

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

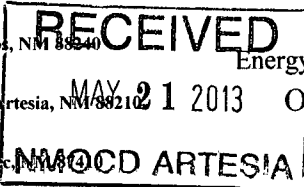
1301 W. Grand Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87414

**District IV**

1220 S. St. Francis Dr., Santa Fe, NM 87505



State of New Mexico

Energy, Minerals &amp; Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**AS DRILLED**☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-41080	<sup>2</sup> Pool Code 96210	<sup>3</sup> Pool Name Empire, Glorieta-Yeso
<sup>4</sup> Property Code 309901	<sup>5</sup> Property Name AID 24 STATE	<sup>6</sup> Well Number 24
<sup>7</sup> OGRID No. 281994	<sup>8</sup> Operator Name LRE OPERATING, LLC.	<sup>9</sup> Elevation 3699' 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
K	24	17-S	28-E		2420	SOUTH	1590	WEST	EDDY

**<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
K	24	17-S	28-E		2311	SOUTH	1645	WEST	EDDY

<sup>12</sup> Dedicated Acres 40	<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.

				<b><sup>17</sup> OPERATOR CERTIFICATION</b> <i>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.</i>  Signature <u>Mike Pippin</u> Date <u>5/20/13</u> Mike Pippin Printed Name
				<b><sup>18</sup> SURVEYOR CERTIFICATION</b> <i>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.</i> 12/22/12 Date of Survey Signature and Seal of Professional Surveyor: Filmon F. Jaramillo 12797 Certificate Number

<b>Customer:</b> Lime Rock Energy	<b>Rig:</b> #22	<b>SHL X:</b>
<b>Lease, Well No.:</b> AID 24 State #24	<b>Job No.:</b> CD-13040	<b>SHL Y:</b>
<b>County or Parrish:</b> Eddy County	<b>Location or Area:</b> Artesia New Mexico	<b>Mag.Decl.:</b> 7.66

**CHILDRESS  
DIRECTIONAL  
DRILLING**

		<i>Sensor</i>			
		<b>Calculated f/ Targets</b>	<b>TVD</b>		
		<b>KBTVD (@ 0° VS)</b>	<b>N-S</b>		
		<b>Dip Angle (+Dn/-Up)</b>	<b>E/-W</b>		

Tie-In Survey Co.: N/A						Minimum Curvature Calculations			Rates / 100' M.D.		Dist f/ Target Line	
Surveying Company: Childress Directional						Proposed Azimuth: 151.73°			Build or	R or -L	Course	Above or
Survey No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	V. SECT.	DLS / 100'	-Drop	-Turn	Length	-Below
Tie-In	0.00	0.00	0.00	0.00'	0.00'	0.00'	0.00'	0.00°				Right or

1.	488.00	0.00	0.00	488.00'	0.00'	0.00'	0.00'	0.00°				
2.	557.00	0.30	212.60	557.00'	-0.15'	-0.10'	0.09'	0.43°				
3.	621.00	2.30	166.70	620.98'	-1.54'	0.11'	1.41'	3.28°				
4.	684.00	4.10	157.80	683.88'	-4.86'	1.25'	4.87'	2.96°				
5.	748.00	3.30	159.90	747.75'	-8.71'	2.75'	8.97'	1.27°				
6.	811.00	4.10	161.10	810.61'	-12.54'	4.10'	12.99'	1.28°				
7.	875.00	6.10	152.70	874.36'	-17.73'	6.40'	18.64'	3.33°				
8.	938.00	8.00	149.00	936.88'	-24.46'	10.19'	26.37'	3.10°				
9.	1002.00	9.40	147.60	1,000.14'	-32.69'	15.29'	36.03'	2.21°				
10.	1097.00	9.10	148.80	1,093.91'	-45.67'	23.34'	51.27'	0.38°				
11.	1192.00	8.40	150.40	1,187.80'	-58.13'	30.66'	65.71'	0.78°				
12.	1287.00	7.70	150.70	1,281.86'	-69.71'	37.20'	79.01'	0.74°				
13.	1382.00	6.90	152.20	1,376.09'	-80.31'	42.98'	91.08'	0.87°				
14.	1478.00	6.30	152.00	1,471.46'	-90.06'	48.14'	102.12'	0.63°				
15.	1572.00	4.40	146.70	1,565.04'	-97.63'	52.54'	110.87'	2.09°				
16.	1667.00	3.30	146.00	1,659.83'	-102.94'	56.07'	117.22'	1.16°				
17.	1763.00	2.00	158.00	1,755.72'	-106.79'	58.24'	121.63'	1.47°				
18.	1858.00	0.40	148.80	1,850.70'	-108.61'	59.03'	123.61'	1.69°				
19.	1953.00	0.50	184.00	1,945.70'	-109.30'	59.18'	124.29'	0.30°				
20.	2048.00	0.60	169.40	2,040.69'	-110.21'	59.24'	125.12'	0.18°				
21.	2143.00	0.50	314.40	2,135.69'	-110.41'	59.03'	125.20'	1.10°				
22.	2238.00	0.60	310.90	2,230.69'	-109.79'	58.36'	124.34'	0.11°				
23.	2334.00	0.40	298.60	2,326.68'	-109.30'	57.69'	123.59'	0.24°				
24.	2429.00	0.60	305.10	2,421.68'	-108.86'	56.99'	122.86'	0.22°				
25.	2524.00	0.50	277.80	2,516.67'	-108.51'	56.17'	122.18'	0.29°				
26.	2619.00	0.50	300.70	2,611.67'	-108.25'	55.41'	121.58'	0.21°				
27.	2714.00	0.70	277.70	2,706.67'	-107.96'	54.47'	120.88'	0.33°				
28.	2809.00	0.10	114.00	2,801.66'	-107.91'	53.97'	120.60'	0.84°				
29.	2904.00	0.40	83.90	2,896.66'	-107.91'	54.38'	120.80'	0.33°				
30.	2999.00	0.30	74.30	2,991.66'	-107.81'	54.95'	120.97'	0.12°				
31.	3095.00	0.40	67.10	3,087.66'	-107.61'	55.50'	121.06'	0.11°				
32.	3190.00	0.40	63.60	3,182.66'	-107.33'	56.10'	121.10'	0.03°				
33.	3285.00	0.50	52.30	3,277.65'	-106.93'	56.73'	121.05'	0.14°				
34.	3380.00	0.50	27.20	3,372.65'	-106.31'	57.25'	120.74'	0.23°				
35.	3475.00	0.50	6.10	3,467.65'	-105.53'	57.48'	120.17'	0.19°				
36.	3570.00	0.30	30.00	3,562.64'	-104.90'	57.65'	119.69'	0.27°				
37.	3665.00	0.40	358.50	3,657.64'	-104.35'	57.76'	119.27'	0.22°				
38.	3760.00	0.10	356.80	3,752.64'	-103.94'	57.75'	118.89'	0.32°				
39.	3855.00	0.30	288.60	3,847.64'	-103.78'	57.51'	118.64'	0.29°				

