

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. 30-015-39090				
		2. Well Name: ALASKA 29 FEE #004				
		3. Well Number: 004				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:J Lot:J Section:29 Township:18S Range:26E Feet from:1650 N/S Line:S Feet from:2310 E/W Line:E				
		5. Bottom Hole Location: Unit:J Lot:J Section:29 Township:18S Range:26E Feet from:1650 N/S Line:S Feet from:2310 E/W Line:E				
		6. latitude: longitude: 32.71623149619 - 104.403251743704				
		7. County: Eddy				
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: 4/18/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 50270		14. Gross Fractured Interval: 2,280 ft to 2,863 ft				
15. True Vertical Depth (TVD): 2,863 ft		16. Total Volume of Fluid Pumped: 57,888 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	Water		100%	95.14658%
100 Mesh	Halliburton	Proppant	Sand		100%	0.48921%
Premium White - 30/50	Halliburton	Proppant	Sand		100%	4.23989%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00223%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00082%
			Ethanol	64-17-5	60%	0.04944%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02472%
			Naphthalene	91-20-3	5%	0.00412%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00412%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01457%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	3E-05%
SIG-746	Reef	Scale Inhibitor	L-Aspartic Acid, Homopolymer, Sodium Salt	34345-47-6	15%	0.00025%
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	15%	0.00336%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	30%	1E-05%
			Heavy Aromatic Naptha	64742-94-5	30%	1E-05%
			Isopropanol	67-63-0	30%	1E-05%
			Fatty Acids	CBI	10%	4E-06%
			Complex Alkylaryl Polyo-Ester	CBI	10%	4E-06%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	10%	4E-06%
			Formaldehyde	50-00-0	10%	4E-06%
			Acetylenic Alcohol	CBI	5%	2E-06%
			Propargyl Alcohol	107-19-7	5%	2E-06%
			Napthalene	91-20-3	5%	2E-06%
Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	100%	0.0001%
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	10%	4E-06%
			Isopropanol	67-63-0	60%	2E-05%
			Polyethylene Glycol	25322-68.3	5%	2E-06%
			Phosphoric Acid Ester	CBI	10%	4E-06%
			Oxyalkylated Alcohol	CBI	10%	4E-06%
			Oxyalkylated Alkyl Alcohol	CBI	10%	4E-06%
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: <u>Signed Electronically</u>		Printed Name: <u>Skipper Herring</u>		Manager Stimulation Title: <u>Operations</u>		
Date: <u>4/20/2012</u>						
E-mail Address: <u>sherring@cimarex.com</u>						

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.