

District I  
1625 N. French Dr., Hobbs, NM 88240  
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 III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

HOBBS OCD

MAR 18 2016

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WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-35678	<sup>2</sup> Pool Code 61760	<sup>3</sup> Pool Name North Vacuum (Abo)
<sup>4</sup> Property Code	<sup>5</sup> Property Name North Vacuum Abo North Unit (formerly State VII, 7)	
<sup>7</sup> OGRID No.	<sup>8</sup> Operator Name Lime Rock Resources II-A, LP	<sup>6</sup> Well Number 62 <sup>9</sup> Elevation 4033' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	1	17S	34E		660	N	660	E	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> 	<sup>17</sup> 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.	
	Signature Carla Martin	Date 3/17/16
	Printed Name Carla Martin E-mail Address cmartin@limerockresources.com	
<sup>18</sup> 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.	Date of Survey	
	Signature and Seal of Professional Surveyor:	
	Certificate Number	

MAR 22 2016



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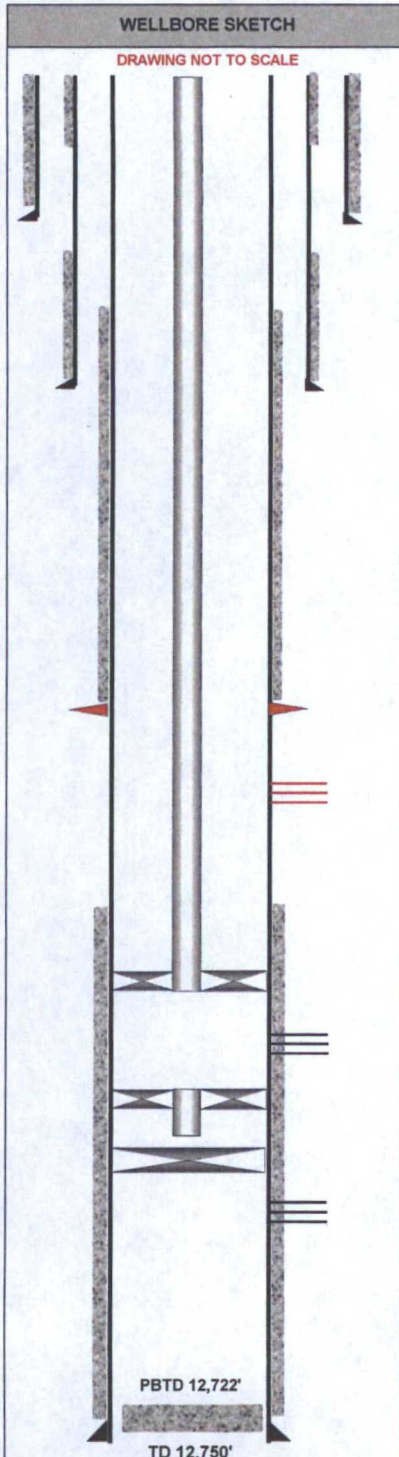
OPERATOR: <b>LRR II-A, LP</b>	LEASE / WELL: <b>State VII, 7 (became NVANU 62)</b>	SURVEY: <b>Sec 1, T17S, R34E</b>	Property No.
COMPLETION RIG:	COUNTY / STATE: <b>Lea County, NM</b>	SURFACE LOCATION: <b>660' FNL &amp; 660' FEL</b>	FIELD: <b>North Vacuum</b>

DIRECTIONAL DATA		
KOP:	STRAIGHT HOLE	
MAX DEV:	deg @	MD
DEV @ PERFS:	deg @	MD
DEV @ PERFS:	deg @	MD
DEV @ PERFS:	deg @	MD

DRILLING / COMPLETION FLUID		
DRILLING FLUID:	ppg -	
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DRILLING FLUID:	ppg -	
COMPLETION FLUID:	ppg -	
PACKER FLUID:	ppg -	

