

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. 30-015-40539				
		2. Well Name: CARMEN 3 FEDERAL COM #015H				
		3. Well Number: 015H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:1 Section:3 Township:17S Range:30E Feet from:330 N/S Line:N Feet from:330 E/W Line:E				
		5. Bottom Hole Location: Unit:D Lot:4 Section:3 Township:17S Range:30E Feet from:401 N/S Line:N Feet from:350 E/W Line:W				
		6. latitude: longitude: 0 0				
		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: 6/25/2013 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 96718		14. Gross Fractured Interval: 6,123 ft to 10,075 ft				
15. True Vertical Depth (TVD): 5,724 ft		16. Total Volume of Fluid Pumped: 1,220,147 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%	84.93153%
FE ACID - >10% HCL	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	1.64337%
100 Mesh	Halliburton				100%	0.24972%
Premium Brown 20/40	Halliburton				100%	10.99253%
CRC 16/30	Halliburton				100%	1.80613%
BC-200 UC	Halliburton	Crosslinker	Modified Alkane	Confidential Business Information	60%	0.04259%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00305%
			Monoethanolamine borate	26038-87-9	100%	0.01018%
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.01485%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.0003%
BE-7™	Halliburton	Biocide	Sodium hydroxide	1310-73-2	2%	0.00103%
			Sodium hypochlorite	7681-52-9	30%	0.01547%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02884%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02884%
LOSURF-360W	Halliburton				100%	0%
CAT-1106 SI	Halliburton				100%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14858%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00138%
			Walnut hulls	Mixture	100%	0.00459%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3- propanediol	52-51-7	100%	0.0003%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01502%
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00167%
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: 1/6/2014						
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.