UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NMOCD Artesia

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

	EPARTMENT OF THE L UREAU OF LAND MANA		esia 📖	Expires: July 31, 2010
	NOTICES AND REPO		5. Leas	e Serial No. NM20965
Do not use th	is form for proposals to	drill or to re-enter an	<u> </u>	dian, Allottee or Tribe Name
арапдолед we	II. Use form 3160-3 (AP	u) for such proposals.		
SUBMIT IN TRI	PLICATE - Other instruc	ctions on reverse side.		nit or CA/Agreement, Name and/or No. NM129167
I. Type of Well ☑ Oil Well ☐ Gas-Well ☐ Oth	her			Name and No. CFEDERAL COM 17 26H
2. Name of Operator RKI EXPLORATION & PROD	Contact:	HEATHER BREHM kixp.com		Well No. 015-42752-00-X1
3a. Address 210 PARK AVE SUITE 900 OKLAHOMA CITY, OK 7310	2	3b. Phone No. (include area code Ph: 405-996-5769 Fx: 405-949-2223) 10. Fiel UNE	ld and Pool, or Exploratory DESIGNATED
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description)	.H. Cou	inty or Parish, and State
Sec 17 T26S R30E SWSE 02 32.020887 N Lat, 103.535827			EDD	DY COUNTY, NM
12. СНЕСК АРРІ	ROPŔIATE BOX(ES) TO	O INDICATE NATURE OF	NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION	,	ТҮРЕ О	F ACTION:	
Notice of Intent	Acidize	□ Deepen	☐ Production (Start	/Resume)
_	☐ Alter Casing	☐ Fracture Treat	□ Reclamation	■ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	Other
☐ Final Abandonment Notice	Change Plans	□ Plug and Abandon	☐ Temporarily Aba	indon Change to Original PD
	Convert to Injection	☐ Plug Back	□ Water Disposal	•
13. Describe Proposed or Completed Opt If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for final	ally or recomplete horizontally, it will be performed or provide operations. If the operation resonandonment Notices shall be file	give subsurface locations and measures the Bond No. on file with BLM/BI/sults in a multiple completion or rec-	ired and true vertical depth N. Required subsequent re completion in a new interva	hs of all pertinent markers and zones. eports shall be filed within 30 days al, a Form 3160-4 shall be filed once
BHL LEASE SERIAL NUMBE	R: NM-101110			
RKI RESPECTFULLY REQUE WELLBORE PATH. THE SHL REVISED C-102 AND DRILLII	WILL REMAIN THE SAN NG PLANS ATTACHED.	O ADJUST THE SETBACKS IE AS WILL ALL OTHER API	D DETAILS. PLEASE	EREFER TO THE
THE WELL IS SET TO SPUD	UPON APPROVAL.		NM OIL C	CONSERVATION
,1.	\wedge	1011	, u(, £2	DISTRICT
well is a	theody o	yn llog	FEB 700074	0.8 2016
-	\mathcal{O}	YRS	D' , REC	CEIVED

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

Electronic Submission #315546 verified by the BLM Well Information System
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/13/2015 (16JAS1119SE)

Name (Printed/Typed) HEATHER BREHM
Title REGULATORY ANALYST

AUCEPTED FOR ACCEPTED F

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.

Well RDX 17-2618

togation RDX 17-20

Surface: 200 TSL Bottom Hole: 230 FNL 1,425 FEL '

Sec. 17-265-30E Sec. 17-265-30E

County Eddy

State New Mexico

1) The elevation of the unprepared ground is

19 KB

3,125 feet above sea level.

3,143

2) A rotary rig will be utilized to drill the well to

15,227 feet and run casing.

This equipment will then be rigged down and the well will be completed with a workover rig.

3) Proposed depth is

15,227 feet measured depth

4) Eshmated tops:

	MD	<u>.</u>	IVD	Thickness	<u>Fluid</u>	
Rustler	•	. 800	800		freshwater	
Salado		1,100	1,100			
Base Lamar Lime	· · · · · · · · · · · · · · · · · · ·	3,398	3,390			
Delaware Top	. ,	3,432	3,424		Oil	BHP
Cherry Canyon Sand		4,530	4,517		Oil	1,987 psi
Topper Green					Oil	
Kingrea	A 100 A	б,221	6,206		Oil	
Bone Spring Lime	the second second	7,257	7,242		Oil	3,186 psi
Bone Spring 1st SS	٠, , ,	8,157	. 8,142	1800	Dil	
Bone Spring 2nd SS	1.1	8,970	8,955		Oil	3,940 psi
Bone Spring 3rd SS		10,072	10,057		Oil	4,425 psi
КОР	•	10,115	10,100	•	Oil	4,444 psi
Wolfcamp		10,485	10,445		ÐΛ	4,596 psi
Wolfcamp Target Top		11,115	10,744		Oil	4,727 psi
Landing Point	• •	11,115	10,744			4,727 psi
			- ,			- psi
Total Depth		15,227	10,744	· . !		230 Degrees
Lateral Length		4,112 MD	4.4		•	•

^{*}Note: All mineral resources encountered will be protected by running casing and raising cement across all encountered resources.

5) Casing program:

