

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address RKI EXPLORATION & PRODUCTION 210 PARK AVE, STE 900, OKC, OK 73102		<sup>2</sup> OGRID Number 246289
		<sup>3</sup> Reason for Filing Code/ Effective Date AW RC
<sup>4</sup> API Number 30 - 015 - 37604	<sup>5</sup> Pool Name WC-015 S222931L; WOLFCAMP (GAS)	
<sup>7</sup> Property Code 38046	<sup>8</sup> Property Name 31 LONGVIEW DEEP FEDERAL 31	<sup>6</sup> Pool Code 98111 <sup>9</sup> Well Number 31

**II. <sup>10</sup> Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
LOT 3	31	22S	29E		1980	SOUTH	990	WEST	EDDY

**<sup>11</sup> Bottom Hole Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method GAS Code	<sup>14</sup> Gas Connection 11/13/2013 Date	<sup>15</sup> C-129 Permit Number na	<sup>16</sup> C-129 Effective Date na	<sup>17</sup> C-129 Expiration Date na				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
35246	Shell Trading US Company PO Box 4604, Houston, TX 77010	O
616195	Nuevo Midstream LLC 1331 Lamar, Ste 1450, Houston, TX 77010	G
NM OIL CONSERVATION ARTESIA DISTRICT NOV 19 2014 RECEIVED		

**IV. Well Completion Data**

<sup>21</sup> Spud Date 04/07/2012	<sup>22</sup> Ready Date 11/12/2013 (recom)	<sup>23</sup> TD 13,108'	<sup>24</sup> PBDT 12,400'	<sup>25</sup> Perforations 10,921-11,011'	<sup>26</sup> DHC, MC na
<sup>27</sup> Hole Size 8.750"	<sup>28</sup> Casing & Tubing Size 7" P-110 29#	<sup>29</sup> Depth Set 11,634'	<sup>30</sup> Sacks Cement 2 sks		

**V. Well Test Data (Recompletion)**

<sup>31</sup> Date New Oil 11/14/2013	<sup>32</sup> Gas Delivery Date 11/13/2013	<sup>33</sup> Test Date 12/10/2013	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 400	<sup>36</sup> Csg. Pressure 840
<sup>37</sup> Choke Size 64/64	<sup>38</sup> Oil 0	<sup>39</sup> Water 0	<sup>40</sup> Gas 209 mcf	<sup>41</sup> Test Method flowing	

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*Heather Brehm*

Printed name:

Heather Brehm

Title:

Regulatory Analyst

E-mail Address:

hbrehm@rkixp.com

Date:

11/17/2014

Phone:

405-996-5769

OIL CONSERVATION DIVISION

Approved by:

*Al Dado*  
11/15/15 Supervisor

Title:

Approval Date:

1/6/2015

Provide C-102 for pool 98111 : WC-015  
S222931L; Wolfcamp (Gas)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM61349

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator RKI EXPLORATION & PRODUCTION-Email: hbrehm@rkixp.com			8. Lease Name and Well No. LONGVIEW DEEP FEDERAL 31 31		
3. Address 210 PARK AVE STE 900 OKLAHOMA CITY, OK 73102			9. API Well No. 30-015-37604		
3a. Phone No. (include area code) Ph: 405-996-5769			10. Field and Pool, or Exploratory WOLFCAMP		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSW 1980FSL 990FWL 32.205063 N Lat, 104.014345 W Lon At top prod interval reported below NWSW 1980FSL 990FWL 32.205063 N Lat, 104.014345 W Lon At total depth NWSW 1980FSL 990FWL 32.205063 N Lat, 104.014345 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T22S R29E Mer NMP		
14. Date Spudded 04/07/2012			15. Date T.D. Reached 05/19/2012		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/12/2013			17. Elevations (DF, KB, RT, GL)* 3137 GL		
18. Total Depth: MD 13108 TVD 13108			19. Plug Back T.D.: MD 12400 TVD 12400		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CEMENT		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)					

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8.750	7.000 P110	29.0	0	11634	5032	2	0	90	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7440							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10921	11011	10921 TO 11011	3.130	33	ACTIVE
B)						
C)						
D)						

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10921 TO 11011	30# AQUA VIS, 15% HCL, DYNA-FRAC 30, WHITE, 20/40 SLC/LTR 1795 BBLs, TOTAL PROP 58,840 LB

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/13/2012	12/10/2013	24	→	0.0	209.0	0.0	52.0		GAS LIFT
Choke Size	Tbg. Press. Flwg. 400 SI	Csg. Press. 840.0	24 Hr. Rate →	Oil BBL 0	Gas MCF 209	Water BBL 0	Gas:Oil Ratio	Well c	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF
			→		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF

Pending BLM approvals will  
subsequently be reviewed  
and scanned  
8/20 1/6/15NM OIL CONSERVATION  
ARTESIA DISTRICT  
NOV 19 2014

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #279922 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* RECEIVED

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WOLFCAMP	9821	12442	GAS	RUSTLER	340
				TOP SALT	1980
				BTM SALT	2920
				DELAWARE	2959
				BELL CANYON	2950
				CHERRY CANYON	3930
				BRUSHY CANYON	5010
				BONE SPRING	6455

## 32. Additional remarks (include plugging procedure):

AVALON SAND 6540'  
WOLFCAMP 9821'  
MORROW 12442'

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #279922 Verified by the BLM Well Information System.  
For RKI EXPLORATION & PRODUCTION, sent to the Carlsbad

Name (please print) HEATHER BREHMTitle REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 11/17/2014

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMNM61349

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

LONGVIEW DEEP FEDERAL 31 31

2. Name of Operator

Contact: HEATHER BREHM

RKI EXPLORATION &amp; PRODUCTION E-Mail: hbrehm@rkixp.com

9. API Well No.

30-015-37604

3a. Address

210 PARK AVE STE 900  
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-996-5769  
Fx: 405-949-222310. Field and Pool, or Exploratory  
WOLFCAMP

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

Sec 31 T22S R29E Mer NMP NWSW 1980FSL 990FWL  
32.205063 N Lat, 104.014345 W Lon

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 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 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 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.)

**RECOMPLETION SUNDRY**

RKI Exploration &amp; Production LLC seek approval for the recompletion procedure on the subject well in the Wolfcamp formation.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Recompletion activities began on 10/01/2014

NOV 19 2014

10/02/14 RIH w/ 3.875" GR/JB tp 11,384'.  
SET CIBP @ 11,250'. 10' cement on top of CIBP.  
Pressure test 7" P-110 Casing to 8,500 psi. for 30 min.  
10/04/14 Perforate 11,011' - 11,015' & 10,921' - 10,928' Total 33 shots  
10/10/14 Frac; Test Pumps and Lines to 9,500 psi.**RECEIVED**

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

**Electronic Submission #279903 verified by the BLM Well Information System  
For RKI EXPLORATION & PRODUCTION, sent to the Carlsbad**

Name (Printed/Typed) HEATHER BREHM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/17/2014

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

Approved By

Title

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned  
AD 1/6/15

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.

Department or agency of the United States

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #279903 that would not fit on the form**

**32. Additional remarks, continued**

LTR 1795 bbls, Total prop 58,840 lb.  
10/14/14 Flowback  
10/16/14 Rig Released  
10/18/14 Swabbing  
10/24/14 Flowback Frac

Began Upgrade activities on 11/05/14  
11/06/14 Run Gas Lift Valves

Well is a producing gas well.