

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: 30-025-41384		
		2. Well Name: DECKARD FEDERAL COM #004H		
		3. Well Number: 004H		
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:A Section:13 Township:24S Range:33E Feet from:190 N/S Line:N Feet from:660 E/W Line:E		
		5. Bottom Hole Location: Unit:P Lot:P Section:13 Township:24S Range:33E Feet from:396 N/S Line:S Feet from:616 E/W Line:E		
		6. latitude: 32.2243177602736 longitude: -103.519614351617		
		7. County: Lea		

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: 7/20/2014 Frac Performed by: Halliburton		12. Production Type: O	
13. Pool Code(s): 96434		14. Gross Fractured Interval: 11,131 ft to 15,295 ft	
15. True Vertical Depth (TVD): 11,103 ft		16. Total Volume of Fluid Pumped: 4,543,787 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%	52.45617%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.37324%
CRC-30/50	Halliburton				100%	14.46065%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.0012%
			Potassium metaborate	13709-94-9	60%	0.01445%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.03836%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00993%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0042%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00506%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02555%
LOSURF-360	Halliburton				100%	0%
Scaletrol	Halliburton				100%	0%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01116%
			Silica, amorphous precipitated	67762-90-7	30%	0.00335%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17752%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	5E-05%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00957%
			Crystalline silica, quartz	14808-60-7	30%	0.00287%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00054%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01218%
Parasorb	Halliburton				100%	0.01827%
Ingredients Listed Below This Line Are Part of the			Acrylate polymer	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%
			Borate salts	Confidential Business Information	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Polypropylene glycol	25322-69-4	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	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: 8/28/2014		
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.