

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**

**RECEIVED**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM22634	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator RKI EXPLORATION & PRODUCTION-Email: hbrehm@rkixp.com		7. Unit or CA Agreement Name and No.	
3. Address 210 PARK AVENUE, SUITE 900 OKLAHOMA CITY, OK 73102		8. Lease Name and Well No. EAST PECOS FEDERAL COM 22 7H	
3a. Phone No. (include area code) Ph: 405-996-5769		9. API Well No. 30-015-42287	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 250FSL 990 FEL 32.011478 N Lat, 103.575867 W Lon At top prod interval reported below SESE 818FSL 937FEL 32.012036 N Lat, 103.575804 W Lon At total depth SESE 250FSL 990 FEL 32.011478 N Lat, 103.575867 W Lon		10. Field and Pool, or Exploratory UNDESIGNATED BONE SPRING	
14. Date Spudded 04/13/2014		11. Sec., T., R., M., or Block and Survey or Area Sec 22 T26S R29E Mer NMP	
15. Date T.D. Reached 05/13/2014		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/11/2014		13. State NM	
17. Elevations (DF, KB, RT, GL)* 2899 KB			
18. Total Depth: MD TVD 13310 8588	19. Plug Back T.D.: MD TVD 13207 8590	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CEMENT, MD, TVD		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	410		850	241	0	
12.250	9.625 J55	40.0	0	2912		800	424	0	
8.750	5.500 17	17.0	0	13300	5007	2055	753	0	

**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	8153							

**25. Producing Intervals**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9038	13110	9038 TO 13110	3.130	544	ACTIVE
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9038 TO 13110	15% HCL, DELTA FRAC 140 20#, 20/40 SLC, WATER FRAC G 20#/TLR=47,434 BBLs/TOTAL PROP=2,496,614 LBS

**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
06/12/2014	07/05/2014	24	→	769.0	2180.0	1184.0	46.5		FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
32/64	SI	180.0	→	769	2180	1184	2834	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
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

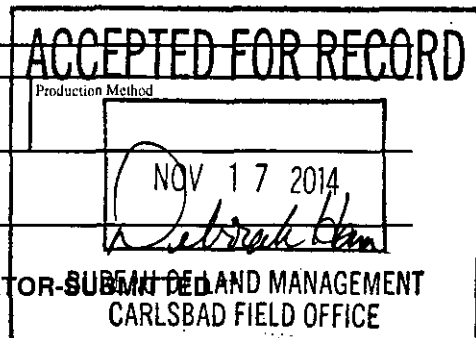
(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #256799 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**RECLAMATION**  
**DUE 1/5/15**



*OK*

## 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	2923	4041	OIL, GAS	RUSTLER	350
CHERRY CANYON	4041	6436	OIL, GAS	TOP OF SALT	2180
BRUSHY CANYON	6436	6719	OIL, GAS	BOTTOM OF SALT	2740
BONE SPRING	6719	6795	LIMESTONE	DELAWARE	2923
AVALON	6795	13310	OIL, GAS	CHERRY CANYON	4041
				BRUSHY CANYON	6436
				BONE SPRING	6719
				AVALON	6795

32. Additional remarks (include plugging procedure):  
BHL LEASE SERIAL NO: NM-21767

surface geology: Qep

## 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 #256799 Verified by the BLM Well Information System.  
For RKI EXPLORATION & PRODUCTION, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 11/17/2014 ()

Name(please print) HEATHER BREHM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/12/2014

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***