

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: 30-025-42061				
		2. Well Name: GREY HAWK STATE #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:31 Township:21S Range:34E Feet from:190 N/S Line:S Feet from:2310 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:31 Township:21S Range:34E Feet from:343 N/S Line:N Feet from:2279 E/W Line:E				
		6. Latitude: 32.4285181501135 longitude: -103.508018365824				
		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: 5/18/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97962		14. Gross Fractured Interval: 11,104 ft to 15,340 ft				
15. True Vertical Depth (TVD): 10,941 ft		16. Total Volume of Fluid Pumped: 6,921,466 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)
FE Acid < 10%	Halliburton	Base Fluid	NA	NA	0%	0%
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	93.89003%
BE-6 MICROBIOCIDE, BE-9, CL-22 UC, CL-31 CROSSLINK	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Corrosion Inhibitor, Crosslinker, Gelli	NA	NA	0%	0%
NA	Halliburton	Scale Preventer, Surfactant	NA	NA	0%	0%
Parasorb, Scaletrol (TP)	Baker Hughes	Additive	NA	NA	0%	0%
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	4E-05%
			Acrylate polymer	Confidential	1%	0.00026%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00095%
			Alkane	Confidential	1%	0.00048%
			Amine salts	Confidential	0.1%	0.00011%
			Ammonium persulfate	7727-54-0	100%	0.00544%
			Ammonium salt	Confidential	60%	0.03177%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00937%
			Borate salts	Confidential	60%	0.01534%
			Complex alkylamine	Proprietary	5%	0.00241%
			Crystalline silica, quartz	14808-60-7	30%	0.00166%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00019%
			Cured acrylic resin	Confidential	30%	0.00163%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00095%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01789%
			Guar gum	9000-30-0	100%	0.18737%
			Methanol	67-56-1	60%	0.00191%
			NFIDB:FE Acid < 10%	NFIDB:FE Acid < 10%	100%	1.83997%
			NFIDB:NA	NFIDB:NA	100%	3.83203%
			Olefins	Confidential	5%	0.00038%
			Poly(oxy-1,2-ethanediyl), ,alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01446%
			Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00863%
			Potassium formate	590-29-4	60%	0.01534%
			Potassium hydroxide	1310-58-3	5%	0.00031%
			Potassium metaborate	13709-94-9	60%	0.00368%
			Propargyl alcohol	107-19-7	10%	0.00032%
			Quaternary amine	Confidential	5%	0.00323%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00095%
			Silica gel	112926-00-8	1%	0.00187%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium carboxymethyl cellulose	9004-32-4	1%	0.00026%
			Sodium chloride	7647-14-5	5%	0.00301%
			Sodium glycolate	2836-32-0	1%	0.00026%
			Sodium hydroxide	1310-73-2	30%	0.00322%
			Sodium persulfate	7775-27-1	100%	0.01024%
			Sodium sulfate	7757-82-6	0.1%	1E-05%
			Surfactant mixture	Confidential	1%	0.00375%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00469%
			Trimethylamine, N-oxide	1184-78-7	5%	0.00072%
			Water	7732-18-5	100%	0.16295%
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: 6/23/2015						
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.