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.: 30-015-40523
2. Well Name: ANTWEIL ANU FEDERAL #003H
3. Well Number: 003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location: Unit O Lot O Section 19 Township 19S Range 30E; Feet from 330 N/S Line S; Feet from 1990 E/W Line E
5. Bottom Hole Location: Unit B Lot O Section 19 Township 19S Range 30E; Feet from 331 N/S Line N; Feet from 1972 E/W Line E
6. latitude: 32.6395967033749 longitude: -104.009243616976
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: 12/26/2014 Frac Performed by: Schlumberger
12. Production Type: O
13. Pool Code: 96600
14. Gross Fracture Interval: 7,650 ft to 12,669 ft
15. True Vertical Depth (TVD): 8,325 ft
16. Total Volume of Fluid Pumped: 4,136,067 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)
YF100Flex	Schlumberger	Acid Corrosion Inhibitor A266, Bactericide (Myacide GA25), Demulsifier, Surfactant , Acid, Breaker,	Water (Including Mix Water Supplied by Client)*		0%	85.09489%
			Crystalline silica	14808-60-7	93.59742%	13.94931%
			Phenolic resin	9003-35-4	4.30506%	0.64167%
			Hydrocloric acid	7647-01-0	1.48516%	0.22131%
			Guar gum	9000-30-0	1.24828%	0.18606%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.49717%	0.06993%
			Glutaraldehyde	111-30-8	0.07788%	0.01161%
			Ethylene glycol	107-21-1	0.06647%	0.00991%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.06217%	0.00927%
			Potassium borate	1332-77-0	0.05438%	0.00811%
			Propan-2-ol	67-63-0	0.05137%	0.00766%
			Alcohols, c11-15-secondary, ethoxylated	68131-40-8	0.04369%	0.00654%
			Tetraiodium ethylenediaminetetraacetate	64-02-8	0.03907%	0.00582%
			Polyethylene glycol monohexyl ether	31726-34-8	0.03371%	0.00502%
			Diammonium peroxidisulphate	7727-54-0	0.02322%	0.00346%
			Potassium hydroxide	1310-58-3	0.02001%	0.003%
			1, 2, 3 - Propanetriol	56-81-5	0.01846%	0.00275%
			Sodium chloride	7647-14-5	0.01256%	0.00187%
			Sodium erythorbate	6381-77-7	0.01001%	0.00149%
			CALCIUM CHLORIDE	10043-52-4	0.00634%	0.00095%
			Sodium Glycolate (impurity)	2836-32-0	0.00317%	0.00047%
			Non-crystaline silica (impurity)	7631-86-9	0.00313%	0.00047%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00195%	0.00029%
			Tetrakis(hydroxymethyl)phosphonium sulfate	55566-30-8	0.00169%	0.00025%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00163%	0.00024%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00141%	0.00021%
			Sodium hydroxide (impurity)	1310-73-2	0.00139%	0.00021%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00129%	0.00019%
			Isodecanol with 7 Moles Ethylene Oxide	26183-52-8	0.0011%	0.00016%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00106%	0.00016%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00106%	0.00016%
			Cinnamaldehyde	104-55-2	0.00072%	0.00011%
			2,2'-oxydiethanol (impurity)	111-46-6	0.00067%	0.0001%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00053%	0%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.00036%	0%
			Crosslinked POEO select polymer	69123-18-2	0.00029%	0%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00021%	0%
			Potassium chloride (impurity)	7447-40-7	0.0002%	0%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00014%	0%
			Dodecyl peroxydiethylenyl ether	9002-92-0	0%	0%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0%	0%
			Glycols, polyethylene, monoletradecyl ether	27306-79-2	0%	0%
			Magnesium silicate hydrate (talc)	14807-96-6	0%	0%
			poly(ethylfuroicethylene)	9002-84-0	0%	0%
			Ethanol	64-17-5	0%	0%
			Potassium oleate	143-18-0	0%	0%
			Oleic acid	112-80-1	0%	0%
			Acetic acid, potassium salt	127-08-2	0%	0%
			Acetic acid	64-19-7	0%	0%
			1,4-Dioxane	123-91-1	0%	0%
			Oxirane	75-21-8	0%	0%
			Propylene oxide	75-56-9	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: Tina Huerta
Title: Regulatory Reporting Supervisor
Date: 3/11/2015
E-mail Address: tinah@ypcnm.com

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