Top	Bottom	OD Csg	Weight	Grade	Connection .	Burst	Pressure	Burst	
0	1,000	13 3/8"	54.5	J-55	STC	2730	468	5.83	
0	7,257	9 5/8"	40	HCl·80	LTC	5750	3774	1.52	
D	15,227	5 1/2"	. 20	P-11D	BTC	12630	19000	1.26	
	•						*Burst SF = B	urst / Pmax	
Top	Bottom	OD Csg	Weight	Grade	Connection	Collapse	Mud	Collapse	
•	•						Weight	SF	
0	1,000	13 3/8"	54.5	J-S5	STC	1580	9.0	3.38	
0	7,257	9 5/8"	- 40	HCL-80	LTC	4230	10.0	1.12	
b	15,227	S 1/2"	20	P-110	BTC	12100	11.5	1.33	
				•	•Collap	se SF = [Collap	ise/(mw x 0.0!	52 x Depth)]	
Top	Bottom	OD Csg	Weight	Grade	Connection	Tension	Tension	Tension	
							Load	SF	
0	1,000	13 3/8"	54.5	J-S5	· STC	420000	54500	7.71	
0	7,257	9 5/8*	40	HCL-80	LTC	936000	290280	3.22	
Û	15,227	5 1/2"	50	P-110	8TC	641000	304546	2.10	
	O O O O O O O O O O O O O O O O O O O	Top Bottom 0 1,000 0 7,257 D 15,227 Top Bottom 0 1,000 0 7,257 0 15,227 Top Bottom 0 1,000 0 7,257	Top Bottom OD Cvg 0 1,000 13 3/8" 0 7,257 9 5/8" D 15,227 5 1/2" Top Bottom OD Csg 0 1,000 13 3/8" 0 7,257 9 5/8" D 15,227 5 1/2" Top Bottom OD Csg 0 1,000 13 3/8" 0 7,257 9 5/8" Top Bottom OD Csg	Top Bottom OD Cvg. Weight 0 1,000 13 3/8" 54.5 0 7,257 9 5/8" 40 D 15,227 5 1/2" 20 Top Bottom OD Csg Weight 0 1,000 13 3/8" 54.5 0 7,257 9 5/8" 40 0 15,227 5 1/2" 20 Top Bottom OD Csg Weight 0 1,000 13 3/8" 54.5 0 7,257 9 5/8" 40	Top Bottom OD Cvg Weight Grade 0 1,000 13 3/8" 54.5 J-55 0 7,257 9 5/8" 40 HCL-80 D 15,227 5 1/2" 20 P-11D Top Bottom OD Csg Weight Grade 0 1,000 13 3/8" 54.5 J-55 0 7,257 9 5/8" 40 HCL-80 0 15,227 5 1/2" 20 P-110 Top Bottom OD Csg Weight Grade 0 1,000 13 3/8" 54.5 J-55 0 7,257 9 5/8" 40 HCL-80	Top Bottom OD Cvg Weight Grade Connection 0 1,000 13 3/8" 54.5 J-55 STC 0 7,257 9 5/8" 40 HCL-80 LTC D 15,227 5 1/2" 20 P-11D BTC Top Bottom OD Csg Weight Grade Connection 0 1,000 13 3/8" 54.5 J-55 STC 0 7,257 9 5/8" 40 HCL-80 LTC Top Bottom OD Csg Weight Grade Connection Top Bottom OD Csg Weight Grade Connection 0 1,000 13 3/8" 54.5 J-55 STC 0 7,257 9 5/8" 40 HCL-80 LTC	Top Bottom OD Cvg Weight Grade Connection Burst 0 1,000 13 3/8" 54.5 J-55 STC 2730 0 7,257 9 5/8" 40 HCL-80 LTC 5750 D 15,227 5 1/2" 20 P-11D BTC 1263D Top Bottom OD Csg Weight Grade Connection Collapse 0 1,000 13 3/8" 54.5 J-55 STC 1580 0 7,257 9 5/8" 40 HCL-80 LTC 4230 0 15,227 5 1/2" 20 P-11D BTC 12100 *Collapse SF ∈ [Collapse SF ∈	Top Bottom OD Csg Weight Grade Connection Burst Pressure Max 0 1,000 13 3/8" 54.5 J-55 STC 2730 468 0 7,257 9 5/8" 40 HCL-80 LTC 5750 3774 0 15,227 5 1/2" 20 P-11D BTC 1263D 19000 Top Bottom OD Csg Weight Grade Connection Collapse Mud Weight 0 1,000 13 3/8" 54.5 J-55 STC 1580 9.0 0 7,257 9 5/8" 40 HCL-80 LTC 4230 10.0 0 15,227 5 1/2" 20 P-11D BTC 12100 11.5 Top Bottom OD Csg Weight Grade Connection Tension Tension 10 1,000 13 3/8" 54.5 J-55 STC 42000 54500	Top Bottom OD Cvg Weight Grade Connection Burst Pressure Burst 0 1,000 13 3/8" 54.5 J-55 STC 2730 468 5.83 0 7,257 9.5/8" 40 HCL-80 LTC 5750 3774 1.52 D 15,227 5 1/2" 20 P-110 BTC 12630 19000 1.26 *Burst ST = Burst / Pmax Top Bottom OD Csg Weight Grade Connection Collapse Mud Collapse 0 1,000 13 3/8" 54.5 J-55 STC 1580 9.0 3.38 0 7,257 9 5/8" 40 HCL-80 LTC 4230 10.0 1.12 0 15,227 5 1/2" 20 P-110 BTC 12100 11.5 1.33 *Collapse ST ∈ [Collapse/(mw x 0.052 x Depth]] *Buttom OD Csg Weight <t< td=""></t<>

^{*}All casing load assumptions are based on Air Wt. Burst design assumes Max Frac Pressure (10K), & Collapse design assumes evacuated & max Mud Weight during interval.

Minimum	Design	2brabnet2

Collapse 1.1 All casing will be new
Burst 1 Casing design subject to revision based on geologic conditions encountered
Tension 1.9

