

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM012121
2. Name of Operator DEVON ENERGY PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: TRINA C COUCH Email: trina.couch@dmv.com		7. If Unit or CA/Agreement, Name and/or No. 891005247X
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-228-7203	8. Well Name and No. COTTON DRAW UNIT 167H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T24S R31E NESW 2310FSL 2200FWL		9. API Well No. 30-015-41385-00-S1
		10. Field and Pool, or Exploratory PADUCA
		11. County or Parish, and State EDDY 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	
	<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 recompleat 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 recompleat 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.)

The Cotton Draw Unit 167H (API: 30-015-41385) has a low TOC on the production casing. Devon believes a bradenhead squeeze will be required to bring the well back into spec for the COA's. A CBL and WBD have been submitted to the BLM.

9-5/8" Intermediate Shoe: 4485'  
Needed 5-1/2" TOC: 3985'  
Current 5-1/2" TOC: 5325'

Devon Energy Production Co. L.P. respectfully recommends the following procedure to bring the well back into spec:

1. MIRU PU. POOH w/ESP. RIH set RBP at ~6500'. RDMOL PU.

RECEIVED

MAY 12 2014

Accepted for record

NMOC D 105  
5-14-14

NMOC D ARTESIA

APPROVED

MAY 6 2014

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #244626 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Hobbs Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/06/2014 (14DLM1400SE)</b>	
Name (Printed/Typed) TRINA C COUCH	Title REGULATORY ASSOCIATE
Signature (Electronic Submission)	Date 05/06/2014

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>EDWARD FERNANDEZ</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>05/06/2014</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 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.

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

## Additional data for EC transaction #244626 that would not fit on the form

### 32. Additional remarks, continued

2. Establish an injection rate and pressure down the 9-5/8" x 5-1/2" annulus. Record information and send to engineer.
3. MIRU HES cement crew. Perform bradenhead squeeze not to exceed 1000 psi and/or 5 BPM. Pump the following slurry:
  - a. 10 bbl fresh water
  - b. 1000 gal SuperFlush
  - c. 10 bbl fresh water
  - d. 250 sx, 12.9 ppg, Halliburton Light Cement, (65% Class C, 35% poz), 1.85 cf/sx
  - e. 200 sx, 14.8 ppg, Class C w/ 1% CaCl<sub>2</sub>, 1.34 cf/sx
  - f. Flush volumes determined:
    - I. If well goes on vacuum during cement job - flush with 50 bbl water
    - II. If well has pressure during job - flush with 125 bbl water
4. Shut well in for 48 hours
5. MIRU WL. Run CBL @ 1000 psi from RBP to 500' above TOC. Repeat entire run w/o psi. Confirm new TOC. RDMOL WL. Send CBL to engineer and BLM.
6. Pressure test and chart record annulus to 1000 psi hold for 30 minutes. Send to engineer and BLM.

Devon believes this procedure will bring the well back into spec for the COA's.

	OPERATOR: <b>DEVON ENERGY</b>		LEASE / WELL: <b>CDU 167H</b>		Section, Township, Range: <b>Sect 25-24S-31E</b>		WELL SKETCH: <b>PROPOSED COMPLETION</b>	
	DRILLING RIG: <b>H&amp;P 214</b>		COUNTY / STATE: <b>Eddy, NM</b>		SURFACE LOCATION: <b>2310 FSL &amp; 2200 FWL</b>		FIELD: <b>Paduca Field</b>	
	COMPLETION RIG:							

  

DIRECTIONAL DATA		TUBULAR DATA						WELLHEAD DATA																																																													
KOP: 7531		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Tubulars</th> <th>Size</th> <th>Weight</th> <th>Grade</th> <th>Thread</th> <th>TVD</th> <th>MD</th> </tr> <tr> <td>DRIVE PIPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CONDUCTOR</td> <td>20"</td> <td>94.0</td> <td>H-40</td> <td>Welded</td> <td>165</td> <td>165</td> </tr> <tr> <td>SURFACE</td> <td>13-3/8"</td> <td>48.0</td> <td>H-40</td> <td>STC</td> <td>792</td> <td>792</td> </tr> <tr> <td>INTERMEDIATE</td> <td>9-5/8"</td> <td>40.0</td> <td>K/J-55</td> <td>ST&amp;C</td> <td>4,485</td> <td>4,485</td> </tr> <tr> <td>PRODUCTION</td> <td>5-1/2"</td> <td>20.00</td> <td>P-110</td> <td>DWC/C</td> <td>8,227</td> <td>14,705</td> </tr> </table>						Tubulars	Size	Weight	Grade	Thread	TVD	MD	DRIVE PIPE							CONDUCTOR	20"	94.0	H-40	Welded	165	165	SURFACE	13-3/8"	48.0	H-40	STC	792	792	INTERMEDIATE	9-5/8"	40.0	K/J-55	ST&C	4,485	4,485	PRODUCTION	5-1/2"	20.00	P-110	DWC/C	8,227	14,705	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TYPE</th> <th>FLANGE:</th> </tr> <tr> <td>WP</td> <td></td> </tr> <tr> <td>T</td> <td></td> </tr> <tr> <td>R</td> <td></td> </tr> <tr> <td>C</td> <td></td> </tr> <tr> <td>A</td> <td></td> </tr> <tr> <td>P</td> <td></td> </tr> <tr> <td>E</td> <td></td> </tr> <tr> <td>E</td> <td></td> </tr> </table>		TYPE	FLANGE:	WP		T		R		C		A		P		E		E	
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MAX DEV: DEV @ PERFS: DEV @ PERFS: DEV @ PERFS:		CEMENTING DATA: SURFACE: 13-3/8" Tail cmt'd with 350 sx, C, 13.5 ppg, 1.73 cu ft/sx, 250sx, C, 14.8 ppg, 1.34 yield, cmt to surface; INTERMEDIATE: 9-5/8" Lead cmt with 1300 sx, 12.6 ppg, 1.73 cu ft/sx, Class C Tail cmt with 475 sx, 13.8 ppg, 1.38 cu ft/sx, cmt to surface; Stage 2 Lead: 1250 sx, C, 12.8 1.62 yield, Tail: 150 sx C, 13.8 ppg, 1.38 yield, Est cmt top @ 960'. 1" Bradenhead squeeze to surface. PROD: 5-1/2" 1st Stage: Lead cmt with 418 sx, 2.01 cu ft/sx, 12.5 ppg, H; Tail cmt with 2928 sx, 1.28 cu ft/sx, 14.2 ppg H. Full returns. Closed DV tool w/o pumping cmt through it.						TUBING HANGER: BTM FLANGE: BPV PROFILE: ELEVATIONS: RKB: 25 RKB-ELEV: 3,270																																																													
DRILLING / COMPLETION FLUID DRILLING FLUID: ppg - DRILLING FLUID: ppg - DRILLING FLUID: ppg - COMPLETION FLUID: ppg - PACKER FLUID: ppg -								GROUND ELEVATION 3,245																																																													

