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. 30-015-43026
2. Well Name: CTA STATE COM #006H
3. Well Number: 006H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:P Lot:P Section:32 Township:18S Range:30E; Feet from:315 N/S Line:S; Feet from:150 E/W Line:E
5. Bottom Hole Location: Unit:M Lot:M Section:32 Township:18S Range:30E; Feet from:315 N/S Line:S; Feet from:150 E/W Line:E
6. latitude: 32.697602966 longitude: -103.98604909
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: 6/12/2015 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 54600
14. Gross Fractured Interval: 8,535 ft to 12,615 ft
15. True Vertical Depth (TVD): 8,360 ft
16. Total Volume of Fluid Pumped: 5,117,602 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	Base Fluid	Fresh Water	7732-18-5	100%	97.84744%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140 X2, BE-6 MICROBIOCIDE, BE-9, CLA-STA XP ADD	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Stablizer, Corrosion Inhibitor, Gelling Agent, Ini	NA	NA	0%	0%
Parasorb, Scaletrol	Baker Hughes	Scale Inhibitor	NA	NA	0%	0%
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	4E-05%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	3E-05%
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	6E-05%
			Acetic acid	64-19-7	60%	0.01048%
			Acetic anhydride	108-24-7	100%	0.01746%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00087%
			Alkane	Confidential	1%	0.00055%
			Amine salts	Confidential	0.1%	0.00011%
			Ammonium salt	Confidential	60%	0.032%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00731%
			C.I. Pigment Red 5	6410-41-9	1%	6E-05%
			Calcium chloride	10043-52-4	0.1%	4E-05%
			Calcium Chloride	10043-52-4	5%	0.00145%
			Citric acid	77-92-9	60%	0.01087%
			Complex alkylamine	Proprietary	5%	0.00274%
			Crystaline silica	14808-60-7	1%	0.00012%
			Crystalline silica, quartz	14808-60-7	30%	0.00184%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00015%
			Cured acrylic resin	Confidential	30%	0.0019%
			Diatomaceous earth, calcined	91053-39-3	60%	0.00734%
			Enzyme	Confidential	5%	0.00072%
			Ethylene glycol	107-21-1	30%	0.00951%
			Ethylene Glycol	107-21-1	30%	0.0087%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Fatty acids, tall oil	Confidential	30%	0.00087%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01605%
			Guar gum	9000-30-0	100%	0.14628%
			Hydrochloric acid	7647-01-0	60%	0.99723%
			Methanol	67-56-1	60%	0.00173%
			Mineral Oil	8042-47-5	30%	0.00367%
			Monoethanolamine borate	26038-87-9	100%	0.0317%
			Olefins	Confidential	5%	0.00035%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.01646%
			Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00803%
			Propargyl alcohol	107-19-7	10%	0.00029%
			Quaternary amine	Confidential	5%	0.00325%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00087%
			Silica gel	112926-00-8	1%	0.00146%
			Sodium bicarbonate	144-55-8	0.01%	1E-05%
			Sodium chloride	7647-14-5	30%	0.01516%
			Surfactant mixture	Confidential	1%	0.00293%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00474%
			Trimethylamine, N-oxide	1184-78-7	5%	0.00067%
			Walnut hulls	NA	100%	0.00613%
			Water	7732-18-5	100%	1.87114%

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: 7/30/2015

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.