

**NM OIL CONSERVATION**

ARTESIA DISTRICT

Form C-102

Revised October 12, 2005

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

NOV 19 2014

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

RECEIVED

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

AMENDED REPORT

API Number 30-015-37604	Pool Code 98111	Pool Name * WOLFCAMP
Property Code 38046	Property Name LONGVIEW "31"	Well Number 31
OGRD No. 246289	Operator Name RKI EXPLORATION & PRODUCTION LLC	Elevation 3137'

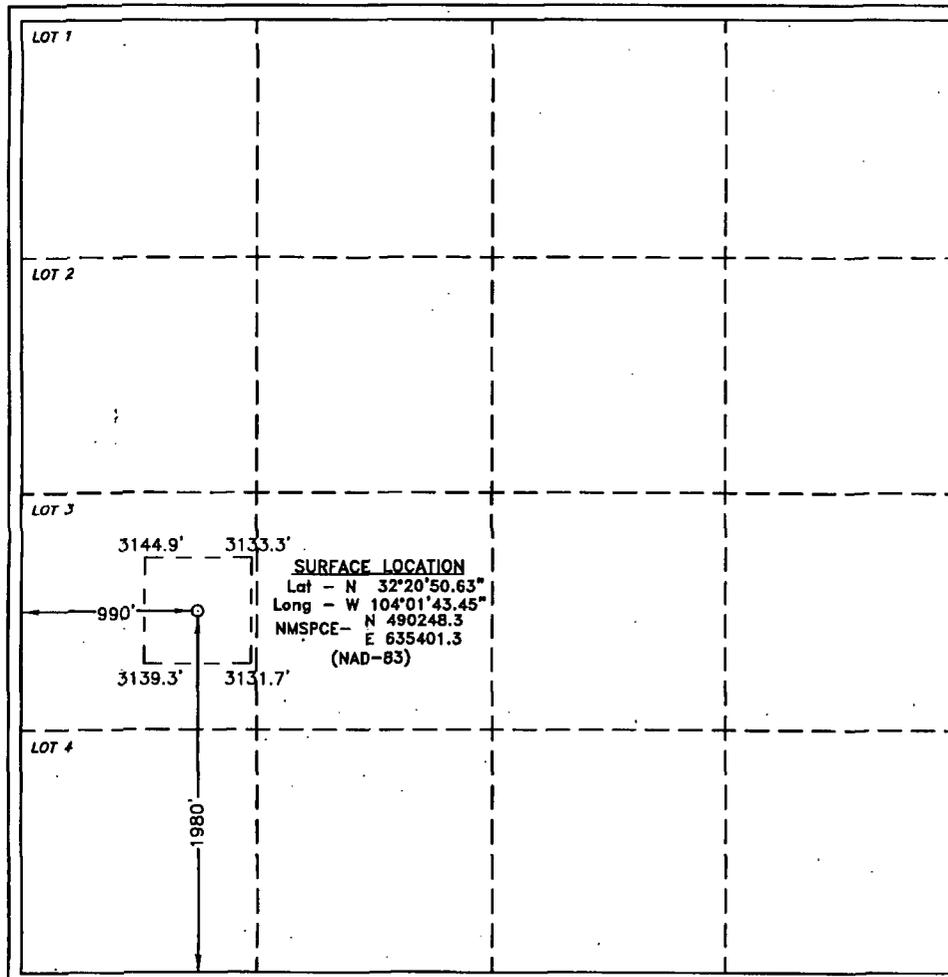
**Surface Location**

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	22 S	29 E		1980	SOUTH	990	WEST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No. * WC-015 52229314; Wolfcamp						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Heather Brehm* 11/17/2014  
Signature Date

HEATHER BREHM  
Printed Name

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**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

NOVEMBER 17 2014  
Date Surveyed

GARY L. JONES  
Signature & Seal of Professional Surveyor

W.S. 21949

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

# RKI Exploration and Production, LLC

Longview 31-31  
 Section 31 T22S R29E  
 Eddy County, New Mexico  
 API No. 30-015-37604

**Current**  
 10/28/16; BMB

KB - 3,166'  
 GL - 3,141'

