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. 30-025-40422
2. Well Name: TIN CUP 36 STATE COM #002H
3. Well Number: 002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:36 Township:18S Range:34E
Feet from:2130 N/S Line:N
Feet from:990 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:36 Township:18S Range:34E
Feet from:2130 N/S Line:N
Feet from:990 E/W Line:W

6. latitude: 32.7056989130573 longitude: -103.519236496322

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: 6/8/2012 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 960

14. Gross Fractured Interval: Confidential

15. True Vertical Depth (TVD): 15,635 ft

16. Total Volume of Fluid Pumped: 1,564,123 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	Water	7732-18-5	100%	85.27789%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	7.47754%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	4.96236%
			Phenol / formaldehyde resin	9003-35-4	5%	0.24812%
			Hexamethylenetetramine	100-97-0	2%	0.09925%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.48187%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.2333%
LoSurf-300D	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.0794%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0397%
			Naphthalene	91-20-3	5%	0.00662%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl) -omega-hydroxy-, branched	127087-87-0	5%	0.00662%
			1,2,4 Trimethylbenzene	95-63-6	1%	0.00132%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.03811%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential	60%	0.03126%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium metaborate	13709-94-9	60%	0.02067%
			Potassium hydroxide	1310-58-3	5%	0.00172%
Clayfix 3	Halliburton	Additive	Sodium chloride	7647-14-5	30%	0.02231%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.01033%
			Ethoxylated nonylphenol	Confidential	60%	0.01033%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00883%
			Crystalline silica, quartz	14808-60-7	30%	0.00265%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00455%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00441%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00065%
Ingredients shown above are subject to 29 CFR 1910			Water	7732-18-5	0%	1.80472%
			Oxyalkylated phenolic resin	Confidential	0%	0.0397%
			Borate salts	Confidential	0%	0.03811%
			Oxyalkylated phenolic resin	Confidential	0%	0.01323%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0.01167%
			Polyacrylamide copolymer	Confidential	0%	0.00455%
			Sodium chloride	7647-14-5	0%	0.004%
			Inorganic salt	Confidential	0%	0.00372%
			Magnesium chloride hexahydrate	7791-18-6	0%	0.00372%
			Cured acrylic resin	Confidential	0%	0.00265%
			Quaternary amine	Confidential	0%	0.0026%
			Silica gel	112926-00-8	0%	0.00233%
			Surfactant mixture	Confidential	0%	0.00233%
			Surfactant mixture	Confidential	0%	0.00233%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0.00076%
			Ammonium chloride	12125-02-9	0%	0.00076%
			Fatty acid tall oil amide	Confidential	0%	0.00076%
			Calcium chloride	10043-52-4	0%	0.00074%
			Acrylate polymer	Confidential	0%	0.00064%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0.00064%
			Sodium glycollate	2836-32-0	0%	0.00064%
			Quaternary amine	Confidential	0%	0.00052%
			Crystalline silica, quartz	14808-60-7	0%	0.0003%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0.00015%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0.00015%
			Amine salts	Confidential	0%	5E-05%
			Amine salts	Confidential	0%	5E-05%
			Quaternary amine	Confidential	0%	5E-05%
			Sodium sulfate	7757-82-6	0%	0%

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: Sara Cook Title: Regulatory Associate

Date: 3/4/2015

E-mail Address: sara.cook@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.