

**N.M. Oil Cons. DIV-Dist. 2**  
**1301 W. Grand Avenue**  
**Artesia, NM 88210**

Form 3160-5  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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 ☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **HEC Petroleum, Inc.**

3a. Address  
**500 W. Illinois Midland, Texas 79701**

3b. Phone No. (include area code)  
**432 498-8662**

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

**1,310' FSL & 1,210' FWL  
UL M, Sec. 35, T-21-S, R-25-E**

5. Lease Serial No.  
**NM-029128**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA/Agreement, Name and/or No.  
**Catclaw Draw Unit 4876**

8. Well Name and No.  
**Catclaw Draw Unit # 20**

9. API Well No.  
**30-015-33883**

10. Field and Pool, or Exploratory Area  
**Catclaw Draw; Morrow (74320)**

11. County or Parish, State  
**EDDY County, New Mexico**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>1st Intermediate</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Casing/Cement</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<b>(PAGE 1)</b>

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 to 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.)

**1st Intermediate Casing/Cement (PAGE 1)**

On 11/19/2005, RIH w/41jts 9-5/8", 36#, J-55 csg & set @ 1,750' w/675sx (165 Bbls) Premium Plus "C" Foam cmt + 2% Zonesealant + 2% CaCl2 mixed @ 6.37GPS (Yld: 1.35ft3/sx, Wt: 14.8 PPG)-Lead, followed by 250sx (60 Bbls) Thixotropic "C" cmt + 2% CaCl2 mixed @ 6.37GPS (Yld: 1.35ft3/sx, Wt: 14.8 PPG)-Tail. Displace w/135 Bbls FW. Bumped plug w/500psi-floats held, no returns to surface. Pumped a top job w/350sx (84 Bbls) Premium Plus "C" Foam cmt + 2% CaCl2 + 2% Zonesealant mixed @ 6.37 GPS(Yld: 1.35ft3/sx, Wt: 14.8 PPG)-Lead, followed by 50sx (14 Bbls) Thixotropic "C" cmt w/2% CaCl2, 10% Cal-Seal 60 mixed @ 5.47 GPS(Yld: 1.57ft3/sx, Wt: 14.5 PPG)-Tail. Displaced w/2 Bbls FW + 3 Bbls sugar water. Shut down, well on vacuum. Stby for Temp Survey. On 11/20/2005, RU WL & run Temp Survey, survey indicates f/0'-100' slight cmt, 100'-1100' no cmt, 1100'-1550' washout. ND flowline valve, kill line valve, HCR valve etc. ND BOP & PU to remove csg slips. PU 1" pipe & TIH, set down @ 453'-unable to go deeper. TOH w/1" pipe. On 11/22/2005, RU Halliburton pump trk & RIH w/ 1" to 453'. 1" backside w/50sx (12 Bbls) "C" cmt + 2% CaCl2 mixed @ 6.37 GPS(Yld:1.25ft3/sx, Wt: 14.8 PPG) @ 453'. WOC, pull 1" out of hole. TIH w/ 1" to 453' & cmt backside of 9-5/8" csg w/50sx (112 Bbls) "C" cmt + 2% CaCl2 mixed @ 6.37 GPS(Yld: 1.25ft3/sx, Wt: 14.8 PPG). WOC. Pull 1" out of hole. On 11/23/2005, wash through bridge 28'-90'. On 11/24/2005, wash gravel f/28'-248', unable to go deeper. Talked w/Clark Bennett of BLM. He advised to go ahead & cmt well from 248' to surface, but must circulate cmt. to surface behind production string. RIH w/1" to 248', pump 10 Bbls FW ahead followed by 25 sx (6 Bbls) Premium Plus "C" cmt + 2% CaCl2 mixed @ 6.37 GPS(Yld: 1.35ft3/sx, Wt: 14.8 PPG). Circulated full 1.5 Bbls cmt to surface. RD Halliburton. Set slips on 9-5/8" csg (80,000# on slips). Cut csg & remove. Remove spacer spool, install B-Section. Test B-Section to 1600# (80%)-OK. CONTINUED ON PAGE 2

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

**Alan W. Bohling**

Title **Regulatory Agent**

Signature

*Alan W. Bohling*

Date

**12/07/2005**

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

Approved by

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

Office

**ACCEPTED FOR RECORD**

**JAN 10 2006**

**LES BABYAK  
PETROLEUM ENGINEER**

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED  
JAN 13 2006  
OCD-ARTESIA**

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**1st Intermediate Casing/Cement (PAGE 2)**

On 12/25/2005, test BOP Stack (blind rams, floor valves, upper & lower kelly valves, stand pipe, kelly hose etc.) to 250psi low & 5000psi high. Test annular to 250psi low & 3500psi high. Accumulator closing test. RD tester. Install wear bushing, PU new bit, 6pt reamer, short collar, IBS, DC, IBS. TIH to 1471'. PU DP off racks & wash from 1471'-1748'. Drill plug, float collar, cmt & float shoe @ 1750'. Continue drilg ahead.

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

**Alan W. Bohling**

Title **Regulatory Agent**

Signature

*Alan W. Bohling*

Date

**12/07/2005**

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