

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. 30-025-40365				
		2. Well Name: HAT MESA 10 FEDERAL COM #002				
		3. Well Number: 002				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:A Lot:A Section:10 Township:21S Range:32E Feet from:660 N/S Line:N Feet from:330 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:10 Township:21S Range:32E Feet from:660 N/S Line:N Feet from:330 E/W Line:E				
		6. latitude: longitude: 32.4987997518396 - 103.655112365284				
		7. County: Lea				
8. Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld St Suite 600 Midland 79701		9. OGRID: 162683		10. Phone Number: 432-620-1938		
11. Last Fracture Date: 3/5/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 96403		14. Gross Fractured Interval: 10,493 ft to 10,627 ft				
15. True Vertical Depth (TVD): 10,627 ft		16. Total Volume of Fluid Pumped: 37,077 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)
Fresh Water	Cimarex	Base Fluid	Fresh Water		100%	84.4705%
Premium White 20/40	Halliburton	Proppant			100%	10.54404%
CRC-20/40	Halliburton	Proppant			100%	4.40652%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.03674%
			Monoethanolamine borate	26038-87-9	100%	0.12246%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01975%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.06509%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.06509%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00336%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00184%
			Ethanol	64-17-5	60%	0.11018%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.05509%
			Naphthalene	91-20-3	5%	0.00918%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00918%
			Acetic acid	64-19-7	30%	0.00172%
D-AIR 3000L	Halliburton	Defoamer	Ammonium acetate	631-61-8	100%	0.00575%
			Alkenes	Confidential Business Information	100%	0.00959%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Silica, amorphous precipitated	67762-90-7	30%	0.00288%
			Guar gum	9000-30-0	100%	0.50092%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00473%
			Walnut hulls	Mixture	100%	0.01578%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00034%
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	15%	0.01478%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	30%	5.3E-05%
			Heavy Aromatic Naptha	64742-94-5	30%	5.3E-05%
			Isopropanol	67-63-0	30%	5.3E-05%
			Fatty Acids	CBI	10%	1.8E-05%
			Complex Alkylaryl Polyo-Ester	CBI	10%	1.8E-05%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	10%	1.8E-05%
			Formaldehyde	50-00-0	10%	1.8E-05%
			Acetylenic Alcohol	CBI	5%	9E-06%
			Propargyl Alcohol	107-19-7	5%	9E-06%
Citric Acid	Petroplex	Iron Control	Napthalene	91-20-3	5%	9E-06%
			Citric Acid	77-92-9	100%	0.000458%
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	10%	1.7E-05%
			Isopropanol	67-63-0	60%	0.000102%
			Polyethylene Glycol	25322-68.3	5%	9E-06%
			Napthalene	91-20-3	1%	2E-06%
			Phosphoric Acid Ester	CBI	10%	1.7E-05%
			Oxyalkylated Alcohol	CBI	10%	1.7E-05%
			Oxyalkylated Alkyl Alcohol	CBI	10%	1.7E-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 Title: Operations		
Date: 4/13/2012						
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.