

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:
30-039-29658

2. Well Name:
JICARILLA APACHE #014G

3. Well Number:
014G

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:K Lot:K Section:34 Township:26N Range:05W
Feet from:2140 N/S Line:S
Feet from:1710 E/W Line:W

5. Bottom Hole Location:
Unit:K Lot:K Section:34 Township:26N Range:05W
Feet from:2140 N/S Line:S
Feet from:1710 E/W Line:W

6. latitude: longitude:
36.44202 -107.34974

7. County:
Rio Arriba

8. Operator Name and Address:
XTO ENERGY, INC
9193 S. Jamaica St.
PO Box 6601
Englewood 80155

9. OGRID: 5380

10. Phone Number: 303-397-3716

11. Last Fracture Date: 4/3/2016 Frac Performed by: Halliburton

12. Production Type:
G

13. Pool Code(s):
97232

14. Gross Fractured Interval:
6,772 ft to 7,037 ft

15. True Vertical Depth (TVD):
7,694 ft

16. Total Volume of Fluid Pumped:
70,035 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)
2% KCL Water	Operator	Base Fluid	2% KCL Water	NA		56.52369%
HYDROCHLORIC ACID	Halliburton	Solvent	Hydrochloric acid	7647-01-0	60%	1.03479%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	5.48314%
CRC SAND PREMIUM	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.40489%
			Hexamethylenetetramine	100-97-0	2%	0.0481%
			Phenol / formaldehyde resin	9003-35-4	5%	0.12024%
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.03172%
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidential	60%	0.03614%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00131%
			Potassium metaborate	13709-94-9	60%	0.01574%
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.02373%
LOSURF-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00039%
			Ethanol	64-17-5	60%	0.02344%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.01172%
			Naphthalene	91-20-3	5%	0.00195%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00195%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential	30%	0.06269%
			Sodium chloride	7647-14-5	30%	0.06269%
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.0097%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00128%
			Propargyl alcohol	107-19-7	10%	0.00021%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.00259%
			Acetic anhydride	108-24-7	100%	0.00431%
FE-2A	Halliburton	Additive	Oitic acid	77-92-9	60%	0.00298%
ParaSorb	Baker Hughes	Scale Control	Diatomaceous Earth, Calcined	91053-39-3	60%	0.05772%
			Mineral Oil	8042-47-5	30%	0.02886%
			Crystalline Silica: Quarts (SiO2)	14808-60-7	1%	0.00096%
Scalesorb	Baker Hughes	Scale Control	Amino alkyl phosphonic acid	Confidential	30%	0.00721%
			Crystalline Silica	14808-60-7	1%	0.00024%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00818%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00577%
			Crystalline silica, quartz	14808-60-7	30%	0.00173%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14362%
Nitrogen	Halliburton	Foamer	Nitrogen	7727-37-9	100%	33.05445%
Ingredients Listed Below This Line Are Part of the			2-Ethyl hexanol	104-76-7	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Amine salts	Confidential	0%	0%
			Amine salts	Confidential	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	Confidential	0%	0%
			Butyl alcohol	71-36-3	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential	0%	0%
			Fatty acids, tall oil	Confidential	0%	0%
			Glycerine	56-81-5	0%	0%
			Methanol	67-56-1	0%	0%
			Modified bentonite	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Organic salt	Confidential	0%	0%
			Oxyalkylated phenolic resin	Confidential	0%	0%
			Oxyalkylated phenolic resin	Confidential	0%	0%
			Propylene carbonate	108-32-7	0%	0%
			Propylene glycol	57-55-6	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	69527-49-1	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium carbonate	497-19-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Water	7732-18-5	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: 5/25/2016

E-mail Address: Kristen_lynch@xtoenergy.com

NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.