

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:
30-015-40822

2. Well Name:
DIAMOND PWU 22 #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒Original

☐Amendment

4. Surface Hole Location:
Unit D Lot D Section:22 Township:19S Range:29E
Feet from:725 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:22 Township:19S Range:29E
Feet from:725 N/S Line:N
Feet from:330 E/W Line:W

6. Latitude:
32.6514977945287 Longitude: -

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:
405-228-8588

11. Last Fracture Date:
12/13/2013 Frac Performed by: BHI

12. Production Type:
O

13. Pool Code(s):
60660

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
7,091 ft

16. Total Volume of Fluid Pumped:
1,955,898 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%	88.43647%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.24378%
			Water	7732-18-5	85%	1.38142%
Superset-W, 55 gal drum	Baker Hughes	Activator	Methanol	67-56-1	50%	0.00868%
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.00868%
Alpha 1427	Baker Hughes	Biocide	Didecyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.00215%
			Ethanol	64-17-5	5%	0.00107%
			Glutaraldehyde	111-30-8	30%	0.00645%
			Quaternary Ammonium Compound	68424-85-1	5%	0.00107%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.01253%
Enzyme G HT-II	Baker Hughes	Breaker	Tryptone	73049-73-7	5%	0.00102%
			Water	7732-18-5	100%	0.02035%
			Yeast Extract	08013-01-2	5%	0.00102%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.0038%
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.00054%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.07214%
			Water	7732-18-5	30%	0.02886%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4	60%	0.00048%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00072%
			Methanol	67-56-1	60%	0.00145%
			Olefin	Trade Secret	5%	0.00012%
			Polyoxalkylenes	Trade Secret	30%	0.00072%
			Propargyl Alcohol	107-19-7	10%	0.00024%
			Thiourea Polymer	68527-49-1	30%	0.00072%
			Ethylene Glycol	107-21-1	30%	0.00299%
			Sodium Hydroxide	1310-73-2	10%	0.00766%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.02299%
MaxPerm 20, tote	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.03415%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.12751%
			Petroleum Distillate Blend (1)	8042-47-8	70%	0.14876%
			Petroleum Distillate Blend (3)	6402-47-5	70%	0.14876%
			Petroleum Distillate Blend (2)	64742-55-8	70%	0.14876%
AG-57L	Baker Hughes	Gelling Agent	Acrylamide	79-06-1	0.1%	0%
			Acrylamide Copolymer	38193-60-1	40%	0.00068%
			Hydrotreated Light Distillate	64742-47-8	40%	0.00068%
Ferrotrol 280L	Baker Hughes	Iron Control	Z-Mercaptoethanol	60-24-2	100%	0.00448%
			Ammonium Hydroxide	1336-21-6	5%	0.00022%
			Cupric Chloride	7447-39-4	5%	0.00022%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.02239%
			Propylene Glycol	57-55-6	30%	0.01343%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	65%	0.01762%
			Proprietary Paraffin Inhibitor	Trade Secret	25%	0.00678%
			Silica, Crystalline-Quartz	14808-60-7	5%	0.00136%
			White Mineral Oil	8042-47-8	30%	0.00813%
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	4.75146%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	1.2451%
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	100-97-0	0.01%	0.00026%
			P/F Resin	9003-35-4	5%	0.12886%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	2.49988%
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.05414%
			Isopropanol	67-63-0	30%	0.02077%
Ingredients shown above are subject to 29 CFR 1910			85% Phosphoric Acid, FG	10361-65-6	0%	1E-07%
			Aliphatic Hydrocarbon Antifoam	Trade Secret	0%	0.0265223%
			Boric Acid	10043-35-3	0%	4.1E-06%
			Calcium Carbonate	471-34-1	0%	1E-07%
			Calcium Chloride	10043-52-4	0%	3.8E-05%
			Citrus Terpenes	94266-47-4	0%	1E-07%
			Corn Meal	N.A.	0%	0.0541382%
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	0.0004501%
			Cured Resin	Trade Secret	0%	1E-07%
			D-Biotin, USP	119616-38-5	0%	0.0009111%
			Ferric Chloride, Hexahydrate	7705-08-0	0%	1E-07%
			Formaldehyde	50-00-0	0%	1.2E-06%
			Glycerol	56-81-5	0%	0.0003052%
			Lactose	5989-81-1	0%	0.0002035%
			Linseed Meal	8001-26-1	0%	5.42E-05%
			Magnesium Sulfate	7487-88-9	0%	1E-07%
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	6E-07%
			Organic Polyol	112-27-6	0%	0.009023%
			Oxalkylated Alcohol	Trade Secret	0%	0.0022766%
			Polyethylene Glycol	25322-68-3	0%	1E-07%
			Polyglycol Ester	Trade Secret	0%	0.0010245%
			Polyol Ester	Trade Secret	0%	0.0012521%
			Potassium Sulfate	7778-80-5	0%	1E-07%
			Sodium Chloride	7647-14-5	0%	0.0181263%
			Sodium Molybdate	7631-95-0	0%	1E-07%
			Soy	8002-43-5	0%	8.1E-06%
			Soy Isoflavone	486-86-8	0%	1E-07%
			Surfactants	Trade Secret	0%	0.0631613%
			Thiamine-HCl	67-03-8	0%	1E-07%
			Vinyl Acetate Ethalene Copolymer	24937-78-8	0%	0%
			Vinyl Copolymer	Trade Secret	0%	0.0318723%
			Water	7732-18-5	0%	0.1117558%
			Yeast Extract	8013-01-2	0%	1E-07%
			Zinc Sulfate	7446-19-7	0%	1E-07%
			Heptahydrate			

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: Derek Berg

Title: Engineering Technician

Date: 4/22/2014

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

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