

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
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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 CONSERVATION
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-015-39454
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator LIME ROCK RESOURCES II-A, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401		7. Lease Name or Unit Agreement Name STIRLING 6 M
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>330</u> feet from the <u>WEST</u> line Section <u>6</u> Township <u>18-S</u> Range <u>27-E</u> NMPM Eddy County		8. Well Number #2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3335' GL		9. OGRID Number 277558
		10. Pool name or Wildcat Red Lake, Queen-Grayburg-San Andres (51300)

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: Recomplete to San Andres ☒

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 recomplete this Yeso oil well to the San Andres as follows: MIRUSU. TOH w/rods, pump, & tbq. Set a 5-1/2" CBP @ ~2500' & PT 5-1/2" csg & CBP to 3500 psi. (Existing Yeso perms are @ 2553'-3939'). Perf San Andres @ ~2060'-2405' w/~35 holes. Stimulate with ~1500 gal 15% HCL acid & frac w/~30,000# 100 mesh & ~344,190# 40/70 sand in slick water.

CO after frac & CO to CBP @ 2500'. Land 2-7/8" 6.5# L-80 production tbq @ ~2030'. Release workover rig. Complete as a single San Andres oil well. See the attached proposed wellbore diagram. After production decreases and a DHC order has been approved, the CBP @ 2500' will be removed and the well downhole commingled.

Spud Date: 12/13/11

Drilling Rig Release Date: 12/27/11

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 2/27/17

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

For State Use Only

APPROVED BY: Raymond K. Padany TITLE Geologist DATE 3-1-2017
Conditions of Approval (if any):

	County	EDDY	Well Name	Stirling 6M #2	Field	Red Lake: Glorieta-Yeso	AFE # R17004
	Surface Lat:	32.771492°N	BH Lat:		Survey:	Sec. 6, T18S-R27E	API # 30-015-39454
	Surface Long:	103.324891° W	BH Long:			660' FSL & 330' FWL	OGRID # 277558

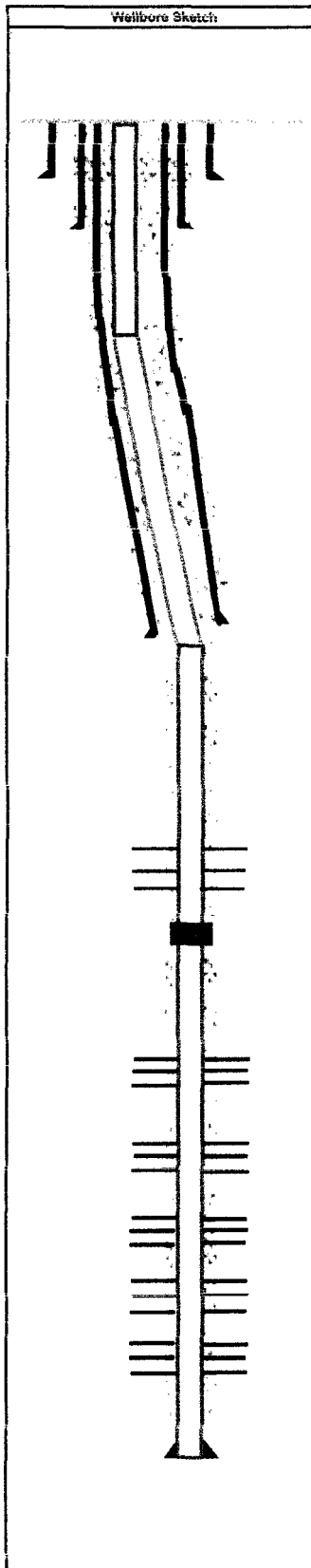
Directional Data:		
KOP	480'	MD/TVD
Max Dev.:	12.9° at 1015' MD	
Dleg sev:	3.0°	
Dev @ Perfs	0.5°	
Ret to Vert:	2589'	MD

