

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 February 15, 2012							
		1. WELL API NO: 30-025-41155							
		2. Well Name: NORTHEAST DRINKARD UNIT #564							
		3. Well Number: 564							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: J Lot: J Section: 10 Township: 21S Range: 37E Feet from: 1345 N/S Line: S Feet from: 2065 E/W Line: E							
		5. Bottom Hole Location: Unit: J Lot: J Section: 10 Township: 21S Range: 37E Feet from: 1345 N/S Line: S Feet from: 2065 E/W Line: E							
		6. latitude: 32.4898258007355 longitude: -103.149065513738							
		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: 8/2/2013 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 22900		14. Gross Fractured Interval: 5,693 ft to 6,711 ft							
15. True Vertical Depth (TVD): 6,712 ft		16. Total Volume of Fluid Pumped: 207,144 gals							
17. 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%	72.46272%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	1.08296%			
Activator, 330 gal tote	Baker Hughes	Activator	Water	7732-18-5	85%	6.1368%			
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.19547%			
X-Cide 207	Baker Hughes	Biocide	Methanol	67-56-1	50%	0.13962%			
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00015%			
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.0003%			
			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%	0.00181%			
			Magnesium Chloride	7786-30-3	5%	0.00015%			
			Magnesium Nitrate	10377-60-3	10%	0.0003%			
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00294%			
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.06989%			
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.08295%			
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03006%			
			Water	7732-18-5	30%	0.01202%			
Cl-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00204%			
			Methanol	67-56-1	100%	0.02038%			
			Olefin	Trade Secret	5%	0.00102%			
			Polyoxyalkylenes	Trade Secret	30%	0.00611%			
			Propargyl Alcohol	107-19-7	5%	0.00102%			
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Acid Phosphate Ester	9046-01-9	10%	0.0021%			
			Crystalline Silica: Quartz	14808-60-7	1%	0.00021%			
			Ethylene Glycol	107-21-1	1%	0.00021%			
			Quaternary Ammonium Compound	61789-71-7	30%	0.00629%			
XLW-24, tote	Baker Hughes	Crosslinker	Glyoxal	107-22-2	10%	0.01068%			
			Sodium Tetraborate	1303-96-4	30%	0.03205%			
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Aliphatic Hydrocarbon	Trade Secret	30%	0.00112%			
			Oxyalkylated Alcohol	Trade Secret	5%	0.00019%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.37196%			
			Petroleum Distillate Blend	8042-47-5	70%	0.86792%			
			Petroleum Distillate Blend	64742-55-8	70%	0.43396%			
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.0104%			
			Ammonium Hydroxide	1336-21-6	5%	0.00052%			
			Cupric Chloride	7447-39-4	5%	0.00052%			
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.00343%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.03394%			
			Propylene Glycol	57-55-6	30%	0.02036%			
SB Excel 20/40	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	17.75481%			
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00412%			
			Ethylene Glycol	107-21-1	30%	0.02473%			
Ingredients shown above are subject to 29 CFR 1910			Anionic Terpolymer	Trade Secret	0%	0.002248%			
			Benzyl Chloride	100-44-7	0%	0.0001143%			
			EDTA	64-02-8	0%	1.9E-06%			
			Ethoxylated Nonylphenol	9016-45-9	0%	0.0005713%			
			Formaldehyde	50-00-0	0%	0.0002038%			
			Glycol Ether	Trade Secret	0%	0.0005713%			
			Hydrochloric Acid	7647-01-0	0%	0.0002038%			
			Inorganic Salt	7647-14-5	0%	0.0001873%			
			Modified Thiorea Polymer	68527-49-1	0%	0.0014266%			
			Olefin Sulfonate	Trade Secret	0%	0.0068552%			
			Oxyalkylated Fatty Acid Derivative	Trade Secret	0%	0.0001873%			
			Polyacrylate	Trade Secret	0%	0.0164848%			
			Polyester	Trade Secret	0%	0.0017138%			
			Polyol Ester	Trade Secret	0%	0.0001873%			
			Potassium Chloride	7447-40-7	0%	4.12E-05%			
			Potassium Hydroxide	1310-58-3	0%	0.0013825%			
			Quaternary Amine Compounds	Trade Secret	0%	0.0034276%			
			Sodium Chloride	7647-14-5	0%	2.47E-05%			
			Water	7732-18-5	0%	0.1358622%			
			18. 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. Engineering Tech						
			Date: 9/4/2013						
			E-mail Address: reesa.holland@apachecorp.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.