

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-35243
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name STIRLING 7 D
8. Well Number #5
9. OGRID Number 277558
10. Pool name or Wildcat Red Lake, Glorieta-Yeso (51120)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator LIME ROCK RESOURCES II-A, L.P.	
3. Address of Operator c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401	
4. Well Location Unit Letter <u>D</u> : <u>1110</u> feet from the <u>NORTH</u> line and <u>450</u> feet from the <u>WEST</u> line Section <u>7</u> Township <u>18-S</u> Range <u>27-E</u> NMPM <u>Eddy</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3290' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☒			
OTHER: <u>Payadd Workover</u> ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work).
SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.
THE FOLLOWING ID FOR A PAYADD WORKOVER ON THIS YESO OIL WELL:

TOH w/rods, pump, & tbg. (Existing perfs are 44 holes @ 2450'-3422'). Run 5-1/2" csg scraper on 2-7/8" tbg & CO to PBTD3735'. TOH. Using 5-1/2" RBP & PKR, PT 5-1/2" csg to 3500 psi for 15 min. Perf Yeso @ 3542'-3721' w/23 holes. Set 5-1/2" pkr on 3.5" 9.3# L-80 frac string @ 3500'. Pump 15-20 bpm down 5-1/2" csg while treating new perfs. Treat perfs down frac string w/1500 gal 15% HCL acid & frac w/30,000# 100 mesh & 158,760# 40/70 sand in slick water. TOH.

Set 5-1/2" CBP @ 3500' & PT to 3500 psi for 15 min. Perf Yeso @ 3152'-3447' w/27 holes. Set 5-1/2" pkr on 3.5" 9.3# L-80 frac string @ 3100'. Pump 10-20 bpm down 5-1/2" csg while treating perfs. Treat perfs down frac string w/1500 gal 15% HCL acid & frac w/30,000# 100 mesh & 268,380# 40/70 sand in slick water. TOH.

Set 5-1/2" CBP @ 3120' & PT to 3500 psi for 15 min. Perf Yeso @ 2490'-3083' w/37 holes. Treat perfs down 5-1/2" csg w/4500 gal 15% HCL acid & frac w/60,000# 100 mesh & 551,460# 40/70 sand in slick water. Divert w/1000# PLA & 150 perf balls.

CO after frac, drill CBPs @ 3120' & 3500', & CO to PBTD @ 3735'. Land ESP on 2-7/8" 6.5# L-80 tbg @ 2400'. Release completion rig. Complete well as a single Yeso oil well.

Spud Date: 4/20/07

Drilling Rig Release Date: 4/15/07

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 1/29/18

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573
For State Use Only

APPROVED BY: [Signature] TITLE Staff Mgr DATE 1-31-18
Conditions of Approval (if any):

	County	EDDY	Well Name	Stirling 7D #5		Field:	East Artesia	Well Sketch:	AFE W18013
	Surface Lat:	32.46003°N	BH Lat:	32.46003°N	Survey:	Sec 7-T18S-R27E	API #	30-015-35243	
	Surface Long:	104.1930°W	BH Long:	104.1930°W		1110' FNL & 450' FWL	OGRID #	277558	

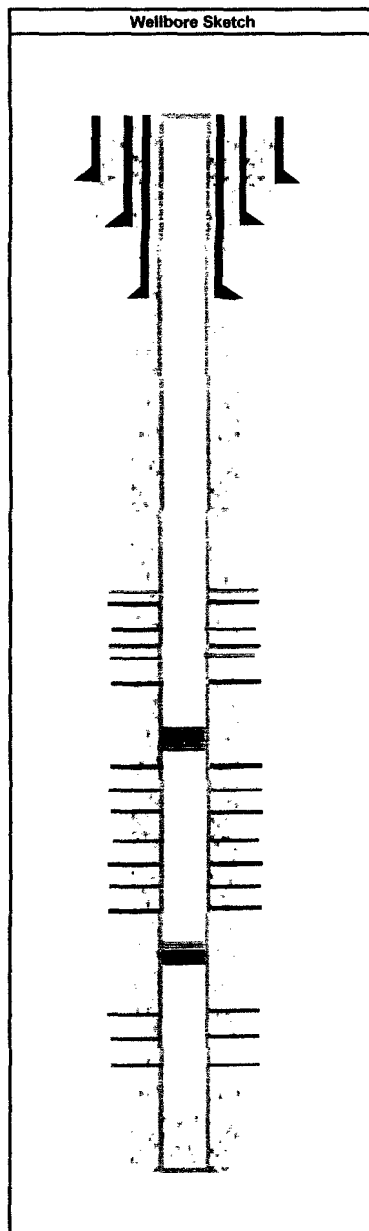
Directional Data:	
KOP	Vertical Well
Max Dev.:	
Dleg sev:	
Dev @ Perfs	
Ret to Vert:	

