

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:
30-025-30627

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: 32.7739469795054 longitude: -103.714494691769

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: 5/7/2012 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
13280

14. Gross Fractured Interval:
4,061 ft to 4,090 ft

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

16. Total Volume of Fluid Pumped:
96,012 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	Base Fluid	Water	7732-18-5		85.78043%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Water	7732-18-5	85%	5.28932%
			Hydrochloric Acid	7647-01-0	15%	0.93341%
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	5.94923%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.4307%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.4307%
			Petroleum Distillate	64742-47-8	60%	0.4307%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05141%
			Water	7732-18-5	30%	0.02456%
Enzyme G-I	Baker Hughes	Breaker	Proprietary	NA	100%	0.07058%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.04176%
			Potassium Hydroxide	1310-58-3	30%	0.02088%
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Proprietary	60%	0.03114%
			Isopropanol	67-63-0	30%	0.01557%
XLW-24	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4	30%	0.03267%
			Glyoxal	107-22-2	10%	0.01089%
Flo-Back 40, tote	Baker Hughes	Surfactant	Amphoteric Surfactant	Proprietary	40%	0.0194%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01574%
			Cupric Chloride	7447-39-4	5%	0.00079%
			Ammonium Hydroxide	1336-21-6	5%	0.00079%
Techni-Hib 756	Baker Hughes	Salt Inhibitor	Hydrochloric Acid	7647-01-0	5%	0.0122%
			Phosphoric Acid	7664-38-2	2%	0.00488%
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Acid	Proprietary	100%	0.01072%
CI-27	Baker Hughes	Corrosion Inhibitor	Methanol	67-58-1	60%	0.02857%
			Polyoxyalkylenes	Proprietary	30%	0.00143%
			Fatty Acids	Proprietary	30%	0.00143%
			Propargyl Alcohol	107-19-4	10%	0.00048%
			Olefin	Proprietary	5%	0.00024%
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Proprietary	5%	0.00447%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.0029%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00122%
X-Cide 207	Baker Hughes	Biocide	Diatomaceous Earth, Calcined	91053-39-3	60%	0.00231%
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00039%
			Magnesium Nitrate	10377-60-3	10%	0.00039%
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00019%
			Magnesium Chloride	7786-30-3	5%	0.00019%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	4E-05%
			Crystalline Silica: Cristobalite	14464-46-1	1%	4E-05%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4	60%	0.00316%
Ingredients shown above are subject to 29 CFR 1910			Water	7732-18-5	0%	0.22871%
			Surfactants	Proprietary	0%	0.03633%
			Citrus Terpenes	94266-47-4	0%	0.03114%
			Sodium Chloride	7647-14-5	0%	0.02288%
			Alkylene Oxide Block Polymer	Proprietary	0%	0.01018%
			Alkoxylated Amine	Proprietary	0%	0.00893%
			Corn Meal	NA	0%	0.00889%
			Organic Polyol	112-27-6	0%	0.00519%
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	0.00212%
			Polyglycol	25322-68-3	0%	0.0017%
			Polyquaternary Amine	Proprietary	0%	0.00107%
			Linseed Meal	8001-26-1	0%	0.00107%
			Calcium Carbonate	471-34-1	0%	0.00075%
			Modified Thiourea Polymer	68527-49-1	0%	0.00053%
			Organic Sulfonic Acid	27176-87-0	0%	0.00018%
			Fatty Acid Esters	67701-32-0	0%	0.00011%
			Oxyalkylated Alkylphenol	9016-45-9	0%	0.0001%
			Xylene	1330-20-7	0%	3E-05%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	3E-05%
			Formaldehyde	50-00-0	0%	2E-05%
			Antifoam	Proprietary	0%	2E-05%
			Mannan	37288-54-3	0%	1E-05%
			Endo-1,4-Bmannosidase			
			Fatty Acid Oxyalkylate	70142-34-6	0%	1E-05%
			Calcium Chloride	10043-52-4	0%	0%
			D-Biotin, USP	119616-38-5	0%	0%
			Boric Acid	10043-35-3	0%	0%
			Sodium Molybdate	7631-95-0	0%	0%
			Ferric Chloride, Hexahydrate	7705-08-0	0%	0%
			Polyethylene Glycol	25322-68-3	0%	0%
			85% Phosphoric Acid, FG	10361-65-6	0%	0%
			Soy Isoflavone	486-86-8	0%	0%
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	0%
			Potassium Sulfate	7778-80-5	0%	0%
			Magnesium Sulfate	7487-88-9	0%	0%
			Yeast Extract	8013-01-2	0%	0%
			Zinc Sulfate Heptahydrate	7446-19-7	0%	0%
			Thiamine-HCl	67-03-8	0%	0%

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: 12/22/2014
E-mail Address: sara.cook@dvn.com

Printed Name: Sara Cook

Title: Regulatory Associate

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