District I State of New Mexico Form C-102 1625 N. French Dr., Hobbs, NM 88240 Revised August 1, 2011 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION Revised August 1, 2011 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 **District** Office District III 1220 South St. Francis Dr. MAR 1 8 2016 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 AMENDED REPORT Santa Fe, NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 RECEIVED Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT ¹ API Number ² Pool Code ³ Pool Name 30-025-35678 61760 North Vacuum (Abo) ⁴ Property Code ⁵ Property Name ⁶ Well Number North Vacuum Abo North Unit (formerly State VII, 7) 62

⁸ Operator Name

Lime Rock Resources II-A, LP

Feet from the

Feet from the

¹⁰ Surface Location

660

" Bottom Hole Location If Different From Surface

North/South line

North/South line

Feet from the

Feet from the

660

⁷OGRID No.

Section Township

Section Township

¹³ Joint or Infill

17S

Range

Range

¹⁴ Consolidation Code

34E

Lot Idn

Lot Idn

¹⁵ Order No.

UL or lot no.

UL or lot no.

¹² Dedicated Acres

A

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.

16		-099 660'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
			Carla Martin 3/17/16 Signature Date Carla Martin Printed Name <u>crmartin@limerockresources.com</u> E-mail Address
			¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
			Signature and Seal of Professional Surveyor:

MAR 2 2 7016

Elevation

4033' GL

County

County

Lea

East/West line

East/West line

E

HOBBS OCD

MAR 1 8 2016

	OPERATOR: LRR II-A, LP		ASE / WELL: SURVEY: Sec 1, T17S, R34E COUNTY (STATE: SURVEY: Sec 1, T17S, R34E					Est .	1.4	Property No. RECEN				
C All	COMPLETION RIG:			COUNTY / STATE: SURFACE LOCATION: Lea County, NM 660' FNL & 660' FEL							North Vacuum			
D	IRECTIONAL DAT	Δ		And Address of the local division of the		TU	BULAR D	ΔΤΔ			101 100	W	ELLHEAD	DATA
	STRAIGHT	HOLE		bulars	Size	Weight	Grade	Thread	Тор	MD	SKS	TYPE		PATA
V: PERFS:	deg @ deg @	MD			20"				0'	92'	-	WP T	FLANGE:	
PERFS:	deg @	MD	SURFACE	1	11-3/4"		H-40	STC	0'	1610'	790	R	C	111
PERFS:	deg @	MD	PRODUC		8-5/8" 4-1/2"	32# 11.6#	K-55 P-110	LTC	0'	5020' 12,732'	1,190	E	P THREAD:	
	NG / COMPLETION	N FLUID	PROD TIE		1 112		1 110	210		12,102	1,000		G HANGER:	
g Fluid: g Fluid.			PROD LIN										W FLANGE:	
G FLUID:	ppg -		TUBING		2-3/8"	4.7#	N-80	8rd	0'	12400'	1		ATIONS:	GROUNE
FLUID:	UID: ppg - ppg -		COILED T	UBING								RKB-DF		ELEVATIO
	WELLBORE SK	FTCH		Rate	C. S. C. C. C.	FOLIPM		RIPTION		and the second	ID	OD	DEPTH	DEPT
1000	DRAWING NOT TO			EQUIPMENT DESCRIPTION							ID ID	00	TVD	MD
				1	1.1.3	1	TA'd We	11	2 2		1920		127	1
			1. Contraction	hole in 8-5/8" o	sg @ 700' -	pumped 300 sxs	down 4-1/2" x	8-5/8" annulus ,	circ to surfa	ce		1.126	1.52.52	
			Sec.	11-3/4" su	urface cs	g @ 1610'	- cmt'd w/	790 sxs to :	surface	-				
0				TOC @ 174	0' (TS)								1.1	
-					1		1995			10		100		
1		and con		TOC @ 200	U'				TR.	1.1 1.2		10.5		100
				8-5/8" inte	ermediat	e csg @ 50	20' - cmť	d w/1190 sx	s	127				
			Tubing Detail (Sept-02):											
			386 jts 2-3/8" 4.7# N-80 8rd tubing									1.6.1	23526	
10		22		PX plug								1 1 10	15/41	1450 5 3
1			5			ble packer @	12,185' w/1	.875" profile r	hipple w/ P	X plug		Contraction of the second	1	and the second
		1		6' 2-3/8" sul	b	Carlo and								
A.				1.875" SN 4' 2-3/8" sut	h.	Part and		1	1	-				-
		COL.		4 2-3/0 Su		13/5	-	1						
		1		-	-			100 Mar						
		8		DV tool @ 8	1498'		1.11		15	1				1821
		1			1	1111	-	-	-					
		_		Proposed p	erfs ~8820	0'-8950'			6			-		
							1000					-		
		1.4								The set			1237	1.000
				TOC @ 11,4	175'	1	1.1.1.1			- 1				
2015		100						1				126		
Clerch									No.	1.16.5				
and a second		1		Atoka perfs	@ 12,280	'-98'		and an	1997 - 19				1000	
Sec.44		-			1.	1.1			1					
Ser.				Permanent	packer @	12,406' w/1 jt	2-3/8" tubi	ng, a 4' sub				1111		
and other				CIBP @ 12,4	469'				3			18/1		
1000								2'-18', & 12,62 6 HCl, 70/30 Meth				-		
AL AN		11.11			50Q CO2 Moi		. Sir Diana 109	, rorad meth						
10.000		5.110		4-1/2" pro	duction	csg @ 12,7	'32' - cmt'	d w/1380 sx	s					
No.		and a second	4-1/2" production csg @ 12,732' - cmt'd w/1380 sxs COMMENTS: Working Interest:								PLUG BAC		-	
1	PBTD 12,722'			API # Property#		30-025-35671		Net Revenue	interest:			ARED OR	DATE:	
1	TD 12,750'			Spud Date: Completed in								ISED BY:		2/2015

