

Submit within 45 days of well completion		<b>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</b>		Revised February 15, 2012		
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b>  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment				1. WELL API NO. 30-015-39967		
				2. Well Name: COTTONWOOD HILLS 32 STATE COM #001		
				3. Well Number: 001		
				4. Surface Hole Location: Unit:M Lot:M Section:32 Township:25S Range:27E Feet from:500 N/S Line:S Feet from:740 E/W Line:W		
				5. Bottom Hole Location: Unit:M Lot:M Section:32 Township:25S Range:27E Feet from:500 N/S Line:S Feet from:740 E/W Line:W		
				6. latitude: 0 longitude: 0		
				7. County: Eddy		
8. Operator Name and Address: CIMAREX ENERGY CO. 600 N MARIENFELD STREET SUITE 600 MIDLAND 79701				9. OGRID: 215099		10. Phone Number:
11. Last Fracture Date: 6/4/2012 Frac Performed by: Schlumberger				12. Production Type: G		
13. Pool Code(s): 97489				14. Gross Fractured Interval: 9,571 ft to 9,767 ft		
15. True Vertical Depth (TVD): 9,767 ft				16. Total Volume of Fluid Pumped: 96,334 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)
Slickwater, WF115, YF115	Schlumberger	Friction Reducer, Bactericide, Surfactant , Breaker, Gelling Agent, Crosslinker, AntiFoam Agent, Act	Water (Including Mix Water Supplied by Client)*	-	0%	89.37383%
			Crystalline silica	14808-60-7	96.36%	10.23916%
			Carbohydrate polymer	Proprietary	0.99%	0.10499%
			Ethane-1,2-diol	107-21-1	0.61%	0.06479%
			Diammonium peroxidisulphate	7727-54-0	0.15%	0.01567%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.1%	0.01085%
			Sodium tetraborate	1330-43-4	0.08%	0.0081%
			Polyethylene glycol monohexyl ether	31726-34-8	0.05%	0.00539%
			Aliphatic co-polymer	Proprietary	0.05%	0.00489%
			Glutaraldehyde	111-30-8	0.04%	0.00456%
			Sodium hydroxide	1310-73-2	0.04%	0.0039%
			Alcohol ethoxylate C-10/16 with 6.5 EO	68002-97-1	0.01%	0.00136%
			HCL 15%	Petroplex	Acid	Hydrochloric Acid
Mud Acid 7.5%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.08%	0.00834%
ABF	Petroplex	Acid	Ammonium Hydrogen Fluoride	1341-49-7	0.19%	0.02035%
			Ammonium Fluoride	12125-01-8	0.01%	0.00107%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	0%	8E-05%
			Heavy Aromatic Naptha	64742-94-5	0%	8E-05%
			Isopropanol	67-63-0	0%	8E-05%
			Fatty Acids	CBI	0%	3E-05%
			Complex Alkylaryl Polyo-Ester	CBI	0%	3E-05%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	0%	3E-05%
			Formaldehyde	50-00-0	0%	3E-05%
			Acetylenic Alcohol	CBI	0%	1E-05%
			Propargyl Alcohol	107-19-7	0%	1E-05%
			Napthalene	91-20-3	0%	1E-05%
Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	0.01%	0.00067%
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	0%	3E-05%
			Isopropanol	67-63-0	0%	0.00015%
			Polyethylene Glycol	25322-68.3	0%	1E-05%
			Napthalene	91-20-3	0%	0%
			Phosphoric Acid Ester	CBI	0%	3E-05%
			Oxyalkylated Alcohol	CBI	0%	3E-05%
			Oxyalkylated Alkyl Alcohol	CBI	0%	3E-05%
			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: Skipper Herring		Manager Stimulation		
Date: 6/15/2012				Title: Operations		
E-mail Address: sherring@cimarex.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.