Cement progra	erti:							
h) Surface		17	1/2" hole					
Pipe OD			3/8"					
Setting Depth			,000 ft			•		
Annular Volum	ne.		6947 cf/fi					
Taif			200					
Shoe Joint			36.5					
Excess			1				100 %	
							3B3 (t	
tead+		642 sx		1.75 cf/sk		13.5 ppg		9.13 gal/sk
Tail		200 sx		1.33 cl/sk	,	14.8 орв		6.32 gal/sk
	Lead:	"C" + 4% PF	20 (gel) + 2% PF	1 (CC) + .125 pps PF;	29 (CelloFlake) + .4 pp:	s PF46 (antifoam)	
	Tait:	"C" + 3% P	F1 (CC)					
		' lap of cem	ent:	Surface				
		3 centralize	rs on bottom 3 ji	is I per it, then 1 evi	ery other #	•		
1_1			1 /a# 11-					•
Intermediate			1/4" hole					
Pipe OD			5/8"					
Setting Depth			257 ft		1			
Annular Volum	K,		3132 cf/ft		0.323 cf/ft	•		
DV Tool	_	5,	500 ft					
Excess	1st Stage		0.6				60 %	
	2nd Stage		1.6		•		160 %	
Stage 1:								
Lead		595 sx		1,48 cf/sk		13 ppg		7.609 gal/sk
	Lead:	PVL + 1.3%	PF44 + 5% PF174	+ .5% PF606 + .4% F	PF13 + .1% PF153 + .4	pps PF45	,	
		Top of ceme	ont.		5,500 ft	DV tool:		5,500 ft
				hen 1 every 3th jt	3,300 10	DV 1001.		3,300 11
		i per jonice	orton 3 jours, t	oen zevery surp				
Stage 2:								
Lead		1308 sx		2.87 cf/sk		11.6 ppg		16.793 gal/sk
Tail .		175 sx		1.33 cf/sk	*	14.8 ppg		6.331 gal/sk
	Lead:	35/65 Poz "	C" + 5% PF44 + 6	% PF20 + .2% PF13 +	.125 ps PF29 + .4 pps			•
	Tail:	"C" + .2% P	Г13					
		Top of ceme	ent: SURFACE		· ft			
		1 per joint b	ottom 3 joints, ti	hen 1 every 3th jt				
Production			- 244 ()					
		X:	3/4" hole					
Pipe OD (in OH))	5	1/2"					
Pipe OD (in OH) Setting Depth		5 : 15,2	227 ft		0.3535 -446			
Pipe OD (in OH) Setting Depth Annular Volume		5 : 15,2 0.2	227 ft 526 d/ft		0.2526 cf/ft		25.00	
Pipe OD (in OH) Setting Depth		5 : 15,2 0.2	227 ft		0.2526 cf/ft		35 %	
Pipe OD (in OH) Setting Depth Annular Volume Excess		5; 15,; 0.2	227 ft 526 d/ft		0.2526 cf/ft		35 %	
Pipe OD (in OH) Setting Depth Annular Volume Excess		5.15,7 0.2 0.83 sx	227 ft 526 d/ft	1.47 cf/sk	0.2526 cf/ft	13 ppg	35 %	gal/sk
Pipe OD (in OH) Setting Depth Annular Volume Excess	e .	15,7 0.2 0.8 683 sx 922 sx	227 ft 526 ct/ft 0.35	1.89 cf/sk		13 ppg	35 %	gal/sk 9.632 gal/sk
Pipe OD (in OH) Setting Depth Annular Volume Excess	e .	5 : 15,7 0.2 0.2 (683 sx 922 sx PVL+1.3% P	227 ft 526 cf/ft 5.35 F44 + 5% PF174	- 1.89 cf/sk • .5% PF606 + .3% PI	F 813 + .1% PF153 +.4	13 ppg pps PF45	•	
Pipe OD (in OH) Setting Depth Annular Volume Excess	e .	5 : 15,7 0.2 0.2 (683 sx 922 sx PVL+1.3% P AcidSolid PV	227 ft 526 cf/ft 0.35 F44 + S% PF174 'L + S% PF174 +	- 1.89 cf/sk • .5% PF606 + .3% PI	F 813 + .1% PF153 +.4; 53 + .5% PF13 + 30% P	13 ppg pps PF45	•	
Pipe OD (in OH) Setting Depth Annular Volume Excess	e .	5 : 15,7 0.2 0.2 (683 sx 922 sx PVL+1.3% P AcidSolid PV Top of ceme	227 ft 526 cf/ft 0.35 F44 + S% PF174 /L + S% PF174 + .7	- 1.89 cf/sk • .5% PF606 + .3% PI	F 813 + .1% PF153 +.4; 53 + .5% PF13 + 30% P 6,957 ft	13 ppg pps PF45	•	

7) Pressure control equipment:

The blowout preventer equipment will be 5,000 psi rated as shown in the attached ROP diagram and consist of the following:

Pipe rams

Blind rams

Pipe rams

Drilling spool or blowout preventer with 2 side outlets (choke side shall be a 3" minimum diameter, kill side shall be at least 2" diameter

Choke line shall be 3" minimum diameter -

2 choke line valves, 3" minimum diameter

2 chokes with 1 remotely controlled from the rig floor

Kill fine, 2" minimum diameter

2 kill line valves and a check valve, 2" minimum diameter

Upper and lower kelly cock valves with handles readily available

Safety valves and subs to fit all drill string connections in use shall be readily available

Inside BOP or float available

Pressure gauge on choke manifold

All BOPE subjected to pressure shall be flanged, welded, or clamped

Fill-up line above appermost preventer

A 13 3/8" SOW x 13 5/8" SM multi-bowl casing head will be installed and utilized until Total Depth is reached.

The 9.5/8" casing will be landed in the head on a casing mandrel, and the stack will not be broken

until total depth has been reached. Before drilling out the 9.5/8" casing will be tested to .22 psi/ft of casing setting

depth or 1,500 psi whichever is greater, but not exceeding 70% of the burst rating of the pipe.

After drilling approximately 10 feet of new formation an EMW test of 11.0 ppg will be performed.

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.

8) Mud program:

Top	Bott	om	Mud Wt,	Vis	₽V	· YP	Fluid Loss	Type System
	0	1,000	8.3 to 8.5	28 to 30	1 - 6	1 - 6	NC	Fresh Water ND
	1,000	7,257	9.8 to 10	28 to 30	1:10	1 - 12	NC	Brine
	7,257	10,115	8.8 to 9.3	35 to 40	8 - 10	10 - 12	, NC	Cut Brine
	30,115	15,227	9.3 to 10.5	45 to 55 .	8 - 12	6 - 10	10 to 15	Cut Brine

^{*}Enough Bante will be stored on location to weight up mud system to an 11.5 ppg mud weight if needed (2751 sx from 9.3 ppg to 11.5 ppg - 2000 bbl system) Formula: Barite Required (lbs) = [(35.05 x (Wf-Wi))/(35.05-Wf)] x Mud Volume (gals).