	OPERATOR: LRR II-A, LP	NVANU 62	LEASE / WELL: SURVEY: NVANU 62 (was State VII, 7) Sec 1, 117S, R34E							Property No.				
	COMPLETION RIG:		COUNTY / STATE: SURFACE LOCATION: Lea County, NM 660' FNL & 660' FEL						FIELD: North Vacuum					
DIR	RECTIONAL DATA		TUBULAR DATA							WELLHEAD DATA				
OP:	STRAIGHT HOLE	Tubulars	Size	Weight	Grade	Thread	Тор	MD	SKS	TYPE	Intelect Charles	PATA		
AX DEV: EV @ PERFS:		MD DRIVE PIPE MD CONDUCTOR	20"		-		0'	92'		WP T	FLANGE:			
EV @ PERFS:	deg @ N	MD SURFACE	11-3/4"	42#	H-40	STC	0'	1610'	790	R	C	1.1.1		
EV @ PERFS:	deg @ N	INTERMEDIATE PRODUCTION	8-5/8" 4-1/2"	32# 11.6#	K-55 P-110	LTC	0'	5020' 12,732'	1,190	E	P THREAD:			
	G / COMPLETION FLUID	PROD TIEBACK	4 112		1 110	LIG		12,702	1,000		IG HANGER:			
RILLING FLUID: RILLING FLUID:	PP9 - PP9 -	PROD LINER PROD LINER	-								TM FLANGE: PV PROFILE:			
RILLING FLUID:	ppg -	TUBING								ELEVATIONS:		GROUND		
OMPLETION FLUID	D: ppg - ppg -	COILED TUBING					12.57	1	and services	RKB-ELEV		ELEVATIC 4033'		
	FFG						11-12-				180,201	1.0 4		
	WELLBORE SKETCH			EQUIPME	NT DESC	RIPTION			ID	OD	DEPTH	DEPT		
I	DRAWING NOT TO SCALE			191				1.2.616	1000					
				PROP	OSED V	VELL					189.56			
				Jacob .		Said	14				X			
		hole in 8-5	V8" csg @ 700' - pur	mped 300 sxs d	own 4-1/2" x 8	-5/8" annulus , c	irc to surface		11	-		1		
		11-3/4"	' surface csg	@ 1610' -	cmt'd w/	790 sxs to	surface	2						
				0.010							15.00			
		TOC @ 1	1740' (TS)	12.348		and a second	18.20	1.1				- 33		
			1		616	Wall S.		2.			12.5			
		TOC @ 2	2000'	1.5		122.2	MA	199						
and a			100			The Real								
		9.5/9"	intermediate	CS0 @ 50	20' . cmt's	w/1100 cm	re.	-	-	-				
		0-5/0	intermediate	- og @ 50/	chitte						-			
and an				15. 1	1.515	1000				50.0		1.50		
140		Propose	d Tubular Insta	llation:	2012.0	AR AN	6		Jone 1		1.000			
1		Rod pur	np, TA @ ~8450	', SN@ ~897	5', & EOT @	D ~9150'						1000		
No.			1	St. Che	50.00	1.1.1.1		- 61-		1	10010			
				1000	1100		1				-			
			Che c	2							-			
- B	90000	DV tool	@ 8498'			10160305	1							
					The state	S. A.F.	5		1.11					
			Sec. and	13 M.	1.19	1.2	2.11		1.2.3	585		144		
		Propose	ed perfs ~8820'-0	8950'	With the		4				1			
8. 10	U		A Contract	1		1	_			-		1		
				10.05	2 31-1	Real Providence		-						
		saz perf	's @ 9600' - circ	cmt to abov	e Abo	1			-	Cong.				
1. A. A.		-				1207		1.00		-				
1.20	Activity of the second		2415310		ALC: NO	1.1.1.1					-	198		
05	0	TOC @ 1	11,475'	S. Server										
1			A POLLS		anite s				1			1		
a and	CARAN DUNCTION OF THE			01 + 001	1216									
and a		-	erfs @ 12,280'-9	and the second second		and the second								
			12,200-9	•		and the second								
	101.3						-							
22	8	dump ba	ail 35' cmt on pk	r	12				15		10000			
		Permane	ent packer @ 12	2,406' w/1 jt 2	2-3/8" tubin	g, & 4' sub								
			AND THE	Solut.		Sec. Sec.	Ser.		1973			0.28		
		CIBP @	12,469'		1	a della	12			1	-			
			norfs @ 13 554	57' 12 504'	08' 12 642	.18' 8 13 634	-27' /8	1	1					
1000		- Morrow	20 bbls 15% HC			-18 , & 12,621 HCl, 70/30 Metha								
300			50Q CO2 Morro					12 13						
1000			1.12	13.10	194 B	Search Sa	· · · · · · ·	1	19.6		12240			
		4-1/2"	production ca	sg @ 12,73	32' - cmťo	d w/1380 s	cs				16.23			
		COMMEN	ITS:		1977	Working Inte	rest:		PLUG BACK	DEPTH:				
Chef.	PBTD 12,722'	API#		0-025-35678		Net Revenue	Interest:		TOTAL WEL		-			
10		Property: Spud Dat								ARED OR SED BY:	DATE:			
-	TD 12,750'	Complete								cml	3/1	7/2016		