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OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMMN100558

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
RDX FEDERAL 10 15

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

9. API Well No.
30-015-41383

3a. Address
210 PARK AVENUE, SUITE 900
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 405-996-5771
Fx: 405-996-5772

10. Field and Pool, or Exploratory
BRUSHY DRAW-DELAWARE EAST

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 10 T26S R30E Mer NMP SESW 990FSL 1890FWL

11. County or Parish, and State
EDDY COUNTY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

RKI proposes to change intermediate casing hole size from 12-1/2 inch to 12-1/4 inch. Additionally, the production casing hole size will need to change from 7-7/8 inch to 8-3/4 inch. Please refer to the attached drilling program for revised casing/cementing information.

RECEIVED
JUL 26 2013
NMOCD ARTESIA

Accepted for record

Original COAs Apply

LE Dade NMOCD 7/31/2013

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #212648 verified by the BLM Well Information System For RKI EXPLORATION & PRODUCTION, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 07/12/2013 ()

Name (Printed/Typed) CHARLES K AHN

Title EH&S/REGULATORY MANAGER

Signature (Electronic Submission)

Date 07/05/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

APPROVED
JUL 22 2013
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

6) Casing program:

Hole Size	Top	Bottom	OD Csg	Wt/Grade	Connection	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17 1/2"	0	950	13 3/8"	54.5#/J-55	ST&C	2.75	5.58	9.93
12 1/4"	0	3,584 3625	9 5/8"	40#/J-55	LT&C	1.30	5.17	3.63
8 3/4"	0	7,500	5 1/2"	17#/N-80	LT&C	1.93	1.55	2.73

7) Cement program:

Surface		17 1/2"	hole					
Pipe OD		13 3/8"						
Setting Depth		950	ft					
Annular Volume		0.69462	cf/ft					
Excess		1		100	%			
Lead	606	sx		1.74	cf/sk	13.5	ppg	
Tail	200	sx		1.33	cf/sk	14.8	ppg	
Lead: "C" + 4% PF20 + 2% PF1 + .125 pps PF29 + .2% PF46								
Tail: "C" + 1% PF1								
		Top of cement:		Surface				
Intermediate		12 1/4"	hole					
Pipe OD		9 5/8"						
Setting Depth		3,584	ft					
Annular Volume		0.31318	cf/ft	0.3627	cf/ft			
Excess		0.5		50	%			
Lead	685	sx		1.92	cf/sk	12.6	ppg	
Tail	200	sx		1.33	cf/sk	14.8	ppg	

Lead: 35/65 Poz "C" + 5% PF44 + 6% PF20 + 3 pps PF42 + .125 pps PF29 + .2% PF46 +1% PF1

Tail: "C" + .2% PF13

Top of cement: Surface

Production	8 3/4"	hole			
Pipe OD	5 1/2"				
Setting					
Depth	7,500	ft			
Annular Volume	0.252618	cf/ft	0.26074	cf/ft	300 ft
Excess	0.4		40	%	
DV Tool					
Depth	5500	ft			

Stage 1

Lead: 478 sx 1.48 cf/sk 13.0 ppg

Lead: PVL + 2% PF174 + .3% PF167 + .1% PF65 + .2% PF13 + .25 pps PF46

Top of cement: DV tool

Stage 2

Lead: 338 sx 1.89 cf/sk 12.9 ppg

Tail: 100 sx 1.48 cf/sk 13.0 ppg

Lead: 35/65 Poz "C" + 5% PF44 + 6% PF20 + 3 pps PF42 + .2% PF13 + .125 pps PF130 + .25 pps PF46

Tail: PVL + 2% PF174 + .3% PF167 + .1% PF65 + .2% PF13 + .25 pps PF46

Top of cement: 3,284 ft