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 9, 2013

1. WELL API NO.: 30-045-35263
2. Well Name: GRENIER B #003P
3. Well Number: 003P
4. Surface Hole Location: Unit: O Lot: 19 Section: 5 Township: 29N Range: 10W; Feet from: 815 N/S Line: S; Feet from: 2495 E/W Line: E
5. Bottom Hole Location: Unit: O Lot: 19 Section: 5 Township: 29N Range: 10W; Feet from: 815 N/S Line: S; Feet from: 2495 E/W Line: E
6. Latitude: 36.750060091552 Longitude: -107.90758571962
7. County: San Juan

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

8. Operator Name and Address: BURLINGTON RESOURCES OIL & GAS COMPANY LP, 3401 E. 30TH STREET, FARMINGTON 87402
9. OGRID: 14538
10. Phone Number: 505-326-9518
11. Last Fracture Date: 12/12/2015 Frac Performed by: Baker Hughes
12. Production Type: G
13. Pool Code(s): 71599, 72319
14. Gross Fractured Interval: 3,900 ft to 6,517 ft
15. True Vertical Depth (TVD): 6,672 ft
16. Total Volume of Fluid Pumped: 117,163 gals
17. Total Volume of Re-Use Water Pumped: 0 bbls
18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed

☒ 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%	82.3991%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Listed with Chemicals in Ingredients	N/A	0%	0.7452%
Alpha 1427	Baker Hughes	Biocide	Listed with Chemicals in Ingredients	N/A	0%	0.0451%
GBW-5	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.0071%
CI-27	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0029%
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0242%
FAW-22, 260 gal, tote	Baker Hughes	Foamer	Listed with Chemicals in Ingredients	N/A	0%	0.2518%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Listed with Chemicals in Ingredients	N/A	0%	0.0426%
Ferrotrol 300L (Totes)	Baker Hughes	Iron Control	Listed with Chemicals in Ingredients	N/A	0%	0.0061%
Nitrogen	Baker Hughes	Nitrogen	Listed with Chemicals in Ingredients	N/A	0%	21.3318%
Sand, Brown, 20/40	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	14.4521%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0193%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Listed with Chemicals in Ingredients	N/A	0%	0.0665%
Chemical Ingredients	Baker Hughes	Treatment System	1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-, polymer with 2-propenamide, sodium salt	83446-68-8	60%	0.025529%
			Acid Phosphate Ester	9046-01-9	10%	0.002415%
			Alcohols, ethoxylated	68551-12-2	10%	0.006637%
			Amines, unsatd. alkyl, ethoxylated	68155-39-5	5%	0.003318%
			Amino Trimethylene Phosphonic Acid	6419-19-8	28%	0.005409%
			Ammonium Alkyl Ether Sulfate	78330-26-4	10%	0.025136%
			Ammonium Persulphate	7727-54-0	100%	0.007083%
			Citric Acid	77-92-9	60%	0.003653%
			Crystalline Cristobalite	14464-46-1	1%	0.000193%
			Crystalline Silica (Quartz)	14808-60-7	100%	14.427902%
			Crystalline Silica: Quartz	14808-60-7	1%	0.000241%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.038439%
			Dodecyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.004507%
			Ethanol	64-17-5	5%	0.002254%
			Ethoxylated Alcohol	68439-46-3	1%	0.002514%
			Ethylene Glycol	107-21-1	1%	0.002755%
			Fatty Acids	61790-12-3	30%	0.00566%
			Fatty Amide Derivative	70851-08-0	1%	0.002514%
			Formaldehyde	50-00-0	1%	0.002515%
			Glutaraldehyde	111-30-8	30%	0.013521%
			Hydrochloric Acid	7647-01-0	15%	0.111592%
			Hydrotreated Light Distillate	64742-47-8	30%	0.012765%
			Isopropanol	67-63-0	30%	0.075409%
			Methanol	67-56-1	60%	0.021631%
			Nitrogen	7727-37-9	100%	21.2992%
			Olefin	64743-02-8	5%	0.000743%
			Oxyalkylated alcohol	78330-21-9	5%	0.002127%
			Phosphonic Acid	13598-36-2	1%	0.000193%
			Phosphonic Acid	7664-38-2	1%	0.000241%
			Polyethylene glycol monophenyl ether	9016-45-9	15%	0.009955%
			Polycarboxylates	78330-21-9	30%	0.001151%
			Polyoxyethylene sorbitan monooleate	9005-65-6	5%	0.002127%
			Propargyl Alcohol	107-19-7	10%	0.000287%
			Quaternary Ammonium Chloride	61789-71-7	30%	0.007244%
			Quaternary Ammonium Compound	68424-85-1	5%	0.002254%
			Sodium Chloride	7647-14-5	5%	0.004555%
			Sodium Sulfate	7757-82-6	1%	0.002514%
			Sodium Sulfonate	68439-57-6	30%	0.075409%
			Sorbitan, mono-(9Z)-9-octadecenoate	1338-43-8	5%	0.002127%
			Sulfuric acid, monodecyl ester, sodium salt (1:1)	142-87-0	5%	0.012568%
			Sulfuric acid, monotridecyl ester, sodium salt (1:1)	2207-98-9	1%	0.002514%
			Sulfuric acid, monotridecyl ester, sodium salt (1:1)	142-31-4	5%	0.012568%
			Thioglycolic Acid	68-11-1	1%	0.002241%
			Thiourea Polymer	68527-49-1	30%	0.00566%
			Water	7732-18-5	85%	0.987015%
Ingredients shown above are subject to 29 CFR 1910					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: Dollie L. Busse
Title: Staff Regulatory Technician

Date: 2/19/2015
E-mail Address: Dollie.L.Busse@conocophillips.com

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