Tubular Data							
Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Conductor	20"	91.5#	B	Weld	60'	60'	SURF
Surface	13-3/8"	46#	H40	STC	257'	257'	SURF
Intermediate	8 5/8"	24#	J-55	STC	1,599'	1,619'	SURF
Production	5 1/2"	17#	J-55	LTC	4,185'	4,212'	SURF
Liner							

CEMENT DATA							
	L/sks	Yld	WT	T/sks	Yld	WT	XS
Surface	380	1.35	14.8				137
Intermediate	155	1.84	12.8	655	1.34	14.8	152
Liner							
Production	240	1.9	12.8	500	1.15	14.8	20

Wellhead Data	
Type:	
WVP:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
81M Flange:	
BPV Profile:	NA
Elevations:	GR - RKB = 11.5'
RKB:	3,346.5'
GL:	3,335.0'

Drilling / Completion Fluid	
Drilling Fluid:	10 PPG Brine / Salt Gel
Drilling Fluid:	
Completion Fluid:	2% KCL
Completion Fluid:	
Packer Fluid:	NA



Completion Information					
DEPTHS (TVD)	FORMATION TOPS /	PERFORATIONS		# of	
		from	to	HOLES	
60'	26" Hole				
257'	17-1/2" Hole				
455'	Queen Sand				
480'	12-1/4" hole KOP				
822'	Grayburg Formation				
921'	End of Build				
1,121'	San Andres Formation				
1,619'	End 12-1/4" Hole				
1,706'	End Tangent - Drop				
2 7/8" 6.5# L80 tbg w TAC at 1900', SN at 2010', desander, 10 jt MA w BP					
14- 1" KD rods, 60 - 1" KD guided rods, 6-1.5" kbars w guided stabilizer bars inbetween each kbar					
2.5" x 2"x 20' RHBC- HVR pump					
Lufkin 456-305-168 w 40 HP motor set in 168" Stroke Length at 8 spm					
	Lower San Andres	2,060'	2,405'	35	
CBP at 2500'					
2,492'	Glorieta Top				
2,500'	VERTICAL				
2,589'	Yeso Formation				
	Stage 5. Yeso Frac	2,553'	2,680'	30	
	Frac'd Oct 2012	1883 g 7.5% HCL			
	Stage 4. Yeso Frac	2,730'	2,985'	48	
	Frac'd Oct 2012	2000 g 7.5% HCL			
	Stage 3. Yeso Frac	3,005'	3,282'	41	
	Frac'd 2/1/12	2500 g 7.5% HCL			
	Stage 2. Yeso Frac	3,342'	3,697'	54	
	Frac'd 2/1/12	2500 g 7.5% HCL			
	Stage 1 L. Yeso Frac	3,770'	3,939'	48	
	Frac'd 2/1/12	2500 g 7.5% HCL			
4,002'	TIJRR Formation				
4,212'	PROD CSG				
<div> <div>Comments:</div> <div> <div>Plug back Depth:</div> <div>4138' TVD</div> <div>4165' MD</div> </div> <div> <div>Total Well Depth:</div> <div>4202' TVD</div> <div>4229' MD</div> </div> <div> <div>Prepared By:</div> <div>Eric McGlusky</div> <div>Date:</div> <div>23-Feb-17</div> </div> </div>					
<div> <div>345', 1500 g 15% HCL, 8314 bbls water,</div> <div>344,190 # 40/70 Ottawa, 30,000 # 100 Mesh</div> </div>					
<div> <div>Vertical - Start Vertical Hold</div> <div>w/46,946# 16/30 Brady & 17,940# 16/30</div> <div>siber prop sand in X-linked gel.</div> <div>w/79,677# 16/30 Brady & 17,940# 16/30</div> <div>siber prop sand in X-linked gel.</div> <div>w/64,420# 16/30 Brady & 16,082# 16/30</div> <div>siber prop sand in X-linked gel.</div> <div>w/82,480# 16/30 Brady & 14,895# 16/30</div> <div>siber prop sand in X-linked gel.</div> <div>w/72,044# 16/30 Brady & 13,199# 16/30</div> <div>siber prop sand in X-linked gel.</div> <div>5-1/2" Prod Casing Cmt'd to Surf</div> </div>					