

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:
30-045-35372

2. Well Name:
SULLIVAN A #001F

3. Well Number:
001F

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒Original

☐Amendment

4. Surface Hole Location:
Unit:L Lot:L Section:25 Township:29N Range:11W
Feet from:1703 N/S Line:S
Feet from:889 E/W Line:W

5. Bottom Hole Location:
Unit:L Lot:L Section:25 Township:29N Range:11W
Feet from:1703 N/S Line:S
Feet from:889 E/W Line:W

6. latitude:
0 longitude:
0

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:
10/7/2013 Frac Performed by: Halliburton

12. Production Type:
G

13. Pool Code(s):
2290, 71599, 82329

14. Gross Fractured Interval:
2,782 ft to 6,388 ft

15. True Vertical Depth (TVD):
6,478 ft

16. Total Volume of Fluid Pumped:
153,516 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)
Fresh Water	Halliburton	Base Fluid	Fresh Water	7732-18-5	100%	42.52813%
Sand Premium White	Halliburton	Proppant	Crystalline Silica, Quartz	14808-60-7	100%	35.35598%
Nitrogen Liquefied	Halliburton	Fluid	Nitrogen	7727-37-9	100%	17.67342%
CRC Sand	Halliburton	Proppant	Crystalline Silica, Quartz	14808-60-7	100%	2.99284%
			Phenolformaldehyde resin	9003-35-4	5%	0.14964%
			Hexamethylenetetramine	100-97-0	2%	0.14964%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar Gum	9000-30-0	60%	0.10588%
			Naphtha, hydrotreated	64742-48-9	60%	0.10588%
FE Acid -> 10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.19955%
HC-2	Halliburton	Additive	Sodium Chloride	7647-14-5	30%	0.04021%
			Inner salt of alkyl amines	Confidential	30%	0.04021%
Chlorine Dioxide	Pure Line Treatment Systems	Biocide	Chlorine Dioxide	10049-04-4	30%	0.04416%
ScaleSorb 3	BJ Services Company	Scale Inhibitor	Calcined Diatomaceous	91053-39-3	100%	0.03322%
			Amino Tri (methylenephosphonic acid)	6149-19-8	30%	0.00997%
			Phosphonic Acid	13598-36-2	1%	0.00033%
			Crystalline Silica Quartz	14808-60-7	1%	0.00033%
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidential	60%	0.03382%
OilPerm A	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.01846%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00923%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00154%
			Naphthalene	91-20-3	5%	0.00154%
			1,2,4 Trimethylbenzene	95-93-6	1%	0.00031%
OilPerm B	Halliburton	Surfactant	Proprietary component	Confidential	30%	0.00938%
			Terpenes and Terpenoids, Sweet orange-oil	68647-72-3	30%	0.00938%
			Isopropanol	67-53-0	30%	0.00938%
FE-1A Acidizing Composition	Halliburton	Additive	Acetic anhydride	108-24-7	100%	0.01191%
			Acetic Acid	64-19-7	60%	0.00714%
BC-140	Halliburton	Crosslinker	Monoethanolamine borate	26038-87-9	60%	0.00997%
			Ethylene Glycol	107-21-1	30%	0.00498%
Parasorb 5005	Baker Hughes	Paraffin Inhibitor	Crystalline earth, calcined	91053-39-3	48%	0.00478%
			Complex Ester	Proprietary	30%	0.00299%
			Heavy aromatic naphtha	64742-94-5	10%	0.001%
			Mineral oil	8042-47-5	5%	0.0005%
			Ethylene-Vinyl acetate copolymer	Proprietary	5%	0.0005%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	0.0001%
			Naphthalene	91-20-3	1%	0.0001%
Clia-Web	Halliburton	Additive	Ammonium salt	Confidential	50%	0.00968%
Optiflo-III Delayed release breaker	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00335%
			Crystalline Silica, quartz	14808-60-7	30%	0.00101%
SP Breaker	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00226%
Optiflo-HTE	Halliburton	Breaker	Walnut hulls	NA	100%	0.00083%
			Crystalline silica, quartz	14808-60-7	30%	0.00025%
HA1-OS Acid Inhibitor	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00059%
			Propargyl alcohol	107-19-7	10%	0.0001%
GBW-30-Breaker	Halliburton	Breaker	Carbohydrates	Confidential	100%	0.00043%
			Hemicellulase enzyme	9012-54-8	30%	0.00013%
		Other Ingredient(s)	Water	7732-18-5	0%	0.78284%
Chlorine Dioxide	PureLine Treatment Systems	Biocide	Water	7732-18-5	70%	0.10305%
		Other Ingredient(s)	Borate salts	Confidential	0%	0.03382%
			Sodium carbonate	497-19-9	0%	0.01691%
			Ethoxylated fatty acid	Confidential	0%	0.00938%
			Alcohols, C12-16, ethoxylated	61791-08-0	0%	0.00938%
			Oxalkylated phenolic resin	Confidential	0%	0.00923%
			Quaternary ammonium compounds, bis (hydrogenated tallo alkyl) (dimethyl, salts with bentonite	65953-58-2	0%	0.00882%
			Glycerine	56-81-5	70%	0.10305%
			Acetic anhydride	108-24-7	0%	0.00665%
			Acetic Acid	64-19-7	0%	0.00665%
			Citric Acid	77-92-9	0%	0.00665%
			Terpenes and terpenoids	Confidential	0%	0.00313%
			Oxalkylated phenolic resin	Confidential	0%	0.00308%
			Modified bentonite	Confidential	0%	0.00282%
			Fatty Alcohol poly ether surfactant	9403-30-5	0%	0.00176%
			Cured acrylic resin	Confidential	0%	0.00081%
			Quaternary amine	Confidential	0%	0.00081%
			Sodium Chloride	7647-14-5	0%	0.00081%
			2-Ethyl hexanol	104-76-7	0%	0.00056%
			Organic salt	Confidential	0%	0.00056%
			Propylene carbonate	108-32-7	0%	0.00056%
			Propylene glycol	57-55-6	0%	0.00056%
			Fatty acids, tall oil	Confidential	0%	0.0003%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0.0003%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0.0003%
			Cured acrylic resin	Confidential	0%	0.00025%
			Crystalline silica, quartz	14808-60-7	0%	0.00023%
			Quaternary amine	Confidential	0%	0.00016%
			Butyl alcohol	71-36-3	0%	6E-05%
			Methanol	67-56-1	0%	6E-05%
			Olefins	Confidential	0%	5E-05%
			Enzyme	Confidential	0%	4E-05%
			Quaternary amine	Confidential	0%	2E-05%
			Amine Salts	Confidential	0%	2E-05%
			Olefins	Confidential	0%	1E-05%
			C.I. Pigment Red 5	6410-41-9	0%	1E-05%
			Sodium sulfate	7757-82-6	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

Printed Name:
Kristen Lynch

Title:
Regulatory Analyst

Date:
11/26/2013

E-mail Address:
Kristen_lynch@xtoenergy.com

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