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 February 15, 2012

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

1. WELL API NO.: 30-015-40342
2. Well Name: DODD FEDERAL UNIT #552
3. Well Number: 552
4. Surface Hole Location: Unit:K Lot:K Section:10 Township:17S Range:29E Feet from:1650 N/S Line:S Feet from:1650 E/W Line:W
5. Bottom Hole Location: Unit:K Lot:K Section:10 Township:17S Range:29E Feet from:1650 N/S Line:S Feet from:1650 E/W Line:W
6. latitude: 32.8464579879571 longitude: -104.065883654334
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: 9/13/2012 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 97917
14. Gross Fractured Interval: 3,990 ft to 4,240 ft
15. True Vertical Depth (TVD): 4,426 ft
16. Total Volume of Fluid Pumped: 2,835 bbls

17. **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%	86.66039%
HF ACID 12%/3%	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	1.56207%
			Hydrofluoric acid	7664-39-3	5%	0.0781%
Premium Brown 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.96371%
CRC-16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.32995%
			Hexamethylenetetramine	100-97-0	2%	0.0266%
			Phenol / formaldehyde resin	9003-35-4	5%	0.0665%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02356%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02356%
BE-7™	Halliburton	Biocide	Sodium hydroxide	1310-73-2	2%	0.00072%
			Sodium hypochlorite	7681-52-9	30%	0.01073%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00072%
CAT-4	Halliburton	Activator	Diethylenetriamine	111-40-0	60%	0.04385%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00104%
			Ethanol	64-17-5	60%	0.06221%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.03111%
			Naphthalene	91-20-3	5%	0.00518%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00518%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01942%
			Monoethanolamine borate	26038-87-9	100%	0.06472%
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00873%
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.15315%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00092%
			Walnut hulls	Mixture	100%	0.00305%

18. 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: Chasity Jackson Title: Regulatory Analyst

Date: 1/21/2013

E-mail Address: cjackson@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.