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. 30-025-41562
2. Well Name: TANGO BTP STATE COM #004H
3. Well Number: 004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:A Lot:A Section:36 Township:20S Range:33E Feet from:200 N/S Line:N Feet from:660 E/W Line:E
5. Bottom Hole Location: Unit:A Lot:A Section:36 Township:20S Range:33E Feet from:230 N/S Line:S Feet from:671 E/W Line:E
6. latitude: 32.5362736127469 longitude: -103.610301283992
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: 9/29/2014 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 97995
14. Gross Fractured Interval: 11,566 ft to 15,767 ft
15. True Vertical Depth (TVD): 10,735 ft
16. Total Volume of Fluid Pumped: 3,218,272 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)
Fresh Water	Operator				100%	92.95364%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.62915%
PROP-CERAMIC PLUS-30/50	Halliburton			14808-60-7	100%	1.18597%
SAND-CRC PREMIUM-20/40	Halliburton			14808-60-7	100%	3.23716%
LOSURF-360	Halliburton			Confidential Business Information	100%	0%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00132%
			Potassium metaborate	13709-94-9	60%	0.01585%
ACTIVATOR-USA	Halliburton	Activator	Alcohols, C-9 to C-11, ethoxylated	67-63-0	60%	0.01997%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.05033%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00623%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0041%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.03234%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01748%
LP-65 MC	Halliburton	Scale Inhibitor	Ammonium chloride	12125-02-9	10%	0.00551%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.0068%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00928%
			Crystalline silica, quartz	14808-60-7	30%	0.00278%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00051%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02411%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.22888%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00011%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00121%
Parasorb 5000	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	60%	51.724138%
			White Mineral Oil	8042-47-5	30%	25.862069%
			Silica, Crystalline-Quartz	14808-60-7	1%	0.862069%
Ingredients Listed Below This Line Are Part of the			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Acrylate polymer	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	Confidential Business Information	0%	0%
			Citric acid	77-92-9	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	0%	0%
† Proprietary Technology					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: 11/10/2014

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.