

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.***Carlsbad Field Office**  
**OCD Artesia**

Please Print Name, 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 ☐ Other8. Well Name and No.  
LONGVIEW FEDERAL 12 2H

2. Name of Operator

RKI EXPLORATION &amp; PROD LLC

Contact: HEATHER BREHM

E-Mail: hbrehm@rkxp.com

9. API Well No.

30-015-42236-00-X1

3a. Address

210 PARK AVE SUITE 900  
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-996-5769

Fx: 405-949-2223

10. Field and Pool, or Exploratory  
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 12 T23S R28E NWNE 0780FNL 1855FEL  
32.193105 N Lat, 104.021676 W Lon

11. County or Parish, and State

EDDY 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	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 respectfully requests to remove the 7" intermediate string and continue with 8.75" hole size to TD then run 5.5" production casing.  
Updated drilling program attached.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

NOV 30 2015

RECEIVED

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

Accepted for record

NMOC 12/1/15

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #324580 verified by the BLM Well Information System

For RKI EXPLORATION &amp; PROD LLC, sent to the Carlsbad

Committed to AFMSS for processing by TEUNGKU KRUENG on 11/24/2015 (16TMK0004SE)

Name (Printed/Typed) HEATHER BREHM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/24/2015

**APPROVED****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Teungku Muchlis Krueng

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

**PETROLEUM ENGINEER**  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

RKI Exploration & Production, LLC

Well Longview 12-2H  
 Location Surface: 780 FNL 1,855 FEL Sec. 12-23S-28E  
 Bottom Hole: 330 FNL 1,715 FEL Sec. 1-23S-28E  
 County Eddy  
 State New Mexico

1) The elevation of the unprepared ground is 3,023 feet above sea level.

2) The geologic name of the surface formation is Quaternary - Alluvium.

3) A rotary rig will be utilized to drill the well to 13,973 feet and run casing.  
 This equipment will then be rigged down and the well will be completed with a workover rig.

4) Proposed depth is 13,973 feet

5) Estimated tops:

	MD	TVD		
Base_ Lamar	2,774	2,774		BHP = .44 psi/ft x depth
Delaware	2,820	2,820	Oil	1,241 psi
Cherry Canyon	3,681	3,681	Oil	1,620 psi
Kingrea	5,628	5,628	Oil	2,476 psi
Bone Spring Lime	6,071	6,071	Oil	2,671 psi
1st BoneSpring SS	7,332	7,332	Oil	3,226 psi
KOP	7,878	7,827	Oil	3,466 psi
2nd BoneSpring SS	8,100	8,088	Oil	3,564 psi
Landing Point (2nd Bonespring)	8,777	8,400	Oil	3,696 psi
TD	14,471	8,400		3,696 psi

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	225	13 3/8"	54.5#/J-55	ST&C	11.41	55.15	41.92
12 1/4"	0	4,000	9 5/8"	40#/J-55	LT&C	1.15	4.49	3.25
8 3/4"	0	14,471	5 1/2"	17#/HCP-110	BT&C	2.22	1.55	4.91
Collapse	1.125							
Burst	1.0							
Tension	2.0							

7) Cement program:

Surface 17 1/2" hole  
 Pipe OD 13 3/8"  
 Setting Depth 225 ft  
 Annular Volume 0.69462 cf/ft  
 Excess 1 100 %

Lead	27 sx	1.75 cf/sk	9.13 gal/sk	13.5 ppg
Tail	200 sx	1.33 cf/sk	6.30 gal/sk	14.8 ppg

Lead: "C" + 4% PF20 + 2% PF1 + .125 pps PF29 + .2% PF46

Tail: "C" + 1% PF1

Top of cement: Surface

<b>Intermediate</b>	12 1/4" hole			
Pipe OD	9 5/8"			
Setting Depth	4,000 ft			
Annular Volume	0.31318 cf/ft		0.3627 cf/ft	
Excess	0.5		50 %	

Lead	780 sx	1.92 cf/sk	9.95 gal/sk	12.6 ppg
Tail	200 sx	1.33 cf/sk	6.32 gal/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

<b>Production</b>	8 3/4" hole			
Pipe OD	5 1/2"			
Setting Depth	13,973 ft			
Annular Volume	0.2526 cf/ft	0.26074 cf/ft	300 ft	
Excess	0.32	32 %		
DV Tool Depth	5000 ft			

#### Stage 1

Lead:	641 sx	2.08 cf/sk	11.94 gal/sk	11.5 ppg
Tail:	976 sx	1.87 cf/sk	9.53 gal/sk	13.0 ppg

Lead: PVL + .5% CC + .3% PF79 (extender) + .25 pps PF46 (defoamer) + 3 pps PF42 (Kolite) + .125 pps + .125 pps PF29 (Cellophane) + .2% PF13 (retarder)

Tail: PVL + 30% PF151 (calcium carbonate) + .5% PF174 (expanding agent) + .7% PF606 + .7% PF606 (gel suppressing agent) + .2% PF153 (antisettling agent) + .25 pps PF46 (antifoam) + .2% PF13 (retarder)

Top of cement: DV tool

#### Stage 2

Lead:	108 sx	1.89 cf/sk	10.06 gal/sk	12.9 ppg
Tail:	175 sx	1.33 cf/sk	6.32 gal/sk	14.8 ppg

Lead: 35/65 Poz "C" + 5% PF44 (salt) + 6% PF20 (gel) + .125 pps PF29 (cellophane) + .25 pps PF46 (antifoam) + .2% PF13 (retarder)

Tail: "C" + .2% PF13 (retarder)

Top of cement: 3,700 ft

### 8) 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" 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" casing will be hung in the casing head and the stack will not be nipped down at this point.

The stack will not be isolated and tested after running the 9 5/8" casing, but will be 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.

9) Mud program:

Top	Bottom	Mud Wt.	Vis	Fluid Loss	Type System
0	225	8.5 to 8.9	32 to 36	NC	Fresh Water
225	4,000	9.8 to 10.0	28 to 30	NC	Brine
4,000	13,973	8.9 to 9.1	28 to 36	NC	Fresh Water
	14,471				

10) Logging, coring, and testing program:

No drillstem test are planned  
 Total depth to intermediate: CNL, Caliper, GR, DLL,  
 Intermediate to surface: CNL, GR  
 No coring is planned

11) Potential hazards:

No abnormal pressures or temperatures are expected. There is no known presences of H2S in this area, although some form a of H2S detection equipment will be utilized. Gas and pit level monitoring equipment will be utilized below the 9 5/8" casing as deemed necessary. Lost circulation and weighting material will be available.

12) Anticipated start date                      ASAP  
 Duration    25 days

**Conditions of Approval**  
**RKI**  
**Longview 12 2H**

1. The minimum required fill of cement behind the 5-1/2 inch production casing is:

- ☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.