	P-110	BTC	1.57	1.95	3.18
BLM Minimum Safety Factor							1.125	1.00	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

#### Cement Program

Casing	# Sks	Wt. lb/gal	H <sub>2</sub> O gal/sk	Yld ft <sup>3</sup> /sack	500# Comp. Strength (hours)	Slurry Description
5-1/2" Prod	540	9	13.65	3.43	12	Lead: NeoCem™
	1125	13.2	7.18	1.43	6	Tail: NeoCem™
5-1/2" Prod	540	11	19.8	3.19	48	Lead: NeoCem™
	1125	13.2	7.18	1.43	6	Tail: NeoCem™
DV Tool = 4,700ft						
Two Stage	40	11	19.8	3.19	48	Lead: NeoCem™
	30	14.8	6.32	1.33	6	2 <sup>nd</sup> Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake

If a DV tool is ran, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
5-1/2" Production Casing	4,150'	25%
5-1/2" Production Casing Two Stage Option	1 <sup>st</sup> Stage = 4700' / 2 <sup>nd</sup> Stage = 4150'	25%

- Low Cement.  
SEE COM

- Low Cement.  
SEE COM