

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

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 16 2016

RECEIVED

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

AS DRILLED

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40804	² Pool Code 51300	³ Pool Name Red Lake, Queen-Grayburg-San Andres
⁴ Property Code 39512	⁵ Property Name MATTHEWS 25 FEDERAL	
⁷ OGRID No. 277558	⁸ Operator Name LIME ROCK RESOURCES II-A, L.P.	
		⁶ Well Number 1
		⁹ Elevation 3570' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	17-S	27-E		2130	NORTH	330	WEST	EDDY

¹¹ 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
E	25	17-S	27-E		2288	NORTH	345	WEST	EDDY

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.

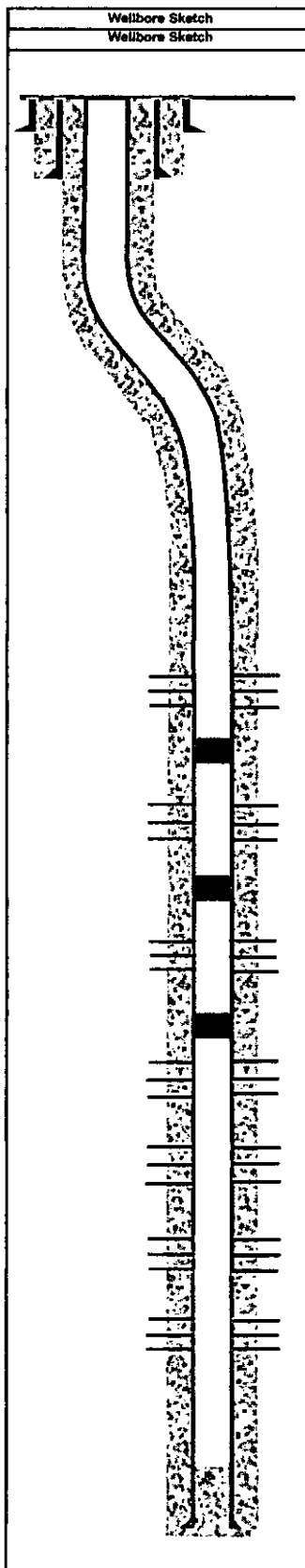
2130'	2288'				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or 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: 2/12/16 Printed Name: <u>Mike Pippin</u>
330'	345'	SURFACE			
		BOTTOM HOLE AS DRILLED	25		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. 10/1/11 Date of Survey Signature and Seal of Professional Surveyor: Filmon F. Jaramillo 12797 Certificate Number

	County	EDDY	Well Name	Matthews 25 Federal #1	Field:	Redlake Glorieta-Yaso NE	Well Sketch:	AFE R16003 LRR II-A, L.P.
	Surface Lat:	32.8063735°N	BH Lat:	32.8058790°N	Survey:	SEC25-T179-R27E Unit E	API #	30-015-40804
	Surface Long:	104.2391755°W	BH Long:	104.2391755°W		2130' FNL & 330' FWL	OGRID #	277558

Directional Data:			Tubular Data							Wellhead Data		
KOP	483	MD/TVD	Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC	Type:	
Max Dev.:	11.3	830' MD 628' TVD	Conductor	14"	55.5#	B	Weld	40'	40'	SURF	WP:	
Diag sev:	3.09	671' MD 670' TVD	Surface	8 5/8"	24#	J-55	STC	395'	395'	SURF	Tree Cap	Flange:
Dev @ Perfs	0.4	471' MD 426' TVD	Intermediate								Thread:	
Ret to Vert:	1781'	1751' MD 1766' TVD	Production	5 1/2"	17#	J-55	LTC	4,711'	4,699'	SURF	Tbg Hanger:	
			Liner								BTM Flange:	

CEMENT DATA							
	L/aks	Yld	Wt	T/aks	Yld	Wt	X/S
Surface	300	1.35	14.8	NA	NA	NA	142 sx
Intermediate							
Liner							
Production	300	1.9	14.8	600	1.33	14.8	283 sx

Drilling / Completion Fluid	
Drilling Fluid:	10.2 PPG Brine / Salt Gel
Drilling Fluid:	
Completion Fluid:	2% KCL
Completion Fluid:	
Packer Fluid:	NA



Completion Information						DETAILS	
DEPTHS (MD)/(TVD)	FORMATION TOPS /	PERFORATIONS		# of			
		from	to	HOLES			
0							
40'	20" Hole					14" Conductor Pipe	
395'	12-1/4" Hole					8-5/8" Surf Cag Circ 142 ax Cmt to surf	
442' / 442'	7 Rivers Formation						
483'	7-7/8" hole KOP					Kick off to 2'/100'	
798' / 796'	End Build					End Build - Start 10+ Tangent	
966' / 961'	Queen Formation						
1063' / 1076'	End Tangent - Start Drop					Drop - Start @ 2'/100'	
1406' / 1396'	Grayburg Formation						
1718' / 1706'	Premier Sand						
1763' / 1751'	San Andres						
1781' / 1768'	Return to Vertical					Return to vertical	
2050' / 2038'	Middle San Andres						
2646' / 2634'	Lower San Andres						
2 7/8" 6.5# J55 tbg with TAC at 1620', SN at 2680', 4' slotted sub, 1 jt MA w BP at 3015'							
20- 7/8", 46- 7/8" guided, 47- 7/8", 4- 1.5" kbars, 2.5"x2"x24" RHBC-HVR pump							
Lufkin 456-305-168 Pumping Unit w 50 HP motor; 147" SL at 9 SPM							
	Stage #3 San Andres	1,720'		1,931'	31	211', 1500 g 15% HCL, 30k# 100 Mesh	
						119.7k# 40/70, 4114 bbls water, 80+ BPM	
CBP at 2040'							
	Stage #2 San Andres	2,110'		2,447'	35	337', 1500 g 15% HCL, 30k# 100 Mesh	
						324.45k# 40/70, 7614 bbls water, 80+ BPM	
CBP at 2550'							
	Stage #1 San Andres	2,636'		2,971'	34	333', 1500 g 15% HCL, 30k# 100 Mesh	
						324.45k# 40/70, 7614 bbls water, 80+ BPM	
3098' / 3086'	Glorieta						
CBP at 3150'							
3210' / 3198'	Yeso						
	Stage 4 L. Yeso Frac	3,208'		3,421'	40	213', 1440 g 7.5% HCL, 45,095 g 25# gel,	
	12/3/2012					62,462# 16/30 Brady & 23,520# 16/30 Resin	
	Stage 3 L. Yeso Frac	3,466'		3,781'	47	315', 2000 g 7.5% HCL, 55,548 g 25# gel,	
	12/3/2012					81,053# 16/30 Brady & 14,233# 16/30 Resin	
	Stage 2 L. Yeso Frac	3,838'		4,124'	48	286', 2000 g 7.5% HCL, 50,114 g 25# gel,	
	12/3/2012					69,149# 16/30 Brady & 15,877# 16/30 Resin	
	Stage 1 L. Yeso Frac	4,184'		4,520'	52	336', 2000 g 7.5% HCL, 129,133 g 20# gel,	
	11/27/12 & 12/3/12					122,833# 16/30 Brady & 18,011# 16/30 Resin	
4664' / 4652'	PBTD					5-1/2" Float Collar	
4711' / 4699'	PROD CSG					5-1/2" Prod Csg. Circ 283 SX Cmt to Surf	
Comments: NM OCD CLP 0213580						Plug back Depth:	4664' TVD 4652' MD
						Total Well Depth:	4711' TVD 4699' MD
						Prepared By:	Date:
						Eric McClusky	3-Feb-16