

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 APT NO:
30-015-43738

2. Well Name:
COTTON DRAW UNIT #179H

3. Well Number:
179H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:B Lot:B Section:13 Township:25S Range:31E
Feet from:330 N/S Line:N
Feet from:1980 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:13 Township:25S Range:31E
Feet from:330 N/S Line:N
Feet from:1980 E/W Line:E

6. latitude: 32.13667315 longitude: -103.72940204

Eddy

9. Operator Name and Address:
DEVON ENERGY PRODUCTION COMPANY, LP
333 W. Sheridan Avenue
Oklahoma City 73102

9. OGRID: 6137

10. Phone Number: 405-552-6559

11. Last Fracture Date: 1/28/2017 Frac Performed by: FTSI

12. Production Type:
O

13. Pool Code(s):
96757

14. Gross Fractured Interval:
8,379 ft to 12,799 ft

15. True Vertical Depth (TVD):
8,253 ft

16. Total Volume of Fluid Pumped:
24,520,618 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%	80.9109274%
15.1%-20% HCL	FTSI	Acid	Hydrogen Chloride	7647-01-0	20%	0.0084079%
			Water	7732-18-5	80%	0.0336317%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	60%	4.01E-05%
			Dimethylformamide	68-12-2	10%	6.7E-06%
			Organic amine resin salt	Proprietary	30%	2.01E-05%
			Quaternary ammonium compound	Proprietary	10%	6.7E-06%
			Aromatic aldehyde	Proprietary	30%	2.01E-05%
			Ethylene Glycol	107-21-1	30%	2.01E-05%
			Methanol	67-56-1	60%	4.01E-05%
			Aromatic Ketone compound	Proprietary	30%	2.01E-05%
			Aromatic Aldehyde	Proprietary	10%	6.7E-06%
			Ethoxylated Alcohols	Proprietary	10%	6.7E-06%
			Oxyalkylated Alcohol	Proprietary	5%	3.3E-06%
			Acetic Acid	64-19-7	5%	3.3E-06%
			Acetophenone	98-88-2	5%	3.3E-06%
			Oxyalkylated Fatty Amine	Proprietary	5%	3.3E-06%
			Formaldehyde	50-00-0	5%	3.3E-06%
			Fatty amino compound salt	Proprietary	30%	2.01E-05%
			Ethoxylated fatty alcohol	Proprietary	30%	2.01E-05%
			Water	7732-18-5	30%	2.01E-05%
			Fatty Acid	Proprietary	0.1%	1E-07%
			Fatty Acid Salt	Proprietary	0.1%	1E-07%
			Aliphatic alcohol	Proprietary	0.1%	1E-07%
			Alkyene Oxide Block Polymer	Proprietary	10%	6.7E-06%
			Polyalkylene glycol	Proprietary	10%	6.7E-06%
CS POLYBREAK 210W	FTSI	Polymer breaker	Diethylene glycol	111-46-6	1%	7E-07%
			Sodium chloride	7647-14-5	20%	0.0033443%
			Sodium chlorite	7758-19-2	5%	0.0008361%
			Water	7732-18-5	90%	0.0150495%
			Stabilized Aqueous Chlorine Dioxide	10049-04-4	5%	0.0008361%
FE-200L	FTSI	Iron Control	Sodium Hydroxide	1310-73-2	0.5%	8.36E-05%
			Tetrasodium EDTA	64-02-8	41%	3.62E-05%
			Sodium Hydroxide	1310-73-2	2%	1.8E-06%
			Trisodium Nitrotriacetic acid	5064-91-3	2%	1.8E-06%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.8%	7E-07%
			Water	7732-18-5	65%	5.74E-05%
			Sodium formate	141-53-7	0.6%	5E-07%
			Sodium glycolate	2836-32-0	1.5%	1.3E-06%
			Iminodiacetate disodium salt	17593-73-6	0.2%	2E-07%
FRW-920	FTSI	Friction Reducer - Zwitter ionic	Copolymer of 2-Propenamide	69418-26-4	30%	0.0052912%
			Hydrotreated Petroleum Distillate	64742-47-8	25%	0.0044094%
			Alcohol Ethoxylate Surfactants	Trade Secret	2%	0.0003527%
			Oleic Acid Diethanolamide	93-83-4	2%	0.0003527%
			Water	7732-18-5	50%	0.0088187%
			Ammonium Chloride	12125-02-9	1%	0.0001764%
NE-100W	FTSI	Non-emulsifier	Methanol	67-56-1	15%	0.0120192%
			2-Butoxyethanol	111-76-2	10%	0.0080128%
			2-Propanol	67-63-0	10%	0.0080128%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0040064%
			Water	7732-18-5	80%	0.0641022%
AQUICAR 714	FTSI	Biocide	Glutaraldehyde	111-30-8	14%	0.0029219%
			Quaternary ammonium compounds, benzyl-C12-C18-alkyldimethyl, chlorides	68424-85-1	2.5%	0.0005218%
			Ethanol	64-17-5	0.3%	6.26E-05%
APB-1	FTSI	Gel breaker	Water	7732-18-5	83%	0.0173226%
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100%	0.0007667%
			Ammonium Persulfate	7727-54-0	84%	0.0027303%
			Cured acrylic resin	25085-19-2	22%	0.0007151%
			Talc	14807-96-6	0.6%	1.95E-05%
B-5	FTSI	Low pH buffer	Acetic acid	64-19-7	80%	0.0141727%
			Water	7732-18-5	35%	0.0062006%
BXL-5	FTSI	Instant Borate Crosslinker	Potassium Metaborate	16481-66-6	20%	0.0213328%
			Potassium Hydroxide	1310-58-3	60%	0.0639994%
			Water	7732-18-5	30%	0.0319992%
CS-250 SI	FTSI	Scale Inhibitor	Ethylene glycol	107-21-1	13%	0.0085235%
			Water	7732-18-5	81%	0.0537308%
			Sodium chloride	7647-14-5	10%	0.0068334%
			Sodium Polyacrylate	9003-04-7	10%	0.0068334%
HVG-1 4.0	FTSI	Water gelling agent	Guar gum	9000-30-0	55%	0.0841854%
			Raffinates, Sorption Process	64741-85-1	55%	0.0841854%
			Quartz	14808-60-7	4%	0.0061226%
			Isotridecanol, ethoxylated	9043-30-5	2%	0.0030613%
			Petroleum Distillate	64742-47-8	55%	0.0841854%
			Suspending Agent	1302-78-9	5%	0.0076532%
30/50 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	6.1727646%
20/40 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	12.3909603%

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 Title: Professional

Date: 2/2/2017

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

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