

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. 30-025-40290						
		2. Well Name: WHITE OWL #002						
		3. Well Number: 002						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:4 Section:2 Township:20S Range:38E Feet from:475 N/S Line:N Feet from:1075 E/W Line:W						
		5. Bottom Hole Location: Unit:D Lot:4 Section:2 Township:20S Range:38E Feet from:475 N/S Line:N Feet from:1075 E/W Line:W						
		6. Iatitute: 32.6080915981734 Longitude: - 103.124286431718						
		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: 9/4/2013 Frac Performed by: Baker Hughes			12. Production Type: O					
13. Pool Code(s): 33230, 33250, 78760			14. Gross Fractured Interval: 6,100 ft to 7,102 ft					
15. True Vertical Depth (TVD): 7,057 ft			16. Total Volume of Fluid Pumped: 402,948 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%	91.44661%		
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.4393%		
			Water	7732-18-5	85%	2.48939%		
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	75%	0.02421%		
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00163%		
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.05794%		
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06982%		
			Water	7732-18-5	30%	0.02793%		
Cl-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00036%		
			Methanol	67-56-1	100%	0.00355%		
			Olefin	Trade Secret	5%	0.00018%		
			Polyoxyalkylenes	Trade Secret	30%	0.00107%		
XLW-10A	Baker Hughes	Crosslinker	Propargyl Alcohol	107-19-7	5%	0.00018%		
			Ethylene Glycol	107-21-1	30%	0.02426%		
			Sodium Hydroxide	1310-73-2	10%	0.00809%		
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.02426%		
FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.01025%		
GW-4	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	100%	0.11576%		
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01174%		
			Ammonium Hydroxide	1336-21-6	5%	0.00059%		
			Cupric Chloride	7447-39-4	5%	0.00059%		
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.00208%		
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	4.35662%		
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.71367%		
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02669%		
			Mixture of Surfactants	Trade Secret	50%	0.04448%		
			Water	7732-18-5	30%	0.02669%		
Ingredients shown above are subject to 29 CFR 1910			Benzyl Chloride	100-44-7	0%	6.95E-05%		
			Ethoxylated Alcohol	Trade Secret	0%	0.0006832%		
			Ethoxylated Nonylphenol	9016-45-9	0%	0.0003474%		
			Formaldehyde	50-00-0	0%	3.55E-05%		
			Glutaraldehyde	111-30-8	0%	0.0096836%		
			Glycol Ether	Trade Secret	0%	0.0003474%		
			Hydrochloric Acid	7647-01-0	0%	3.55E-05%		
			Methanol	67-56-1	0%	8.07E-05%		
			Modified Thiorea Polymer	68527-49-1	0%	0.0002486%		
			Olefin Sulfonate	Trade Secret	0%	0.0041694%		
			Poly (acrylamide-co-acrylic acid)	Trade Secret	0%	0.0102474%		
			Polyester	Trade Secret	0%	0.0010423%		
			Quaternary Amine Compounds	Trade Secret	0%	0.0020847%		
			Salt	Trade Secret	0%	0.0017079%		
			Sorbitan Monooleate	Trade Secret	0%	0.0017079%		
			Water	7732-18-5	0%	0.0395641%		
			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 Staff Reg Tech					
			Date: 10/31/2013					
			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.