TUBULAR DATA							
Tubulars	Size	Weight	Grade	Thread	Top	MD	SKS
DRIVE PIPE							
CONDUCTOR	20"				0'	92'	
SURFACE	11-3/4"	42#	H-40	STC	0'	1610'	790
INTERMEDIATE	8-5/8"	32#	K-55	LTC	0'	5020'	1,190
PRODUCTION	4-1/2"	11.6#	P-110	LTC	0'	12,732'	1,380
PROD TIEBACK							
PROD LINER							
PROD LINER							
TUBING	2-3/8"	4.7#	N-80	8rd	0'	12400'	
COILED TUBING							

WELLHEAD DATA	
TYPE	
WP	
T	C A P
R	
E	
E	
TUBING HANGER:	
BTM FLANGE:	
BPV PROFILE:	
ELEVATIONS:	
RKB-DF:	GROUND ELEVATION
RKB-ELEV:	4033'



EQUIPMENT DESCRIPTION	ID	OD	DEPTH TVD	DEPTH MD
<b>TA'd Well</b>				
hole in 8-5/8" csg @ 790' - pumped 300 sxs down 4-1/2" x 8-5/8" annulus, circ to surface				
11-3/4" surface csg @ 1610' - cmt'd w/790 sxs to surface				
TOC @ 1740' (TS)				
TOC @ 2000'				
8-5/8" intermediate csg @ 5020' - cmt'd w/1190 sxs				
Tubing Detail (Sept-02):				
386 jts 2-3/8" 4.7# N-80 8rd tubing				
PX plug				
4-1/2" AS1-X retrievable packer @ 12,185' w/1.875" profile nipple w/ PX plug				
6' 2-3/8" sub				
1.875" SN				
4' 2-3/8" sub				
DV tool @ 8498'				
Proposed perms ~8820'-8950'				
TOC @ 11,475'				
Atoka perms @ 12,280'-98'				
Permanent packer @ 12,406' w/1 jt 2-3/8" tubing, & 4' sub				
CIBP @ 12,469'				
Morrow perms @ 12,551'-57', 12,604'-08', 12,612'-18', & 12,621'-27' (6 spf)				
20 bbls 15% HCl, 10 bbls Morrow blend 10% HCl, 70/30 Methanol, 3600 gal				
50Q CO2 Morrow blend				
4-1/2" production csg @ 12,732' - cmt'd w/1380 sxs				
COMMENTS:	Working Interest:	PLUG BACK DEPTH:		
API # 30-025-35678	Net Revenue Interest:	TOTAL WELL DEPTH:		
Property#		PREPARED OR	DATE:	
Spud Date:		REVISED BY:		9/2/2015
Completed in		cml		

CURRENT

DIRECTIONS TO LOCATION: Directions to well needed.



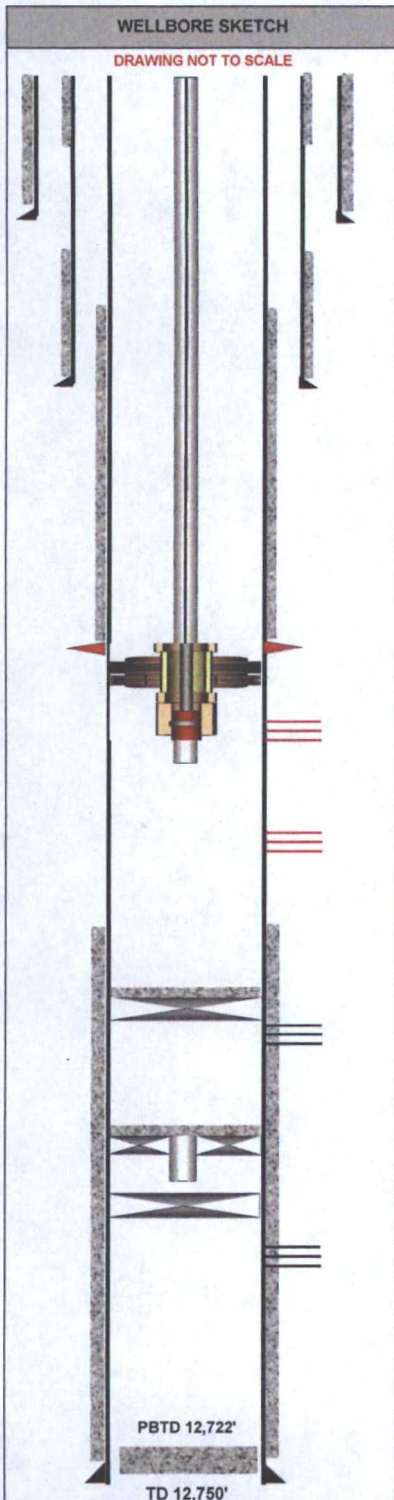
OPERATOR: <b>LRR II-A, LP</b>	LEASE / WELL: <b>NVANU 62 (was State VII, 7)</b>	SURVEY: <b>Sec 1, T17S, R34E</b>	Property No.
COMPLETION RIG:	COUNTY / STATE: <b>Lea County, NM</b>	SURFACE LOCATION: <b>660' FNL &amp; 660' FEL</b>	FIELD: <b>North Vacuum</b>

