

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 February 15, 2012

1. WELL API NO:
30-025-30627

2. Well Name:
SHINNERY 1 FEDERAL #001

3. Well Number:
001

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit/I Lot/I Section: 1 Township: 18S Range: 32E
Feet from: 1750 N/S Line: S
Feet from: 990 E/W Line: E

5. Bottom Hole Location:
Unit/I Lot/I Section: 1 Township: 18S Range: 32E
Feet from: 1750 N/S Line: S
Feet from: 990 E/W Line: E

6. latitude: longitude:
32.7739469795054 -
103.714494691769

7. County: L68

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: 7/19/2013 Frac Performed by: BHI

12. Production Type:
O

13. Pool Code(s):
13280

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
7,927 ft

16. Total Volume of Fluid Pumped:
125,244 gals

17. 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		84.62035%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.70587%
			Water	7732-18-5	85%	3.99995%
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00015%
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00029%
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3E-05%
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00175%
			Magnesium Chloride	7786-30-3	5%	0.00015%
			Magnesium Nitrate	10377-60-3	10%	0.00029%
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	75%	0.00484%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00324%
Enzyme G-I	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in in the non-MSDS section of the report	NA	100%	0.07365%
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.0081%
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.00536%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.03158%
			Potassium Hydroxide	1310-58-3	30%	0.01579%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06689%
			Water	7732-18-5	30%	0.02676%
Clay Master-5C	Baker Hughes	Clay Control	Oxalkylated Amine Quat	138879-94-4	60%	0.00239%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00108%
			Methanol	67-56-1	60%	0.00217%
			Olefin	Trade Secret	5%	0.00018%
			Polyoxyalkylenes	Trade Secret	30%	0.00108%
			Propargyl Alcohol	107-19-7	10%	0.00036%
			Glyoxal	107-22-2	10%	0.00823%
XLW-24	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4	30%	0.0247%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.01149%
			Sodium Hydroxide	1310-73-2	10%	0.00383%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.01149%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.40946%
			araffinic Petroleum Distillate	64742-55-8	60%	0.32571%
			Petroleum Distillate	64742-47-8	60%	0.32571%
			Petroleum Distillate Blend (1)	64742-47-8	70%	0.09771%
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.09771%
			Petroleum Distillate Blend (2)	64742-55-8	70%	0.09771%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00219%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00092%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.0119%
			Ammonium Hydroxide	1336-21-6	5%	0.0006%
			Cupric Chloride	7447-39-4	5%	0.0006%
NE-945, tote	Baker Hughes	Non-emulsifier	Oxalkylated alcohol	Trade Secret	5%	0.00338%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.0125%
Sand, White, 20/40	Baker Hughes	Proppant	Propylene Glycol	57-55-6	30%	0.0075%
			Crystalline Silica (Quartz)	14808-60-7	100%	4.05655%
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	4.499%
Techni-Hib 756	Baker Hughes	Salt Inhibitor	Hydrochloric Acid	7647-01-0	5%	0.00923%
			Phosphoric Acid	7664-38-2	2%	0.00369%
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.02355%
			Isopropanol	67-63-0	30%	0.01177%
Flo-Back 40, tote	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40%	0.01467%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01277%
			Mixture of Surfactants	Trade Secret	50%	0.02128%
			Water	7732-18-5	30%	0.01277%
Ingredients shown above are subject to 29 CFR 1910			85% Phosphoric Acid, FG	10361-65-6	0%	8E-07%
			Alkoxylated Amine	Trade Secret	0%	0.0067537%
			Alkyene Oxide Block Polymer	Trade Secret	0%	0.0076993%
			Antifoam	Trade Secret	0%	1.35E-05%
			Boric Acid	10043-35-3	0%	8E-07%
			Calcium Carbonate	471-34-1	0%	0.0005672%
			Calcium Chloride	10043-52-4	0%	1.6E-06%
			Citrus Terpenes	94266-47-4	0%	0.0235461%
			Corn Meal	N.A.	0%	0.0067258%
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	8E-07%
			D-Biotin, USP	119616-38-5	0%	8E-07%
			Fatty Acid Esters	67701-32-0	0%	8.32E-05%
			Fatty Acid Oxalkylate	70142-34-0	0%	8.8E-06%
			Ferric Chloride, Hexahydrate	7705-08-0	0%	8E-07%
			Formaldehyde	50-00-0	0%	1.81E-05%
			Glutaraldehyde	111-30-8	0%	0.0019363%
			Hemicellulase	9025-56-3	0%	0.0022094%
			Enzyme Concentrate			
			Linseed Meal	8001-26-1	0%	0.0008103%
			Magnesium Sulfate	7487-88-9	0%	8E-07%
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	8.9E-06%
			Methanol	67-56-1	0%	1.61E-05%
			Modified Thiourea Polymer	68527-49-1	0%	0.0003973%
			Organic Polyol	112-27-6	0%	0.0039244%
			Organic Sulfonic Acid	27176-67-0	0%	0.0001351%
			Oxalkylated Alkylphenol	9016-45-9	0%	7.88E-05%
			Polyethylene Glycol	25322-68-3	0%	8E-07%
			Polyglycol	25322-68-3	0%	0.0012832%
			Polyquaternary Amine	Trade Secret	0%	0.0008104%
			Potassium Hydroxide	1310-58-3	0%	8.93E-05%
			Potassium Sulfate	7778-80-5	0%	8E-07%
			Sodium Chloride	7647-14-5	0%	0.0171485%
			Sodium Molybdate	7631-95-0	0%	8E-07%
			Soy Isoflavone	486-66-8	0%	8E-07%
			Surfactants	Trade Secret	0%	0.0274705%
			Thiamine-HCl	67-03-8	0%	8E-07%
			Water	7732-18-5	0%	0.2072339%
			Xylene	1330-20-7	0%	2.63E-05%
			Yeast Extract	8013-01-2	0%	8E-07%
			Zinc Sulfate	7446-19-7	0%	8E-07%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	2.19E-05%

18. 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: Derek Berg Title: Engineering Technician

Date: 10/14/2013

E-mail Address: derek.berg@dm.com

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