

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013				
		1. WELL API NO: 30-025-42004				
		2. Well Name: PHILLIPS LEA #105				
		3. Well Number: 105				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:31 Township:17S Range:34E Feet from:1065 N/S Line:S Feet from:2273 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot:O Section:31 Township:17S Range:34E Feet from:1065 N/S Line:S Feet from:2273 E/W Line:E				
		6. Istitude: Longitude: 32.7869294184805 -103.598809177054				
		7. County: Lea				
8. Operator Name and Address: LINN OPERATING, INC. 600 Travis Street Suite 5100 Houston 77002		9. OGRID: 269324	10. Phone Number: 281-840-4010			
11. Last Fracture Date: 10/21/2014 Frac Performed by: Advanced Stimulation Technologies, Inc.		12. Production Type: O				
13. Pool Code(s): 62180		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 5,003 ft		16. Total Volume of Fluid Pumped: 136,206 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100%	81.38877%
15% HCL	Reagent Chemical	Acidizing	Hydrogen Chloride	7647-01-0	15%	0.38538%
			Water	7732-18-5	85%	2.18381%
ATAS-100	Impact Chemical	Acid Inhibitor System	Acetic Acid	64-19-7	100%	0.01456%
			Propan-2-ol	67-63-0	100%	0.01456%
			Dodecylbenzenesulphonic Acid	27176-87-0	100%	0.01456%
			Methanol	67-56-1	100%	0.01456%
			1,3-imethylbutylamine	108-09-8	100%	0.01456%
			Petroleum, Oxidized	64743-01-7	100%	0.01456%
			Didecylidimethylammonium Chloride	7173-51-5	100%	0.01456%
			Prop-2-yn-1-ol	107-19-7	100%	0.01456%
AWRS-101	Chemplex	Surfactant	Methyl Alcohol	67-56-1	12%	0.01022%
			2-Butoxyethanol	111-76-2	35%	0.0298%
AGA-101	Poly Frac Plus	Slurried Gelling Agent	Guar Gum	9000-30-0	50%	0.12212%
			Petroleum Distillate	64742-47-8	55%	0.13433%
			Clay	Proprietary	5%	0.01221%
ABK-101	Fritz Industries	Oxidizer Breaker	Ammonium Persulphate	7727-54-0	100%	0.00473%
ABK-104	Economy Polymers and Chemicals	Liquid Enzyme Breaker	Cellulase Enzyme	Proprietary	100%	0.00406%
AXL-101	Chemplex	Crosslinker	Potassium Metaborate	13709-94-9	30%	0.03123%
			Potassium Hydroxide	1310-58-3	5%	0.0052%
			Ethylene Glycol	107-21-1	10%	0.01041%
Superset W	Santrol	Resin Activator	Methyl Alcohol	67-56-1	50%	0.03208%
			Polethylene Glycol Nonylphenyl Ether	9016-45-9	50%	0.03208%
20/40 White	Santrol	Proppant	Silica, Crystalline Quartz	14808-60-7	100%	12.05395%
20/40 Super LC	Santrol	Proppant	Crystilline Silica, Quartz	14808-60-7	97%	3.36309%
			Phenol-Formaldehyde	9003-35-4	5%	0.17336%
			Novolak Resin			
			Hexamethylenetetramine	100-97-0	1%	0.03467%
20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.						
Signature: Signed Electronically		Printed Name: Alex Bolanos		Regulatory Compliance Title: Specialist II		
Date: 12/4/2014						
E-mail Address: aboanos@linnenergy.com						

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.