OCD Artesia

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM102917

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 21 22

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

3a. Phone No. (include area code): Ph: 405-996-5774

9. API Well No.: 30-015-40561-00-S1

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

At surface: SWNW 1650FNL 1650FWL

At top prod interval reported below: SWNW 1650FNL 1650FWL

At total depth: SWNW 1650FNL 1650FWL

RECEIVED
MAR 26 2013
NMOCD ARTESIA

10. Field and Pool, or Exploratory: BRUSHY DRAW

11. Sec., T., R., M.; or Block and Survey or Area: Sec 21 T26S R30E Mer NMP

12. County or Parish: EDDY — 13. State: NM

14. Date Spudded: 08/22/2012

15. Date T.D. Reached: 08/30/2012

16. Date Completed: ☐ D & A ☒ Ready to Prod. 12/13/2012

17. Elevations (DF, KB, RT, GL)*: 3018 GL

18. Total Depth: MD 7355 TVD

19. Plug Back T.D.: MD 7311 TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GAMMARAY DENSITY NEUTRON CALIPERLOGS

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	1017		850		0	
12.500	9.625 K-55	40.0	0	3385		1290		0	
7.875	5.500 N-80	17.0	0	7355	5512	725		2206	

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	5515							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DELAWARE	5544	7094	5544 TO 5718		40	open
B)			5544 TO 6018	0.420	80	2 STAGES (4 AND 5) COMBINED
C)			5864 TO 6018		40	open
D)			6246 TO 6400		36	open

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

Depth Interval	Amount and Type of Material
5544 TO 7094	PUMPED 54,957 GALLONS OF SLICK WATER, BULL HEAD 7,500 GALLONS OF 15% HCL ACID, 295,918 GALLONS OF
5544 TO 7094	428657 gal fluids, 624680# proppant

RECLAMATION
DUE 6-13-13

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
11/26/2012	12/16/2012	24	→	224.0	0.0	798.0	43.0		ELECTRIC-PUMP-SUB-SURFACE

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
N/A	200	175.0	→	224	0	798		POW

ACCEPTED FOR RECORD

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
			→						MAR 23 2013

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #200864 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
BASE OF SALT	3398	3425		BASE OF SALT	3398
DELAWARE	3425	7233		DELAWARE	3425
				BONE SPRING	7233

32. Additional remarks (include plugging procedure):

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 #200864 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 03/07/2013 (13KMS5379SE)

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

Signature (Electronic Submission) Date 03/06/2013

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 #200864 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
6246 TO 6400	0.420	36	
6467 TO 6756		58	open
6467 TO 6756	0.420	58	
6862 TO 7094		44	open
6862 TO 7094	0.420	44	