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.: 30-025-42214
2. Well Name: RESOLUTE BTO FEDERAL #001H
3. Well Number: 001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location: Unit A: Lot: - Section: 12 Township: 25S Range: 32E; Feet from: 50 N/S Line: N; Feet from: 440 E/W Line: E
5. Bottom Hole Location: Unit A: Lot: - Section: 12 Township: 25S Range: 32E; Feet from: 330 N/S Line: E; Feet from: 438 E/W Line: E
6. Latitude: 32.064991951706 Longitude: -103.621136626587
7. County: Lea

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

9. OGRID: 25575
10. Phone Number:

11. Last Fracture Date: 5/22/2015 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 96210
14. Gross Fractured Interval: 10,783 ft - 15,067 ft; 4,283 ft
15. True Vertical Depth (TVD): 10,783 ft
16. Total Volume of Fluid Pumped: 4,189,540 gals
17. Total Volume of Re-Use Water Pumped: NO
18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed

19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:

Trade Name	Supplier	Purpose	Ingredients	CAS # (if Chemical Abstract Service #)	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
FE Acid < 10%	Halliburton	Base Fluid	NA	NA	0%	0%
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	84.85061%
BC-140 X2, BE-9 MICROBIOCIDE, BE-9, CLA-STA XP ADD	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Stabilizer Concentrate, Corrosion Inhibitor, Fnct	NA	NA	0%	0%
PROP-PREMIUM-20/40, BULK, Scratchin(R)LP-65 Scale	Halliburton	Microbiocide, pH Control Additive, Proppant, Scale Inhibitor, Scale Preventer, Surfactant	NA	NA	0%	0%
DC-251 Paraffin Inh	Performance Chemical Company	Paraffin Inhibitor	NA	NA	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfon 1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	0%
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0%
			a-Octadecanamide, n,n-bis-2 (hydroxy-ethyl)- (Z)	93-83-4	5%	0.00042%
			Alcohols, C12-16, ethoxylated	68551-12-2	10%	0.00083%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00092%
			Alkane	Confidential	1%	0%
			Aluminum oxide	1344-28-1	5%	0.63180%
			Aluminum silicate	1302-76-7	10%	1.26369%
			Aluminum silicate	1302-76-7	100%	0.19876%
			Amine salts	Confidential	31%	0.00026%
			Ammonium chloride	12125-02-9	10%	0.00083%
			Ammonium persulfate	7727-54-0	100%	0.00915%
			Ammonium salt	Confidential	60%	0.02718%
			Bentonite, benzyltrihydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00922%
			Complex alkylamine	Proprietary	5%	0%
			Crystalline silica, cristobalite	14464-46-1	50%	0.69174%
			Crystalline silica, quartz	14808-60-7	30%	0.00274%
			Cupric chloride dihydrate	10125-13-0	0.5%	0.00092%
			Cured acrylic resin	Confidential	30%	0.00274%
			Ethylene glycol	107-21-1	30%	0.01419%
			Ethylenediaminetetraacetic acid tetrasodium salt	64-02-8	0.01%	0%
			Fatty acid ester	Confidential	5%	0.00042%
			Fatty acids, tall oil	Confidential	30%	0.00092%
			Formaldehyde	50-00-0	1%	0.00024%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.00378%
			Guar gum	9000-30-0	100%	0.18448%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00249%
			Inorganic salt	Confidential	30%	0.00249%
			Iron oxide	1309-37-1	1%	0.12637%
			Methanol	67-56-1	60%	0.00165%
			Monoethanolamine borate	26038-87-9	100%	0.04776%
			Mullite	1302-93-8	100%	0.19876%
			Naphthalene	91-20-3	2%	0.00055%
			n-Dodecylpyridinium	27178-32-2	5%	0.00378%
			NFDB FE Acid > 10%	NFDB FE Acid > 10%	100%	1.26369%
			NFDB OLIFERM FMM-2	NFDB OLIFERM FMM-2	100%	0%
			Olefins	Confidential	5%	0.00037%
			Organic phosphonate	Confidential	60%	0.01431%
			Polyoxyl-2,-2-ethanediyl), alpha -(oxidecyl- omega -hydroxy-	61827-42-7	30%	0.00055%
			Poly-1,2-ethanediyl Alpha (4-nonylphenl) omega hydroxy- branched nonyl	127087-87-0	7%	0.00357%
			Polymer	Confidential	30%	0.00249%
			Polyoxyethylenoxyhxdn, trimethyl- amine quaternized	61839-31-4	60%	0.00565%
			Propargyl alcohol	107-19-7	10%	0.00031%
			Quaternary amine	Confidential	5%	0.00276%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00092%
			Silica	112926-00-8	1%	0.00158%
			Silica, amorphous - fumed	7631-86-9	30%	0.05823%
			Sintered bauxite	1318-16-7	100%	12.63694%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	5%	0.00255%
			Sodium hydroxide	1310-73-2	30%	0.00249%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00622%
			Sodium persulfate	7775-27-1	100%	0.00097%
			Sodium sulfate	7757-82-6	0.1%	0%
			Sodium sulfite	7757-83-7	5%	0.00276%
			Titanium dioxide	13463-67-7	1%	0.12637%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00255%
			Trimethylamine, N-oxide	1184-78-7	5%	0.00047%
			Water	7732-18-5	100%	0.13997%
			Xylene	1330-20-7	2%	0.00102%

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: 6/18/2015
E-mail Address: tinah@yatespm.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.