

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD-ARTESIA -

FORM APPROVED	
OM B No 1004-0137	
Expires: March 31, 200	ľ

	OM B No 1004-0 Expires: March 3
1	5. Lease Serial No.

Expires: March 3
5 Lease Serial No.

NM-102036

011110011	NATION	4410	DFD0DT0		14/21.10
SUNDKI	MOTICES	ANU	REPORTS	UN	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.

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6.	If Indian, Allottee or Tribe Name

		(Al D) 101 30011 p	71 Op 0 3013.	
SUBMIT IN TRI	PLICATE- Other ins	tructions on rev	erse side.	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well X Oil Well	Gas Well Other		MAR 25 2008	
2. Name of Operator RKI EXP	LORATION & PRODU	CTION, LLC.	OCD-ARTES	A RDX "15" # 2 9. API Well No.
3a Address 3817 NW EXP SUITE 950 OKLAHOMA		3b. Phone No. (incl. 405–996–5	· ·	30-015-36151 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 2 950' FSL & 990' FE	T., R., M., or Survey Description)			BRUSHY DRAW-DELAWARE EAST 11. County or Parish, State
				EDDY CO. NEW MEXICO
12. CHECK AF	PROPRIATE BOX(ES) TO	O INDICATE NATI	URE OF NOTICE, RI	EPORT, OR OTHER DATA
TYPE OF SUBMISSION		Т	YPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back		Well Integrity XXOther Alter TD from andon 7500' to 8370'
If the proposal is to deepen dire Attach the Bond under which the following completion of the inv testing has been completed. Fir determined that the site is ready 1. RKI EXPLORATION	ctionally or recomplete horizonta ne work will be performed or pro- volved operations. If the operation nal Abandonment Notices shall be for final inspection.)	ally, give subsurface loca vide the Bond No. on fil n results in a multiple co e filed only after all requ LC. requests	tions and measured and true le with BLM/BIA. Require impletion or recompletion in irements, including reclama	ry proposed work and approximate duration thereof, e vertical depths of all pertinent markers and zones and subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once ation, have been completed, and the operator has to alter the depth of their
1011 13 " 2 WC	11 110m / 500 CO		BOP=3MO	!
the 5½" product	ion casing.			he change in cementing
STAGE (1)	> NEED ADDITE	NAL 25-50	DSX to BRH	UG CMT TO DV @ 5100'
5/2" 15-55 17	# 0'-8370' w	१टनड हरम	SF'Specs	(SEE ATTACHED)
14. I hereby certify that the fore Name (Printed/Typed)	going is true and correct			
Joe T. Janica 7		Title	Permit Engin	eer
Signature Signature	T. Jans	Date Date	03/19/08	
	THIS SPACE FOR	FEDERAL OR	STATE OFFICE	USE
Approved by Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to Title 18 U.S.C. Section 1001 and Title	or equitable title to those rights conduct operations thereon. 43 U.S.C. Section 1212 make it	does not warrant or in the subject lease	Office knowingly and willfully to	Engineer MAR 2 1 2008
States any false, fictitious or fraudul	ent statements or representations	s as to arry matter within	i its jutisdiction.	

