

NM OIL CONSERVATION  
ARTESIA DISTRICT  
JAN 19 2016  
RECEIVEDUNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNMOCD  
ArtesiaFORM 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.**5. Lease Serial No.  
NMNM0555443

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
89101381008. Well Name and No.  
ROSS DRAW 89. API Well No.  
30-015-23017-00-S110. Field and Pool, or Exploratory  
UNDESIGNATED11. 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 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 recomple 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.)

RKI EXPLORATION & PRODUCTION RESPECTFULLY SEEKS APPROVAL TO RECOMPLETE THE SUBJECT WELL, FOLLOWING THIS PROCEDURE:

(Original TD at 12,200 ft)  
150 ft (15 sks) cement plug from 11,800-11,950 ft  
CIBP with 35 ft (8 sks) cement at 11,215 ft  
4in casing set at 7,450 ft with 350 sks cement  
new PBTD at 7,450 ft  
4in TOC to be at 3,920 ft +/- to correspond with TOC for original 7in casing

Perf intervals: 6,074-7,284 ft and 5,632-5,988 ft in Delaware Brushy Canyon

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

LD 1/20/16  
SUBJECT TO LIKE  
APPROVAL BY STATE

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

Electronic Submission #278650 verified by the BLM Well Information System  
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad  
Committed to AFMSS for processing by CATHY QUEEN on 06/19/2015 (15CQ0385SE)

Name (Printed/Typed) HEATHER BREHM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/12/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE

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

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 \*\*

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (505) 795-6161 Fax: (505) 791-6170

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (505) 746-1283 Fax: (505) 746-9120

DISTRICT III  
1800 East Horizon Rd., Aztec, NM 87410  
Phone: (505) 331-6172 Fax: (505) 331-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-1460 Fax: (505) 476-3162

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

**NM OIL CONSERVATION** Form C-102  
Revised August 1, 2011  
ARTESIA DISTRICT  
Submit one copy to appropriate District Office

JAN 19 2016

☐ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-23017</b>	Pool Code <b>52795</b>	Pool Name <b>DELAWARE, EAST</b>
Property Code	Property Name <b>ROSS DRAW UNIT</b>	Well Number <b>8</b>
OGRID No.	Operator Name <b>RKI EXPLORATION &amp; PRODUCTION</b>	Elevation <b>3022.0'</b>

Surface Location

UL or lot no. <b>G</b>	Section <b>27</b>	Township <b>26 S</b>	Range <b>30 E</b>	Lot Idn	Feet from the <b>1652</b>	North/South line <b>NORTH</b>	Feet from the <b>1665</b>	East/West line <b>EAST</b>	County <b>EDDY</b>
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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 <b>40</b>		Joint or Infill	Consolidated Code		Order No.				

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.

<p>NW COR SEC 27 NMSP-E (NAD 83) N= 371559.3 E= 682558.1 NMSP-E (NAD 27) N= 371502.0 E= 641371.8</p>		<p>N/4 COR SEC 27 NMSP-E (NAD 83) N= 371576.5 E= 685220.8 NMSP-E (NAD 27) N= 371519.2 E= 644034.4</p>		<p>NE COR SEC 27 NMSP-E (NAD 83) N= 371592.8 E= 687883.7 NMSP-E (NAD 27) N= 371535.5 E= 645697.3</p>	
<p>NW COR SEC 27 NMSP-E (NAD 83) N= 366240.9 E= 682588.0 NMSP-E (NAD 27) N= 366183.7 E= 641401.5</p>		<p>N/4 COR SEC 27 NMSP-E (NAD 83) N= 366257.2 E= 682245.9 NMSP-E (NAD 27) N= 366200.0 E= 644059.4</p>		<p>E/4 COR SEC 27 NMSP-E (NAD 83) N= 368934.7 E= 687891.9 NMSP-E (NAD 27) N= 368877.4 E= 646705.5</p>	
<p>ROSS DRAW UNIT 8 SHL NMSP-E (NAD 83) N (Y) = 369930.9 E (X) = 686223.7 LAT = 32°00'58.17"N LONG = -103°51'57.10"W NMSP-E (NAD 27) N (Y) = 369873.6 E (X) = 645037.2 LAT = 32.0160334°N LONG = -103.8653841°W</p>					

