

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:
30-015-42331

2. Well Name:
COTTON DRAW UNIT #244H

3. Well Number:
244H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:36 Township:24S Range:31E
Feet from:200 N/S Line:N
Feet from:500 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:36 Township:24S Range:31E
Feet from:200 N/S Line:N
Feet from:500 E/W Line:W

6. latitude: 32.1804844590837 longitude: -103.738437204296

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: 12/3/2014 Frac Performed by: FTSI

12. Production Type:
O

13. Pool Code(s):
96641

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
10,768 ft

16. Total Volume of Fluid Pumped:
5,727,792 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	Operator	Base Fluid	Water	7732-18-5		100%	86.99341%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0		37%	0.30046%
			Water	7732-18-5		63%	0.5116%
APB-1	FTSI	Gel breaker	Ammonium Persulfate	7727-54-0		100%	0.00288%
B-10	FTSI	High pH buffer	Potassium carbonate	584-08-7		48%	0.01074%
			Potassium hydroxide	1310-58-3		20%	0.00448%
BXL-2	FTSI	Borate crosslinker	Water	7732-18-5		55%	0.01231%
			Sodium metaborate	10555-76-7		25%	0.00701%
			Boric acid	10043-35-3		15%	0.00421%
			Potassium hydroxide	1310-58-3		12%	0.00337%
BXL-3	FTSI	Crosslinker	Water	7732-18-5		75%	0.02104%
			Crystalline Silica, Quartz	14808-60-7		0.1%	1E-05%
			Borate Salt	1319-33-1		40%	0.00586%
			Potassium Formate	590-29-4		30%	0.0044%
			Hydrated aluminium-magnesium silicate (polygorskite)	12174-11-7		5%	0.00073%
			Sodium Sulfate	7757-82-6		0.1%	1E-05%
CI-150	FTSI	Acid Corrosion Inhibitor	Sodium Chloride	7647-14-5		0.1%	1E-05%
			Water	7732-18-5		60%	0.00879%
			Isopropanol	67-63-0		30%	0.00065%
			Dimethylformamide	68-12-2		10%	0.00022%
			Organic amine resin salt	Proprietary		30%	0.00065%
			Quaternary ammonium compound	Proprietary		10%	0.00022%
			Aromatic aldehyde	Proprietary		10%	0.00022%
			Ethylene Glycol	107-21-1		30%	0.00065%
			Water	7732-18-5		5%	0.00011%
			Fatty Acid	Proprietary		0.1%	0%
			Fatty Acid Salt	Proprietary		0.1%	0%
			Aliphatic alcohol	Proprietary		0.1%	0%
			Alkylene Oxide Block Polymer	Proprietary		10%	0.00022%
			Diethylene glycol	111-46-6		1%	2E-05%
			Sodium chlorite	7758-19-2		5%	0.00107%
CS POLYBREAK 210	FTSI	Polymer breaker	Water	7732-18-5		95%	0.02025%
			Sodium Hydroxide	1310-73-2		0.0007%	0%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	64-02-8		41%	0.00078%
			Sodium Hydroxide	1310-73-2		2%	4E-05%
			Trisodium Nitriiotriacetic acid	5064-31-3		2%	4E-05%
			Ethylenediaminetriaceticacid, trisodium salt	128850-89-5		0.8%	2E-05%
			Water	7732-18-5		60%	0.00113%
			Sodium formate	141-53-7		0.6%	1E-05%
			Sodium glycolate	2836-32-0		1.5%	3E-05%
			Iminodiacetate disodium salt	17593-73-6		0.2%	0%
			Ammonium Chloride	12125-02-9		5%	0.00308%
			Aliphatic hydrocarbon	Proprietary		30%	0.01849%
HVG-1	FTSI	Water Gelling Agent	Oxyalkylated alcohol	Proprietary		5%	0.00308%
			Guar Gum	9000-30-0		55%	0.07061%
			Petroleum Distillate	64742-47-8		55%	0.07061%
			Raffinates (Petroleum), Sorption Process	64741-85-1		50%	0.06419%
			Clay	14808-60-7		2%	0.00257%
			Clay	1302-78-9		5%	0.00642%
			Surfactant	24939-91-8		1%	0.00128%
			Surfactant	154518-36-2		1%	0.00128%
			Surfactant	9043-30-5		1%	0.00128%
			Water	7732-18-5		30%	0.00424%
KCLS-4	FTSI	Clay Control	Choline Chloride	67-48-1		75%	0.0106%
			Ammonium Persulfate	7727-54-0		100%	0.00288%
LTB-1	FTSI	Breaker	Cured acrylic resin	Proprietary		100%	0.00288%
			Silica, Crystalline- Quartz	14808-60-7		10%	0.00029%
NE-100	FTSI	Non-emulsifier	2-Butoxyethanol	111-76-2		10%	0.00845%
			2-Propanol	67-63-0		10%	0.00845%
			Dodecylbenzenesulfonic acid	27176-87-0		5%	0.00422%
			Water	7732-18-5		90%	0.07604%
			Sulfuric Acid	7664-93-9		0.014%	1E-05%
			Sulfur Dioxide	7446-09-5		0.0014%	0%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3		0.042%	4E-05%
			Unsulphonated Matter	Proprietary		0.028%	2E-05%
			Silica, Quartz	14808-60-7		100%	2.38997%
			Silica, Quartz	14808-60-7		100%	6.33133%
100 Mesh Sand	FTSI	Proppant	Aluminum Silicate (Mullite)	1302-76-7		35%	1.08093%
40/70 White	FTSI	Proppant	Alumnum Oxide (Corundum)	1302-74-5		85%	2.62511%
Ultraprop	FTSI	Proppant					

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

Date: 1/5/2015 Title: Regulatory Associate

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

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