

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 87410

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

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

RECEIVED

MAY 31 2013

Submit to Appropriate District Office
NM OCD ARTESIA

Form C-102
Revised October 12, 2005
State Lease - 4 Copies
Fee Lease - 3 Copies

AS DRILLED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41082	² Pool Code 96210	³ Pool Name Empire, Glorieta-Yeso
⁴ Property Code 309901	⁵ Property Name AID 24 STATE	⁶ Well Number 27
⁷ OGRID No. 281994	⁸ Operator Name LRE OPERATING, LLC.	⁹ Elevation 3679' GL

¹⁰ Surface Location

UL or lot no. N	Section 24	Township 17-S	Range 28-E	Lot Idn	Feet from the 190	North/South line SOUTH	Feet from the 2390	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

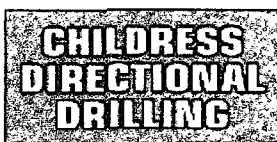
UL or lot no. N	Section 24	Township 17-S	Range 28-E	Lot Idn	Feet from the 341	North/South line SOUTH	Feet from the 2272	East/West line WEST	County EDDY
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				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. Signature <u>Mike Pippin</u> Date <u>5/30/13</u> Printed Name <u>Mike Pippin</u>	
				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. 12/26/12 Date of Survey Signature and Seal of Professional Surveyor: Filmon F. Jaramillo 12797 Certificate Number	
2272' 2390' BOTTOM HOLE AS DRILLED SURFACE 341' 190'					

42.	2240.00	1.10	315.80	2,222.44'	166.18'	-128.36'	209.97'	1.28°
43.	2271.00	1.20	312.60	2,253.43'	166.61'	-128.81'	210.59'	0.38°
44.	2303.00	1.10	310.00	2,285.43'	167.03'	-129.29'	211.22'	0.35°
45.	2400.00	0.40	57.80	2,382.42'	167.81'	-129.71'	212.10'	1.32°
46.	2463.00	0.70	121.60	2,445.42'	167.73'	-129.20'	211.72'	1.01°
47.	2527.00	0.90	136.00	2,509.41'	167.16'	-128.52'	210.85'	0.44°
48.	2590.00	0.90	132.10	2,572.41'	166.47'	-127.81'	209.88'	0.10°
49.	2653.00	0.90	133.50	2,635.40'	165.80'	-127.08'	208.90'	0.03°
50.	2717.00	0.80	153.40	2,699.39'	165.06'	-126.52'	207.97'	0.48°
51.	2779.00	0.60	123.00	2,761.39'	164.49'	-126.05'	207.23'	0.67°
52.	2843.00	1.10	130.70	2,825.38'	163.91'	-125.30'	206.32'	0.80°
53.	2906.00	0.70	114.20	2,888.37'	163.36'	-124.50'	205.39'	0.75°
54.	2969.00	0.90	131.80	2,951.37'	162.87'	-123.78'	204.57'	0.50°
55.	3033.00	1.00	113.50	3,015.36'	162.31'	-122.89'	203.58'	0.50°
56.	3096.00	0.60	96.60	3,078.35'	162.06'	-122.06'	202.88'	0.73°
57.	3160.00	0.70	112.80	3,142.35'	161.87'	-121.36'	202.31'	0.33°
58.	3223.00	0.80	116.30	3,205.34'	161.52'	-120.61'	201.58'	0.17°
59.	3286.00	0.80	111.00	3,268.33'	161.17'	-119.81'	200.81'	0.12°
60.	3349.00	0.80	105.90	3,331.33'	160.89'	-118.98'	200.08'	0.11°
61.	3412.00	0.60	124.00	3,394.32'	160.59'	-118.28'	199.42'	0.47°
62.	3475.00	0.70	132.50	3,457.32'	160.14'	-117.72'	198.73'	0.22°
63.	3539.00	0.60	133.20	3,521.32'	159.65'	-117.19'	198.01'	0.16°
64.	3602.00	0.30	91.70	3,584.31'	159.42'	-116.78'	197.59'	0.67°
65.	3666.00	0.40	163.80	3,648.31'	159.20'	-116.55'	197.27'	0.66°
66.	3738.00	0.40	110.10	3,720.31'	158.87'	-116.25'	196.83'	0.50°
67.	3794.00	0.70	126.30	3,776.31'	158.60'	-115.79'	196.33'	0.60°
68.	3862.00	0.40	144.90	3,844.31'	158.16'	-115.32'	195.70'	0.51°
69.	3925.00	0.50	129.70	3,907.30'	157.80'	-114.98'	195.21'	0.25°
70.	3988.00	0.90	119.30	3,970.30'	157.39'	-114.34'	194.49'	0.66°
71.	4052.00	1.10	98.40	4,034.29'	157.05'	-113.29'	193.59'	0.64°
72.	4115.00	1.10	95.90	4,097.28'	156.90'	-112.09'	192.74'	0.08°
73.	4179.00	1.10	86.10	4,161.27'	156.88'	-110.87'	191.98'	0.29°
74.	4242.00	1.00	82.10	4,224.26'	157.00'	-109.72'	191.38'	0.20°
75.	4306.00	0.40	252.00	4,288.25'	157.00'	-109.38'	191.18'	2.18°
76.	4369.00	0.80	235.50	4,351.25'	156.69'	-109.95'	191.28'	0.69°
77.	4433.00	0.50	216.70	4,415.25'	156.21'	-110.49'	191.22'	0.57°
78.	4496.00	0.80	249.40	4,478.24'	155.83'	-111.06'	191.27'	0.74°
79.	4560.00	0.70	211.60	4,542.24'	155.34'	-111.68'	191.26'	0.77°
80.	4623.00	0.60	209.10	4,605.23'	154.73'	-112.05'	190.99'	0.16°
81.	4686.00	0.70	219.80	4,668.23'	154.14'	-112.45'	190.77'	0.25°
82.	4750.00	0.60	256.70	4,732.22'	153.77'	-113.03'	190.82'	0.66°
83.	4814.00	0.40	202.60	4,796.22'	153.48'	-113.44'	190.84'	0.76°
84.	4909.00	0.60	201.20	4,891.22'	152.71'	-113.75'	190.41'	0.21°
85.	5004.00	0.70	211.90	4,986.21'	151.76'	-114.24'	189.95'	0.17°
86.	5099.00	0.50	251.80	5,081.21'	151.14'	-114.94'	189.87'	0.47°
87.	5194.00	0.50	263.20	5,176.20'	150.96'	-115.74'	190.22'	0.10°
88.	5289.00	1.00	277.70	5,271.20'	151.02'	-116.97'	191.02'	0.56°
89.	5311.00	1.00	279.80	5,293.19'	151.08'	-117.35'	191.29'	0.17°
Proj.	5357.00	1.00	279.80	5,339.19'	151.21'	-118.14'	191.88'	0.00°