1652'

1665'

S 00°10'39" E 2658.2'

S 00°11'53" E 2661.8'

N 89°37'46" E 2662.7'

N 89°38'58" E 2663.0'

N 89°38'56" E 2658.0'

N 89°39'37" E 2655.2'

**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 or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.


4/30/2014  
Date

Signature  
**JODY NOERDLINGER**  
Print Name

E-mail Address

**SURVEYORS 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.

Oct. 27, 2014  
Date of Survey

Signature and Seal of Professional Surveyor  
  
James E. Tompkins

Job No.: WTC50298  
JAMES E. TOMPKINS 14729  
Certificate Number

# RKI Exploration and Production, LLC

## Ross Draw 8

Section 27 T26S R30E

Eddy County, New Mexico

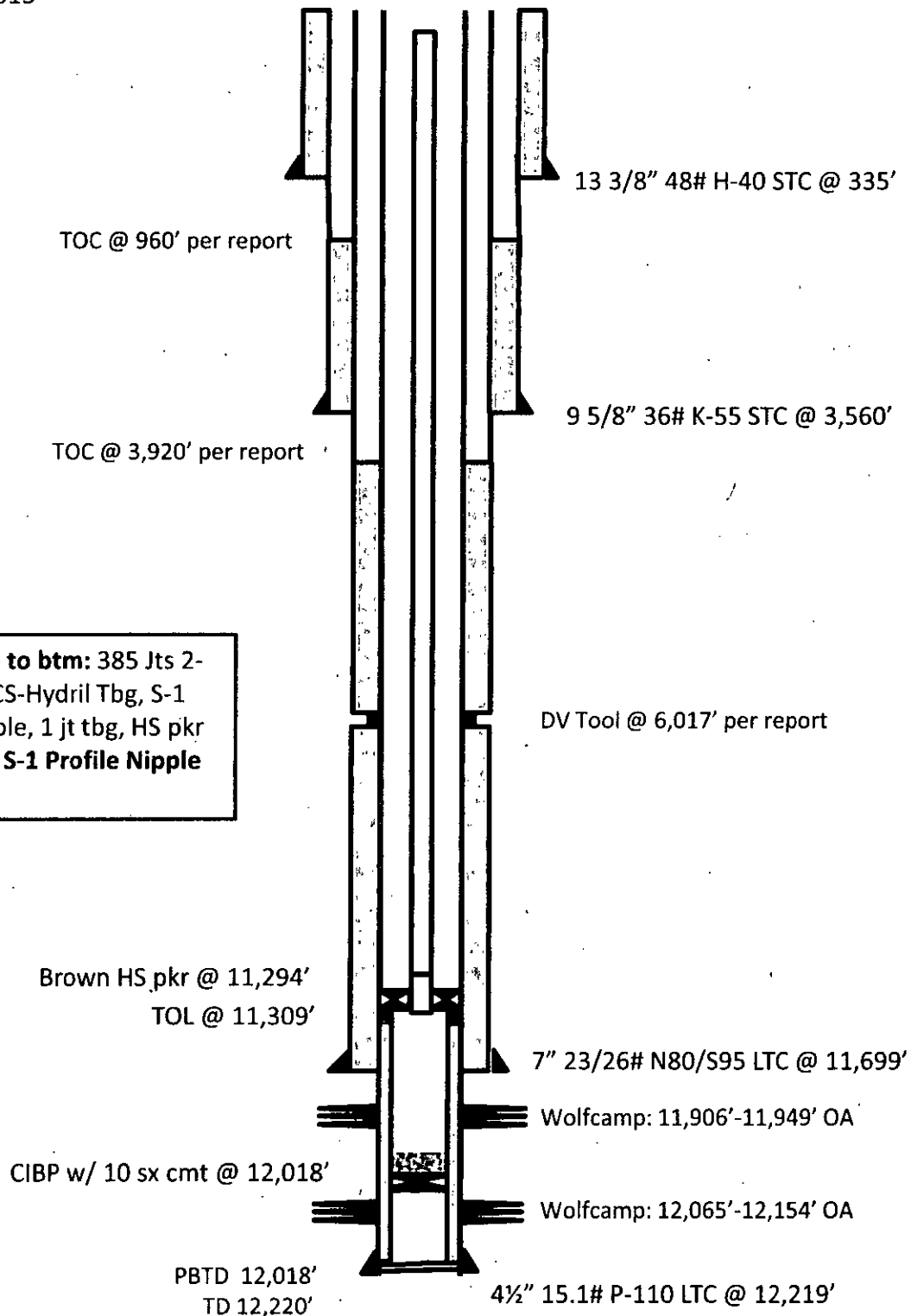
API No. 30-015-23017

**CURRENT**

KB - 3,028'