9) Logging, coring, and testing program:

No driff stem test or cores are planned

Neutron/Density, Resistivity, Gamma Ray, Caliper will be run at Pilot Hole Total Depth.

Neutron, Gamma Ray, Caliper will be run from TD to surface

10) Potential hazards:

No H25 is known to exist in the area.

Lost circulation can occur, lost circulation material will be readily available if needed.

ASAP 11) Anticipated start date Duration 35 days

^{*}Pason PVT equipment will monitor all pit levels at all times, in the event-an influx occurred.

Well

RDX 17-26H

Location Sortace:

200 F5L Bottom Hole: 230 FNL 1,425 FEL 1,730 FEL

Ser. 17-265-300 Sec. 17-265-30£

State

Eddy	
New Messes	

LOGY	
New	Mexico

Hole Size	Top	Botton	n OD Csg	W1/Grade	Connection	Collapse Design Factor	Burst Design Factor	Tension Design Factor	•
17 1/2*		ō	1000 13 3/8"		54.5 J-55	3.	38	5 83	7.71
12 1/4"		0	7257 9.5/8°		40 HCL-80	1.	12	1.52	3.22
8.3/4"		(I	15227.3 5 1/2"		20 P-110	1.3	33	1.26	2,10

ŧD 15,227 ft MD 10,744 ft TVĐ

ı) MIRU work over rig and NU BOP, Run CRL/GR log to confirm TOC

. 2} Fractive stimulate in 10 to 15 stages:

	2500 gal					•	15% HCI
	25000 gal						Linear 25# gel
	30000 gal		0.5 ppg		15000 100 mesh		Linear 25# gel
	20000 gal				•		Lightning 20
	20000 gal	•	849 C.D		10000 40/70 White Sand		Lightning 20
	30000 gal		1 ppg		13000 40/70 White Sand		Lightning 20
	20000 gał		1.5 ppg		37500 40/70 White Sand		Lightning 20
	20000 gal		2 ppg		50000 40/70 White Sand		Lightning 20
	25000 gal		2.5 ppg		95500 40/70 White Sand		Lightning 20
	30000 ga?		3 ppg		95500 40/70 White Sand		Lightning 20
	15000 gal		2 ppg	5	95500-40/70 CRC Sand		Lightning 20
Flush		237500 gal rotal			250000 fb total		Treated Water

Repeat for remaining stages

3)

Flow back and test

4)

Till and drill out frac plugs or sleeves

5) 6)

Run production equipment and place well on production

Stimulation Fluid: See attached chemical sheet

Surface treating pressure 6500 psi Max injection pressure 8500 psi Anticipated frac height 75 ft Anticipated frac length 500 ft

Disposal Disposal

AZIMUTH (Murdine in Red)																			-4050 -3000 -2050 -1000 0 1000 2000,	EASTOWEST		Vertical Section								The state of the s														500 1500 2500 3500 4500 5500	Vertical Section (ft)					
8 9	8 8	<u> </u>			90		- DC		 							0)1 D	2000				9		٥		 2		2			<u>.</u>		 2		2					ρ		_ 	-200						
5500	·	1		ньлов	3000	ion T	2500		등	,	<u></u>	- E	3	<u></u>	; T	1	1	Ş.	!	1		_		1	.002		8	1	4000	T	<u> </u>	6000	^ <u>.</u>	2007	- - T-		0008		1000	<u> </u>	11000	<u> </u>	12000	_	т-			-	\neg	
	356.32 deg	DLS/100			c c	3.0	2.3										,	2.3	3.0						10.0	10.0	10.0	10.0	10.0	0.01	10.0	10.0	10.0	10.0	10,0															
	n: Hard Line:	VERT.	SECTION				4 00	2	17	21	74	75	120	131	134.9	139.0	143.0	146.2	147.4	147.4	147.4	147.4	147.4	147.4	156.1	181.9	224.0	. 262.6	317.0	385.4	.422.2	503.9	594.2	780.5	017.0	1017.2	1117.1	1216.9	1316.7	1416.5	1516.3	1616.1	1815.7	1915.5	2015.3	2115.1	2214.9	2314.7	2414.5	4893.9
RIG	Target Direction: North/South Hard Line	Casuvestri	E-W		70	-2.4	-12.7	-26.2	-34.8	-43.3	-154.3	-157.2	1.162-	-2747	-282.8	-291.3	-299.9	-306.6	-309.0	-309.0	-309.0	-309.0	-309.0	-309.0	-309.0	-309.1	-309.1	-309.2	-309.2	-309.4	-309.5	-309.7	-309.8	310.0	310.5	-310.6	-310.8	-311.0	-311.2	-311.4	-311.6	342.0	-312.2	-312.4	-312.5	-312.7	-312.9	-313.1	-313.3	-318.U
			ς Ž		*	-	7		14	18	25	£ 82	130	113	117	121	124	127	128	128	871	178	128	128	137	162	205	263	208	368	403	485	578	771	8	666	1099	1199	1299	1399	1499	880	1799	1899	1999	2099	2199	2299	2399	4004
	7-26S-30E	100-00*	2 <u>2</u>	9000	1500	1700	1799	1899	1998	2098	3330	3424	4887	4786	4886	4986	5085	5185	5285	6206	7.242	8955	10057	10100	10199	10296	10386	10445	10505	10576	10610	10667	10709	10744	10744	10744	10744	10744	10744	10744	10/44	10744	10744	10744	10744	10744	10744	10744	10744	10744
	425' FEL 1: 730' FF1 1	20	AZMTH	200 47	292.47	202.47	292.47	292.47	292.47	292.47	292.47	292.47	292.47	292.47	292.47	292.47	292.47	292.47	•					359.89	359.89	359.89	359.89	350.80	359 89	359.89	359.89	359.89	359.89	359.89	359.89	359.89	359.89	359.89	359.89	359.89	359.69	359.03	359.89	359.89	359.89	359.89	359.89	359.89	359.89	333.03
	RDX 17-26H 200' FSL & 1425' FEL 17-26S-30E 230' FNL & 1730' FF! 17-26S-30F		SC NC		3.00	531	5.31	5.31	5.31	5.31	5.31	5.4 2.4	531	5.31	5.31	5.31	5.31	3.00							10.00	20.00	30.00	40.00	45.00	45.00	50.00	90.00	20.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	20.00
RKI EXPLORATION	RE 200		. DEPTH	1500.0	1600.0	1700.0	1800.0	1900.0	2000.0	2100.0	3397.6	3431.7	4700.0	4800.0	4900.0	5000.0	5100.0	5200.0	5300.0	7257	8457.2	8970.2	10072.2	10115.2	10215.2	10315.2	10415.2	10515.2	10565.2	10665.2	10715.2	10815.2	110915.2	11115.2	11243.1	11343.1	11443.1	11543.1	11643.1	11/43.1	11043.1	12043.1	12143.1	12243.1	12343.1	12443.1	12543.1	12643.1	15/43.1	0.1320
RKIEX	WELL: LOCATION: BHL:	STATION	NCMBER Tie-tn								Base Lamar	Chemy Crivin							7	BS I imo	RS 1 SS	BS 2 SS	BS 3 SS	KOP			Mothern	A CHICALLED						Wolfcamp TT								,							10	2

