

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. 30-015-39746							
		2. Well Name: N B TWEEN STATE #028							
		3. Well Number: 028							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:25 Township:17S Range:28E Feet from:330 N/S Line:S Feet from:2310 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:25 Township:17S Range:28E Feet from:330 N/S Line:S Feet from:2310 E/W Line:W							
		6. latitude: longitude: 0 0							
		7. County: Eddy							
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: 3/27/2012 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 96830		14. Gross Fractured Interval: 3,751 ft to 5,441 ft							
15. True Vertical Depth (TVD): 5,441 ft		16. Total Volume of Fluid Pumped: 8,116 bbls							
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%	82.63635%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.52704%			
			Water	7732-18-5	85%	2.98655%			
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.0437%			
Activator, 330 gal tote	Baker Hughes	Activator	Methanol	67-56-1	50%	0.03121%			
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00023%			
X-Cide 207	Baker Hughes	Biocide	5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00045%			
			Crystalline Silica: Cristobalite	14464-46-1	1%	5E-05%			
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	5E-05%			
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00272%			
			Magnesium Chloride	7786-30-3	5%	0.00023%			
			Magnesium Nitrate	10377-60-3	10%	0.00045%			
			Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00783%
			GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00349%
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00138%			
			Water	7732-18-5	97%	0.04468%			
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03769%			
			Water	7732-18-5	30%	0.01508%			
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	61790-12-3	10%	0.00044%			
			Methanol	67-56-1	100%	0.00443%			
			Olefin	64743-02-8	5%	0.00022%			
			Polyoxyalkylenes	68951-67-7	30%	0.00133%			
			Propargyl Alcohol	107-19-7	5%	0.00022%			
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.03297%			
			Sodium Hydroxide	1310-73-2	10%	0.01099%			
			Sodium Tetraborate	1330-43-4	30%	0.03297%			
BioSealers	Baker Hughes	Degradable Sealers	Gelatin	9000-70-8	100%	0.00087%			
GW-4LDF	Baker Hughes	Gelling Agent	Glutaraldehyde	111-30-8	1%	1E-05%			
			Guar Gum	9000-30-0	40%	0.20684%			
Ferrotrol 280L	Baker Hughes	Iron Control	Petroleum Distillates Blend	Trade Secret	70%	0.36197%			
			2-Mercaptoethanol	60-24-2	100%	0.00854%			
NE-945, tote	Baker Hughes	Non-emulsifier	Ammonium Hydroxide	1336-21-6	5%	0.00043%			
			Cupric Chloride	7447-39-4	5%	0.00043%			
			Oxyalkylated alcohol	Trade Secret	5%	0.00466%			
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.88744%			
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	2.62247%			
ScaleSorb 3, (50# bag)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00654%			
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00022%			
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.02181%			
			Phosphonic Acid	13598-36-2	1%	0.00022%			
ES-4A, Greenskeeper Solvent	Baker Hughes	Solvent	Petroleum Distillates Blend	Trade Secret	100%	0.02347%			
Flo-Back 40	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40%	0.04107%			
Ingredients shown above are subject to 29 CFR 1910			Alcohols, C12-14, Ethoxylated Propoxylated	68439-51-0	0%	0.0258551%			
			Alkoxyated Amine	Trade Secret	0%	0.0093223%			
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0106274%			
			Antifoam	Trade Secret	0%	1.86E-05%			
			Crystalline Silica, Quartz	14808-60-7	0%	0.0258551%			
			Formaldehyde	50-00-0	0%	0%			
			Hydrochloric Acid	7647-01-0	0%	0%			
			Isotridecanol, Ethoxylated (TDA-6)	9043-30-5	0%	0.0258551%			
			Isotridecanol, Ethoxylated (TDA-9)	9043-30-5	0%	0.0258551%			
			Methanol	67-56-1	0%	6.53E-05%			
			Methyl salicylate	119-36-8	0%	0%			
			Modified Thiourea Polymer	68527-49-1	0%	0%			
			Organic Sulfonic Acid	27176-87-0	0%	0.0001864%			
			Polyglycol	25322-68-3	0%	0.0017712%			
			Polyquaternary Amine	Trade Secret	0%	0.0011187%			
			Quaternary Ammonium Compounds bis [Hydrogenated Tallow Alkyl] Dimethyl Salts With Bentonite	68953-58-2	0%	0.0258551%			
			Sodium Chloride	7647-14-5	0%	0.0308052%			
			Water	7732-18-5	0%	0.2070716%			
			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: 6/27/2012									
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.