

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:
30-015-42821

2. Well Name:
GRANDI 22 #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:22 Township:22S Range:27E
Feet from:1360 N/S Line:N
Feet from:255 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:22 Township:22S Range:27E
Feet from:1360 N/S Line:N
Feet from:255 E/W Line:W

6. Latitude:
32.3815758851889 Longitude:
-104.185465549635

7. County:
Eddy

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

9. OGRID:
6137

10. Phone Number:
405-228-9588

11. Last Fracture Date:
4/1/2015 Frac Performed by:
Schlumberger

12. Production Type:
O

13. Pool Code(s):
10380

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
7,416 ft

16. Total Volume of Fluid Pumped:
29,320,128 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)
HCL 15, Slickwater, YF120FlexD	Schlumberger	Acid Corrosion Inhibitor, Friction Reducer, Demulsifier, Surfactant , Acid, Breaker, Gelling Agent,	Water (Including Mix Water Supplied by Client)*	NA		78.55937%
			1, 2, 3 - Propanetriol	56-81-5	0.01011%	0.00217%
			Ethanol	64-17-5	6E-05%	1E-05%
			Acetic acid	64-19-7	0%	0%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.15333%	0.03287%
			Propan-2-ol	67-63-0	0.03308%	0.00706%
			Oxirane	75-21-8	0%	0%
			Propylene oxide	75-56-9	0%	0%
			2-Propenamid (impurity)	79-06-1	0.00014%	3E-05%
			Cinnamaldehyde	104-65-2	0.00033%	7E-05%
			Ethylene Glycol	107-21-1	0.1352%	0.02899%
			Fumaric acid	110-17-8	0.00614%	0.00132%
			Oleic acid	112-80-1	1E-05%	0%
			1,4-Dioxane	123-91-1	0%	0%
			Acetic acid, potassium salt	127-08-2	0%	0%
			Potassium oleate	143-18-0	1E-05%	0%
			Sodium sulfocyanate	540-72-7	0.00083%	0.00018%
			Sodium hydroxide	1310-73-2	0.03939%	0.00845%
			Boronatrocalsite	1319-33-1	0.23353%	0.05007%
			Sodium tetraborate	1330-43-4	0.01967%	0.00422%
			Sorbitan monooleate	1338-43-8	0.00321%	0.00069%
			Non-crystalline silica (impurity)	7631-86-9	0.00147%	0.00031%
			Hydrochloric acid	7647-01-0	0.6352%	0.13619%
			Monosodium fumarate	7704-73-6	0.00614%	0.00132%
			Diammonium peroxidisulphate	7727-54-0	0.07366%	0.01579%
			Guar gum	9000-30-0	0.58551%	0.12554%
			poly(tetrafluoroethylene)	9002-84-0	0.00013%	3E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	4E-05%	1E-05%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00201%	0.00043%
			Ethoxylated oleic acid	9004-96-0	0.00321%	0.00069%
			Boric acid	10043-35-3	0.00614%	0.00132%
			2-Propenoic acid, ammonium salt	10904-69-0	0.00079%	0.00017%
			Ammonium chloride	12125-02-9	0.01605%	0.00344%
			Magnesium silicate hydrate (talc)	14807-06-6	0.0003%	6E-05%
			Quartz, Crystalline silica	14808-60-7	97.91391%	20.99336%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.0099%	0.00212%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.02568%	0.00551%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00051%	0.00011%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	3E-05%	1E-05%
			Polyethylene glycol monohexyl ether	31726-34-8	0.04271%	0.00916%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.00508%	0.00109%
			Sorbitol Tetraoleate	61723-83-9	0.00096%	0.00021%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00178%	0.00038%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.0001%	2E-05%
			Distillates, petroleum, hydrotreated light	64742-47-8	0.0337%	0.00723%
			Alkyl (C10-C14) alcohols, ethoxylated	66455-15-0	0.00101%	0.00022%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00064%	0.00014%
Phenol, 4,4'-(1-methylethyldiene)bis-, polymer with 2-(chloromethyl)oxirane, 2-methyloxirane and oxirane	68123-18-2	0.00406%	0.00087%			
Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00091%	0.0002%			
Alcohols, C12-C14, ethoxylated	68439-50-9	0.00048%	0.0001%			
Alcohols, C12-C16, ethoxylated	68551-12-2	0.00124%	0.00027%			
Alcohol, C11-14, ethoxylated	78330-21-9	0.00101%	0.00022%			
C14 alpha olefin ethoxylate	84133-50-6	0.00048%	0.0001%			
Diutan gum	125005-87-0	0.00031%	7E-05%			

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:
3/16/2016
E-mail Address:
rebecca.deal@dvn.com

Printed Name:
Rebecca Deal

Title:
Regulatory Professional

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