Tubing top to btm:  
 76 jts 2-3/8" L-80 4.7# tbg  
 GLV #6 @ 2,496'  
 65 jts 2-3/8" L-80 4.7# tbg  
 GLV #5 @ 4,620'  
 53 jts 2-3/8" L-80 4.7# tbg  
 GLV #4 @ 6,354'  
 41 jts 2-3/8" L-80 4.7# tbg  
 GLV #3 @ 7,695'  
 32 jts 2-3/8" L-80 4.7# tbg  
 GLV #2 @ 6,743'  
 27 jts 2-3/8" L-80 4.7# tbg  
 2-3/8" Seat Nipple  
 1 jt 2-3/8" L-80 4.7# tbg  
 GLV #1 @ 9,663'  
 1 jt 2-3/8" L-80 4.7# tbg  
 On/Off Tool  
 Stinger  
 7" AS-1X Packer @ 9,702'  
 2-3/8" x 4' Sub  
 R Nipple @ 9,714'  
 2-3/8" X 4' Sub  
 2-3/8" WEG @ 9,719'

7" AS-1X packer @ 9,702'

Top of 2-3/8" Tbg @ 10,044'  
 Top Of Fish

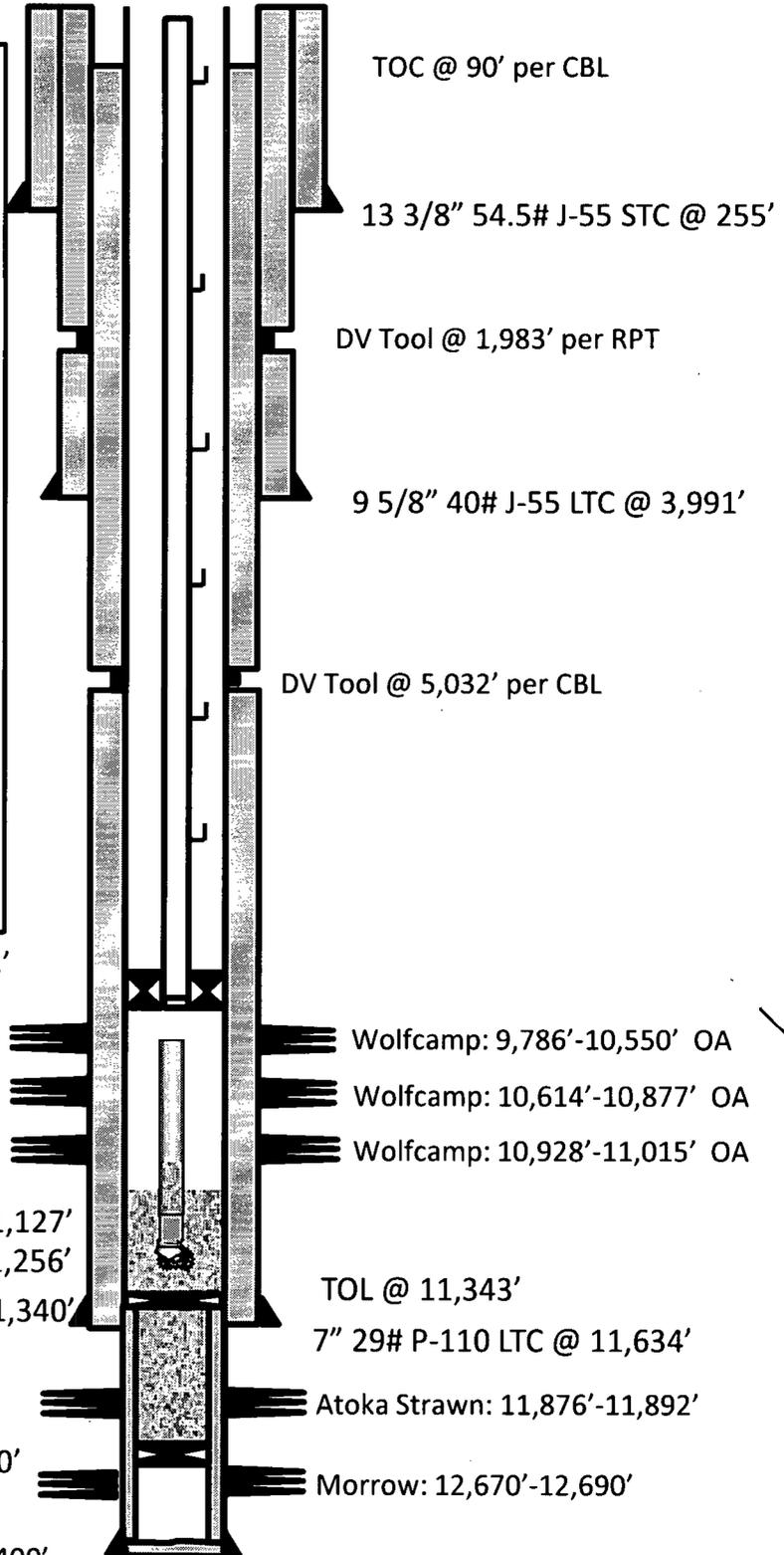
TOC @ 11,000'

