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

1. WELL API NO.
30-015-41058

2. Well Name:
CERF 10 FEDERAL #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:A Section:9 Township:21S Range:27E
Feet from:1275 N/S Line:N
Feet from:300 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:A Section:9 Township:21S Range:27E
Feet from:1275 N/S Line:N
Feet from:300 E/W Line:E

6. latitude: 32.4984140235537 longitude: -104.187264164513

7. County:
Eddy

8. Operator Name and Address:
DEVON ENERGY PRODUCTION COMPANY, LP
333 W. Sheridan Avenue
Oklahoma City 73102

9. OGRID: 6137

10. Phone Number: 405-228-8588

11. Last Fracture Date: 9/12/2013 Frac Performed by: BHI

12. Production Type:
O

13. Pool Code(s):
3713

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
6,534 ft

16. Total Volume of Fluid Pumped:
3,054,030 gals

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)
Water	Operator	Carrier	Water	7732-18-5	100%	92.09491%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.17307%
			Water	7732-18-5	85%	0.98074%
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.01543%
			Methanol	67-56-1	50%	0.01102%
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	75%	0.02057%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.01081%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.08271%
			Water	7732-18-5	30%	0.03308%
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60%	0.00036%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00053%
			Methanol	67-56-1	60%	0.00106%
			Olefin	Trade Secret	5%	9E-05%
			Polyoxyalkylenes	Trade Secret	30%	0.00053%
			Propargyl Alcohol	107-19-7	10%	0.00018%
			Thiourea Polymer	68527-49-1	30%	0.00053%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Oxyalkylated Alcohol	Trade Secret	5%	0.00512%
			Petroleum Distillates	64742-47-8	30%	0.03071%
			Polyacrylate	Trade Secret	60%	0.06143%
			Sodium Chloride	7647-14-5	3%	0.00307%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00052%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00022%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00329%
			Ammonium Hydroxide	1336-21-6	5%	0.00016%
			Cupric Chloride	7447-39-4	5%	0.00016%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.04209%
			Propylene Glycol	57-55-6	30%	0.02526%
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	4.57858%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.21317%
SB Excel 20/40	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	1.3947%
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.0325%
			Isopropanol	67-63-0	30%	0.01625%
Ingredients shown above are subject to 29 CFR 1910			Citrus Terpenes	94266-47-4	0%	0.0325031%
			Fatty Acid Esters	67701-32-0	0%	1.98E-05%
			Fatty Acid Oxyalkylate	70142-34-6	0%	2.1E-06%
			Formaldehyde	50-00-0	0%	9E-07%
			Glutaraldehyde	111-30-8	0%	0.0082292%
			Methanol	67-56-1	0%	6.86E-05%
			Oleate Ester	1338-43-8	0%	0.0030714%
			Organic Polyol	112-27-6	0%	0.0054172%
			Oxyalkylated Alkylphenol	9016-45-9	0%	1.88E-05%
			Polysorbate	9005-65-6	0%	0.0030714%
			Sodium Chloride	7647-14-5	0%	0.0081346%
			Surfactants	Trade Secret	0%	0.0379202%
			Water	7732-18-5	0%	0.0686436%
			Xylene	1330-20-7	0%	6.3E-06%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	5.2E-06%

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: Derek Berg Title: Engineering Technician

Date: 10/14/2013

E-mail Address: derek.berg@dvn.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.