

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.
30-025-40626

2. Well Name:
GAUCHO 21 FEDERAL #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:21 Township:22S Range:34E
Feet from:375 N/S Line:S
Feet from:375 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:21 Township:22S Range:34E
Feet from:375 N/S Line:S
Feet from:375 E/W Line:W

6. Latitude: longitude:
32.3709756777027 -
103.482311638801

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: 8/21/2012 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
97946

14. Gross Fractured Interval:
8,625 ft to 12,538 ft

15. True Vertical Depth (TVD):
8,400 ft

16. Total Volume of Fluid Pumped:
35,302 bbls

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	100%	84.49185%
HCl, 5.1 - 7.5%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	7.5%	0.10407%
			Water	7732-18-5	92.5%	1.28348%
Superset-W, 330 gl tote	Baker Hughes	Activator	Methanol	67-56-1	50%	0.00988%
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.00988%
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00644%
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00191%
			Water	7732-18-5	97%	0.06174%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	60%	0.00324%
			Crystalline Silica Quartz	14808-60-7	30%	0.00162%
GBW-18	Baker Hughes	Breaker	Sodium Persulfate	7775-27-1	100%	0.0015%
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.00048%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.05876%
			Potassium Hydroxide	1310-58-3	30%	0.02938%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.0698%
			Water	7732-18-5	30%	0.02792%
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60%	0.00044%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00064%
			Methanol	67-56-1	60%	0.00128%
			Olefin	Trade Secret	5%	0.00011%
			Polyoxyalkylenes	Trade Secret	30%	0.00064%
			Propargyl Alcohol	107-19-7	10%	0.00021%
XLW-4	Baker Hughes	Crosslinker	Sodium Borate Decahydrate	1303-96-4	30%	0.0144%
XLW-30G, tote	Baker Hughes	Crosslinker	Borate Suspension	Trade Secret	99.8%	0.06548%
			Crystalline Silica Quartz	14808-60-7	0.2%	0.00013%
FRW-14 (Small Tote)	Baker Hughes	Friction Reducer	No Hazardous Ingredients	N.A.	100%	0.01144%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.32314%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.32314%
			Petroleum Distillate	64742-47-8	60%	0.32314%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00062%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00026%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00395%
			Ammonium Hydroxide	1336-21-6	5%	0.0002%
			Cupric Chloride	7447-39-4	5%	0.0002%
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00433%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	7.88511%
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	1009-7-0	0.01%	0.00045%
			P/F Resin	9003-35-4	5%	0.22497%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	4.36439%
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.02553%
			Isopropanol	67-63-0	30%	0.01277%
Ingredients shown above are subject to 29 CFR 1910			85% Phosphoric Acid, FG	10361-65-6	0%	0%
			Aliphatic Hydrocarbon	Trade Secret	0%	0.0026658%
			Alkoxyated Amine	Trade Secret	0%	0.0086607%
			Alkylen Oxide Block Polymer	Trade Secret	0%	0.0098732%
			Antifoam	Trade Secret	0%	1.73E-05%
			Boric Acid	10043-35-3	0%	0%
			Calcium Carbonate	471-34-1	0%	3.35E-05%
			Calcium Chloride	10043-52-4	0%	1E-07%
			Citrus Terpenes	94266-47-4	0%	0.0255336%
			Corn Meal	N.A.	0%	0.0003971%
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	0%
			Cured Acrylic Resin	Trade Secret	0%	0.0016198%
			D-Biotin ,USP	119616-38-5	0%	0%
			Fatty Acid Esters	67701-32-0	0%	2.34E-05%
			Fatty Acid Oxyalkylate	70142-34-6	0%	2.5E-06%
			Ferric Chloride, Hexahydrate	7705-08-0	0%	0%
			Formaldehyde	50-00-0	0%	1.07E-05%
			Glycerin	56-81-5	0%	0%
			Linseed Meal	8001-26-1	0%	4.78E-05%
			Magnesium Sulfate	7487-88-9	0%	0%
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	5E-07%
			Methanol	67-56-1	0%	5.37E-05%
			Modified Thiourea Polymer	68527-49-1	0%	0.0002346%
			Organic Polyol	112-27-6	0%	0.0042556%
			Organic Sulfonic Acid	27176-87-0	0%	0.0001732%
			Oxyalkylated Alcohol	Trade Secret	0%	0.0002059%
			Oxyalkylated Alkylphenol	9016-45-9	0%	2.22E-05%
			Polyethylene Glycol	25322-68-3	0%	0%
			Polyglycol	25322-68-3	0%	0.0016455%
			Polyglycol Ester	Trade Secret	0%	9.15E-05%
			Polyol Ester	Trade Secret	0%	0.0001259%
			Polyquaternary Amine	Trade Secret	0%	0.0010393%
			Potassium Sulfate	7778-80-5	0%	0%
			Sodium Chloride	7647-14-5	0%	0.0068661%
			Sodium Molybdate	7631-95-0	0%	0%
			Soy Isoflavone	486-66-8	0%	0%
			Surfactants	Trade Secret	0%	0.0297892%
			Thiamine-HCl	67-03-8	0%	0%
			Vinyl Copolymer	Trade Secret	0%	0.0031578%
			Water	7732-18-5	0%	0.15453%
			Xylene	1330-20-7	0%	7.4E-06%
			Yeast Extract	8013-01-2	0%	0%
			Zinc Sulfate Heptahydrate	7446-19-7	0%	0%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	6.2E-06%

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: 11/6/2012

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

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