

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: 30-015-40700				
		2. Well Name: DODD FEDERAL UNIT #598				
		3. Well Number: 598				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:I Lot:I Section:14 Township:17S Range:29E Feet from:1390 N/S Line:S Feet from:915 E/W Line:E				
		5. Bottom Hole Location: Unit:P Lot:P Section:14 Township:17S Range:29E Feet from:1313 N/S Line:S Feet from:1001 E/W Line:E				
		6. latitude: 32.8311690598823 longitude: -104.039843424406				
		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: 12/4/2014 Frac Performed by: Elite Well Services		12. Production Type: O				
13. Pool Code(s): 97917		14. Gross Fractured Interval: 4,100 ft to 4,390 ft				
15. True Vertical Depth (TVD): 4,560 ft		16. Total Volume of Fluid Pumped: 195,132 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)
Water	Customer	Carrier/Base Fluid	Water	7732-18-5	100%	85.79445%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	11.67757%
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7	100%	1.40253%
Hydrochloric Acid (7 1/2%)	CNR	Acidizing	Hydrochloric Acid	7647-01-0	18.7%	0.08551%
4-N-1 Plus	Chemplex	Iron Control, Corr Inhib, Surfactant	Acetic Acid	64-19-7	80%	0.00287%
Plexset 730	Chemplex	Activator	Methanol	67-56-1	10%	0.00036%
			Secondary Alcohol Ethoxylate	84133-50-6	50%	0.00929%
Plexsurf 580 ME	Chemplex	Surfactant	Methyl Alcohol	67-56-1	10%	0.00833%
			2-Butoxyethanol	111-76-2	50%	0.04163%
Plexgel 907 LE	Chemplex	Polymer	Guar Gum	9000-30-0	50%	0.18676%
			Mineral Oil	64742-47-8	55%	0.20543%
			Bentonite Clay	14808-60-7	2%	0.00747%
			Surfactant	68439-51-0	2%	0.00747%
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.01408%
			Potssium Metaborate	13709-94-9	30%	0.04228%
			Potassium Hydroxide	1310-58-3	5%	0.00705%
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes	Proprietary	2%	0.00089%
			Sodium Chloride	7647-14-5	15%	0.00666%
Sodium Persulfate	Chemplex	Gel Breaker	Sodium Persulfate	7775-27-1	98%	0.00181%
AMA 398	Chemplex	Biocide	Tetrahydro-3,Dimethyl-2H	533-74-4	98%	0.00201%
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: Chasity Jackson		Title: Regulatory Analyst		
Date: 1/8/2015						
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.