

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. RDX 15 13
2. Name of Operator RKI EXPLORATION & PROD LLC		9. API Well No. 30-015-36834-00-X1
3a. Address 3817 NW EXPRESSWAY SUITE 950 OKLAHOMA CITY, OK 73112		10. Field and Pool, or Exploratory BRUSHY DRAW
3b. Phone No. (include area code) Ph: 405-996-5750 Fx: 405-949-2223		11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T26S R30E SWNE 1950FNL 2310FEL 32.044579 N Lat, 103.868003 W Lon		

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	Change to Original APD
	<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 recompleat 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 recompleat 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 Exploration and Production requests permission to modify the drilling plan for the RDX 15-13 well. Listed below is the summary of modifications.

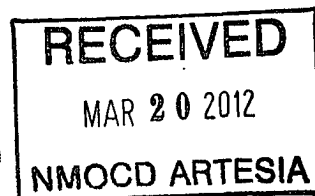
Requested Changes:**Intermediate casing:**

8 5/8 32lb 8rd STC casing would change to 9 5/8 40lb J55 LTC casing. 11 inch hole would change to a 12 1/4 inch hole.

Please see attached cementing information.

BOP:

Please see attached information.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Accepted for record

NMOCD 105

14. I hereby certify that the foregoing is true and correct		Electronic Submission #133155 verified by the BLM Well Information System For RKI EXPLORATION & PROD LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 03/16/2012 (12DLM0815SE)	
Name (Printed/Typed)	BILL AUBREY	Title	REGULATORY
Signature	(Electronic Submission)	Date	03/15/2012
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		APPROVED	
Approved By	Title	Date	
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.		WESLEY W. INGRAM PETROLEUM ENGINEER	

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

Well: RDX Federal 15-13
 Location: 1,800 FNL 2,310 FEL
 Section 15-26S-30E
 County: Eddy
 State: New Mexico

Casing program:

Hole Size	Top	Bottom	OD Csg	Wt/Grade	Connection	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17 1/2"	0	850	13 3/8"	54.5#/J-55	ST&C	3.07	6.24	11.10
12 1/2"	0	3,430	9 5/8"	40#/J-55	LT&C	1.36	5.41	3.79
7 7/8"	0	7,654	5 1/2"	17#/N-80	LT&C	1.89	1.55	2.67

Intermediate
 Pipe OD 12 1/2" hole
 9 5/8"

Setting Depth 3,430 ft
 Annular Volume 0.31318 cf/ft 0.3627 cf/ft
 Excess 1 100 %
 Total Annular Volume 1116 cf
 With Excess 2233 cf

Lead 950 sx 2.07 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

Pressure control equipment:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram type

(3,000 psi WP) preventer, a bag-type annular preventer (3,000 psi WP), and rotating head. Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and pipe rams (sized to accommodate the drill pipe size being utilized) on bottom. A 13 3/8" SOW x 13 5/8" 3M casing head will be installed on the 13 3/8" casing and utilized until total depth is reached. All BOP and associated equipment will be tested to 3,000 psi and the annular will be tested to 1,500 psi after setting the 13 3/8" casing string. The 13 3/8" and 9 5/8" casing will be tested to .22 psi per ft of casing string length or 1,500 psi whichever is greater, but not to exceed 70% of the minimum yield. The 9 5/8" will be hung in the wellhead and the stack will not be broke (unflanged) at this point. The stack will not be isolated and tested after running the 9 5/8" casing, but will tested along with the 9 5/8" casing.

Pipe rams will be operated and checked each 24 hour period and each time the drill string is out of the hole.

These function test will be documented on the daily driller's log.

A drilling spool or blowout preventer with 2 side outlets (choke side shall be 3" minimum diameter, kill side shall be at least 2" diameter).

2 kill line valves, one of which will be a check valve.

2 chokes on the manifold along with a pressure gauge.

Upper kelly cock valve with handle available.

Safety valve and subs to fit all drill string connections in use.

All BOP equipment connections subjected to pressure will be flanged, welded, or clamped.

Fill up line above the upper most preventer.

RDX Federal 15 13
30-015-36834
RKI Exploration and Production
March 19, 2012
Conditions of Approval

1. Sundry also indicates that production casing has changed from J-55 to N-80.
2. Operator did not submit a new Exhibit 1 for the 3M BOP. Operator shall comply with BOP testing in Onshore Order 2 regarding timing, since operator is using a multi-bowl BOP.
3. Operator's statement that they will test the BOP with the casing is only approved by the Carlsbad Field Office for the surface casing. However, since operator is utilizing a multi-bowl and has previously tested the BOP/BOPE to full working pressure, the Carlsbad Field Office will accept this test.

WWI 031912