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. 30-015-43148
2. Well Name: BAROQUE BTQ FEDERAL COM #001H
3. Well Number: 001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:J Lot:J Section:6 Township:19S Range:30E
Feet from:1980 N/S Line:S
Feet from:2440 E/W Line:E

5. Bottom Hole Location:
Unit:J Lot:J Section:6 Township:19S Range:30E
Feet from:1979 N/S Line:S
Feet from:330 E/W Line:E

6. latitude: 32.6876862344484 longitude: -104.010679015679

7. County: Eddy

8. Operator Name and Address:
YATES PETROLEUM CORPORATION
105 S 4TH ST
ARTESIA 88210

9. OGRID: 25575

10. Phone Number:

11. Last Fracture Date: 2/15/2016 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 54600

14. Gross Fractured Interval: 8,774 ft to 15,374 ft

15. True Vertical Depth (TVD): 8,353 ft

16. Total Volume of Fluid Pumped: 8,943,867 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)
FORMIC ACID 90%	Halliburton	Base Fluid	NA	NA	0%	0%
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	86.70824%
BC-140 X2, BE-9, Cla-Web (TM), FR-66, MO-67, OPTIFL	Halliburton	Additive, Biocide, Breaker, Concentrate, Friction Reducer, Gelling Agent, Initiator, pH Control Addi	NA	NA	0%	0%
3rd Party Additive, 3rd Party Scale Inh, 3rd Party	Halliburton	Additive, Scale Inhibitor, Surfactant	NA	NA	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Alcohols ethoxylated	Confidential	5%	0.00069%
			alkyl hydroxymethyl benzyl ammonium chloride	Proprietary	5%	0.00431%
			Amide	Confidential	5%	0.00069%
			Amine salts	Confidential	0%	0%
			ammonium chloride	12125-02-9	10%	0.00246%
			Ammonium chloride	12125-02-9	5%	0.00069%
			Ammonium salt	Confidential	60%	0.02807%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00639%
			C.I. Pigment Red 5	6410-41-9	1%	0%
			citrus,extract	94266-47-4	10%	0.00863%
			Crystalline silica, quartz	14808-60-7	100%	11.50162%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00013%
			Cured acrylic resin	Confidential	30%	0.00141%
			Enzyme	Confidential	5%	0.00023%
			ethoxylated alcohols	Proprietary	5%	0.00431%
			Ethylene glycol	107-21-1	30%	0.01247%
			Formic acid	64-18-6	100%	1.39013%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.00653%
			Guar gum	9000-30-0	100%	0.12788%
			hemicellulase	9012-54-8	5%	0%
			Hexamethylenetetramine	100-97-0	2%	0.04452%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00415%
			Isopropanol	67-63-0	30%	0.02589%
			Monoethanolamine borate	26038-87-9	100%	0.04157%
			Phenol / formaldehyde resin	9003-35-4	5%	0.11131%
			Polyacrylamide copolymer	Confidential	30%	0.00415%
			Quaternary amine	Confidential	5%	0.00285%
			Silica gel	112926-00-8	1%	0.00128%
			Sodium chloride	7647-14-5	5%	0.0031%
			Sodium hydroxide	1310-73-2	30%	0.00192%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00154%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1%	0.00014%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00014%
			Surfactant mixture	Confidential	1%	0.00256%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00412%
			Walnut hulls	NA	100%	0.00454%
			Water	7732-18-5	100%	0.23737%

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: Tina Huerta Title: Regulatory Reporting Supervisor

Date: 4/5/2016

E-mail Address: tinah@ypcnm.com

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