

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 8, 2013

1. WELL API NO:
30-015-43269

2. Well Name:
COTTON DRAW UNIT #238H

3. Well Number:
238H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:13 Township:25S Range:31E
Feet from:200 N/S Line:N
Feet from:610 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:13 Township:25S Range:31E
Feet from:200 N/S Line:N
Feet from:610 E/W Line:W

6. latitude: 32.1375499 longitude: -103.7401065

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: 4/29/2016 Frac Performed by: Schlumberger

12. Production Type:
O

13. Pool Code(s):
96641

14. Gross Fractured Interval:
10,708 ft to 15,035 ft

15. True Vertical Depth (TVD):
10,531 ft

16. Total Volume of Fluid Pumped:
3,637,788 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)			
Water	Schlumberger	Acid Corrosion Inhibitor, Water Gelling Agent, AntiFoam Agent, Surfactant, Acid, Breaker, Friction R	Water (Including Mix Water Supplied by Client)*	7732-18-5		84.62949%			
			Aliphatic alcohol	Proprietary	2E-05%	1E-05%			
			Brominated Diol	Proprietary	1E-05%	1E-05%			
			Dodecyl phosphate potassium salt	Proprietary	0.00034%	5E-05%			
			Polyethylene-polypropylene glycol methyl ether oleate	Proprietary	0.00051%	8E-05%			
			Synthetic organic polymer	Proprietary	0.62433%	0.09596%			
			Urea	57-13-6	0.0016%	0.00025%			
			Tetrasodium ethylenediaminetetraacetate	GeOeral	4E-05%	1E-05%			
			Acetic acid	64-19-7	0.09251%	0.01422%			
			Propan-2-ol	67-63-0	0.01847%	0.00284%			
			2-Propanamid (impurity)	GeOeral	8E-05%	1E-05%			
			Cinnamaldehyde	104-55-2	6E-05%	1E-05%			
			Glutaraldehyde	111-30-8	0.10988%	0.01689%			
			Dodecamethylcyclohexasiloxane	540-97-6	1E-05%	1E-05%			
			Decamethyl cyclopentasiloxane	GeOeral	1E-05%	1E-05%			
			Octamethylcyclotetrasiloxane	556-67-2	1E-05%	1E-05%			
			Decyl-dimethyl amine oxide	2805-79-0	0.00149%	0.00023%			
			Sodium erythorbate	6381-77-7	0.00074%	0.00011%			
			Silicon Dioxide	7631-96-9	0.00158%	0.00024%			
			Hydrochloric acid	7647-01-0	0.12157%	0.01869%			
			Phosphoric acid	7664-38-2	1E-05%	1E-05%			
			Diammonium peroxidisulphate	7727-54-0	0.03667%	0.00564%			
			Sodium sulfate	7757-82-6	0.00037%	6E-05%			
			Copper(II) sulfate	7758-98-7	1E-05%	1E-05%			
			Ammonium sulfate	7783-20-2	0.03298%	0.00507%			
			Guar gum	9000-30-0	0.4587%	0.0705%			
			poly(tetrafluoroethylene)	9002-84-0	8E-05%	1E-05%			
			Dodecyl poly(oxyethylene) ether	9002-92-0	1E-05%	1E-05%			
			1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and a-hydro-w-hydroxypoly(oxy-1,2-ethanediyl)	9016-88-0	0.00048%	7E-05%			
			C13 alcohol ethoxylate	9043-30-5	1E-05%	1E-05%			
			Magnesium silicate hydrate (talc)	14807-96-6	0.00025%	4E-05%			
			Quartz, Crystalline silica	14808-60-7	98.40935%	15.12602%			
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00618%	0.00095%			
			Polypropylene glycol	25322-69-4	0.00078%	0.00012%			
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	9E-05%	1E-05%			
			2-Ethylhexanol ethoxylate	26468-86-0	0.04608%	0.00708%			
			Glycols, polyethylene, monotehtradecyl ether	27306-79-2	1E-05%	1E-05%			
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.02434%	0.00374%			
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00181%	0.00028%			
			Amines, tallow alkyl, ethoxylated	61791-26-2	2E-05%	1E-05%			
			Dimethyl siloxanes and silicones	63148-62-9	0.00435%	0.00067%			
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	1E-05%			
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00017%	3E-05%			
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00014%	2E-05%			
			Silica, amorphous, fumed, crystal free	112945-52-5	0.00131%	0.0002%			
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00261%	0.0004%			
			† Proprietary Technology					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: Linda Good

Date: 10/14/2016

E-mail Address: linda.good@dvn.com

Regulatory Compliance
Title: Professional

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