

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		1. Well API NO. 30-045-34755		Revised November 6, 2013				
				2. Well Name: NE HOGBACK UNIT #074H						
				3. Well Number: 074H						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment				4. Surface Hole Location: Unit:H Lot:H Section:10 Township:30N Range:16W Feet from:2270 N/S Line:N E/W Line:E Feet from:330						
				5. Bottom Hole Location: Unit:H Lot:H Section:10 Township:30N Range:16W Feet from:2270 N/S Line:N E/W Line:E Feet from:330						
				6. Latitude: 36.82969 Longitude: -108.50436						
				7. County: San Juan						
8. Operator Name and Address: CHUZA OIL COMPANY 1000 Cordova Place #376 Santa Fe 87505				9. OGRID: 279508		10. Phone Number: 505-690-7803				
11. Last Fracture Date: 4/12/2014 Frac Performed by: Baker Hughes				12. Production Type: G						
13. Pool Code(s): 32870				14. Gross Fractured Interval: 1,787 ft to 4,884 ft						
15. True Vertical Depth (TVD): 4,973 ft				16. Total Volume of Fluid Pumped: 739,498 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%	60.12586%				
Alpha 1427	Baker Hughes	Biocide	Didecyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.00329%				
			Ethanol	64-17-5	5%	0.00165%				
			Glutaraldehyde	111-30-8	30%	0.00988%				
			Quaternary Ammonium Compound	68424-85-1	5%	0.00165%				
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00619%				
Enzyme G-III	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%				
BC-6	Baker Hughes	Breaker Catalyst	Triethanolamine	102-71-6	60%	0.01697%				
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05708%				
			Water	7732-18-5	30%	0.02283%				
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Acid Phosphate Ester	Trade Secret	10%	0.00146%				
			Crystalline Silica: Quartz	14808-60-7	1%	0.00015%				
			Diatomaceous Earth	91053-39-3	100%	0.01463%				
			Ethylene Glycol	107-21-1	1%	0.00015%				
			Quaternary Ammonium Compound	Trade Secret	30%	0.00439%				
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Alkyl Sulfate (1 of 2)	Trade Secret	5%	0.01466%				
			Alkyl Sulfate (2 of 2)	Trade Secret	5%	0.01466%				
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.02931%				
			Isopropanol	67-63-0	30%	0.08794%				
			Sodium Sulfonate	68439-57-6	30%	0.08794%				
GW-3LDF	Baker Hughes	Gelling Agent	1-butoxy-2-propanol	5131-66-8	5%	0.01447%				
			Crystalline Silica: Quartz	14808-60-7	5%	0.01447%				
			Guar Gum	9000-30-0	60%	0.17369%				
			Isotridecanol, ethoxylated	9043-30-5	5%	0.01447%				
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.08685%				
			Petroleum Distillates	64742-47-8	30%	0.08685%				
			Nitrogen	7727-37-9	100%	9.41861%				
			NE-900, tote	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.01919%	
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10%	0.0064%				
Parasorb 5005, 50 lb bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	100%	0.05753%				
			Complex Ester	Trade Secret	30%	0.01726%				
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00058%				
			Ethylene-Vinyl Acetate Copolymer	Trade Secret	5%	0.00288%				
			Heavy Aromatic Naphtha	64742-94-5	10%	0.00575%				
			Mineral Oil	8042-47-5	5%	0.00288%				
			Naphthalene	91-20-3	1%	0.00058%				
			Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	29.19823%	
			ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00417%	
Crystalline Silica: Quartz (SiO2)	14808-60-7	1%				0.00014%				
Diatomaceous Earth, Calcined	91053-39-3	100%				0.01391%				
Phosphonic Acid	13598-36-2	1%				0.00014%				
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01792%				
			Oxyalkylated Alkylphenol (1)	Trade Secret	10%	0.00597%				
			Oxyalkylated Alkylphenol (2)	Trade Secret	10%	0.00597%				
			Oxyalkylated Amine	Trade Secret	3%	0.00179%				
Ingredients shown above are subject to 29 CFR 1910			Polyoxyalkylene	Trade Secret	10%	0.00597%				
			2-butoxy-1-propanol	15821-83-7	0%	0.0002895%				
			Alkyl Sulfate	Trade Secret	0%	0.0029313%				
			Copolymer	Trade Secret	0%	0.025585%				
			Ethoxylated Alcohol	Trade Secret	0%	0.0029313%				
			Ethylene Glycol	107-21-1	0%	0.0029313%				
			Fatty Amide Derivative	70851-08-0	0%	0.0029313%				
			Formaldehyde	50-00-0	0%	0.0029313%				
			Hemicellulase	9025-56-3</						