RKI EXPLORATION			RIG:		MCV 0089	AZMUTH (Marches in Red)
WELL: RDX 17-26H LOCATION: 200' FSL & 1425' FEL 17-26S-30E BHL: 230' FNL & 1730' FEL 17-26S-30E	SS-30E SS-30E	E Z m	Target Direction: North/South Hard Line: EastWest Hard Line:	356.32 deg d Line: ine:	5000	
STATION SURVEY NUMBER DEPTH INC AZMTH TO		ις. Σ	E-W	VERT. DLS/100 SECTION	4000	
					;	,
						\ -
						Ţ
		:				
					,	
					,	
10	10744 48	384	-318.0	4893.9		
10		384	-318.0	4893.9		
10		84	-318.0	4893.9		,
10		384	-318.0	4893.9		
10		28	-318.0	4893.9		
0.		26.04	-318.0	4893.9		
10	10744 46	4884	-318.0	4893.9		
)[2 R	-318.0	4893.9		r
10		384	-318.0	4893.9		
10		184	-318.0	4893.9		
10		184	-318.0	7893.9		
10		384	-318.0	4893.9		
10	10744 48	88	-318.0	4893.9		
		\$ 8	-318.0	4893.9		
			2,2,2	0.0001		

AZIMUTH [Hardline in Red]						-										-																		•																						
5500	5000		4000	=		٠										,						,							•																											
	356.32 deg		DLS/100																																																					
RIG:	tion: h Hard Line:	East/West Hard Line:	VERT		4693.9			١.																		1															4093.9												4893.9			İ
- -	Target Direction	EastWest	W-H		-318.0									-318.0							ĺ								}.												3,18,0		Į							1			-318.0			
			1	700	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4004	4884	4004	4004	4884	4884	4884	4884	4884	4884	4884	4884	4884	7007 7007	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884
NC	RDX 17-26H 200' FSL & 1425' FEL 17-26S-30E	230' FNL & 1730' FEL 17-26S-30E	INC AZMTH TVD		10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10/44	10744	10744	10/44	10744	10744	10744	10744	10744	10744	10744	10744	10744	10/44	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744	10744
RKIEXPLORATION	WELL: LOCATION:		STATION SURVEY																																													,								

								•																																								
														•																							•											
		- -																								,																		-				
AZIMUTH (Hardine in Red)			_					۰																																								
AZIA		-	_																																	•												
-			_													•		•																														
			=														•																															
5500	5000	4000															•																		•								,		_			
	66 p					T	Ī		Π				Ī				7	Ţ			T			T	Ī		Τ	Γ			7		T	T					T	T	T				T	T	_]
	356.32 deg	DL.S/100								!																																						-
:		VERT.	4893.9	93.9	93.9	63.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	03.0	03.0	93.9																					٥	
, ii	on: Hard Line	ard Line:	46	48	200	48	4	4	48	4	48	40	48	46	46	46	48	46	4	4	4	8 3	4 4	4 4	4.0	48										i												
RIG:	Target Direction: North/South Hard Line:	E-W	-318.0	-318.0	218.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	-318.0	318.0	2,000	310.0	0.00	3180	318.0	-3180	-318.0																						
	(<u>eisir</u>	S N	4884	4884	4004	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	4884	1004	4004	1004	4884	4884	4884	4884								ŀ														
	S-30E					10744					10744			10744										10744		10744																						
	RDX 17-26H 200' FSL & 1425' FEL 17-26S-30E 230' EN! & 1730' EE! 47 366 365	E	11	10	2 2	9	10.	10	10	10	2 9	10	10	10		9	2 5	2 5	0 5	2 2	1	2 5	9	10	10	9						i																
	-26H L & 1425'	C AZMTH																																									-					
NO	200 FSI	NC NC																																														
RKI EXPLORATION		SURVEY																																														
KIEXPI	ä							-																																								
Q	WELL: LOCATION: RHI:	STATION																													Ņ														-			

Section (CALCALLAN)	4500			
RIG:	-26S-30E			
RKIEXPLORATION	WELL: RDX 17-26H LOCATION: 200° FSL & 1425° FEL 17-26S-30E - BHL: 230° FNL & 1730° FEL 17-26S-30E STATION SURVEY NUMBER DEPTH INC AZMTH TVD			

DISTRICT 1
2023 N. French In., 11666. NN ESCAR
Phane: (\$75) 1016 July Parc (\$75) 107 0720
DISTRICT II
811.5 Juni 20., Ariesa NSE EXTO
Physics. (\$75) 746-(201) 201.1975 746-9720
[DISTRICT III
1000 Rein Draton Rei, Ariesa (\$75) 746-0720
DISTRICT IV
2023 N. Francis In., Ariesa (\$75) 746-0720
DISTRICT IV
220 N. Francis In., Sonto Pc., NN E7405
Physics. (\$165) 340-078 Fact (\$101) 470-1462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

