

OCD-ARTESIA

Form 3160-5
(November 1994)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No 1004-0135
Expires July 31, 1996

5. Lease Serial No.

NM-15303

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

CORRAL FLY FEDERAL #3-H

3

30-015-35717

10. Field and Pool, or Exploratory Area

Corral Canyon Delaware NM (96464)

AND

Eddy County, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LIME ROCK RESOURCES A, L.P.

3a. Address c/o Mike Pippin LLC

3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)

505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2520' FNL & 1880' FWL Unit F

Sec. 10, T25S, R29E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing ☒ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other Ran 3-1/2" Liner in Existing Lateral
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon ☐ Water Disposal
	☐ Convert to Injection ☐ Plug Back

13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-5 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/5/11: MIRUSU. TOH w/all production equipment. TIH w/4-3/4" bit on 2-7/8" DP & CQ to MD2481' w/PR @ 4789', PT 5-1/2" csg to 3500 psi-OK. Perf additional holes in 5-1/2" csged horizontal lateral w/6-0.42" spf @ MD7160'-63', 6930'-34', 6735'-38', 6510'-14', 6310'-14', 6120'-23', 5900'-04', 5730'-34', 5615'-18', 5510'-14'. Total of 222 holes. (There were 45 existing prfs @ MD5515'-7190'). TIH w/3-1/2" 9.3# P-110 ultra flush joint liner & set @ MD7150' w/liner hanger @ MD4591'. Liner has 10 isolation pkrs @ 7047', 6849', 6618', 6420', 6224', 6026', 5860', 5693', 5559', 5456' & 9 frac sleeves @ 6949', 6751', 6521', 6323', 6156', 5928', 5730', 5627', 5525'. PT 5-1/2" csg above liner hanger @ MD4591' to 5000 psi for 10 min.-OK. Released workover rig on 10/12/11. Prepair to frac.

Accepted for record

NMOC D 105

DEC 02 2011

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mike Pippin

Title

Petroleum Engineer (Agent)

Signature

Date

October 17, 2011

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false (fictitious or fraudulent) statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

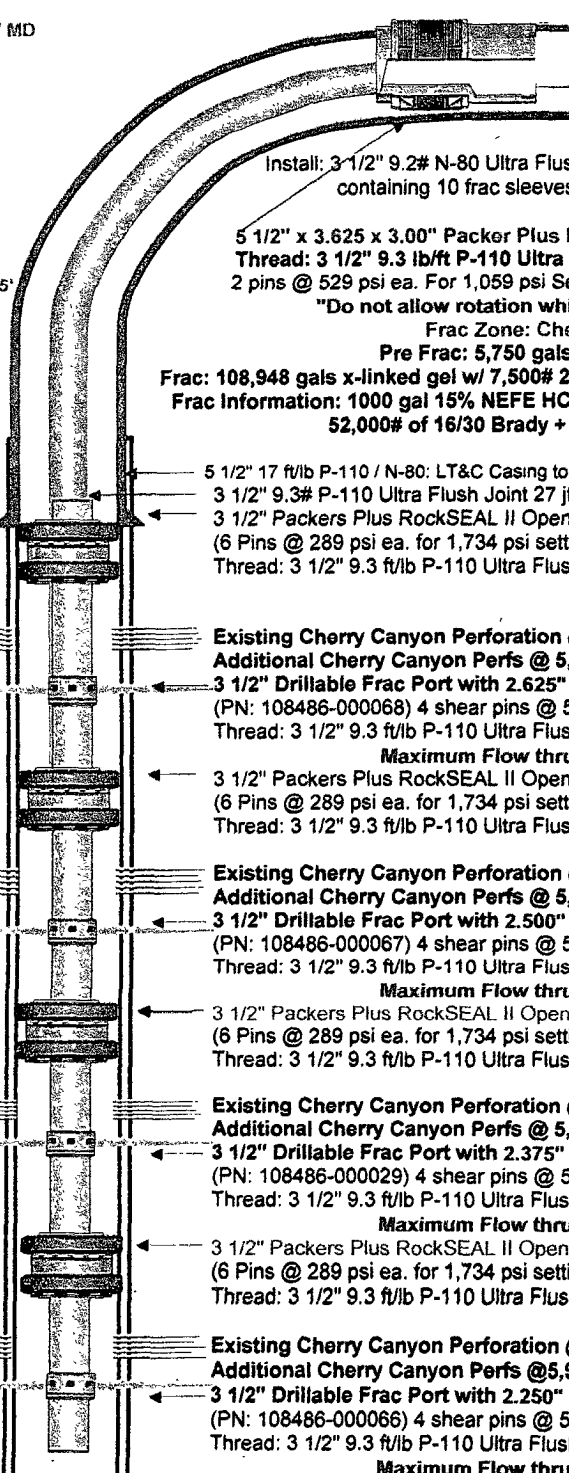
Jm



Do It Once.
Do It Right.

