

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: 30-025-40478				
		2. Well Name: LOCKHART B 12 #012				
		3. Well Number: 012				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:A Section:12 Township:21S Range:37E Feet from:415 N/S Line:N Feet from:660 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:12 Township:21S Range:37E Feet from:415 N/S Line:N Feet from:660 E/W Line:E				
		6. Iatitute: 32.499504272144 longitude: -103.110262149165				
		7. County: Lea				
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705		9. OGRID: 873	10. Phone Number: 432-818-1168			
11. Last Fracture Date: 5/17/2013 Frac Performed by: Baker Hughes		12. Production Type: O				
13. Pool Code(s): 6660, 19190, 60240, 62700		14. Gross Fractured Interval: 5,951 ft to 6,961 ft				
15. True Vertical Depth (TVD): 6,961 ft		16. Total Volume of Fluid Pumped: 252,042 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	Water	7732-18-5	100%	78.3171%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	1.29702%
			Water	7732-18-5	85%	7.34978%
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14- Secondary, Ethoxylated	84133-50-6	70%	0.19724%
			Methanol	67-56-1	50%	0.14088%
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4- Isothiazolin-3-One	2682-20-4	5%	0.00015%
			5-Chloro-2-Methyl-4- Isothiazolin-3-One	26172-55-4	10%	0.00029%
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3E-05%
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00174%
			Magnesium Chloride	7786-30-3	5%	0.00015%
			Magnesium Nitrate	10377-60-3	10%	0.00029%
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00317%
BF-7L, Tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.08526%
			Potassium Hydroxide	1310-58-3	1%	0.00142%
			Water	7732-18-5	60%	0.08526%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03458%
			Water	7732-18-5	30%	0.01383%
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00108%
			Olefin	Trade Secret	5%	0.00054%
			Polyoxyalkylenes	Trade Secret	30%	0.00324%
			Propargyl Alcohol	107-19-7	5%	0.00054%
XLW-24	Baker Hughes	Crosslinker	Glyoxal	107-22-2	10%	0.0103%
			Sodium Tetraborate	1303-96-4	30%	0.03091%
FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.00178%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.36913%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.36913%
			Petroleum Distillate	64742-47-8	60%	0.36913%
Ferrotrol 280L , 330 gl tote	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.03079%
			Ammonium Hydroxide	1336-21-6	5%	0.00154%
			Cupric Chloride	7447-39-4	5%	0.00154%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.04025%
			Propylene Glycol	57-55-6	30%	0.02415%
SB Excel 20/40	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	4.86119%
SB Excel 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	6.3355%
Ingredients shown above are subject to 29 CFR 1910			Ethoxylated Alcohol	Trade Secret	0%	0.0001186%
			Formaldehyde	50-00-0	0%	0.0001081%
			Hydrochloric Acid	7647-01-0	0%	0.0001081%
			Methanol	67-56-1	0%	0.0108076%
			Modified Thiorea Polymer	68527-49-1	0%	0.0007565%
			Poly (acrylamide-co- acrylic acid)	Trade Secret	0%	0.0017785%
			Salt	Trade Secret	0%	0.0002964%
			Sorbitan Monooleate	Trade Secret	0%	0.0002964%
			Water	7732-18-5	0%	0.0067672%
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: Reesa R. Holland Title: Sr Staff Reg Tech						
Date: 11/18/2013						
E-mail Address: reesa.holland@apachecorp.com						

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