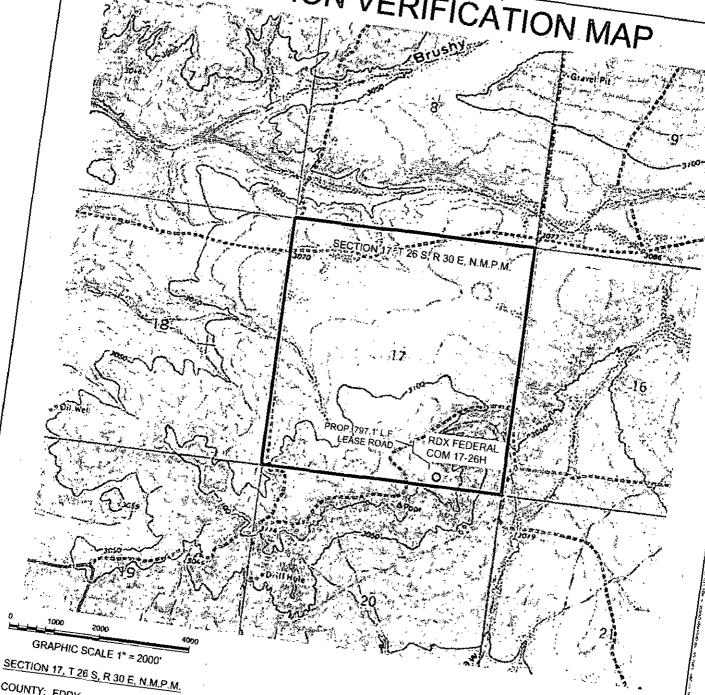
WELL LOCATION AND ACREAGE DEDICATION PLAT

1 .	API Number 015-42752	?		Pool Code 97136		BRUSHY	Pool Name DRAW; WOLF	CAMP (-O-)	
Property 0		,		RD	Property Name X FEDERAL C	OM 17		Well No	
0GRID 24628				RKI EXPL	Operator Name ORATION & P	RODUCTION		-Eleval	
					Surface Locat	ion			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	17	26 S	30 E		200	SOUTH	1425	EAST	EDDY
			Bott	om Hole L	ocation If Diffe	erent From Surfac	e		
UL or lot no.	Section	Fownship	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
· В	17	26 S	30 E		230	NORTH	1730	EAST	EDDY
Dedicated Acres	, Joint or	infill	Consolidated Cor	ie Order	No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

					OPERATOR CERTIFICATION
NW COR SEC 17	N1/4 COR SEC 17	RDX FEDERAL COM	230'	i	I hereby certify that the information contained
NMSP-E (NAD 83)	NMSP-E (NAD 83)	17-26H BHL		730'	herein is true and complete to the best of my
N (Y) = 382117.4'	N (Y) = 382137.7'	NMSP-E (NAD 83)		1730	knowledge and belief, and that this organization
E (X) = 671870.2	E (X) = 674525.3°			NE COR SEC 17	either owns a working interest or unleased
LAT.: 32*02'59.35*N	LAT.:32*02'59 45*N	N(Y) = 381914.8		NMSP-E (NAD 83)	mineral interest in the land including the
LONG.: 103*54'43.26"W	LONG.: 103°54'12.41"W	E (X) = 675449.0	LAST TAKE POINT	N (Y) = 382158.2"	proposed bottom hole location or has a right to
NMSP-E (NAD 27)	NMSP-E (NAD 27)	LAT.= 32"02'57.21"N.	NMSP-E (NAD 83)	E (X) = 677178.6	drill this well at this location pursuant to a
N (Y) = 382059.8'	N (Y) = 382080.1'	LONG.= 103°54'01.69"W.		LAT: 32°02'59.55"N	contract with an owner of such a mineral or
E (X) = 630684.4"	E (X) = 633339.5'		M (V) = 204044 01	LONG.:103"53'41,58"W	working interest, or to voluntary pooling
LAT : 32.0496956°N	LAT.:32.0497226°N	NMSP-E (NAD 27)	£ (V) = 875440 0'		agreement or a compulsory pooling order
LONG:103.9115374*W	* LONG.:103.9029681*W	N (Y) = 381857.2'	LAT.:32°02'56.22"N	NMSP-E (NAD 27)	heretofore entered by the division.
20113 :100:51 100:4 11		£ (X) = 634263.2'	LONG.:103*54*01.69*\	N (Y) = 382100.6'	
,	1 .	LAT.= 32.0490998*N.			
		LONG.= 103.8999896°W.	NMSP-E (NAD 83)	LAT,:32.0497496'N	
Į	Į.	LONG.~ 103.6353050 VV.	14 (1) ~ 30 (13).2	LONG.;103 8944045 W	
1	1		E (X) = 634263.36'		•
	1	1 1	LAT.:32.0488249*N		Signature Date
	1	1 :	LONG.:103.8999903*V	v I	Difficult. Date
1				. 1	[
1				1	
	!		1 1		Print Name
ì	1) ;	;)	1	
,	1	اسا ا	ا ار	j	
1	ŀ	' <u>1</u>	ស្ន'	ī	
1		\{	₩ 1	•	E-mail Address
		'o	σ '		
) (<u>\$</u>	CING AREA		
\ <u></u>		PRODUCING AREA	5'		OUNTED ON CONTROL OF THE PARTY
W1/4 COR SEC 17			PRODU	E1/4 COR SEC 17	SURVEYORS CERTIFICATION
NMSP-E (NAD 83)	i	, <u>k</u>	ğ, l	NMSP-E (NAD 83)	I hereby certify that the well location shown on this
N (Y) = 379460.3		. 1 1	"	N (Y) = 379499.9'	plat was piotted from field notes of actual surveys
E (X) = 671877.8'	ļ	į '	'	E (X) = 677183.8	made by me or under my supervision, and that the
LAT.: 32*02*33,06*N	1	ŧ !	1 1	LAT.: 32"02"33.24"N	same is true and correct to the best of my belief.
LONG.:103*54'43.30"W	1 .	\	. ,	LONG::103°53'41.65"W	
NMSP-E (NAD 27)		1 1	1 1	NMSP-E (NAD 27)	SEPTEMBER 2, 2014 (REVISED 08/25/15)
N (Y) = 379402.8'		'	'	N (Y) = 379442.4'	
E (X) = 630691.9'		1 1	FIRST TAKE POINT	E (X) = 635997.8*	Date of Survey
LAT.: 32.0423914°N	1	į l		LAT., 32.0424421°N	
LONG::103.9115469°W	1	1 1	NMSP-E (NAD 83)	LONG::103.8944228*W	Signature and Seal of Professional Surveyor:
CONTRACTOS:STITUTES IN		ţ (330' FSL,1730' FEL	į.	WELL THE WAY
1	i		N (Y) = 377158.9"		Signature and Seal of Professional Streeton, OMO
<u> </u>		ROX FEDERAL COM .	-E (X) = 675458.1' -	SE COR SEC 17	3/8/6/3
1		17-26H SHL	LAT.:32"02'10.14"N	NMSP-E (NAD 83)	13/5/ 10/10/1
I .	į	NMSP-E (NAD 83)	LONG::103"54"01.80"W	N (Y) = 376840.91	11 1 1 1 1 1 1 1 1
SW COR SEC 17	S1/4 COR SEC 17		NMSP-E (NAD 27)	E (X) = 677168.7'	14729
NMSP-E (NAD 83)	NMSP-E (NAD 83)	N (Y) = 377031.0'		LAT.:32°02'06.93"N	
N (Y) = 376803.1		E (X) = 675763.3	N (Y) = 377101.4	LONG.:103*53'41.72"W	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
E (X) = 671884.0	N (Y) = 376822.4'	LAT.= 32°02'08.87"N.	E (X) = 634272.11	NMSP-E (NAD 27)	
LAT.:32*02'06.76"N	E (X) = 674535.2'	LONG.= 103°53'58,27"W.	LAT.:32.0360259°N	N (Y) = 376783.4°	
LONG.:103*54'43.34"W	LAT.:32°02'06.85"N	NMSP-E (NAD 27)	LONG.:103.9000225°W	E (X) = 636002.6°	
	LONG.:103"54'12.54"W		· · · · · · · · · · · · · · · · · · ·	LAT::32.0351327°N	W. M. Manetrion St.
NMSP-E (NAD 27)	NMSP-E (NAD 27)	N (Y) = 376973.5'	1	LONG.:103.8944422°W	VILME CONTURNATION
N (Y) = 376745.6'	$N(Y) = 378765.0^{\circ}$	E (X) = 634577.3' -	o)		
E(X) = 630698.0	E (X) = 633349.2°	LAT.= 32.0356710°N.		-1425'- 	Job No.: WTC50856
LAT.:32.0350868*N	LAT.:32.0351113°N	LONG.= 103.8990393°W.	200' i	1420	
LONG.:103.9115606*W	LONG::103.9030049*W	TOMO". 103'9880383, M'	200		JAMES E. TOMPKINS 14729
					Certificate Number

