Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

Revised

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.
NMNM102036

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
RKI EXPLORATION & PROD LLC
Contact: CHARLES K AHN
E-Mail: cahn@rkixp.com

8 Lease Name and Well No.
RDX FEDERAL 15 5

3. Address 3817 NW EXPRESSWAY SUITE 950
OKLAHOMA CITY, OK 73112

3a Phone No. (include area code)
Ph: 405-996-5771

9. API Well No.
30-015-36744-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWSE 460FSL 1980FWL 32.036570 N Lat, 103.871325 W Lon

At top prod interval reported below SWSE 460FSL 1980FWL

At total depth SWSE 460FSL 1980FWL

10. Field and Pool, or Exploratory
~~UNDESIGNATED~~ Ross Draw; Delaware

11. Sec., T., R., M., or Block and Survey or Area. Sec 15 T26S R30E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
10/06/2010

15. Date T.D. Reached
10/22/2010

16. Date Completed
☐ D & A ☒ Ready to Prod.
12/04/2010

17. Elevations (DF, KB, RT, GL)*
3084 GL

18. Total Depth MD 7367 TVD

19. Plug Back T.D.: MD 7298 TVD

20. Depth Bridge Plug Set MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL CAL GR DLL CAL GR GAMMARAY DENSITY NEUTRON CALIPERLOG17.500

22 Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ 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 Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13 375 J-55	54.5	0	765		855		0	
12.250	9 625 J-55	40.0	0	3548		1300		0	
7.875	5 500 N-80	17.0	0	7353	5024	970		0	

Accepted for record
NMOCD
6/26/12

RECEIVED
JUN 19 2012
NMOCD ARTESIA

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	5641							

25 Producing Intervals

26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DELAWARE	5684	7210	5684 TO 6630	0.420	196	5 STAGES (4 THROUGH 8) COM
B)				5684 TO 7135			SEE ATTACHED
C)				6725 TO 6737	0 420	60	
D)				6841 TO 6866	0 420	62	

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
7210	Breakdown as follows 7207?-10? ? 4SPF, 7157?-68? 1SPF, 7135?-38? ? 4SPF
7210	Fracture stimulated with 66,800 Gal of Frac Fluid, 37,600 # 16/30 White sand + 12,700 # of 16/30
7210	Stage 2 Perforated from 6866' to 6827' =Total 62 Holes.
7210	Breakdown as follows 6866?-90? ? 1 SPF, 6852-64? ? 2 SPF, 6827?-41? ? 1 SPF

ACCEPTED FOR RECORD
JUN 16 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
12/05/2010	12/13/2010	24	→	51 6	56.0	955 0			ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg Press Flwg 175 SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
N/A		125 0	→	52	56	955		POW

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
12/05/2010	12/13/2010	24	→	52.0	56 0	955 0	42 4		ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg Press Flwg 175 SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
N/A		125 0	→	52	56	955		POW

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

ELECTRONIC SUBMISSION #139094 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Provide Top Bone Spring formation

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
DELAWARE	3578			DELAWARE	3573

32 Additional remarks (include plugging procedure).
-THIS IS AN AMENDED REPORT WHICH REPLACES THE ORIGINAL REPORT SUBMITTED ON 5/10/2011-

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 #139094 Verified by the BLM Well Information System.
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 06/13/2012 (12KMS2271SE)

Name *(please print)* CHARLES K AHN Title HS&E/REGULATORY MANAGER

Signature (Electronic Submission) Date 05/29/2012

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #139094 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
7138 TO 7210	0.420	35	

27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval	Amount and Type of Material
7210	Fracture stimulated with 89,463 Gal of Frac Fluid, 57,700# 16/30 White sand + 17,800 # of 16/30 Res
7210	Stage 3 Perforated from 6708' to 6772 = Total 60 Holes
7210	Breakdown as follows: 6737?-72? ? 1SPF, 6708?-33? ? 1SPF
7210	Fracture stimulated with 100,456 gal. of Frac Fluid, 77,400# 16/30 White sand + 21,600# of 16/30
7210	Stage 4 Perforated from 6611' to 6630' = Total 28 Holes.
7210	Breakdown as follows: 6611?-30 ? 2SPF.
7210	Fracture stimulated with 62,898 Gal of Frac Fluid, 40,300# 16/30 White sand + 12,600 # of 16/30 Res
7210	Breakdown as follows: 5836?-38? ? 2SPF, 5828?-31? ? 2SPF, 5803?-12? ? 1SPF, 5786?-94? ? 1SPF, 5762?-
7210	Stage 5: Perforated from 6495' to 6510' =Total 30 Holes.
7210	Fracture stimulated with 86,296 Gal. of Frac Fluid, 60,000# 16/30 White sand + 15,000# of 16/30 Resi
7210	Breakdown as follows 6495?-6510? ? 2SPF
7210	Fracture stimulated with 61,289 Gal. of Frac Fluid, 39,700# 16/30 White sand + 10,700# of 16/30 Res
7210	Stage 6: Perforated from 6400' to 44' =Total 44 Holes.
7210	Breakdown as follows: 6400?-44?.
7210	Fracture stimulated with 61,289 Gal. of Frac Fluid, 50,000# 16/30 White Sand + 18,000# of 16*30 Resi
7210	Stage 7 Perforated from 6044' to 5982' =Total 33 Holes.