

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. 30-025-39863				
		2. Well Name: J C FEDERAL #055				
		3. Well Number: 055				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:N Lot:N Section:22 Township:17S Range:32E Feet from:270 N/S Line:S Feet from:1940 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:22 Township:17S Range:32E Feet from:270 N/S Line:S Feet from:1910 E/W Line:W				
		6. Latitude: longitude: 32.8137007372682 - 103.755478920519				
		7. County: Lea				
8. Operator Name and Address: COG OPERATING LLC 550 W TEXAS SUITE 1300 MIDLAND 79701				9. OGRID: 229137	10. Phone Number:	
11. Last Fracture Date: 2/20/2012 Frac Performed by: Halliburton				12. Production Type: O		
13. Pool Code(s): 44500				14. Gross Fractured Interval: 5,540 ft to 6,900 ft		
15. True Vertical Depth (TVD): 7,118 ft				16. Total Volume of Fluid Pumped: 12,977 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	Operator				100%	85.4959%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	HYDROCHLORIC ACID	7647-01-0	30%	1.57257%
CRC-16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.88543%
			Hexamethylenetetramine	100-97-0	2%	0.03771%
			Phenol / formaldehyde resin	9003-35-4	5%	0.09427%
BC-140 X2	Halliburton	Initiator	ETHYLENE GLYCOL	107-21-1	30%	0.01628%
			MONOETHANOLAMINE BORATE	26038-87-9	100%	0.05427%
HpH REAKER	Halliburton	Breaker	SODIUM CHLORIDE	7647-14-5	30%	0.00021%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00067%
			Ethanol	64-17-5	60%	0.04014%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02007%
			Naphthalene	91-20-3	5%	0.00335%
			Poly(oxy-1,2-ethanediyl), Alpha-(4-nonylphenyl)-Omega-Hydroxy-Branched	127087-87-0	5%	0.00335%
BE-7	Halliburton	Biocide	Sodium Hydroxide	1310-73-2	2%	0.00072%
			Sodium Hypochlorite	7681-52-9	30%	0.01078%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.0303%
			ethoxylated nonylphenol	Confidential Business Information	60%	0.0303%
3rd Party Scale Inhibitor	Operator	3rd Party Additive	Supplied by Operator		100%	0.05112%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00138%
			Walnut Hulls	Mixture	100%	0.00461%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	GUAR GUM	9000-30-0	100%	0.15094%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-BROMO-2-NITRO-1,3-PROPANEDIOL	52-51-7	100%	0.00169%
SAND- PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.62944%
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:	Chasity Jackson	
Date:		4/16/2012		Title: Regulatory Analyst		
E-mail Address:		cjackson@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.