

NM OIL CONSERVATION

ARTESIA DISTRICT

OCD, Artesia
JAN 13 2015

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 RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr.		7. Unit or CA Agreement Name and No.	
2. Name of Operator RKI EXPLORATION AND PRODUCTION		8. Lease Name and Well No. HOLLY FEDERAL 1	
3. Address 210 PARK AVE SUITE 900 OKLAHOMA CITY, OK 73102		9. API Well No. 30-015-24195 S	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 460FSL 660FEL At top prod interval reported below SESE 460FSL 660FEL At total depth SESE 460FSL 660FEL		10. Field and Pool, or Exploratory BRUSHY DRAW, DELA	
14. Date Spudded 06/04/2014		11. Sec., T., R., M., or Block and Survey or Area Sec 26 T26S R29E Mer NMP	
15. Date T.D. Reached 06/26/2014		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/30/2014		13. State NM	
17. Elevations (DF, KB, RT, GL)* 2910 KB			
18. Total Depth: MD 3203 TVD 3203		19. Plug Back T.D.: MD 3150 TVD 3150	
20. Depth Bridge Plug Set: MD 3203 TVD 3203			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL	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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)
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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	12.750	35.0	0	378		650		0	
11.000	8.625	32.0	0	2900		150		0	
7.875	4.500	10.5	0	6250		900		2450	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	3140							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
DELAWARE, BELL CANYON	3008	3045	5060 TO 5104			INACTIVE
B)			3008 TO 3045		20	ACTIVE
C)						
D)						

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

Depth Interval	Amount and Type of Material
2850 TO 3203	RECOMPLETE SQUEEZE 200SKSCCLASSCMT.48 BBLs SLURRY.14.8 PPG;1.33 FT/SK.DISPLACED WITH 12 BBLs 2% KCL
3008 TO 3045	RECOMPLETE 875 BBLs GEL, SLICK WATER, 15% NEFE ACID; 48,300 LBS 16/30 WHITE SAND, 16/30 CRC SAND

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
06/30/2014	07/14/2014	24	→	12.0	1.0	214.0	35.0	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
64/64	SI 0	0.0	→	12	1	214	83	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
			→					
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	SI		→					

ACCEPTED FOR RECORD

GAS PUMPING UNIT

JAN 7 2015

Subscribed

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #274842 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
SANTA ROSA	0	15	CONGLOMERATE	RUSTLER	400
DEWEY LAKE	15	400	RED SHALE AND SAND	SALADO	570
RUSTLER	400	570	ANHYDRITE GYPSUM DOLOMITE	CASTILE	1070
SALT	570	1070	SALT RED SHALE RED SAND	DELAWARE LIME	2940
TOP SALT 2	2230	2390		DELAWARE SAND	2970
TOP SALT 3	2490	2750			
BELL CANYON	2940	2970	LIME SHALE		
DELAWARE SAND	2970	3880	SAND SHALE		

32. Additional remarks (include plugging procedure):

RKI Exploration & Production has recompleted the subject well as of June 26, 2014. Please see the attached 3160-5 for a subsequent report, describing the removal of existing casing from the hole and the recompletion procedure. Also attached is the original 3160-4 submitted by J.C. Williamson September 3, 1982.

33. Circle enclosed attachments:

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|---|--------------------|---------------|-----------------------|
| 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 #274842 Verified by the BLM Well Information System.
For RKI EXPLORATION AND PRODUCTION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 01/02/2015 ()

Name(please print) JODY NOERDLINGER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/30/2014

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.

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