Confidential Information - Not to be
Released outside of Lime Rock Resources

Completion
Final

Sid Ashworth	Company	Lime Rock Resources		Date		27/9/2011	
Corral Fly 10 Federal 3H	Type of Installation	5 1/2" x 3 1/2" 10 Stage Cased Hole Completion		Location		Eddy, NM	
Drawing	Description			OD(in)	ID(in)	Length	
				Page 1 of 2			
							
KOP @ 4,685' MD							
Packer @ 4591.33'							
Install: 3-1/2" 9.2# N-80 Ultra Flush Joint: LTC Liner set from 5,088' to 6,991' containing 10 frac sleeves, 10 isolation packers and 1 liner top packer				DV Tool @ 4,073'			
5 1/2" x 3.625 x 3.00" Packers Plus Dual Bore LH Packer (PN: 106690-000008)				4.563	3.625	5 18	
Thread: 3 1/2" 9.3 lb/ft P-110 Ultra Flush Joint 27 jts				3.500	2.800	3.31	
2 pins @ 529 psi ea. For 1,059 psi Setting Pressure							
"Do not allow rotation while running in the hole"							
Frac Zone: Cherry Canyon							
Pre Frac: 5,750 gals 15% NEFE Acid							
Frac: 108,948 gals x-linked gel w/ 7,500# 20/40 sand & 97,540# 16/30 Brown Sand							
Frac Information: 1000 gal 15% NEFE HCl, Frac w/30K gal of 20# x linked fluid + 52,000# of 16/30 Brady + 12,000# of 16/30 RCS (per stage)							
5 1/2" 17 ft/lb P-110 / N-80: LT&C Casing to 7,079' MTD/5,194' TVD				5.500	4.892		
3 1/2" 9.3# P-110 Ultra Flush Joint 27 jts				3.500	2.800	856.15	
3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003)				4.500	2.840	4 72	
(6 Pins @ 289 psi ea. for 1,734 psi setting pressure)							
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 2 jts				3.500	2 800	63.84	
Existing Cherry Canyon Perforation @ 5,515' (3 spf - 48 - 0.42" ID Holes)							
Additional Cherry Canyon Perfs @ 5,510' to 5,514'							
3 1/2" Drillable Frac Port with 2.625" seat for a 2.750" Frac Ball				4.500	2.625	2 37	
(PN: 108486-000068) 4 shear pins @ 520 psi @ 2,080 psi opening shear				3.500	2.875		
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 1 jt				3.500	2 800	31.97	
Maximum Flow thru FracPORT is 50 bbl/min							
3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003)				4.500	2.840	4.72	
(6 Pins @ 289 psi ea. for 1,734 psi setting pressure)							
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 2 jts				3 500	2 800	63.85	
Existing Cherry Canyon Perforation @ 5,660' (3 spf - 48 - 0.42" ID Holes)							
Additional Cherry Canyon Perfs @ 5,610' to 5,614'							
3 1/2" Drillable Frac Port with 2.500" seat for a 2.625" Frac Ball				4.500	2.500	2.37	
(PN: 108486-000067) 4 shear pins @ 520 psi @ 2,080 psi opening shear				3.500	2.875		
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 2 jts				3 500	2.800	63.62	
Maximum Flow thru FracPORT is 50 bbl/min							
3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003)				4.500	2.840	4.72	
(6 Pins @ 289 psi ea. for 1,734 psi setting pressure) Thread: 3 1/2" 9.3 ft/lb P-110 UFJ							
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 1 jt				3.500	2.800	31.92	
Existing Cherry Canyon Perforation @ 5,827' (4 spf - 48 - 0.42" ID Holes)							
Additional Cherry Canyon Perfs @ 5,730' to 5,734'							
3 1/2" Drillable Frac Port with 2.375" seat for a 2.500" Frac Ball				4.500	2.375	2.37	
(PN: 108486-000029) 4 shear pins @ 520 psi @ 2,080 psi opening shear				3.500	2 875		
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 4 jts				3.500	2.800	127.07	
Maximum Flow thru FracPORT is 45 bbl/min							
3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003)				4.500	2.840	4.72	
(6 Pins @ 289 psi ea. for 1,734 psi setting pressure)							
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 2 jts				3.500	2.800	63.8	
Existing Cherry Canyon Perforation @ 5,998' (4spf)							
Additional Cherry Canyon Perfs @ 5,900' to 5,904'							
3 1/2" Drillable Frac Port with 2.250" seat for a 2.375" Frac Ball				4.500	2.250	2.37	
(PN: 108486-000066) 4 shear pins @ 520 psi @ 2,080 psi opening shear				3.500	2.875		
Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts				3.500	2.800	95.22	
Maximum Flow thru FracPORT is 45 bbl/min							
Telephone	Contract	Telephone					
432-563-8024	Keith Martin	Larry Fregia		979-319-2365			



