

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

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:N Lot:N Section:20 Township:23S Range:33E
Feet from:200 N/S Line:S
Feet from:1350 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:20 Township:23S Range:33E
Feet from:200 N/S Line:S
Feet from:1350 E/W Line:W

6. latitude: longitude:
32.2835426 -103.5985184

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: 405-228-8588

11. Last Fracture Date: 4/4/2015 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
14865

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
11,041 ft

16. Total Volume of Fluid Pumped:
6,875,568 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%	89.2325438%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.0833505%
Sand White-30/50, Sand White-100 mesh, Black Ultra	Baker Hughes	Proppant, Acidizing, Gelling Agent, Clay Control, Surface Tension Reducer, Crosslinker, Friction Red	Crystalline Silica (Quartz)	14808-60-7	100%	8.6696595%
			Crystalline Silica	14808-60-7	100%	1.0934456%
			Water	7732-18-5	99%	0.6192766%
			Guar Gum	9000-30-0	100%	0.0616845%
			Choline Chloride	67-48-1	75%	0.0461105%
			1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-, polymer with 2-propenamide, sodium salt	83446-68-8	60%	0.0190069%
			Potassium Carbonate	584-08-7	60%	0.0178341%
			Polyethers	68815-65-6	30%	0.0170481%
			Isopropanol	67-63-0	30%	0.0170481%
			Ulexite Mineral	1319-33-1	40%	0.0148071%
			Potassium Formate	590-29-4	30%	0.0111053%
			Furfuryl Alcohol	98-00-0	1%	0.0109345%
			Hydrotreated Light Distillate	64742-47-8	30%	0.0095034%
			Potassium Hydroxide	1310-58-3	30%	0.008917%
			Organic Polyol	112-27-6	15%	0.008524%
			Diatomaceous Earth, Calcined (kieselguhr)	91053-39-3	70%	0.0076271%
			Sodium Tetraborate	1303-96-4	30%	0.0064546%
			Ammonium Persulfate	7727-54-0	100%	0.0061095%
			Nonionic Alkoxylate	70559-25-0	10%	0.0056827%
			Glycerin	8043-29-6	25%	0.0053788%
			Glutaraldehyde	111-30-8	30%	0.0040748%
			Orange Terpene	68647-72-3	5%	0.0028413%
			Surfactant	68131-39-5	1.5%	0.0019889%
			Acetic acid ethenyl ester, polymer with ethene	24937-78-8	15%	0.0016344%
			Mineral Oil	8042-47-5	15%	0.0016344%
			Sodium Chloride	7647-14-5	5%	0.0015921%
			2-Mercaptoethanol	60-24-2	100%	0.0015861%
			Oxyalkylated alcohol	78330-21-9	5%	0.0015839%
			Sorbitan, mono-(9Z)-9-octadecenoate	1338-43-8	5%	0.0015839%
			Polyoxyethylene sorbitan monooleate	9005-65-6	5%	0.0015839%
			Clay	12174-11-7	3%	0.0011105%
			Diatomaceous Earth, Natural (kieselguhr)	61790-53-2	10%	0.0010896%
			Cellulose	9004-32-4	2%	0.0007404%
			Vinylidene Chloride-Methyl Acrylate Polymer	25038-72-6	25%	0.0006907%
			Methanol	67-56-1	60%	0.0006091%
			Sodium glycolate	2836-32-0	1%	0.0003702%
			Sodium formaldehyde bisulfate	870-72-4	1%	0.0003702%
			Crystalline Silica Quartz	14808-60-7	1%	0.0003702%
			Acrylamide-acrylic acid copolymer, sulfomethylated,	EPA Acct 108431	1%	0.0003702%
			Sodium bisulfate	7681-38-1	1%	0.0003702%
			Sodium chloride	7647-14-5	1%	0.0003702%
			Fatty Acids	61790-12-3	30%	0.0002876%
			Polyoxyalkylenes	68951-67-7	30%	0.0002876%
			Thiourea Polymer	68527-49-1	30%	0.0002876%
			Crystalline Silica (Cristobalite)	14464-46-1	1%	0.000109%
			Propargyl Alcohol	107-19-7	10%	9.59E-05%
			Cupric Chloride	7447-39-4	5%	7.93E-05%
			Ammonium Hydroxide	1336-21-6	5%	7.93E-05%
			Olefin	64743-02-8	5%	4.79E-05%
			Glycerol	56-81-5	0.5%	3.43E-05%
			Beta-Mannanases	37288-54-3	0.45%	3.09E-05%
			Hydrated Magnesium Silicate	14807-96-6	1%	2.76E-05%
			Poly (Tetrafluoroethylene)	9002-84-0	0.5%	1.38E-05%
			Formaldehyde	50-00-0	0.05%	5E-07%
			Magnesium nitrate	10377-60-3	0%	4E-07%
			5-Chloro-2-methyl-3 (2H)-Isothiazolone	26172-55-4	0%	4E-07%
			Magnesium chloride	7786-30-3	0%	4E-07%
			2-methyl-4-Isothiazolin-3-one	2682-20-4	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

Date: 7/24/2015

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

Title: Regulatory Associate

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.