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.
30-015-42224

2. Well Name:
DAISY DUKE 31 STATE COM #003H

3. Well Number:
003H

4. Surface Hole Location:
Unit:I Lot:I Section:31 Township:22S Range:26E
Feet from:1980 N/S Line:S
Feet from:175 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot:I Section:31 Township:22S Range:26E
Feet from:1980 N/S Line:S
Feet from:175 E/W Line:E

6. latitude: 32.3464166890797 longitude: -104.3243660317

7. County:
Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

☐ Original

☒ Amends disclosure submitted on 5/28/2015

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: 1/9/2015 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
98056

14. Gross Fractured Interval:
9,145 ft to 10,683 ft

15. True Vertical Depth (TVD):
6,342 ft

16. Total Volume of Fluid Pumped:
2,181,186 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%	90.2101019%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	2.187876%
AG-12, BF-9L, CI-27, Clay Master-5C, ClayCare, Enz	Baker Hughes	Gelling Agent, Buffer, Corrosion Inhibitor, Clay Control, Breaker, Iron Control, Breaker, Surface Te	Crystalline Silica (Quartz)	14808-60-7	100%	4.8156692%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	2.0501426%
			P/F Resin	9003-35-4	5%	0.1056775%
			Guar Gum	9000-30-0	100%	0.0582343%
			1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-, polymer with 2-propenamide, sodium salt	83446-68-8	60%	0.0446502%
			Choline Chloride	67-48-1	75%	0.0326314%
			Potassium Carbonate	584-08-7	60%	0.0297296%
			Isopropanol	67-63-0	30%	0.0269925%
			Polyethers	68815-65-6	30%	0.0269925%
			Hydrotreated Light Distillate	64742-47-8	30%	0.0227958%
			Potassium Hydroxide	1310-58-3	30%	0.0148648%
			Ulexite Mineral	1319-33-1	40%	0.0142826%
			Sodium Tetraborate	1303-96-4	30%	0.0138082%
			Organic Polyol	112-27-6	15%	0.0134963%
			Diatomaceous Earth, Calcined (kieselguhr)	91053-39-3	70%	0.0123264%
			Glycerin	8043-29-6	25%	0.0115068%
			Potassium Formate	590-29-4	30%	0.0107119%
			Methanol	67-56-1	60%	0.0095534%
			Nonionic Alkoxylate	70559-25-0	10%	0.0089975%
			Ammonium Persulphate	7727-54-0	100%	0.0079365%
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.0074334%
			2-Mercaptoethanol	60-24-2	100%	0.0066027%
			Orange Terpene	68647-72-3	5%	0.0044988%
			Sodium Chloride	7647-14-5	5%	0.0037666%
			Oxyalkylated alcohol	78330-21-9	5%	0.0037208%
			Polyoxyethylene sorbitan monooleate	9005-65-6	5%	0.0037208%
			Sorbitan, mono-(9Z)-9-octadecenoate	1338-43-8	5%	0.0037208%
			Surfactant	68131-39-5	1.5%	0.0031491%
			Acetic acid ethenyl ester, polymer with ethene	24937-78-8	15%	0.0026414%
			Mineral Oil	8042-47-5	15%	0.0026414%
			Diatomaceous Earth, Natural (kieselguhr)	61790-53-2	10%	0.0017609%
			Clay	12174-11-7	3%	0.0010712%
			Fatty Acids	61790-12-3	30%	0.00106%
			Polyoxyalkylenes	68951-67-7	30%	0.00106%
			Thiourea Polymer	68527-49-1	30%	0.00106%
			Acrylic Polymers	26006-22-4	60%	0.0009415%
			Oxyakylated Amine Quat	138879-94-4	60%	0.000732%
			Cellulose	9004-32-4	2%	0.0007141%
			Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.0005211%
			Nonionic glycol ester	68400-71-5	25%	0.0005177%
			Vinylidene Chloride-Methyl Acrylate Polymer	25038-72-6	25%	0.000434%
			Acrylamide-acrylic acid copolymer, sulfomethylated,	EPA Acct 108431	1%	0.0003571%
			Crystalline Silica Quartz	14808-60-7	1%	0.0003571%
			Sodium bisulfate	7681-38-1	1%	0.0003571%
			Sodium formaldehyde bisulfate	870-72-4	1%	0.0003571%
			Sodium glycolate	2836-32-0	1%	0.0003571%
			Propargyl Alcohol	107-19-7	10%	0.0003533%
			Ammonium Hydroxide	1336-21-6	5%	0.0003301%
			Cupric Chloride	7447-39-4	5%	0.0003301%
			Propylene Glycol	57-55-6	15%	0.0003106%
			Hexamethylenetetramine	100-97-0	0.01%	0.0002114%
			Olefin	64743-02-8	5%	0.0001767%
			Crystalline Silica (Cristobalite)	14464-46-1	1%	0.0001761%
			Oxyalkylated Alkylphenol	9016-45-9	5%	7.85E-05%
			Sodium octylimodlpropionate	94441-92-6	3%	6.21E-05%
			Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt	65143-89-7	2%	4.14E-05%
			Fatty Acid Esters	67701-32-0	1.9%	2.98E-05%
			Sodium lauriminodipropionate	14960-06-6	1%	2.07E-05%
			Hydrated Magnesium Silicate	14807-96-6	1%	1.74E-05%
			Xylene	1330-20-7	0.6%	9.4E-06%
			Poly (Tetrafluoroethylene)	9002-84-0	0.5%	8.7E-06%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0.5%	7.8E-06%
			Fatty Acid Oxyalkylate	70142-34-6	0.2%	3.1E-06%
			Formaldehyde	50-00-0	0.05%	1.8E-06%
			2-methyl-4-isothiazolin-3-one	2682-20-4	0%	4E-07%
			5-Chloro-2-methyl-3(2H)-Isothiazolone	26172-55-4	0%	4E-07%
			Magnesium chloride	7786-30-3	0%	4E-07%
			Magnesium nitrate	10377-60-3	0%	4E-07%

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 Title: Regulatory Associate
Date: 5/28/2015
E-mail Address: sara.cook@dvn.com

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