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

Tubular Data							
Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Conductor	16"	55.5#	B	Weld	40'	40'	SURF
Surface	13 3/8"	48#	J-55	STC	220'	220'	SURF
Intermediate	8 5/8"	24#	J-55	STC	996'	996'	SURF
Production	5 1/2"	15.5#	J-55	LTC	3,775'	3,775'	SURF
Liner							

CEMENT DATA							
	L/sks	Yld	Wt	T/sks	Yld	Wt	XS
Surface	360	1.35	14.8	590	NA	NA	5 sx
Intermediate	475	1.35	14.8	225	NA	NA	80 sx
Liner							
Production	150	1.9	12.8	550	1.33	14.8	100 sx

Wellhead Data	
Type:	
WP:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
8TM Flange:	
BPV Profile:	NA
Elevations:	GR - RKB = 13.4'
RKB:	3,303.4'
GL:	3,290.0'



Completion Information					
DEPTHS (MD)	FORMATION TOPS / WELL INFO	PERFORATIONS		# of HOLES	
		from	to		
0					
40'	20" Hole				
220'	17-1/2" Hole				
763'	Grayburg				
996'	12 1/4" Hole				
1,049'	San Andres				
2 7/8" 6.5# L80 Seamless tbg w ESP at 2400' and new 1 1/4" cap string. Run the ESP initially at 50 HZ.					
Desander & 10 JT MA					
2,386'	Glorieta Formation				
2,490'	Yeso				
	Stage #3 - Yeso	2,450'	3,083'	70	
Frac down 5.5" Casing (Divert w 1000 # PLA & 150 bio balls)					
	CRP at 3120'				
	Original GL/ Yeso Frac	2,450'	3,422'	44	
Original Yeso Frac 4/26/2007					
	Stage #2 - Yeso	3,152'	3,447'	35	
3.5" 9.3# L80 w PKR set at 3100' (15-20 BPM down backside)					
	CRP at 3500'				
	Stage #1 - Yeso	3,542'	3,721'	23	
3.5" 9.3# L80 w PKR set at 3500' (15-20 BPM down backside)					
3,775'	PROD CSG				
Plug back Depth:				3,735'	
Total Well Depth:				3,775'	
Prepared By:				Date:	
Eric McClusky				24-Jan-18	

DETAILS
16" Conductor Pipe
13-3/8" Surf Csg Circ 5 sx Cmt to surf
8 5/8" Intermediate Csg Circ 80 sx Cmt to surf
633', 220 g paraffin solvent, 4500 g 15% HCL
50,000 # 100 Mesh, 551,450# 40/70
15,227 bbls water, 80-100 BPM
972', 10# brine, 16,000# 14/30 liteprop
& 21,780 #16/30 Resin (39#/ft pay)
295', 110 g paraffin solvent, 1500 g 15% HCL
30,000 # 100 Mesh, 268,380# 40/70
7212 bbls water, 40-60 BPM
179', 110 g paraffin solvent, 1500 g 15% HCL
30,000 # 100 Mesh, 158,760# 40/70
5312 bbls water, 40-60 BPM
5-1/2" Prod Csg. Circ 100 SX Cmt to Surf