

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:
30-025-42589

2. Well Name:
COTTON DRAW UNIT #250H

3. Well Number:
250H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:1 Section:7 Township:25S Range:32E
Feet from:100 N/S Line:N
Feet from:460 E/W Line:W
5. Bottom Hole Location:
Unit:D Lot:1 Section:7 Township:25S Range:32E
Feet from:100 N/S Line:N
Feet from:460 E/W Line:W
6. latitude: longitude:
32.1517487005052 -103.721535408385

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:
405-228-8589

11. Last Fracture Date: 9/10/2016 Frac Performed by: FTSI

12. Production Type:
O

13. Pool Code(s):
49490

14. Gross Fractured Interval:
8,346 ft to 12,612 ft

15. True Vertical Depth (TVD):
8,191 ft

16. Total Volume of Fluid Pumped:
26,951,587 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	Carrier	Water	7732-18-5		100%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0		37%
			Water	7732-18-5		63%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0		30%
			Dimethylformamide	68-12-2		10%
			Organic amine resin salt	Proprietary		30%
			Quaternary ammonium compound	Proprietary		10%
			Aromatic aldehyde	Proprietary		30%
			Ethylene Glycol	107-21-1		30%
			Methanol	67-56-1		60%
			Aromatic Ketone compound	Proprietary		30%
			Aromatic Aldehyde	Proprietary		10%
			Ethoxylated Alcohols	Proprietary		10%
			Oxyalkylated Alcohol	Proprietary		5%
			Acetic Acid	64-19-7		5%
			Acetophenone	98-86-2		5%
			Oxyalkylated Fatty Amine	Proprietary		5%
			Formaldehyde	50-00-0		5%
			Water	7732-18-5		10%
			Fatty Acid	Proprietary		0.1%
			Fatty Acid Salt	Proprietary		0.1%
			Aliphatic alcohol	Proprietary		0.1%
			Alkylene Oxide Block Polymer	Proprietary		10%
			Polyalkylene glycol	Proprietary		10%
			Diethylene glycol	111-46-6		1%
NE-100	FTSI	Non-emulsifier	2-Butoxyethanol	111-76-2		10%
			2-Propanol	67-63-0		10%
			Dodecylbenzenesulfonic acid	27176-87-0		5%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	7732-18-5		90%
			Sodium Hydroxide	64-02-6		41%
			Trisodium Nitrotriacetic acid	1310-73-2		2%
			Ethylenediaminetriacetic acid, trisodium salt	5064-31-3		2%
			Water	7732-18-5		65%
			Sodium formate	141-53-7		0.6%
			Sodium glycolate	2836-32-0		1.5%
			Iminodiacetate disodium salt	17593-73-6		0.2%
FRW-920	FTSI	Friction Reducer - Zwitter ionic	Copolymer of 2-Propenamide	69418-26-4		30%
			Hydroreated Petroleum	64742-47-8		25%
			Distillate	Trade Secret		
			Alcohol Ethoxylate Surfactants	93-84-4		2%
			Oleic Acid Diethanolamide	1302-78-9		2%
			Water	7732-18-5		50%
			Ammonium Chloride	12125-02-9		1%
CS POLYBREAK 210	FTSI	Polymer breaker	Sodium chloride	7758-19-2		12%
			Water	7732-18-5		95%
			Sodium Hydroxide	1310-73-2		0%
			Chlorine Dioxide	10049-04-4		0%
HVG-14.0	FTSI	Water gelling agent	Guar gum	9000-30-0		55%
			Raffinates, Sorption Process	64741-85-1		55%
			Quartz	14808-60-7		4%
			Isotridecanol, ethoxylated	9043-30-5		2%
			Petroleum Distillate	64742-47-8		55%
			Suspending Agent	1302-78-9		5%
APB-1	FTSI	Gel breaker	Ammonium Persulfate	7727-54-0		100%
BXL-5	FTSI	Instant Borate Crosslinker	Potassium Metaborate	16481-66-6		20%
			Potassium Hydroxide	1310-58-3		60%
			Water	7732-18-5		30%
ICI-3240	FTSI	Biocide	Oxomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione, Sodium Hydroxide	533-74-4		24%
			Water	7732-18-5		23%
			Ammonium Persulfate	7727-54-0		55%
			Cured acrylic resin	25085-19-2		84%
			Talc	14807-96-6		0.6%
FRW-200	FTSI	Friction reducer	Petroleum distillate hydrotreated light	64742-47-8		30%
			Oleic Acid Diethanolamide	93-83-4		1.5%
			Acrylamide P/W acrylic acid, ammonium salt	26100-47-0		25%
			Water	7732-18-5		60%
			Sorbitan Monooleate	1338-43-8		3%
			Alcohols (C12-C14), ethoxylated	68439-50-9		4%
			Alcohols (C12-C16), ethoxylated	68551-12-2		
			Alcohols (C10-C16), ethoxylated	68002-97-1		4%
			Acrylamide	79-06-1		0.1%
			Dewaxed heavy paraffinic	64742-65-0		1.5%
			Ammonium Acrylate	10604-69-0		0.5%
			Ammonium Chloride	12125-02-9		12%
			Polyethylene glycol monooleate	9004-96-0		3%
			Alkyl(oxy)polyethyleneoxyethanol	84133-50-6		1%
			Sorbitol Tetraoleate	61723-83-9		2%
			Copolymer of acrylamide and sodium acrylate	25967-30-8		33%
			Surfactant	Proprietary		7%
			Hydrotreated heavy paraffinic	64742-54-7		5%
			Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl)	9005-67-8		5%
			Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl) derivs			
KCLS-4	FTSI	Clay Control	Isopropanol	67-63-0		0.3%
			No hazardous materials	Not applicable.		0%
			Water	7732-18-5		30%
30/50 White	FTSI	proppant	Choline Chloride	67-49-1		75%
20/40 White	FTSI	proppant	Silica, Quartz	14808-60-7		100%
			Silica, Quartz	14808-60-7		100%

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

Regulatory Compliance

Date: 10/14/2016 Title: Professional

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

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