

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 26 2016

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-015-40783

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

LOGAN 2C STATE

8. Well Number #4

9. OGRID Number 277558

10. Pool name or Wildcat

Red Lake, Glorieta-Yeso NE (96836)

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 C : 990 feet from the North line and 1500 feet from the West lineSection 2 Township 18-S Range 27-E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3587' GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐DOWNHOLE COMMINGLE ☐CLOSED-LOOP SYSTEM ☒OTHER: Intent for Payadd Workover ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐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.

Lime Rock would like to perform a payadd workover on this Yeso oil well as follows: MIRUSU. TOH w/rods, pump, & tbq. Set a 5-1/2" CBP @ ~3470' (Existing Yeso perfs @ 3498'-4620'). Perf additional Yeso @ ~3170'-3416' w/~50 holes. Stimulate new perfs with ~1500 gal 15% HCL acid & frac w/~30,000# 100 mesh & ~246,700# 40/70 sand in slick water.

CO after frac & drill out CBP @ 3470', & CO to PBTD4729'. Land 2-7/8" 6.5# L-80 production tbq @ ~4635'. Release workover rig. Complete as a single Yeso oil well. See the attached proposed wellbore diagram.

Spud Date: 10/12/12

Drilling Rig Release Date: 10/25/12

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

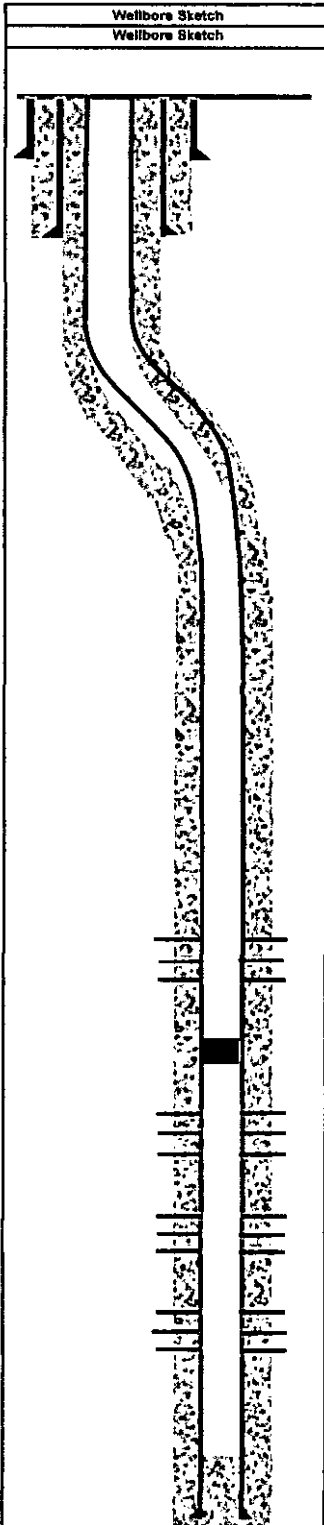
SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 7/26/16Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

For State Use Only

APPROVED BY: Karen Sharp TITLE BusOpsSpec Adv DATE 7-27-16

Conditions of Approval (if any):

 LIME ROCK RESOURCES	County	EDDY	Well Name	Logan 2C State #4	Field:	Radiake	Well Sketch:	AFE W16062		
	Surface Lat:	32.7805742°N	BH Lat:	32.7806435°N	Survey:	S2-T16S-R27E Unit C	API #	30-015-40783		
	Surface Long:	104.2524734°W	BH Long:	104.2519886°W		2160' FSL & 455' FWL	OGRID #	277558		
Directional Data:		Tubular Data							Wellhead Data	
KOP	516	MD/TVD						Type:		
Max Dev.:	14.3	1118' MD 1108' TVD						WP:		
Diag sev:	2	547' MD 547' TVD						Flange:		
Dev @ Perfs	0.8	4728' MD 4708' TVD						Tree Cap		
Rel to Vert:	1669'	1689' MD 1672' TVD						Thread:		
Drilling / Completion Fluid		CEMENT DATA							Tbg Hanger:	
Drilling Fluid: 10.2 PPG Brine / Salt Gel			L/aks	Yld	Wt	T/aks	Yld	Wt	XS	BTM Flange:
Drilling Fluid:			280	1.35	14.8	NA	NA	NA	25 sx	BPV Profile:
Completion Fluid: 2% KCL										Elevations:
Completion Fluid:										GR - RKB = 13.4'
Packer Fluid: NA										RKB:
										3586.7'
										GL:
										3600.1'



Completion Information						
DEPTHS (MD)/(TVD)	FORMATION TOPS /	PERFORATIONS		# of HOLES	DETAILS	
		from	to			
0						
40'	20" Hole					14" Conductor Pipe
353'	12-1/4" Hole					8-5/8" Surf Csg Circ 25 sx Cmtl to surf
516'	7-7/8" hole KOP					Kick off to 3°/100'
914' / 910'	Queen Formation					End Build - Start 14° Tangent
1023' / 1016'	End Build					
1181' / 1170'	End Tangent - Start Drop					Drop - Start @ 3°/100'
1420' / 1405'	Grayburg Formation					
1625' / 1608'	Return to Vertical					Return to vertical
1637' / 1620'	Premier Sand					
1677' / 1660'	San Andres Formation					
2006' / 1989'	Middle San Andres					
2545' / 2528'	Lower San Andres					
2 7/8" 6.5# L80 tbg w TAC at 3070', SN at 4600', 4' slotted sub, 1 ft MA w BP at 4635' 20 - 7/8" S88 rods, 72- 7/8" S88 rods w 3 guides/rod, 88 - 7/8" S88 rods, 4-1.5" kbars, 2.5"x2"x20' RHBC-HVR pump 640-365-166 w 50 HP motor set in 147" Stroke Length at 8 spm						
3064' / 3047'	Glorieta					
3214' / 3187'	Yeso					
	Upper Yeso Stage #1	3,170'		3,416'	50	246', 1500 g 15% HCL, 7014 bbls water, 30,000 # 100 Mesh, 246,750 # 40/70 80-100 BPM
CBP at 3470'						
	Stage 3 L. Yeso Frac	3,498'		3,845'	47	347' - 1500 g 15% HCL, 31k # 100 Mesh, 265k# 40/70 with slick water at 96 BPM
		Refrac'd 12/23/13				347' -Acidize with 1080 7.5% HCL, then frac with 75,547 gal 25# gel carrying 105,926 16/30 sand
	Stage 3 L. Yeso Frac	3,498'		3,845'	47	
		Completed Nov 2012				
	Stage 2 L. Yeso Frac	3,900'		4,227'	46	327' -Acidize with 2000 7.5% HCL, then frac with 68,678 gal 25# gel carrying 110,372 16/30 sand
		Completed Nov 2012				
	Stage 1 L. Yeso Frac	4,293'		4,621'	45	328' -Acidize with 2000 gal 7.5% HCL, then frac with 47,015 gal 20# gel carrying 60,807 16/30 sand
		Completed Nov 2012				
4730' / 4713'	PBDT					5-1/2" Float Collar
4776' / 4759'	PROD CSG					5-1/2" Prod Csg. Circ 121 SX Cmtl to Surf
Comments: NM OCD CLP 0213533				Plug back Depth: 4730' TVD 4713' MD Total Well Depth: 4776' TVD 4759' MD Prepared By: Date: Eric McClusky 22-Jul-16		