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Completion
Final

Sid Ashworth	Company	Lime Rock Resources	Date	27-Sep-11		
Corral Fly 10 Federal 3H	Type of Installation	5 1/2" x 3 1/2" 10 Stage Cased Hole Completion	Location	Eddy, NM		
Drawing	Description		OD(in)	ID(in)	Length	
			Page 2 of 2			
Packer @ 6025.62'	3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003) (6 Pins @ 289 psi ea. for 1,734 psi setting pressure) Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts		4.500	2.840	4.72	
			3.500	2.800	95.33	
Stage 6 FracPORT @ 6125.67'	Existing Cherry Canyon Perforation @ 6,162' (5 spf - 48 - 0.42" ID Holes) Additional Cherry Canyon Perfs @ 6,120' to 6,123' 3 1/2" Drillable Frac Port with 2.125" seat for a 2.250" Frac Ball (PN: 108486-000028) 4 shear pins @ 520 psi @ 2,080 psi opening shear Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts Maximum Flow thru FracPORT is 45 bbl/min		4.500	2.125	2.37	
			3.500	2.875	2.37	
			3.500	2.800	95.52	
Packer @ 6223.56'	3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003) (6 Pins @ 289 psi ea. for 1,734 psi setting pressure) Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts		4.500	2.840	4.72	
			3.500	2.800	95.17	
Stage 5 FracPORT @ 6323.45'	Existing Cherry Canyon Perforation @ 6,359' (5 spf - 48 - 0.42" ID Holes) Additional Cherry Canyon Perfs @ 6,300' to 6,314' 3 1/2" Drillable Frac Port with 2.000" seat for a 2.125" Frac Ball (PN: 108486-000065) 4 shear pins @ 520 psi @ 2,080 psi opening shear Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts Maximum Flow thru FracPORT is 45 bbl/min		4.500	2.000	2.37	
			3.500	2.875	2.37	
			3.500	2.800	94.62	
Packer @ 6420.44'	3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003) (6 Pins @ 289 psi ea. for 1,734 psi setting pressure) Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts		4.500	2.840	4.72	
			3.500	2.800	95.43	
Stage 4 FracPORT @ 6520.59'	Existing Cherry Canyon Perforation @ 6,557' (5 spf - 48 - 0.42" ID Holes) Additional Cherry Canyon Perfs @ 6,510' to 6,514' 3 1/2" Drillable Frac Port with 1.875" seat for a 2.000" Frac Ball (PN: 108486-000027) 4 shear pins @ 520 psi @ 2,080 psi opening shear Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3 jts Maximum Flow thru FracPORT is 45 bbl/min		4.500	1.875	2.37	
			3.500	2.875	2.37	
			3.500	2.800	95.3	
Packer @ 6618.26'	3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003) (6 Pins @ 289 psi ea. for 1,734 psi setting pressure) Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 4 jts		4.500	2.840	4.72	
			3.500	2.800	127.61	
Stage 3 FracPORT @ 6750.59'	Existing Cherry Canyon Perforation @ 6,754' (6 spf - 48 - 0.42" ID Holes) Additional Cherry Canyon Perfs @ 6,735' to 6,738' 3 1/2" Drillable Frac Port with 1.750" seat for a 1.875" Frac Ball (PN: 108486-000064) 4 shear pins @ 520 psi @ 2,080 psi opening shear Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3jts Maximum Flow thru FracPORT is 40 bbl/min		4.500	1.750	2.37	
			3.500	2.875	2.37	
			3.500	2.800	95.79	
Packer @ 6848.75'	3 1/2" Packers Plus RockSEAL II Open Hole Packer (PN: 122192-000003) (6 Pins @ 289 psi ea. for 1,734 psi setting pressure) Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint 3jts		4.500	2.840	4.72	
			3.500	2.800	95.48	
Stage 2 FracPORT @ 6948.95'	Existing Cherry Canyon Perforation @ 6,982' (6 spf - 48 - 0.42" ID Holes) Additional Cherry Canyon Perfs @ 6,930' to 6,934' 3 1/2" Drillable Frac Port with 1.625" seat for a 1.750" Frac Ball (PN: 108486-000069) 4 shear pins @ 520 psi @ 2,080 psi opening shear Thread: 3 1/2" 9.3 ft/lb P-110 Ultra Flush Joint Maximum Flow thru FracPORT is 40 bbl/min		4.500	1.625	2.37	
			3.500	2.875	2.37	
			3.500	2.800	95.76	
Packer @ 7047.08'	3 1/2" RockSEAL® IIS Open Hole Packer - PN: 124219-000003 (6 Pins @ 270 psi ea. For 1,620 psi setting pressure) Thread: 3 1/2" 9.2 ft/lb P-110 Ultra Flush Joint 3 jts		4.500	2.500	5.66	
			3.500	2.800	95.38	
Stage 1 7150.00'	X-Over 3 1/2" UFJ BOX x 2 7/8" EUE PIN 2 7/8" Pump Out Plug 1/2" Ball Seat for 1.00" Ball w/ 3 shear pins @ 1078 psi + 1 @ 539 psi. ea. = 3,773 PSI Shear) PN Small Part with 2 7/8" pup joint and collar Existing Cherry Canyon Perforation @ 7,190' (6 spf - 48 - 0.42" ID Holes) Additional Cherry Canyon Perfs @ 7,160' to 7,163' Maximum Flow thru Pump Out Plug is 35 bbl/min		3.530		0.93	
			3.680	0.500	0.92	
MTD @ 7,331' (5,180' TVD)						
432-563-8024	Keith Martin	Larry Fregia	979-319-2365			