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DEV @ PERFS:	deg @	MD
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DRILLING FLUID:	ppg -	
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COMPLETION FLUID:	ppg -	
PACKER FLUID:	ppg -	

TUBULAR DATA						
Tubulars	Size	Weight	Grade	Thread	Top	MD
DRIVE PIPE						
CONDUCTOR	20"				0'	92'
SURFACE	11-3/4"	42#	H-40	STC	0'	1610'
INTERMEDIATE	8-5/8"	32#	K-55	LTC	0'	5020'
PRODUCTION	4-1/2"	11.6#	P-110	LTC	0'	12,732'
PROD TIEBACK						
PROD LINER						
PROD LINER						
TUBING	2-3/8"	4.7#	N-80	8rd	0'	12400'
COILED TUBING						

WELLHEAD DATA	
TYPE	
WP	
T	FLANGE:
R	
E	THREAD:
P	
TUBING HANGER:	
BTM FLANGE:	
BPV PROFILE:	
ELEVATIONS:	GROUND ELEVATION
RKB-DF:	
RKB-ELEV:	4033'



EQUIPMENT DESCRIPTION	ID	OD	DEPTH TVD	DEPTH MD
<b>PROPOSED WELL</b>				
<i>hole in 8-5/8" csg @ 700' - pumped 300 sxs down 4-1/2" x 8-5/8" annulus, circ to surface</i>				
11-3/4" surface csg @ 1610' - cmt'd w/790 sxs to surface				
TOC @ 1740' (TS)				
TOC @ 2000'				
8-5/8" intermediate csg @ 5020' - cmt'd w/1190 sxs				
<i>Proposed Tubular Installation:</i>				
<i>Rod pump, TA @ ~8450', SN@ ~8975', &amp; EOT @ ~9150'</i>				
<i>DV tool @ 8498'</i>				
<i>Proposed perfs ~8820'-8950'</i>				
<i>sqz perfs @ 9600' - circ cmt to above Abo</i>				
TOC @ 11,475'				
<i>Proposed CIBP @ 12,230' + 20' cmt</i>				
Atoka perfs @ 12,280'-98'				
<i>dump ball 35' cmt on pkr</i>				
Permanent packer @ 12,406' w/1 jt 2-3/8" tubing, & 4' sub				
CIBP @ 12,469'				
Morrow perfs @ 12,551'-57', 12,604'-08', 12,612'-18', & 12,621'-27' (6 spf)				
<i>20 bbls 15% HCl, 10 bbls Morrow blend 10% HCl, 70/30 Methanol, 3600 gal</i>				
<i>50Q CO2 Morrow blend</i>				
4-1/2" production csg @ 12,732' - cmt'd w/1380 sxs				
COMMENTS:	Working Interest:	PLUG BACK DEPTH:		
API # 30-025-35678	Net Revenue Interest:	TOTAL WELL DEPTH:		
Property#		PREPARED OR		
Spud Date:		REVISED BY:		
Completed in		DATE:		
		cml		
		3/17/2016		

**PROPOSED**

DIRECTIONS TO LOCATION: Directions to well needed.