

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:
30-045-21384

2. Well Name:
CANYON #008

3. Well Number:
008

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:G Lot:G Section:14 Township:25N Range:11W
Feet from:1650 N/S Line:N
Feet from:2508 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot:G Section:14 Township:25N Range:11W
Feet from:1650 N/S Line:N
Feet from:2508 E/W Line:E

6. latitude: longitude:
36.4037725529183 -107.973117711893

7. County:
San Juan

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

9. OGRID:
5380

10. Phone Number:
505-333-3143

11. Last Fracture Date: 1/8/2015 Frac Performed by: Halliburton

12. Production Type:
G

13. Pool Code(s):
97232

14. Gross Fractured Interval:
4,928 ft to 5,180 ft

15. True Vertical Depth (TVD):
6,146 ft

16. Total Volume of Fluid Pumped:
45,477 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	Operator	Base Fluid	Fresh Water	7732-18-5	100%	48.85991%
Nitrogen Liquefied	Halliburton	Fluid	Nitrogen	7727-37-9	100%	24.48591%
Sand-Premium Brown	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	22.5532%
CRC Sand Premium	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.23475%
			Phenol/formaldehyde resin	9003-35-4	5%	0.16174%
			Hexamethylenetetramine	100-97-0	2%	0.0647%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Naphtha, hydrotreated heavy	64742-48-9	60%	0.14672%
			Guar gum	9000-30-0	60%	0.14672%
Parasorb 5005	Baker Hughes	Paraffin Inhibitor	Diatomaceous earth, calcined	91053-39-3	48%	0.06176%
			Complex Ester	Proprietary	30%	0.0386%
			Heavy aromatic naphtha	64742-94-5	10%	0.01287%
			Ethylene-Vinyl acetate copolymer	Proprietary	5%	0.00643%
			Mineral oil	8042-47-5	5%	0.00643%
			Naphthalene	91-20-3	1%	0.00129%
			Crystalline silica: Quartz (SiO2)	14808-60-7	5%	0.00643%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential	30%	0.05726%
			Sodium chloride	7647-14-5	30%	0.05726%
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidential	60%	0.07485%
Scalesorb 3	Baker Hughes	Scale Inhibitor	Diatomaceous earth, calcined	91053-39-3	100%	0.03217%
			Amino alkyl phosphonic acid	Confidential	30%	0.00965%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	0.00032%
			Phosphonic acid	13598-36-2	1%	0.00032%
Gasperm 1000M	Halliburton	Surfactant	Isopropanol	67-63-0	30%	0.01308%
			Citrus, extract	94266-47-4	10%	0.00436%
Cia-Web	Halliburton	Additive	ammonium salt	Confidential	60%	0.01697%
Optiflo-hite	Halliburton	Breaker	Walnut Hulls	Confidential	100%	0.00708%
			Crystalline silica, quartz	14808-60-7	30%	0.00212%
SP Breaker	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00772%
BE-6	Halliburton	Microbicide	2-Bromo-1,3-propanediol	52-51-7	100%	0.00193%
		Other Ingredient	Water	7732-18-5	0%	0.14457%
		Other Ingredient	Borate salts	Confidential	0%	0.07485%
		Other Ingredient	Sodium carbonate	497-19-8	0%	0.03743%
		Other Ingredient	Polyoxyalkylenes	Confidential	0%	0.01308%
		Other Ingredient	Polyoxyalkylenes	Confidential	0%	0.01308%
		Other Ingredient	Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl, salts with bentonite	68953-58-2	0%	0.01223%
		Other Ingredient	Glycerine	56-81-5	0%	0.00954%
		Other Ingredient	Modified bentonite	Confidential	0%	0.00624%
		Other Ingredient	Quaternary ammonium compounds	Confidential	0%	0.00436%
		Other Ingredient	Terpene	Confidential	0%	0.00436%
		Other Ingredient	Ethoxylated oil	Confidential	0%	0.00436%
		Other Ingredient	Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0.00245%
		Other Ingredient	Cured acrylic resin	Confidential	0%	0.00212%
		Other Ingredient	Quaternary amine	Confidential	0%	0.141%
		Other Ingredient	Sodium Chloride	7647-14-5	0%	0.00141%
		Other Ingredient	Propylene glycol	57-55-6	0%	0.00125%
		Other Ingredient	2-Ethyl hexanol	104-76-7	0%	0.00125%
		Other Ingredient	Propylene carbonate	108-32-7	0%	0.00125%
		Other Ingredient	Organic salt	Confidential	0%	0.00125%
		Other Ingredient	Crystalline silica, quartz	14808-60-7	0%	0.00037%
		Other Ingredient	Enzyme	Confidential	0%	0.00035%
		Other Ingredient	Quaternary amine	Confidential	0%	0.00028%
		Other Ingredient	Methanol	67-56-1	0%	0.00012%
		Other Ingredient	Butyl alcohol	71-36-3	0%	0.00012%
		Other Ingredient	Cured acrylic resin	Confidential	0%	7E-05%
		Other Ingredient	C.I. Pigment Red 5	6410-41-9	0%	7E-05%
		Other Ingredient	Amine salts	Confidential	0%	3E-05%
		Other Ingredient	Amine salts	Confidential	0%	3E-05%
		Other Ingredient	Quaternary amine	Confidential	0%	3E-05%
		Other Ingredient	Sodium Sulfate	7757-82-6	0%	1E-05%

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: 1/16/2015

E-mail Address: Kristen_lynnch@xtoenergy.com

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