Drill Collars @ 11,127'  
 Drill Bit @ 11,256'

Half Drilled Out Plug @ 11,340'  
 On Top Of Liner

CIBP @ 12,400'

PBTD 12,400'  
 TD 13,108'



TOC @ 90' per CBL

13 3/8" 54.5# J-55 STC @ 255'

DV Tool @ 1,983' per RPT

9 5/8" 40# J-55 LTC @ 3,991'

DV Tool @ 5,032' per CBL

Wolfcamp: 9,786'-10,550' OA

Wolfcamp: 10,614'-10,877' OA

Wolfcamp: 10,928'-11,015' OA

TOL @ 11,343'

7" 29# P-110 LTC @ 11,634'

Atoka Strawn: 11,876'-11,892'

Morrow: 12,670'-12,690'

4 1/2" 13.5# P-110 LTC @ 13,108'

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.*

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM61349
2. Name of Operator RKI EXPLORATION & PROD LLC		6. If Indian, Allottee or Tribe Name
Contact: ASHLEE FECHINO E-Mail: ashlee.fechino@wpenergy.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 3500 ONE WILLIAMS CENTER MD 35 TULSA, OK 74172	3b. Phone No. (include area code) Ph: 539-573-0212	8. Well Name and No. LONGVIEW DEEP FEDERAL 31-31
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T22S R29E NWSW 1980FSL 990FWL		9. API Well No. 30-015-37604
		10. Field and Pool, or Exploratory UNDESIGNATED WOLFCAMP
		11. County or Parish, and State EDDY COUNTY 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.)

Objective: Plugged Back Lower Formation

Current Wellbore Status: Vertical Completion in Wolfcamp with Morrow, Strawn and additional Wolfcamp intervals isolated below

Actual procedure attached

Current WBD attached

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #357875 verified by the BLM Well Information System For RKI EXPLORATION &amp; PROD LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) ASHLEE FECHINO	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 11/14/2016

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

Approved By _____	Title _____	Date _____
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 _____

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.

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



## Plug Back Workover Procedure

**Well:** Longview Deep Federal 31-31  
**Location:** Eddy, NM  
**Date:** November 14, 2016  
**Objective:** Plug Back Lower Formation

*Start Date 9-16-16  
End Date 10-31-16*

### EH&S Notes:

- ✓ Personnel Safety is the number one job, no exceptions.
- ✓ Please follow appropriate WPX Energy contractor protocols for this job plan. (Please see your WPX Energy Business Representative if you have any questions; Contractor protocols can be found in the WPX Energy Contractor Guide.)
- ✓ Continuous personal H2S monitoring is required. Any H2S alarms or other indications above 10ppm will require work to stop and the situation to be evaluated
- ✓ A Safety meeting shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent. Please ensure these are documented per the WPX Contractor Guide.

### Prior to Job:

- Schedule Workover Rig
- Test anchors if not done so recently
- Verify location is ok for rig operations
- Ensure all flowlines on surface are clear and lease operator has installed proper tags

**Current Wellbore Status:** Vertical Completion in Wolfcamp with Morrow, Strawn and additional Wolfcamp intervals isolated below.

### Procedure:

- Spot equipment; MIRU
- Blow down casing. If necessary pump water down casing to kill well.
- TOOH with tbg, gas lift valves, and packer.
- RIH and attempted to retrieve RBP at 10,573'
  - Unable to release RBP
- TOOH the tbg and overshot
- RIH with the shoe and washpipe to cut over the RBP (Tagged the RBP at 10,573')
- Begin cutting over the top slips of the RBP
- POOH with the tbg and shoe
- RIH w/ the overshot and grapple to fish the RBP
- Latch onto the RBD at 10,574' and jarred on the RBP
- POOH w/ the tbg, and BHA w/ grapple
- RIH w/ the shoe and washpipe to cut over the RBP again