  

PROPOSED WELLBORE SKETCH

EQUIPMENT DESCRIPTION	OD	ID	LENGTH	DEPTH TVD	INCL DEG	DEPTH MD
20" Conductor Casing 94#, H-40, Welded	20"	19"		165		165
Conductor Hole						165
13-3/8" Surface Casing 48#, H-40, STC	13-3/8"	12.715		4,485		792
17.5" Hole	17.5"					792
9-5/8" Intermediate Casing 40.0#, K-55, BTC	9-5/8"	8.835"		4,485		4,485
8.75" Hole	12.25"					4,485
DV Tool				6,001		6,001
Marker Joints: 7331-7353 8797-8820 13994-14018						
Whipstock (for sidetrack)				7,531.00		7,531.00
5-1/2" Production Casing 20#, P-110, DWC/C	5-1/2"	4.892		8,227		14,705
Production Hole	8.75"			8,227		14,732
COMMENTS: API # 30-015-41385						
Spud 41468; RR 41526				8,227		14,655
Delaware				8,227		14,732
DRAWING NOT TO SCALE						
PLUG BACK DEPTH:				8,227		14,655
TOTAL WELL DEPTH:				8,227		14,732
PREPARED BY: Dan McCorkell						
DATE: 9/18/2013						
Updated:						

  

15 Stages - Plug and Perf - see attached sheet for details

  

<b>Stage 5</b> 12955' - 12957'; 12 shots 12850' - 12852'; 12 shots 12745' - 12747'; 12 shots 12640' - 12642'; 12 shots	<b>Stage 4</b> 13375' - 13377'; 12 shots 13270' - 13272'; 12 shots 13165' - 13167'; 12 shots 13060' - 13062'; 12 shots	<b>Stage 3</b> 13795' - 13797'; 12 shots 13690' - 13692'; 12 shots 13585' - 13587'; 12 shots 13480' - 13482'; 12 shots	<b>Stage 2</b> 14215' - 14217'; 12 shots 14110' - 14112'; 12 shots 14005' - 14007'; 12 shots 13900' - 13902'; 12 shots	<b>Stage 1</b> 14635' - 14637'; 12 shots 14530' - 14532'; 12 shots 14425' - 14427'; 12 shots 14320' - 14322'; 12 shots
<b>Stage 10</b> 10855' - 10857'; 12 shots 10750' - 10752'; 12 shots 10645' - 10647'; 12 shots 10540' - 10542'; 12 shots	<b>Stage 9</b> 11275' - 11277'; 12 shots 11170' - 11172'; 12 shots 11065' - 11067'; 12 shots 10960' - 10962'; 12 shots	<b>Stage 8</b> 11695' - 11697'; 12 shots 11590' - 11592'; 12 shots 11485' - 11487'; 12 shots 11380' - 11382'; 12 shots	<b>Stage 7</b> 12115' - 12117'; 12 shots 12010' - 12012'; 12 shots 11905' - 11907'; 12 shots 11800' - 11802'; 12 shots	<b>Stage 6</b> 12535' - 12537'; 12 shots 12430' - 12432'; 12 shots 12325' - 12327'; 12 shots 12220' - 12222'; 12 shots
<b>Stage 15</b> 8755' - 8757'; 12 shots 8650' - 8652'; 12 shots 8545' - 8547'; 12 shots 8440' - 8442'; 12 shots	<b>Stage 14</b> 9175' - 9177'; 12 shots 9070' - 9072'; 12 shots 8965' - 8967'; 12 shots 8860' - 8862'; 12 shots	<b>Stage 13</b> 9595' - 9597'; 12 shots 9490' - 9492'; 12 shots 9385' - 9387'; 12 shots 9280' - 9282'; 12 shots	<b>Stage 12</b> 10015' - 10017'; 12 shots 9910' - 9912'; 12 shots 9805' - 9807'; 12 shots 9700' - 9702'; 12 shots	<b>Stage 11</b> 10435' - 10437'; 12 shots 10330' - 10332'; 12 shots 10225' - 10227'; 12 shots 10120' - 10122'; 12 shots

\* All clusters @ 60°, 0.42 EHD