

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:
30-025-42769

2. Well Name:
REBEL 20 FEDERAL #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒Original
☐Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:20 Township:24S Range:32E
Feet from:314 Feet from:472 N/S Line:N
EW Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:20 Township:24S Range:32E
Feet from:314 Feet from:472 N/S Line:N
EW Line:W

6. Latitude:
32 2093179 Longitude:
-103.7037596

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:
405-228-6588

11. Last Fracture Date:
7/25/2016 Frac Performed by:
FTSI

12. Production Type:
O

13. Pool Code(s):
96556

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
10,740 ft

16. Total Volume of Fluid Pumped:
50,336,058 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%	86.1809169%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0	37%	0.0113834%
			Water	7732-18-5	63%	0.0183828%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	60%	7.82E-05%
			Dimethylformamide	68-12-2	10%	1.3E-05%
			Organic amine resin salt	Proprietary	30%	3.91E-05%
			Quaternary ammonium compound	Proprietary	10%	1.3E-05%
			Aromatic aldehyde	Proprietary	30%	3.91E-05%
			Ethylene Glycol	107-21-1	30%	3.91E-05%
			Methanol	67-56-1	60%	7.82E-05%
			Aromatic Ketone compound	Proprietary	30%	3.91E-05%
			Aromatic Aldehyde	Proprietary	10%	1.3E-05%
			Ethoxylated Alcohols	Proprietary	10%	1.3E-05%
			Oxyalkylated Alcohol	Proprietary	5%	6.5E-06%
			Acetic Acid	64-19-7	5%	6.5E-06%
			Acetophenone	98-66-2	5%	6.5E-06%
			Oxyalkylated Fatty Amine	Proprietary	5%	6.5E-06%
			Formaldehyde	50-00-0	5%	6.5E-06%
			Fatty amino compound salt	Proprietary	30%	3.91E-05%
			Ethoxylated fatty alcohol	Proprietary	30%	3.91E-05%
			Water	7732-18-5	30%	3.91E-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%	1.3E-05%
			Polyalkylene glycol	Proprietary	10%	1.3E-05%
			Diethylene glycol	111-46-6	1%	1.3E-06%
CS POLYBREAK 210W	FTSI	Polymer breaker	Sodium chloride	7647-14-5	20%	0.0076574%
			Sodium chloride	7758-19-2	5%	0.0019143%
			Water	7732-18-5	90%	0.0344582%
			Stabilized Aqueous Chlorine Dioxide	10049-04-4	5%	0.0019143%
			Sodium Hydroxide	1310-73-2	0.5%	0.0001914%
			Tetrasodium EDTA	64-02-9	41%	7.05E-06%
			Sodium Hydroxide	1310-73-2	2%	3.4E-06%
			Trisodium Nitrotri-acetic acid	5064-31-3	2%	3.4E-06%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.8%	1.4E-06%
			Water	7732-18-5	65%	0.0001118%
			Sodium formate	141-53-7	0.6%	1E-06%
			Sodium glycolate	2836-32-0	1.5%	2.6E-06%
			Imidoacetate disodium salt	17593-73-6	0.2%	3E-07%
			Petroleum distillate hydrotreated light	64742-47-8	30%	0.0116958%
			Oleic Acid Diethanolamide	93-83-4	1.5%	0.0005848%
			Acrylamide P/W acrylic acid, ammonium salt	26100-47-0	25%	0.0097465%
			Water	7732-18-5	60%	0.0233916%
			Sorbitan Monooleate	1338-43-8	3%	0.0011696%
			Alcohols (C12-C14), ethoxylated	68439-50-9	4%	0.0015594%
			Alcohols (C12-C16), ethoxylated	68551-12-2	4%	0.0015594%
			Alcohols (C10-C16), ethoxylated	68002-97-1	4%	0.0015594%
			Acrylamide	79-06-1	0.1%	3.9E-05%
			Dewaxed heavy paraffinic	64742-65-0	1.5%	0.0005848%
			Ammonium Acrylate	10604-69-0	0.5%	0.0001949%
			Ammonium Chloride	12125-02-9	12%	0.0046783%
			Polyethylene glycol monooleate	9004-96-0	3%	0.0011696%
			Alkyloxypolyethylenoxyethanol	84133-50-6	1%	0.0003899%
			Sorbitol Tetraoleate	61723-83-9	2%	0.0007797%
			Copolymer of acrylamide and sodium acrylate	25987-30-8	33%	0.0128654%
			Surfactant	Proprietary	7%	0.002729%
			Hydrotreated heavy paraffinic	64742-54-7	5%	0.0019493%
			Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl)	9005-67-3	5%	0.0019493%
			Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.			
			Isopropanol	67-63-0	0.3%	0.000117%
ICI-3240	FTSI	Biocide	Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4	24%	0.0058955%
			Sodium Hydroxide	1310-73-2	23%	0.0056498%
			Water	7732-18-5	55%	0.0135105%
KCLS-4	FTSI	Clay Control	No hazardous materials	Not applicable.	0%	0%
			Water	7732-18-5	30%	0.0276243%
			Choline Chloride	67-48-1	75%	0.0690609%
NE-100	FTSI	Non-emulsifier	2-Butoxyethanol	111-76-2	10%	0.0084723%
			Z-Propanol	67-63-0	10%	0.0084723%
			Dodecyl/benzenesulfonic acid	27176-87-0	5%	0.0042363%
			Water	7732-18-5	90%	0.076251%
Pump Kleen	FTSI	Pump and hose flush	Raffinates (petroleum), sorption process	64741-85-1	100%	0.0017677%
			White mineral oil	8042-47-5	100%	0.0017677%
			Polybutene (Isobutylene/Butene copolymer)	9003-29-6	100%	0.0017677%
			Proprietary	Proprietary	0%	0%
30/50 White	FTSI	proppant	Silica, Quartz	14809-60-7	100%	13.5076052%

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
Date:
8/5/2016
E-mail Address:
linda.good@dmn.com

Printed Name:
Linda Good

Regulatory Compliance
Title:
Professional

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