DRILLING PROGNOSIS Ross Draw **RKI Exploration and Production** TOTAL DEPTH API#: 30-015-36151 **RDX 15-2** Brushy Canyon 8,370' **New Mexico** 950' FSL & 990' FEL, Sec. 16-26S-30E Eddv 03/14/08 From US 285 & County Rd. 726 (Whitethorn), go East on Co. Rd. 726 for ~10 miles to Co. Rd. 725A (Tarbush). Go North on Co. Rd. 725A for 0.5 miles to Lease Rd. Go East (northeasterly) for ~9.0 miles to old lease road and proposed lease road. LENGTH | DEPTH | WEIGHT | GRADE | CPLG | THRD SIZE FROM TYPE C STRING S Surface 13-3/8" 800' 8001 54.5# J-55 ST&C 8rd 1 Per drilling permit, set surface casing 25' into Rustler zone. S P N 3.500 Intermediate 9-5/8" 3.500" 36# J-55 ST&C E Per drilling permit, set intermediate casing 25' into Lamar Limestone zone C P 1 5-1/2" 8,370' LT&C R Production 8,370 17# J-55 Α 0 DV Tool @ ~5,000' G Actual DV tool locaton to be determined after logs R Ε Q Δ M U TYPE INTERVAL WEIGHT VISC W.L. LCM ρН YP REMARKS М 0' - 800' Fresh water bentonite system < 9.4 34-36 nc as needed 9-10 U 800' - 3,500' Saturated brine system w/ < 10 28 nc as needed 9-10 2-8 LCM as needed D chlorides > 186,000 3,500' - 8,170' Fresh water system <9 28 as needed 2 - 8 LCM as needed nc 9-10 P For displacement on intermediate casing, use fresh water. Drill out with fresh water to minimize R weight and losses to formation. Ó 8,170' - 8,370' Brine system w/ < 10 28 < 12 as needed 9-10 2 - 8 G chlorides > 186,000 Mud up ~200' before TD. Use starch system, pump sweeps, spot viscious pill, and perform short-trip R Α before attempting to log. M Add biocide to mud prior to laying down drillpipe and running casing. **STRING** DESCRIPTION YIELD H2O required C Schlumberger - Service Location - Artesia, NM (505) 746-9363 SURFACE Lead: 180 sx 35:65 Poz:Class C + 6% D20 + 5 pps D24 + 0.125 Ε 9.97 gal/sk 1.95 M pps D130 + 3% S1 mixed 12.7 ppg. Ε Tail: \100 sx. Class C + 0.125 pps D130 + 2% S1 mixed 14.8 ppg 6.29 gal/sk 1.34 N INTERMEDIATE Lead: 930 sx 35:65 Poz:Class C + 6% D20 + 4 pps D24 + 0.125 pps 10.81 gal/sk 2.05 T D130 + 1% S1 mixed 12.6 ppg Tail: 100 sx Class C + 1% S1 + 0.125 pps D130 mixed 14.8 ppg 1 6.29 gal/sk 1.33 N PRODUCTION Stage 1: Lead 200 sx 40/60 (D961/D124) + 0.2 %bwob D46 + 11.18 gal/sk 2.04 G 0.3 %bwob D65 + 1 %bwob D153 + 0.35 %bwob D800 + 0.125 pps D130 mixed 10.22 ppg. Tail 100 sx TXI Lightweight + 1.33% D44 (bwow) + 7.23 gal/sk 1.40 Р 0.2% D167 + 0.1% D13 mixed 13.0 ppg R Stage 2: Lead 155 sx 35:65 Poz:Class C + 5% D44 (bwow) + 6% 11.18 gal/sk 2.04 0 D20 + 0.125 pps D130 + 0.1% D13 mixed 12.6 ppg G Tail 100 sx Class C + 0.2% D13 mixed 14.8 ppg 1.32 6.3 gal/sk R ** DV Tool depth @ ~5,100' (subject to change after logging) ** A M ** Production casing cement volumes subject to change as hole caliper dictates. **

