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. 30-025-41648
2. Well Name: MAMBA BQN STATE COM #002H
3. Well Number: 002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:C Lot:C Section:31 Township:24S Range:33E; Feet from:175 N/S Line:N; Feet from:2230 E/W Line:W
5. Bottom Hole Location: Unit:C Lot:C Section:30 Township:24S Range:33E; Feet from:297 N/S Line:N; Feet from:1978 E/W Line:W
6. latitude: 32.1809018010372 longitude: -103.612683787641
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: 6/19/2014 Frac Performed by: Schlumberger
12. Production Type: O
13. Pool Code(s): 97964
14. Gross Fractured Interval: 11,576 ft to 15,942 ft
15. True Vertical Depth (TVD): 11,062 ft
16. Total Volume of Fluid Pumped: 3,031,489 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)
WF100:15% ACID:YF120 FLEX D	Schlumberger	Proppant Transport, Acid	Water (Including Mix Water Supplied by Client)*		0%	85.83202%
			Ceramic materials and wares, chemicals	66402-68-4	80.18314%	11.36033%
			Crystalline silica	14808-60-7	18.28778%	2.59101%
			Phenolic resin	9003-35-4	0.94248%	0.13353%
			Guar gum	9000-30-0	0.39328%	0.05572%
			Sodium erythorbate	6381-77-7	0.17536%	0.02485%
			Propan-2-ol	67-63-0	0.07378%	0.01045%
			Alcohols, c11-15-secondary, ethoxylated	68131-40-8	0.06835%	0.00968%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.06393%	0.00906%
			Diammonium peroxidisulphate	7727-54-0	0.06306%	0.00893%
			Polyethylene glycol monohexyl ether	31726-34-8	0.0235%	0.00333%
			Glutaraldehyde	111-30-8	0.02304%	0.00326%
			Cholinium chloride	67-48-1	0.01589%	0.00225%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01025%	0.00145%
			Methanol	67-56-1	0.0072%	0.00102%
			Fatty acids, tall-oil	61790-12-3	0.00528%	0.00075%
			Sodium Glycolate (impurity)	2836-32-0	0.00518%	0.00073%
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00435%	0.00062%
			Ethane-1,2-diol	107-21-1	0.00311%	0.00044%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.00299%	0.00042%
			Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	0.00245%	0.00035%
			Sodium carbonate	497-19-8	0.00239%	0.00034%
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00202%	0.00029%
			Sodium hydroxide	1310-73-2	0.00174%	0.00025%
			Glycerol	56-81-5	0.00174%	0.00025%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00173%	0.00024%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00173%	0.00024%
			Crosslinked PO/EO-block polymer	68123-18-2	0.00157%	0.00022%
			Prop-2-yn-1-ol	107-19-7	0.00135%	0.00019%
			Non-crystalline silica	7631-86-9	0.00107%	0.00015%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00098%	0.00014%
			Alkenes, C>10 a-	64743-02-8	0.0009%	0.00013%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00086%	0.00012%
			Sodium chloride	7647-14-5	0.00061%	0%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.00052%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.00052%	0%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00052%	0%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00031%	0%
			Calcium chloride	10043-52-4	0.00028%	0%
			Dioctyl sulfosuccinate sodium salt	577-11-7	0.00024%	0%
			poly(tetrafluoroethylene)	9002-84-0	0.00013%	0%
			Propylene glycol	57-55-6	0%	0%
			Hydrogen chloride	7647-01-0	0%	0%
			2,2'-oxydiethanol	111-46-6	0%	0%
			2-ethylhexan-1-ol	104-76-7	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%

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: 8/5/2014

E-mail Address: tinah@ypcnm.com

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