LOCATION VERIFICATION MAP

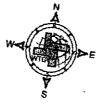


COUNTY: EDDY

STATE: NM DESCRIPTION: 200' FSL & 1425' FEL

OPERATOR: RKI EXPLORATION & PRODUCTION

WELL NAME: RDX FEDERAL COM 17-26H



DRIVING DIRECTIONS:

Beginning at US 285 at the Texas-New Mexico State line go Northerly 3.7 miles to CR 725 (Longhorn Road). On CR 725 go East, South & Southeast for approx. 7.3 miles to a "Y" Take the left fork going Northeasterly for approx. 1.4 miles to a Yake right fork going Easterly for approx. 2.2 miles to a "Y". Take left fork going East for approx. 1.8 miles to beginning of a proposed lease road right from which the location flag is 797 feet southeast.

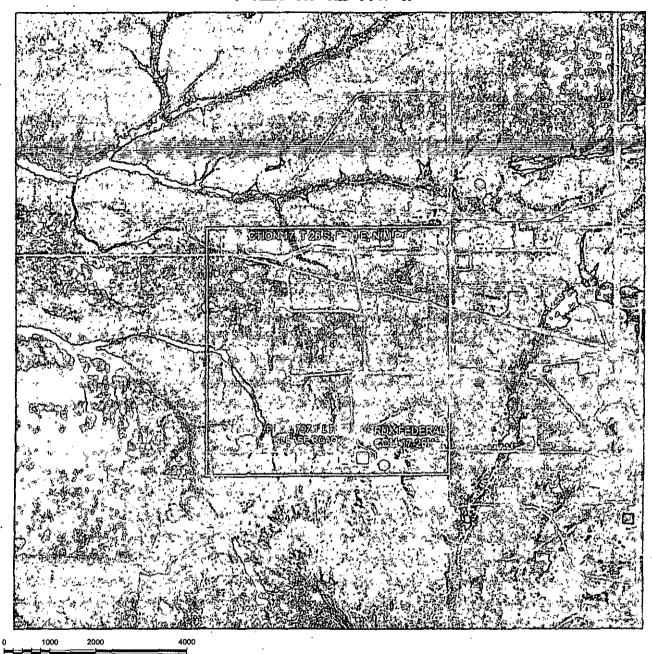


WEST TEXAS CONSULTANTS, INC.
ENGINEERS PLANNERS SURVEYORS
405 S.W. 181. STREET
ANDREWS, TEXAS 78714
(432) 523-2181

RKI EXPLORATION & PRODUCTION

JOB No.: WTC50856

AERIAL MAP



GRAPHIC SCALE 1" = 2000'

SECTION 17, T 26 S, R 30 E, N.M.P.M.

