

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.  
NMLC069464A

6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA/Agreement, Name and/or No.  
NMNM127411

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
STRAWBERRY 7 FED COM 9H

2. Name of Operator  
DEVON ENERGY PRODUCTION CO

Contact: TRINA C COUCH  
Email: trina.couch@dvn.com

9. API Well No.  
30-015-41574-00-X1

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

3b. Phone No. (include area code)  
Ph: 405-228-7203

10. Field and Pool, or Exploratory  
HACKBERRY

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

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

Sec 7 T19S R31E NESE 1500FSL 340FEL  
32.674918 N Lat, 103.900102 W Lon

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 A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

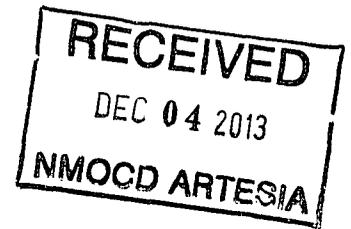
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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 Production Company, L.P. respectfully requests permission to add a DV Tool and External Casing Packer to the 13-3/8" surface casing string due to a void drilled from 275'-290', which caused total losses of circulation. Lost-Circulation Material sweeps were utilized to heal the hole while drilling continued to Surface TD and currently circulating at approximately half partial returns. Devon recommends a DV Tool Placed on the 13-3/8", 48 ppf, H-40, STC surface casing with the top of the DV Tool from 206' to 209', and the External Casing Packer immediately below from 209' to 234'.

Attached, please find the updated Drilling Well Plan with corrected depths, cement slurry descriptions and cement slurry volumes

Thank you.

Accepted for record  
NMOCD 109 12/4/2013



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

**Electronic Submission #228325 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad  
Committed to AFMSS for processing by CHRISTOPHER WALLS on 12/02/2013 (14CRW0157SE)**

Name (Printed/Typed) TRINA C COUCH	Title REGULATORY ASSOCIATE
Signature (Electronic Submission)	Date 12/02/2013

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

Approved By <u>CHRISTOPHER WALLS</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>12/02/2013</u>
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 <u>Carlsbad</u>

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.

Strawberry 7 Fed Com 9H– APD DRILLING PLAN

SKS 02-22-2013

AAA 11-30-2013 (revision for addition of DVT/ECP on 13-3/8” Surface Csg)

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2”	0 - 575	13-3/8”	0 - 575	48#	STC	H-40
12-1/4”	575 - 3100	9-5/8”	0 - 3100	36#	LTC	J-55
8-3/4”	3100 - 7378	5-1/2”	0 - 7378	17#	LTC	P-110
8-3/4”	7378 - 12335	5-1/2”	7378 - 12335	17#	BTC	P-110

Note: only new casing will be utilized

MAXIMUM LATERAL TVD 7,975

Design Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13-3/8”	3.36	7.54	23.00
9-5/8”	1.59	2.45	4.05
5-1/2” 17# P-110 LTC	2.48	3.08	2.12
5-1/2” 17# P-110 BTC	2.30	2.85	5.28

Mud Program:

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 - 575	8.4 – 9.0	30 – 34	N/C	FW
575 - 3100	9.8 – 10.0	28 – 32	N/C	Brine
3100 - 12335	8.6 – 9.0	28 – 32	N/C	FW

Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8” Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2, a 3M system will be installed and tested prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8” Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 a 3M system will be installed prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller’s log. A 2” kill line and 3” choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line); if an H&P rig drills this well. Otherwise no flex line is needed. The line will be kept as straight as possible with minimal turns.

**Cementing Program changes for Surface Casing due to loss returns while drilling and the addition of a Stage Tool and External Packer (cement volumes calculated with 100% excess)**

13-3/8" Surface 575 ft

**1st Stage**

**Lead:** 211 sacks (60:40) Poz (Fly Ash) Class C Cement:Poz (Fly Ash): + 5% bwoc Sodium Chloride + 0.25 lbs/sack CelloFlake + 1% bwoc Sodium Metasilicate; Mix Water Required is 8.90 gps, 90.5% Fresh Water, 12.6 ppg

**Yield:** 1.76 cf/sk

**Tail:** 200 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake; Mix Water Required is 6.36 gps, 56.4% Fresh Water, 14.8 ppg

**Yield:** 1.34 cf/sk

**TOC @ DV Tool set at 208'**

**2nd Stage**

**Cement Slurry:** 215 sacks Class C Cement + 2% bwoc Calcium Chloride; Mix Water Required is 6.36 gps, 56.4% Fresh Water, 14.8ppg

**Yield:** 1.34 cf/sk

**TOC @ Surface**