

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 November 6, 2013							
		1. WELL API NO: 30-015-42016							
		2. Well Name: BLUE THUNDER 5 FEDERAL COM #005H							
		3. Well Number: 005H							
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:L Lot:L Section:4 Township:19S Range:31E Feet from:1630 N/S Line:S E/W Line:W Feet from:255							
		5. Bottom Hole Location: Unit:L Lot:L Section:5 Township:19S Range:31E Feet from:1885 N/S Line:S E/W Line:W Feet from:350							
		6. latitude: longitude: 32.6867176620083 - 103.882200898841							
		7. County: Eddy							
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701		9. OGRID: 229137	10. Phone Number: 432-685-4332						
11. Last Fracture Date: 4/27/2014 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97056		14. Gross Fractured Interval: 9,102 ft to 13,490 ft							
15. True Vertical Depth (TVD): 8,887 ft		16. Total Volume of Fluid Pumped: 4,758,674 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)			
Fresh Water	Operator				100%	84.12438%			
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.15691%			
20/40 Premium White	Halliburton				100%	11.16953%			
20/40 CRC	Halliburton				100%	2.71009%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.0101%			
			Monoethanolamine borate	26038-87-9	100%	0.03366%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	8E-05%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00412%			
CLA-STA-XP ADDITIVE	Halliburton	Clay Stabilizer	Polyeppichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00707%			
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.0284%			
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.00216%			
			Glycerine	56-81-5	10%	0.00433%			
			Poly(oxy-1,2-ethanediyl), alpha,-isodecyl-, omega,-hydroxy-	61827-42-7	30%	0.01298%			
Scaletrol	Halliburton				100%	0%			
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.03735%			
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.03735%			
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00011%			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00153%			
			Propargyl alcohol	107-19-7	10%	0.00025%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00169%			
			Walnut hulls	Mixture	100%	0.00565%			
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01486%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.16367%			
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	5E-05%			
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%			
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%			
			Acetic acid	64-19-7	0%	0%			
			Acetic anhydride	108-24-7	0%	0%			
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%			
			Alkane	Confidential Business Information	0%	0%			
			Amine salts	Confidential Business Information	0%	0%			
			Amine salts	Confidential Business Information	0%	0%			
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			C.I. Pigment Red 5	6410-41-9	0%	0%			
			Calcium chloride	10043-52-4	0%	0%			
			Citric acid	77-92-9	0%	0%			
			Crystalline Silica, Quartz	14808-60-7	0%	0%			
			Cured acrylic resin	Confidential Business Information	0%	0%			
			Cured acrylic resin	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%			
			Fatty acids, tall oil	Confidential Business Information	0%	0%			
			Hydrogen peroxide	7722-84-1	0%	0%			
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Quaternary amine	Confidential Business Information	0%	0%			
			Quaternary amine	Confidential Business Information	0%	0%			
			Quaternary amine	Confidential Business Information	0%	0%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium bicarbonate	144-55-8	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sodium glycolate	2836-32-0	0%	0%			
			Sodium hydroxide	1310-73-2	0%	0%			
			Surfactant mixture	Confidential Business Information	0%	0%			
			Surfactant mixture	Confidential Business Information	0%	0%			
			Trimethylamine, N-oxide	1184-78-7	0%	0%			
			Water	7732-18-5	0%	0%			
			20. 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: Stormi Davis Title: Regulatory Analyst						
Date: 6/30/2014									
E-mail Address: sdavis@conchoresources.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.									