COUNTY: EDDY

STATE: NM

DESCRIPTION: 200' FSL & 1425' FEL

OPERATOR: RKI EXPLORATION & PRODUCTION

WELL NAME: RDX FEDERAL COM 17-26H



DRIVING DIRECTIONS:

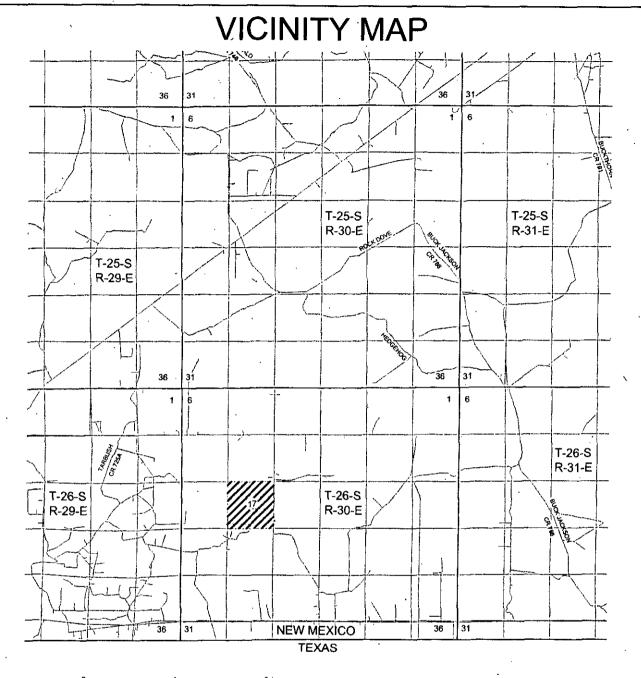
Beginning at US 285 at the Texas-New Mexico State line go Northerly 3.7 miles to CR 725 (Longhorn Road). On CR 725 go East, South & Southeast for approx. 7.3 miles to a "Y". Take the left fork going Northeasterly for approx. 1.4 miles to a "Y". Take right fork going Easterly for approx. 2.2 miles to a "Y": Take left fork going East for approx. 1.8 miles to beginning of a proposed lease road right from which the location flag is 797 feet southeast.



WEST TEXAS CONSULTANTS, INC.
ENGINEERS PLANNERS SURVEYORS
405 S.W. 161. STREET
ANDREWS, TEXAS 79714
(432) 523-2181

RKI EXPLORATION & PRODUCTION

JOB No.: WTC50856



2 4

GRAPHIC SCALE 1" = 2 MILES

SECTION 17, T 26 S, R 30 E, N.M.P.M.

COUNTY: EDDY

STATE: NM

DESCRIPTION: 200' FSL & 1425' FEL

OPERATOR: RKI EXPLORATION & PRODUCTION

WELL NAME: RDX FEDERAL COM 17-26H



DRIVING DIRECTIONS:

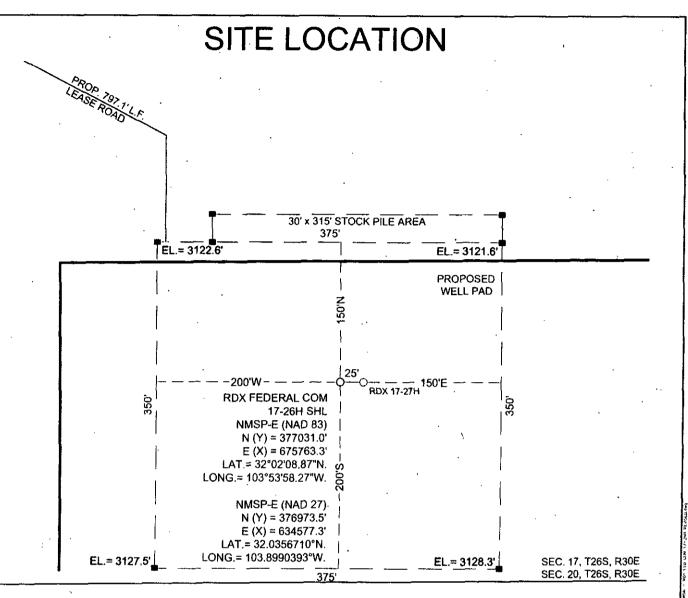
Beginning at US 285 at the Texas-New Mexico State line go Northerly 3.7 miles to CR 725 (Longhorn Road). On CR 725 go East, South & Southeast for approx. 7.3 miles to a "Y". Take the left fork going Northeasterly for approx. 1.4 miles to a "Y". Take right fork going Easterly for approx. 2.2 miles to a "Y". Take left fork going East for approx. 1.8 miles to beginning of a proposed lease road right from which the location flag is 797 feet southeast.



WEST TEXAS CONSULTANTS, INC. ENGINEERS PLANNERS SURVEYORS 405 S.W. 181. STREET ANDREWS, TEXAS 79714 (432) 523-2181

RKI EXPLORATION & PRODUCTION

JOB No.: WTC50856





GRAPHIC SCALE 1" = 100"

SECTION 17, T 26 S, R 30 E, N.M.P.M.

COUNTY: EDDY

STATE: NM

DESCRIPTION: 200' FSL & 1425' FEL

OPERATOR: RKI EXPLORATION & PRODUCTION

WELL NAME: RDX FEDERAL COM 17-26H



DRIVING DIRECTIONS:

Beginning at US 285 at the Texas-New Mexico State line go Northerly 3.7 miles to CR 725 (Longhorn Road). On CR 725 go East, South & Southeast for approx. 7.3 miles to a "Y". Take the left fork going Northeasterly for approx. 1.4 miles to a "Y". Take right fork going Easterly for approx. 2.2 miles to a "Y". Take left fork going East for approx. 1.8 miles to beginning of a proposed lease road right from which the location flag is 797 feet southeast.



WEST TEXAS CONSULTANTS, INC.
ENGINEERS PLANNERS SURVEYORS
405 S.W. 181. STREET
ANDREWS, TEXAS - 79714
(432) 523-2181

RKI EXPLORATION & PRODUCTION

OB No.: WTC50856