

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:
30-015-40508

2. Well Name:
TURQUOISE PWU 27 #007H

3. Well Number:
007H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒Original

☐Amendment

4. Surface Hole Location:
Unit:L Lot:L Section:27 Township:19S Range:29E
Feet from:2200 N/S Line:S
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:L Lot:L Section:27 Township:19S Range:29E
Feet from:2200 N/S Line:S
Feet from:330 E/W Line:W

6. Latitude:
32.6304717322576
Longitude:
-104.070212954741

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:
10/9/2013
Frac Performed by:
BHI

12. Production Type:
O

13. Pool Code(s):
49622

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
7,196 ft

16. Total Volume of Fluid Pumped:
1,424,010 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		82.81379%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0		0.2124%
			Water	7732-18-5		1.20362%
Superset-W, 55 gal drum	Baker Hughes	Activator	Methanol	67-56-1		0.01432%
			Poly (Oxyethylene)	9016-45-9		0.01432%
			Noniphenol Ether			
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5		0.01597%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0		0.00098%
Enzyme G-HT-II	Baker Hughes	Breaker	Tryptone	73049-73-7		0.00289%
			Water	7732-18-5		0.05781%
			Yeast Extract	08013-01-2		0.00289%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0		0.00439%
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret		0.00077%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7		0.06719%
			Potassium Hydroxide	1310-58-3		0.0336%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1		0.05953%
			Water	7732-18-5		0.02381%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4		0.00045%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret		0.00065%
			Methanol	67-56-1		0.0013%
			Olefin	Trade Secret		0.00011%
			Polyoxyallylenes	Trade Secret		0.00065%
			Propargyl Alcohol	107-19-7		0.00022%
			Thiourea Polymer	68527-49-1		0.00065%
XLW-4	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4		0.01853%
XLW-30G, tote	Baker Hughes	Crosslinker	Borate Suspension	Trade Secret		0.10221%
			Crystalline Silica Quartz	14808-60-7		0.00102%
MaxPerm 20, tote	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8		0.00239%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0		0.29437%
			Petroleum Distillate Blend (1)	64742-47-8		0.34343%
			Petroleum Distillate Blend (3)	8042-47-5		0.34343%
			Petroleum Distillate Blend (2)	64742-55-8		0.34343%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4		0.00063%
			Distillates, Petroleum, Hydroreated Middle	64742-47-8		0.00027%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2		0.00403%
			Ammonium Hydroxide	1336-21-6		0.0002%
			Cupric Chloride	7447-39-4		0.0002%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret		0.01925%
			Propylene Glycol	57-55-6		0.01155%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3		0.01465%
			Silica, Crystalline-Quartz	14808-60-7		0.00024%
			White Mineral Oil	8042-47-5		0.00732%
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7		9.5111%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7		0.89508%
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	100-97-0		0.00032%
			PF Resin	9003-35-4		0.15864%
			Silicon Dioxide (Silica Sand)	14808-60-7		3.07755%
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret		0.04893%
			Isopropanol	67-63-0		0.02447%
			85% Phosphoric Acid, FG	10361-65-6		1E-07%
			Aliphatic Hydrocarbon	Trade Secret		0.0018529%
			Antifoam	Trade Secret		1.16E-05%
			Boric Add	10043-35-3		1E-07%
			Calcium Carbonate	471-34-1		5.37E-06%
			Calcium Chloride	10043-52-4		2E-07%
			Citrus Terpenes	94266-47-4		0.0489306%
			Corn Meal	N/A		0.0006368%
			Cupric Sulfate 5 H2O, ACS	7758-99-8		1E-07%
			Cured Resin	Trade Secret		0.0010546%
			D-Biotin, USP	119616-38-5		1E-07%
			Fatty Acid Esters	67701-32-0		2.39E-05%
			Fatty Acid Oxyalkylate	70142-34-6		2.5E-06%
			Ferric Chloride, Hexahydrate	7705-08-0		1E-07%
			Formaldehyde	50-00-0		1.1E-06%
			Glutaraldehyde	111-30-8		0.0063888%
			Glycerol	56-81-5		0.0008971%
			Lactose	5998-81-1		0.0005781%
			Linseed Meal	8001-26-1		7.67E-05%
			Magnesium Sulfate	7487-88-9		1E-07%
			Mannan Endo-1,4-B-Mannosidase	37288-54-3		8E-07%
			Methanol	67-56-1		5.32E-05%
			Organic Polyol	112-27-6		0.0081551%
			Oxyalkylated Alcohol	Trade Secret		0.000159%
			Oxyalkylated Alkylphenol	9016-45-9		2.26E-05%
			Polyethylene Glycol	25322-68-3		1E-07%
			Polyglycol Ester	Trade Secret		7.16E-05%
			Polyol Ester	Trade Secret		8.75E-05%
			Potassium Sulfate	7778-80-5		1E-07%
			Sodium Chloride	7647-14-5		0.0126135%
			Sodium Molybdate	7631-95-0		1E-07%
			Soy	8002-43-5		2.31E-05%
			Soy Isoflavone	486-86-8		1E-07%
			Surfactants	Trade Secret		0.0570857%
			Thiamine-HCl	67-03-8		1E-07%
			Vinyl Acetate Ethalene Copolymer	24937-78-8		0.0048824%
			Vinyl Copolymer	Trade Secret		0.0022266%
			Water	7732-18-5		0.0985752%
			Xylene	1330-20-7		7.5E-06%
			Yeast Extract	8013-01-2		1E-07%
			Zinc Sulfate	7446-19-7		1E-07%
			Heptahydrate diester of sulfosuccinic acid sodium salt	2673-22-5		6.3E-06%

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:
4/22/2014
E-mail Address:
derek.berg@dvn.com

Printed Name:
Derek Berg

Title:
Engineering Technician

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