

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: 30-025-40479							
		2. Well Name: LOCKHART B 12 #013							
		3. Well Number: 013							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:H Lot:H Section:12 Township:21S Range:37E Feet from:1980 N/S Line:N Feet from:660 E/W Line:E							
		5. Bottom Hole Location: Unit:H Lot:H Section:12 Township:21S Range:37E Feet from:1980 N/S Line:N Feet from:660 E/W Line:E							
		6. Latitude: Longitude: 32.4952024842765 - 103.110260414654							
		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: 6/6/2013 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 6660, 19190, 60240, 62700		14. Gross Fractured Interval: 5,936 ft to 6,964 ft							
15. True Vertical Depth (TVD): 6,964 ft		16. Total Volume of Fluid Pumped: 322,182 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%	77.19353%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.96109%			
Activator, 330 gal tote	Baker Hughes	Activator	Water	7732-18-5	85%	5.4462%			
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.21502%			
			Methanol	67-56-1	50%	0.15358%			
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00011%			
X-Cide 207	Baker Hughes	Biocide	5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00022%			
			Crystalline Silica: Cristobalite	14464-46-1	1%	2E-05%			
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	2E-05%			
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00134%			
			Magnesium Chloride	7786-30-3	5%	0.00011%			
			Magnesium Nitrate	10377-60-3	10%	0.00022%			
			GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00144%
			EnZyme G HpH-II	Baker Hughes	Breaker	Non-hazardous Ingredients	N.A.	100%	0.04961%
BF-7L, Tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.08958%			
			Potassium Hydroxide	1310-58-3	1%	0.00149%			
ClayCare, tote	Baker Hughes	Clay Control	Water	7732-18-5	60%	0.08958%			
			Choline Chloride	67-48-1	75%	0.03137%			
CI-14	Baker Hughes	Corrosion Inhibitor	Water	7732-18-5	30%	0.01255%			
			Fatty Acids	Trade Secret	10%	0.00127%			
			Olefin	Trade Secret	5%	0.00064%			
			Polyoxyalkylenes	Trade Secret	30%	0.00381%			
XLW-24, tote	Baker Hughes	Crosslinker	Propargyl Alcohol	107-19-7	5%	0.00064%			
			Glyoxal	107-22-2	10%	0.01086%			
FRW-18	Baker Hughes	Friction Reducer	Sodium Tetraborate	1303-96-4	30%	0.03259%			
GW-4LDF	Baker Hughes	Gelling Agent	Petroleum Distillates	64742-47-8	30%	0.00297%			
			Guar Gum	9000-30-0	60%	0.37126%			
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.37126%			
Ferotrol 280L , 330 gl tote	Baker Hughes	Iron Control	Petroleum Distillate	64742-47-8	60%	0.37126%			
			2-Mercaptoethanol	60-24-2	100%	0.03166%			
			Ammonium Hydroxide	1336-21-6	5%	0.00158%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Cupric Chloride	7447-39-4	5%	0.00158%			
			Mixture of Surfactants	Trade Secret	50%	0.04134%			
			Propylene Glycol	57-55-6	30%	0.0248%			
SB Excel 20/40	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	4.93744%			
SB Excel 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	9.47143%			
Ingredients shown above are subject to 29 CFR 1910			Ampicillin	69-53-4	0%	0.0004961%			
			Enzyme	37288-54-3	0%	0.0004961%			
			Ethoxylated Alcohol	Trade Secret	0%	0.0001981%			
			Formaldehyde	50-00-0	0%	0.0001271%			
			Glycerol	56-81-5	0%	0.0009922%			
			Hydrochloric Acid	7647-01-0	0%	0.0001271%			
			Lactose	9004-34-6	0%	0.0004961%			
			Methanol	67-56-1	0%	0.0127086%			
			Modified Thiorea Polymer	68527-49-1	0%	0.0008896%			
			Poly (acrylamide-co-acrylic acid)	Trade Secret	0%	0.0029713%			
			Salt	Trade Secret	0%	0.0004952%			
			Sodium Chloride	7647-14-5	0%	0.0009922%			
			Sorbitan Monooleate	Trade Secret	0%	0.0004952%			
			Tryptone	73049-73-7	0%	0.0014883%			
			Water	7732-18-5	0%	0.0525343%			
			Yeast Extract	8013-01-2	0%	0.0009922%			
			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						

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