Calculated f/ Targets

Tie-In Survey Co.: NA						Minimum Curvature Calculations		
Surveying Company: Childress Directional						Proposed Azimuth: 322.75°		
Survey No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	V. SECT.	DLS / 100'
Tie-In	0.00	0.00	0.00	0.00'	0.00'	0.00'	0.00'	0.00°
1	495.00	0.00	0.00	495.00'	0.00'	0.00'	0.00'	0.00°
2	528.00	0.80	184.00	528.00'	-0.23'	-0.02'	-0.17'	2.42°
3	554.00	0.60	181.20	554.00'	-0.55'	-0.03'	-0.42'	0.78°
4	586.00	0.40	188.40	586.00'	-0.83'	-0.05'	-0.63'	0.65°
5	617.00	1.00	301.40	616.99'	-0.79'	-0.30'	-0.45'	3.91°
6	649.00	2.80	319.30	648.98'	-0.05'	-1.05'	0.59'	5.86°
7	681.00	3.90	320.40	680.92'	1.38'	-2.25'	2.46'	3.44°
8	712.00	4.60	319.50	711.83'	3.14'	-3.73'	4.75'	2.27°
9	744.00	5.60	320.40	743.71'	5.31'	-5.56'	7.59'	3.13°
10	776.00	6.90	320.40	775.52'	8.00'	-7.78'	11.08'	4.06°
11	808.00	7.90	319.70	807.25'	11.16'	-10.43'	15.19'	3.14°
12	839.00	9.00	323.00	837.91'	14.72'	-13.26'	19.74'	3.88°
13	871.00	9.70	322.70	869.49'	18.86'	-16.40'	24.94'	2.19°
14	903.00	10.80	323.00	900.98'	23.40'	-19.84'	30.64'	3.44°
15	935.00	11.40	323.50	932.38'	28.34'	-23.53'	36.80'	1.90°
16	966.00	11.50	321.60	962.76'	33.22'	-27.27'	42.95'	1.26°
17	998.00	11.60	321.60	994.11'	38.24'	-31.25'	49.36'	0.31°
18	1062.00	10.80	322.30	1,056.89'	48.03'	-38.91'	61.79'	1.27°
19	1125.00	11.00	322.80	1,118.76'	57.49'	-46.16'	73.70'	0.35°
20	1194.00	11.30	324.10	1,186.45'	68.21'	-54.10'	87.04'	0.57°
21	1257.00	11.20	323.90	1,248.24'	78.15'	-61.32'	99.33'	0.17°
22	1320.00	11.60	323.00	1,310.00'	88.15'	-68.74'	111.78'	0.69°
23	1385.00	11.20	322.00	1,373.72'	98.35'	-76.56'	124.63'	0.69°
24	1448.00	11.90	321.10	1,435.44'	108.22'	-84.41'	137.24'	1.15°
25	1512.00	11.20	319.10	1,498.15'	118.06'	-92.62'	150.04'	1.26°
26	1575.00	10.50	318.30	1,560.02'	126.97'	-100.44'	161.86'	1.14°
27	1639.00	8.20	324.10	1,623.17'	135.02'	-107.00'	172.24'	3.88°
28	1702.00	6.30	325.60	1,685.66'	141.51'	-111.59'	180.19'	3.03°
29	1765.00	6.30	323.70	1,748.28'	147.15'	-115.59'	187.10'	0.33°
30	1860.00	5.60	326.00	1,842.77'	155.19'	-121.27'	196.94'	0.78°
31	1892.00	4.50	334.40	1,874.64'	157.62'	-122.68'	199.72'	4.13°
32	1924.00	3.50	339.40	1,906.57'	159.67'	-123.57'	201.89'	3.31°
33	1956.00	2.70	334.40	1,938.52'	161.26'	-124.24'	203.56'	2.64°
34	1987.00	1.20	329.90	1,969.50'	162.20'	-124.71'	204.60'	4.86°
35	2019.00	1.10	320.40	2,001.49'	162.73'	-125.08'	205.24'	0.67°
36	2051.00	1.10	314.20	2,033.49'	163.18'	-125.49'	205.85'	0.37°
37	2083.00	1.10	314.20	2,065.48'	163.61'	-125.93'	206.46'	0.00°
38	2115.00	1.20	314.00	2,097.47'	164.05'	-126.40'	207.09'	0.31°
39	2146.00	1.30	309.50	2,128.47'	164.50'	-126.90'	207.76'	0.45°
40	2177.00	1.50	314.90	2,159.46'	165.01'	-127.46'	208.50'	0.77°
41	2208.00	1.40	328.80	2,190.45'	165.62'	-127.94'	209.28'	1.18°