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.
30-025-40640

2. Well Name:
BUTTER CUP 36 STATE COM #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:35 Township:18S Range:34E
Feet from:500 N/S Line:S
Feet from:200 E/W Line:E

5. Bottom Hole Location:
Unit:P Lot:P Section:35 Township:18S Range:34E
Feet from:500 N/S Line:S
Feet from:200 E/W Line:E

6. latitude: 32.6984157098356 longitude: -103.52311394274

7. County:
Lea

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: 2/20/2013 Frac Performed by: HES

12. Production Type:
O

13. Pool Code(s):
960

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
10,587 ft

16. Total Volume of Fluid Pumped:
1,894,658 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)
Fresh Water	Operator				100%	80.77077%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.33154%
HYDROCHLORIC ACID 5-10%	Halliburton		Hydrochloric acid	7647-01-0	10%	0.53792%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	6.84204%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	5.38279%
			Hexamethylenetetramine	100-97-0	2%	0.10766%
			Phenol / formaldehyde resin	9003-35-4	5%	0.26914%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00403%
LoSurf-360 W	Halliburton	Surfactant			1%	0.11721%
			Poly(oxy-1, 2-ethanediyl), alpha-isodecyl-omega-hydroxy	61827-42-7	30%	0.35163%
			Glycerine	56-81-5	10%	0.01172%
			Complex Alkylamine	Business Confidential	5%	6E-05%
			Ammonium acetate	631-61-8	100%	0.00682%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.0286%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00832%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00244%
			Potassium metaborate	13709-94-9	60%	0.0293%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.0095%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.0095%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.2325%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00309%
			Crystalline silica, quartz	14808-60-7	30%	0.00093%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00166%
Ingredients Listed Below This Line Are Part of the			Acrylate Polymer	Proprietary	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Amine Salts	75-57-0	0%	0%
			Amine Salts	593-81-7	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	92908-33-3	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Mixture	0%	0%
			Polyacrylamide Copolymer	62649-23-4	0%	0%
			Quaternary Amine	34004-36-9	0%	0%
			Quaternary Amine	3327-22-8	0%	0%
			Quaternary Amine	75-50-3	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant Mixture	67254-71-1	0%	0%
			Surfactant Mixture	56449-46-8	0%	0%
			Tall oil acid diethanolamide	68155-20-4	0%	0%
			Water	7732-18-5	0%	0%

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: 10/15/2013

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.