

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: 30-025-25933							
		2. Well Name: MCDONALD STATE AC 2 #032							
		3. Well Number: 032							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:13 Township:22S Range:36E Feet from:660 N/S Line:N Feet from:1650 E/W Line:E							
		5. Bottom Hole Location: Unit:B Lot:B Section:13 Township:22S Range:36E Feet from:660 N/S Line:N Feet from:1650 E/W Line:E							
		6. Latitude: 32.3972741890915 longitude: -103.215731806174							
		7. County: Lea							
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705		9. OGRID: 873	10. Phone Number: 432-818-1062						
11. Last Fracture Date: 5/12/2014 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 60240		14. Gross Fractured Interval: 6,290 ft to 6,404 ft							
15. True Vertical Depth (TVD): 6,404 ft		16. Total Volume of Fluid Pumped: 32,298 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%	78.14941%			
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.21496%			
			Methanol	67-56-1	50%	0.15354%			
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00017%			
X-Cide 207	Baker Hughes	Biocide	5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00035%			
			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%	0.00209%			
			Magnesium Chloride	7786-30-3	5%	0.00017%			
			Magnesium Nitrate	10377-60-3	10%	0.00035%			
			Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	75%	0.09824%
			GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.0058%
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.09937%			
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.11731%			
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.18215%			
CorrSorb 3600	Baker Hughes	Corrosion Inhibitor	Water	7732-18-5	30%	0.07286%			
			Acid Phosphate Ester	Trade Secret	10%	0.00435%			
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	0.00044%			
			Diatomaceous Earth	91053-39-3	100%	0.04353%			
			Quaternary Ammonium Chloride	Trade Secret	30%	0.01306%			
XLW-24, tote	Baker Hughes	Crosslinker	Glyoxal	107-22-2	10%	0.01712%			
			Sodium Tetraborate	1303-96-4	30%	0.05137%			
FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.02231%			
			Guar Gum	9000-30-0	60%	0.4999%			
GW-4LDF	Baker Hughes	Gelling Agent	Petroleum Distillate Blend (1)	64742-47-8	70%	0.58322%			
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.58322%			
			Petroluem Distillate Blend (2)	64742-55-8	70%	0.58322%			
			Mixture of Surfactants	Trade Secret	50%	0.19967%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Propylene Glycol	57-55-6	30%	0.1198%			
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	17.83574%			
Scaletrol 720, 330 gl tote	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00547%			
			Ethylene Glycol	107-21-1	30%	0.03282%			
Ingredients shown above are subject to 29 CFR 1910			Ethoxylated Alcohol	Trade Secret	0%	0.0014875%			
			Ethylene Glycol	107-21-1	0%	0.0004353%			
			Glutaraldehyde	111-30-8	0%	0.0392946%			
			Methanol	67-56-1	0%	0.0003275%			
			Phosphoric Acid	7664-38-2	0%	0.0004353%			
			Poly (acrylamide-co-acrylic acid)	Trade Secret	0%	0.0223129%			
			Polyacrylate	Trade Secret	0%	0.0218832%			
			Polyoxyalkylenes	78330-21-9	0%	0.0004353%			
			Potassium Chloride	7447-40-7	0%	5.47E-05%			
			Potassium Hydroxide	1310-58-3	0%	0.0019552%			
			Salt	Trade Secret	0%	0.0037188%			
			Sodium Chloride	7647-14-5	0%	0.0001373%			
			Sodium Nitrate	7631-99-4	0%	0.0003482%			
			Sorbitan Monooleate	Trade Secret	0%	0.0037188%			
			Thioglycolic Acid	68-11-1	0%	0.0004353%			
			Water	7732-18-5	0%	0.2109249%			
			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: 6/3/2014						
			E-mail Address: reesa.fisher@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.