- POOH with the tbg and shoe to replace worn out shoe
- RIH w/ the new shoe and tbg and began cutting over the RBP again
- POOH w/ the tbg, BHA, and shoe that was worn out
- RIH w/ the new shoe and tbg w/ the same BHA (Tagged the RBP at 10,587')
- Washed over the RBP until we stopped making hole and getting returns back
- POOH with the tbg and shoe worn out
- RIH w/ the overshot and grapple with jarring equipment to fish the RBP
- Latched onto the RBP and jarred on it for a few hours
- POOH with tbg, overshot, and grapple with no fish
- RIH w/ the overhot and new grapple with jarring equipment to jar on fish again
- Latched onto the RBP and began jarring
- POOH with the tbg, grapple, and jars WITH THE FISH (RBP)
- RIH w/ a 6" cone bit, 4 drill collars, and tbg
- Tagged the CIBP with cement on it
  - Tagged at 10,608'
- Began cutting out the cement and CIBP but fell down to 10,616'
- Continue cleaning out starting at 10,617' and got it cut loose
  - Chased the CIBP down to 10,725'
- Begin circulating and drilling out the CIBP and fell thru again after an hour
  - RIH and tagged at 10,900'
- POOH w/ the tbg and bit to replace worn out bit
- RIH with a 4.5" globe basket w/ 4.75" shoe on bottom to catch CIBP debris
- Circulate on top of the CIBP for several hours trying to catch debris
- POOH w/ the tbg and globe basket
- RIH w/ a 6" skirted bit, 4 drill collars, and tbg
  - Tagged at 10,900'
- Catch circulation and began cleaning out and drilling the CIBP
- RIH to tag at 11,238' on the last 7" of the plug
  - Circulate to get wellbore clean
- During circulation we got 5,000 psi on the reverse unit manifold
- Rigged up flowback equipment and let the well flow for approximately 36 hours
- POOH with the tubing and the tubing was parted at 3,100'
- RIH with an overshot and grapple to catch the top of the fish
- Unable to latch onto the fish
- POOH with tbg and grapple
- RIH w/ impression block
  - Unable to get down because of the well flowing
- Continued to pump PW to try and kill the well but unable to do so
- Flowed the well back through the flowback equipment for approximately 36 hours
- Pump 130 bbls of 15# salt get barite mud down casing and 75 bbls of 10# brine to kill the well
- RIH w/ the tbg and tag the top of the fish
- POOH w/ tbg and impression block

- Impression has a collar looking up at us
- RIH w/ a 3 1/16" grapple, overshoot, and tbg
  - Unable to latch onto the fish
- POOH with the grapple, overshoot, and tbg
- RIH w/ a 5 3/4" OD extension w/ a cut lip guide and spear to go inside the tbg
- Caught the fish but unable to pull it free (tbg sanded in)
- POOH w/ the tbg, grapple, and overshoot
- RIH w/ a mechanical tubing cutter
- Got over the fish, pulled to set the cutters but malfunction occurred and cutting did not take place
- POOH the tbg and cutter (cutter never activated)
- RIH w/ a chemical cutter and cut the tbg
- POOH the tbg and cutter
- RIH w/ overshoot and grapple to latch onto fish
- Latched onto the fish
- RU wireline and RIH w/ the free point tool
  - Free tubing found at 10,065'
- WO BLM to give us the ok to make the cut at 10,044'
  - Got ok from Chris Walls
- RU wireline and RIH w/ the cutter
  - Cut tbg at 10,044'
- POOH and laydown the top cut joint and overshoot
- RIH w/ the overshot
- Latched onto fish at 10,050'
- RU cement crew
  - Pumped 32 bbls of class H w/ .3% dispersant at 15.6 ppg, 1.18 yield, 5.22 gallons per sack
  - Displaced w/ 42 bbls of fresh water
  - Displaced cement to 11,000'
  - Top of the fish is at 10,050' and the bit on the bottom of the drill collars is at 11,256'
  - Pressure was 3,800 psi but end of job
  - ISIP was 3,400 psi in the tbg and 2,200 psi in the annular
  - In 10 minutes, tbg was 2,650 psi and annular was 1,350 psi
- RD the cement equipment
- Pump down tbg to pressure up to 1,000psi. Casing stayed at 600 psi. Watched for 30 minutes. Bled casing to 0 psi. Tbg stayed at 1,000 psi
- Ran thru swivel and tagged the cement TOP AT 11,000'
- POOH with the tbg
- RIH w/ gas lift system
- RDMO: Fish cemented in the hole
- Fish:
  - Free collar – 10,065'

- Stuck collar – 10,095'
- 234 – 2-3/8" P-110 8rd tbg
- 1 – cross over
- 6 – 4 1/8" drill collars
- 1 – cross over
- 1 – 6" cone type frill bit at 11,256'