** see Schlumberger cementing proposal for cementing details. **

/ 			7	URFACE C		 	Illustrat	
Size	Grade	#/ft.	Coupling	FJ	Pc	Pi	Length	Reigh
						<u> </u>		
	 	,	INTE	RMEDIATE	CASING			·
Size	Grade	#/ft.	Coupling	Fj	Pc	Pi	Length	Weigh
Recu	MMEND SPAGE (1	ZS SX A	DEITIGNAL ING CINT U PROI	ON TAIL	CUIT	Total	Weight	
Size	Grade	#/ft.	Coupling	Fj	Pc	P⅓	Length	Weigh
51/2	J-55	17	LTC	247M	4910	5320	437 <i>0</i>	142.3
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	-		1			 - 		
7.5*0.0 7~(0.223		Ft = F:) / Wt.; SF	NG PARAM JOINT	(dry) o	ET 2.0 4	yant)	<u> </u>
9.5*0.0 9 ~ (0.22) 0 psi (3 m 3500 4516"	○SZ ** €37(○E\$10) S ○E\ 1. Su —2. In ○E\ 3. Pr	Ft = F; irface _ itermedication SFc = irface _ itermedication	j / Wt.; SE Late DI V 1.1 = Pc / (MW *	JOINT t => 1.6 = (= (= (* COLLAPS * .052 * = (= ((dry) or (dry) or (dry) / (dry) or (dry) / (dry) / (dry) or (dry) / (dry) or (dry) / (dry) or (dry) or (dry) / (dry) or (dry) or (dry) / (dry) or (ET 2.0 4 r 1.8(bou / (z47 // yant)))) 25052 *052 *	142.3 *
9.5*0.0 9 ~ (0.22) 9 ~ (0.22) 9 ~ (3 m 3500 4516" 1 6.510	052 ★ 637(6510) S 6 <u>K</u>) 1. Su 2. In 6 <u>K</u> 3. Pr —1. Su —2. In 6 <u>K</u> 3. Pr	Ft = F: irface itermedication SFc = irface itermedication irface itermedication	j / Wt.; SE Late DIZY 1.7 Pc / (MW *	JOINT 't => 1.6 = (= (= (= (= (= (= (BURST / BHP; = (= ((dry) or (dry) or (dry) / (dry) / (from) / (from	ET 2.0 4 r 1.8(bou / (z47 // yant)))) 25052 *052 *	837c
9.5*0.0 9 ~ (0.22) 0 psi (3 m 3500 4516"	052 ★ 637(6510) S 6 <u>K</u>) 1. Su 2. In 6 <u>K</u> 3. Pr —1. Su —2. In 6 <u>K</u> 3. Pr	Ft = F: irface itermedication SFc = irface itermedication irface itermedication		JOINT 't => 1.6 = (= (= (= (= (= (= (BURST / BHP; = (= ((dry) or (dry) or (dry) / (dry) / (from) / (from	ET 2.0 4 r 1.8(bou / (zu7 // yant))) 25 .052 *052 *052 * _	837c
9.5*0.0 9 ~ (0.22) 9 ~ (0.22) 9 ~ (3 m 3500 4516" 1 6.510	Su	Ft = F: irface itermedication SFc = irface irface itermedication irface itermedication irface itermedication irface itermedication	J / Wt.; SE Late Di V 1.7 Pc / (MW * Late Di 1.16 SFb = Pi Late Di (.3	JOINT 't => 1.6 = ((dry) or (dry) or (dry) / (dry) / (from) / (from	ET 2.0 4 r 1.8(bou / (zi7 // yant)) 25 .052 *052 *052 *052 *052 *052 *052 *052 *052 *052 *052 * _	837c
9.5 * 0.0 9.5 * 0.0 9.5 * 0.0 3.5 * 0 3.5 *	Su	Ft = F: irface itermedication SFc = irface irface itermedication irface itermedication irface itermedication irface itermedication		JOINT 't => 1.6 = ((dry) or (dry) or (dry) or (dry) or (dry) / (d	ET 2.0 4 r 1.8(bou / (zyant) yant) 25 .052 *052 *052 *052 *052 *052 *052 *052 *052 * _	837¢
7.5 * 0.00 ° (0.22) ° (0.22) ° (0.22) ° (3 m) °	Size Size	Ft = F: irface itermedication SFc = irface irface itermedication irface itermedication irface itermedication irface itermedication		JOINT 't => 1.6 = ((dry) or (dry) or (dry) or (dry) or (dry) / (d	ET 2.0 4 r 1.8(bou / (zyant) yant) 25 .052 *052 *052 *052 *052 *052 *052 *052 *052 * _	837¢