GL - 3,013'

12/18/13; JLM



# RKI Exploration and Production, LLC

## Ross Draw 8

Section 27 T26S R30E  
Eddy County, New Mexico  
API No. 30-015-23017

**PROPOSED**

KB - 3,028'  
GL - 3,013'

1/27/14; JLM

TOC @ 960' per report

**Tubing top to btm: 5,350' 2 7/8"**  
6.5# J-55 EUE tubing, TAC, 8 jts 2 7/8", SN, 4' PS, 2 jts. 2-7/8" tubing, BP: EOT @ 5,620', EOMA @ 5,700'.

**Rod string top to bottom:**  
28'x24'x1 1/2"x1 1/4" PR/lmr, 67 ct.  
(1,675') 1" Tenaris KD rods w/ SHC,  
77 ct. (1,925') 7/8" Tenaris KD rods,  
71 ct. (1,725') 3/4" Tenaris KD rods, 11  
ct. (225') C sinker bars, 2 1/2"x1 1/4"x24'  
RHBC pump (see procedure for  
specific pump design).

13 3/8" 48# H-40 STC @ 335'

9 5/8" 36# K-55 STC @ 3,560'

TOC @ 3,920' per report

**Tubing anchor @ 5,350'**

**Topper 5,632'-5,835' OA**

**Getty 5,898'-5,988' OA**

DV Tool @ 6,017' per report

**Kinarea/Cougar 6,074'-6,304' OA**

**Tide 6,332'-6,403' OA**

**Castle/MWJ 6,615'-6,846' OA**

**162 zone 6,964'-7,284' OA**

**CIBP w/ 35' (8 sx) cmt @ 11,215'**

**TOL @ 11,309'**

**150' (15 sx) cmt plug @ 11,800'-11,950'**

**CIBP w/ 10 sx cmt @ 12,018'**

**4 1/2" 11.6# HCP-110 Buttress @ 7,450'**  
**cmt'd w/ 350 sx 15.6# Class H cmt**

**7" 23/26# N80/S95 LTC @ 11,699'**

**Wolfcamp: 11,906'-11,949' OA**

**Wolfcamp: 12,065'-12,154' OA**

**PBTD 7,450'**  
**TD 12,220'**

**4 1/2" 15.1# P-110 LTC @ 12,219'**

**Ross Draw 8  
30-015-23017  
RKI Exploration & Production LLC  
January 11, 2016  
Conditions of Approval**

**Work to be completed by April 11, 2016.**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

- 1. Operator shall:**
  - a. Set solid Class H Cement plug from 12,000'-11,780'. WOC and Tag.**
  - or**
  - b. Set a CIBP at 11,850' and place a minimum of 25 sx (220') Class H cement on top. WOC and tag.**
- 2. Operator shall set solid Class H Cement plug from 11,750'-11,259' to cover the shoe and liner. WOC and Tag required.**
- 3. Operator shall set CIBP at 11,215' with a minimum of 25sx Class H cement on top. Tag required.**
- 4. Operator shall set soil Class H cement plug from 10,768'-10,560' to ensure seal over Wolfcamp top.**
- 5. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**
- 6. Before casing or a liner is added or-replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 7. Surface disturbance beyond the originally approved pad must have prior approval.**
- 8. Closed loop system required.**
- 9. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.**

10. Operator to have H2S monitoring equipment on location.
11. A minimum of a **3000 (3M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
12. **Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic of current well condition when work is complete.**
13. **See attached for general requirements.**

**JAM 011116**

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Production Zone Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. Subsequent Plug back Reporting: Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed; and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.