

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:
30-045-33243

2. Well Name:
NEW MEXICO FEDERAL N #002F

3. Well Number:
002F

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒Original
☐Amendment

4. Surface Hole Location:
Unit:G Lot:7 Section:17 Township:30N Range:12W
Feet from:1980 N/S Line:N
Feet from:2610 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot:7 Section:17 Township:30N Range:12W
Feet from:1980 N/S Line:N
Feet from:2610 E/W Line:E

6. latitude: 36.8151706794204 longitude: -108.120782509956

7. County: San Juan

8. Operator Name and Address:
XTO ENERGY, INC
XTO Energy, Inc.
382 Road 3100
Aztec 87410

9. OGRID: 5380

10. Phone Number: 505-333-3143

11. Last Fracture Date: 10/5/2013 Frac Performed by: Halliburton

12. Production Type: G

13. Pool Code(s): 97232

14. Gross Fractured Interval: 6,102 ft to 6,387 ft

15. True Vertical Depth (TVD): 7,000 ft

16. Total Volume of Fluid Pumped: 331,102 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	Base Fluid	Water	7732-18-5		95.6553%
Sand - Premium White	Halliburton	Proppant	Crystalline Silica, Quartz	14808-60-7		2.39711%
FE Acid - >10% HCL	Halliburton	Solvent	Hydrochloric Acid	7647-01-0		0.30059%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Naphtha, Hydrotreated Heavy	64742-48-9		0.12226%
			Guar Gum	9000-30-0		0.12226%
Chlorine Dioxide	PureLine Treatment Systems	Biocide	Chlorine Dioxide	10049-04-4		0.10964%
BC-140	Halliburton	Crosslinker	Monoethanolamine Borate	26038-87-9		0.06526%
			Ethylene Glycol	107-21-1		0.03263%
			Ethanol	64-17-5		0.03271%
			Heavy Aromatic Petroleum Naphtha	64742-94-5		0.01635%
			Naphthalene	91-20-3		0.00273%
			Poly(oxy-1,2-ethanediy), alpha-(4-nonylphenyl)-omega hydroxy-	127087-87-0		0.00273%
			1,2,4-Trimethylbenzene	95-63-6		0.00055%
OilPerm B	Halliburton	Surfactant	Proprietary Component	Confidential		0.01669%
			Terpenes and Terpenoids, Sweet Orange-Oil	68647-72-3		0.01669%
			Isopropanol	67-63-0		0.01669%
Cla-Web	Halliburton	Additive	Ammonium Salt	Confidential		0.04664%
OptiKleen-WF	Halliburton	Concentrate	Sodium Perborate Tetrahydrate	10486-00-7		0.02129%
FE-1A Acidizing Composition	Halliburton	Additive	Acetic Anhydride	108-24-7		0.00621%
			Acetic Acid	64-19-7		0.00373%
Optiflo-HTE	Halliburton	Breaker	Walnut Hulls	NA		0.00693%
			Crystalline Silica, Quartz (SiO2	14808-60-7		0.00208%
FR-66	Halliburton	Friction Reducer	Hydrotreated Light Petroleum Distillate	64742-47-8		0.00817%
Parasorb 5005	Baker Hughes	Paraffin Inhibitor	Diatomaceous Earth, Calcined	91053-39-3		0.00333%
			Complex Ester	Proprietary		0.00208%
			Heavy Aromatic Naphtha	64742-94-5		0.00069%
			Ethylene-Vinyl Acetate Copolymer	Proprietary		0.00035%
			Mineral Oil	8042-47-5		0.00035%
			Crystalline Silica: Quartz (SiO2	14808-60-7		7E-05%
			Naphthalene	91-20-3		7E-05%
GBW-30 Breaker	Halliburton	Breaker	Carbohydrates	Confidential		0.00346%
			Hemicellulase Enzyme	9012-54-8		0.00104%
FE-2A	Halliburton	Additive	Citric Acid	77-92-9		0.00429%
HAI-OS Acid Inhibitor	Halliburton	Corrosion Inhibitor	Methanol	67-56-1		0.00031%
			Propargyl Alcohol	107-19-7		5E-05%
		Other Ingredient(s)	Water	7732-18-5		1.1512%
Chlorine Dioxide	PureLine Treatment Systems	Biocide	Water	7732-18-5		0.25582%
		Other Ingredient(s)	Alcohols, C12-16, Ethoxylated	61791-08-0		0.01669%
			Ethoxylated Fatty Acid	Confidential		0.01669%
			Oryalkylated Phenolic Resin	Confidential		0.01635%
			Quaternary Ammonium Compounds, Bis (hydrogenated tallow alkyl) Dimethyl, Salts with Bentonite	68953-58-2		0.01019%
			Acetic Acid	64-19-7		0.01002%
			Acetic Anhydride	108-24-7		0.01002%
			Citric Acid	77-92-9		0.01002%
			Polyacrylamide Copolymer	Confidential		0.00817%
			Terpenes and Terpenoids	Confidential		0.00556%
			Oryalkylated Phenolic Resin	Confidential		0.00545%
			Sodium Chloride	7647-14-5		0.00525%
			Quaternary Amine	Confidential		0.00389%
			Cured Acrylic Resin	Confidential		0.00208%
			Fatty Alcohol Polyglycol Ether Surfactant	9043-30-5		0.00204%
			Alcohols, C12-16, Ethoxylated	68551-12-2		0.00136%
			Fatty Acid Tall Oil Amide	Confidential		0.00136%
			Ammonium Chloride	12125-02-9		0.00136%
			Quaternary Amine	Confidential		0.00078%
			Enzyme	Confidential		0.00035%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8		0.00027%
			Sorbitan Monooleate Polyoxyethylene Derivative	9005-65-6		0.00027%
			Crystalline Silica, Quartz	14808-60-7		0.0002%
			Reaction Product of Acetophenone, Formaldehyde, Thiourea and Oleic Acid in Dimethyl Formamide	68527-49-1		0.00015%
			Alcohols, C14-C15, Ethoxylated	68951-67-7		0.00015%
			Fatty Acids, Tall Oil	Confidential		0.00015%
			Amine Salts	Confidential		8E-05%
			Amine Salts	Confidential		8E-05%
			Quaternary Amine	Confidential		8E-05%
			Cured acrylic resin	Confidential		7E-05%
			C.I. Pigment Red 5	6410-41-9		7E-05%
			Olefins	Confidential		3E-05%
			Olefins	Confidential		1E-05%
			Olefins	Confidential		1E-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
Date: 10/31/2013
E-mail Address: Sherry_morrow@xtoenergy.com

Printed Name: Sherry Morrow

Title: Regulatory Analyst

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