

OCD Artesia

Form 3160-4
(August 2007)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.
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 Contact: CHARLES K AHN
 RKI EXPLORATION & PROD LLC E-Mail: cahn@rkixp.com

8. Lease Name and Well No.
RDX FEDERAL 21 12

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.
30-015-40560-00-S1

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

At surface NENW 430FNL 1330FWL

At top prod interval reported below NENW 430FNL 1330FWL

At total depth NENW 430FNL 1330FWL

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 NMOCD ARTESIA

10. Field and Pool, or Exploratory
BRUSHY DRAW11. Sec., T., R., M., or Block and Survey
or Area Sec 21 T26S R30E Mer NMP12. County or Parish.
EDDY13. State
NM14. Date Spudded
09/19/201215. Date T.D. Reached
10/01/2012

16. Date Completed
☐ D & A ☒ Ready to Prod.
 11/20/2012

17. Elevations (DF, KB, RT, GL)*
3027 GL18. Total Depth: MD
TVD 741019. Plug Back T.D.: MD
TVD 736720. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GAMMARAY DENSITY NEUTRON CALIPER LOGS

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	934		875		0	
12.500	9.625 K-55	40.0	0	3422		1400		0	
7.875	5.500 N-80	17.0	0	7410	5509	875		2482	

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	5,587							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DELAWARE	5596	7112	5606 TO 5706		34	open
B)			5606 TO 6446	0.420	122	4 STAGES (4, 5, 6 AND 7) COMBIN
C)			5878 TO 5990		40	open
D)			5878 TO 6080		40	open

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

Depth Interval	Amount and Type of Material
5596 TO 7112	PUMPED 89,948 GALLONS OF SLICK WATER, BULL HEAD 10,500 GALLONS OF 15% HCL ACID, 356,494 GALLONS OF

28. Production - Interval A

RECLAMATION

DUE 5-20-13

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/19/2012	12/15/2012	24	→	276.0	465.0	866.0	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	SI	175	→	276	465	866			

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

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

ELECTRONIC SUBMISSION #200863 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

JMD

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 DELAWARE	3429 3457	3457 7274		BASE OF SALT DELAWARE BONE SPRING	3429 3457 7274

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 #200863 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 (13KMS5378SE)

Name (please print) CHARLES K AHNTitle 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 fraudulent statements or representations as to any matter within its jurisdiction.

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

Additional data for transaction #200863 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
6296 TO 6446		40	open
6494 TO 6646		46	open
6494 TO 6646	0.420	46	
6728 TO 6754		32	open
6728 TO 6754	0.420	32	
6906 TO 7112	0.420	42	
6906 TO 7112		42	open