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. 30-015-42764

2. Well Name: FLYSWATTER STATE #003H

3. Well Number: 003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:N Lot:N Section:31 Township:23S Range:27E
Feet from:190 N/S Line:S
Feet from:1980 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:31 Township:23S Range:27E
Feet from:190 N/S Line:S
Feet from:1980 E/W Line:W

6. latitude: 32.254277900113 longitude: -104.231552897944

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: 8/5/2015 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 97837

14. Gross Fractured Interval: 8,942 ft to 8,948 ft

15. True Vertical Depth (TVD): 10,920 ft

16. Total Volume of Fluid Pumped: 158,746 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%	88.56499%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BE-6 MICROBIOCIDE, BE-9, Cla-Web(TM), HAI-OS ACID	Halliburton	Additive, Biocide, Breaker, Corrosion Inhibitor, Gelling Agent, Microbiocide, Proppant, Scale Preven	NA	NA	0%	0%
SP BREAKER, WG-36 GELLING AGENT	Halliburton		NA	NA	0%	0%
ParaSorb 5000, ScaleTrol 720	Baker Hughes	Additive, Scale Inhibitor	NA	NA	0%	0%
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00201%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00045%
			Alkane	Confidential	1%	0.00044%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium persulfate	7727-54-0	100%	0.00261%
			Ammonium salt	Confidential	60%	0.02941%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00343%
			Calcium chloride	10043-52-4	5%	0.00133%
			Complex alkylamine	Proprietary	5%	0.00219%
			Crystalline silica, quartz	14808-60-7	100%	9.4049%
			Crystalline Silica, Quartz	14808-60-7	0.1%	7E-05%
			Crystalline silica: Quartz	14808-60-7	1%	0.00023%
			Cured acrylic resin	Confidential	30%	0.00078%
			Diatomaceous earth, calcined	91053-39-3	60%	0.01405%
			Ethylene glycol	107-21-1	30%	0.00796%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00045%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.03345%
			Guar gum	9000-30-0	100%	0.06863%
			Hydrochloric acid	7647-01-0	60%	1.04208%
			Methanol	67-56-1	60%	0.00089%
			Mineral oil	8042-47-5	30%	0.00702%
			Olefins	Confidential	5%	0.00018%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.01313%
			Propargyl alcohol	107-19-7	10%	0.00015%
			Quaternary amine	Confidential	5%	0.00299%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00045%
			Silica gel	112926-00-8	1%	0.00069%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	5%	0.00245%
			Sodium persulfate	7775-27-1	100%	0.00026%
			Sodium sulfate	7757-82-6	0.1%	0%
			Surfactant mixture	Confidential	1%	0.00137%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00429%
			Water	7732-18-5	100%	1.86294%

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: 2/22/2016

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.