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.
30-015-34285

2. Well Name:
ZEBU STATE #001

3. Well Number:
001

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:13 Section:2 Township:21S Range:24E
Feet from:3656 N/S Line:N
Feet from:800 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:13 Section:2 Township:21S Range:24E
Feet from:3656 N/S Line:N
Feet from:800 E/W Line:W

6. latitude: 32.5125198 longitude: -104.4756927

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: 5/12/2016 Frac Performed by: Cudd Energy Services

12. Production Type:
O

13. Pool Code(s):
98162

14. Gross Fractured Interval:
3,333 ft to 3,460 ft

15. True Vertical Depth (TVD):
10,250 ft

16. Total Volume of Fluid Pumped:
33,064 gals

17. Total Volume of Re-Use Water Pumped:
0 gals

18. Percent of Re-Use Water in Fluid Pumped:
%

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)
Water		Carrier / Base Fluid		7732-18-5	100%	75.81438%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	16.72527%
Coolset	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	4.3843%
			P/F Novolak Resin	9003-35-4	5%	0.22599%
			Hexamethylenetetramine	1009-7-0	1%	0.0452%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.002%
			Water	7732-18-5	80%	0.008%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.36971%
			Water	7732-18-5	85%	2.09502%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.0019%
			Propargyl Alcohol	107-19-7	4%	0.00015%
SG-15G	PfP Technology	Polymer	Guar Gum	9000-30-0	50%	0.12199%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.13419%
			Bentonite Clay	14808-60-7	2%	0.00488%
			Surfactant	68439-51-0	2%	0.00488%
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1	25%	0.02287%
			Potassium Hydroxide	1310-58-3	25%	0.02287%
			Proprietary	Proprietary	25%	0.02287%
			Proprietary	Proprietary	15%	0.01372%
			Proprietary	Proprietary	10%	0.00915%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00303%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.02522%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0	15%	0.00736%
			Methanol	67-56-1	15%	0.00736%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.00981%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.00746%
			Water	7732-18-5	55%	0.00746%
SI-625	Keltech	Scale Inhibitor	Methanol	67-56-1	19.9%	0.00708%

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: Kanicia Carrillo Title: Regulatory Analsyt

Date: 6/1/2016

E-mail Address: kcarrillo@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.