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. 30-025-41171

2. Well Name: COTTON DRAW 32 STATE FEDERAL COM #003H

3. Well Number: 003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit: K Lot: K Section: 32 Township: 24S Range: 32E
Feet from: 2310 N/S Line: S
Feet from: 1980 E/W Line: W

5. Bottom Hole Location:
Unit: K Lot: K Section: 32 Township: 24S Range: 32E
Feet from: 2310 N/S Line: S
Feet from: 1980 E/W Line: W

6. latitude: 32.1729465304022 longitude: -103.698800600923

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: 10/9/2014 Frac Performed by: Schlumberger

12. Production Type: O

13. Pool Code(s): 49490

14. Gross Fractured Interval: Confidential

15. True Vertical Depth (TVD): 15,451 ft

16. Total Volume of Fluid Pumped: 8,893,855 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)
15% HCl, YF125, Slickwater	Schlumberger	MSDS and Non-MSDS Ingredients Listed Below	Water (Including Mix Water Supplied by Client)*	7732-18-5	100%	99.8023%
			Guar gum	9000-30-0	34.60085%	0.0684%
			Ethylene Glycol	107-21-1	10.2314%	0.02023%
			Propan-2-ol	67-63-0	9.44959%	0.01868%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	6.45381%	0.01276%
			Diammonium peroxidisulphate	7727-54-0	6.14281%	0.01214%
			Ammonium sulfate	7783-20-2	6.09974%	0.01206%
			Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5	5.12853%	0.01014%
			Polyethylene glycol monohexyl ether	31726-34-8	2.86076%	0.00566%
			Sodium sulfate	7757-82-6	2.63641%	0.00521%
			Sodium hydroxide	1310-73-2	2.56847%	0.00508%
			Gum, xanthan	11138-66-2	1.46138%	0.00289%
			1, 2, 3 - Propanetriol	56-81-5	1.25741%	0.00249%
			Sodium tetraborate	1330-43-4	0.93547%	0.00185%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.69152%	0.00137%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.63186%	0.00125%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.60185%	0.00119%
			Crosslinked PO/EO-block polymer	68123-18-2	0.50499%	0.001%
			Urea	57-13-6	0.42493%	0.00084%
			Methyl oxirane polymer with oxirane	9003-11-6	0.24974%	0.00049%
			Non-crystalline silica (impurity)	7631-86-9	0.14832%	0.00029%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.12625%	0.00025%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.12598%	0.00025%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.1192%	0.00024%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.03508%	7E-05%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.02927%	6E-05%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.01968%	4E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.01838%	4E-05%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.01336%	3E-05%
			Cinnamaldehyde	104-55-2	0.01285%	3E-05%
			poly(tetrafluoroethylene)	9002-84-0	0.00783%	2E-05%
			Ethanol	64-17-5	0.00758%	1E-05%
			Dimethyl siloxanes and silicones	63148-62-9	0.00605%	1E-05%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00375%	1E-05%
			Potassium oleate	143-18-0	0.00167%	1E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.00158%	1E-05%
			Oleic acid	112-80-1	0.00134%	1E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	0.00113%	1E-05%
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	0.00085%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2	0.00063%	1E-05%
			Decamethyl cyclopentasiloxane	541-02-6	0.00042%	1E-05%
			Dodecamethylcyclohexasiloxane	540-97-6	0.00025%	1E-05%
			Acetic acid, potassium salt	127-08-2	0.00019%	1E-05%
			Acetic acid	64-19-7	3E-05%	1E-05%
			Propylene oxide	75-56-9	1E-05%	1E-05%
			Oxirane	75-21-8	1E-05%	1E-05%
			1,4-Dioxane	123-91-1	1E-05%	1E-05%

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: 12/12/2014

E-mail Address: sara.cook@dvn.com

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