

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:
30-025-40517

2. Well Name:
MANGO BRM STATE #001H

3. Well Number:
001H

4. Surface Hole Location:
Unit:C Lot:C Section:27 Township:20S Range:35E
Feet from:100 N/S Line:N
Feet from:2310 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:C Section:27 Township:20S Range:35E
Feet from:268 N/S Line:S
Feet from:1977 E/W Line:W

6. latitude: 32.5511182857829 longitude: -103.446146408905

7. County:
Lea

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

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

9. OGRID:
25575

10. Phone Number:

11. Last Fracture Date: 10/4/2014 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
24250

14. Gross Fractured Interval:
10,914 ft to 15,270 ft

15. True Vertical Depth (TVD):
10,637 ft

16. Total Volume of Fluid Pumped:
3,145,375 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	Base Fluid	Fresh Water	7732-18-5		83.4811%
FE ACID - >10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0		0.59888%
CERAMIC PROP PLUS	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1		1.79255%
			Mullite	1302-93-8		5.97515%
			Silica, amorphous - fumed	7631-86-9		1.79255%
CERAMIC PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1		1.51704%
			Mullite	1302-93-8		5.05679%
			Silica, amorphous - fumed	7631-86-9		1.51704%
CRC SAND PREMIUM	Halliburton	Proppant	Crystalline silica, quartz	14803-60-7		2.83824%
			Hexamethylenetetramine	100-97-0		0.05676%
			Phenol / formaldehyde resin	9003-35-4		0.14191%
LOSURF-360	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-, omega.-hydroxy-, complex, alkylamine	61827-42-7		0.02166%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8		0.00355%
Scalechek LP-65 Scale Inhibitor	Halliburton	Scale Inhibitor	Ammonium chloride	12125-02-9		0.0043%
Cla-Web	Halliburton	Additive	Ammonium salt	Confidential		0.02769%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4		0.04878%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3		0.00091%
			Potassium metaborate	13709-94-9		0.01096%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4		0.01609%
ACTIVATOR-USA	Halliburton	Activator	Isopropanol	67-63-0		0.01532%
			Alcohols, C-9 to C-11, ethoxylated	69439-46-3		0.01838%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2		0.00915%
HAL-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1		0.00191%
			Propargyl alcohol	107-19-7		0.00032%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1		0.00046%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0		0.00842%
Scalechek SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Crystalline silica, quartz	14803-60-7		0.00253%
			Glassy calcium magnesium phosphate	65997-17-3		0.02228%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0		0.0125%
BE-8 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7		0.00014%
PARASORB 5000	Baker Hughes	Paraffin Inhibitor	Diatomaceous earth, calcined	91053-39-3		0.01079%
			Mineral oil	8042-47-5		0.00635%
			Crystalline silica, Quartz (SiO2)	14803-60-7		0.00021%
			Calcined Diatomaceous Earth	91053-39-3		51.724138%
			White Mineral Oil	8042-47-5		25.382969%
			Silica, Crystalline-Quartz	14803-60-7		1%
			Acetic acid	64-19-7		0%
			Acetic anhydride	108-24-7		0%
			Acrylic polymer	Confidential		0%
			Alcohols, C14-C15, ethoxylated	68951-67-7		0%
			Aluminum Silicate	1302-76-7		0%
			Alkane	Confidential		0%
			Amine salts	Confidential		0%
			Amine salts	Confidential		0%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4		0%
			Borate salts	Confidential		0%
			Citric acid	77-92-9		0%
			Crystalline silica, quartz	14803-60-7		0%
			Cured acrylic resin	Confidential		0%
			Diatomaceous earth	61790-53-2		0%
			Ethylene diamine tetraacetic acid, tetrasodium salt	64-02-8		0%
			Fatty acids, tall oil	Confidential		0%
			Formaldehyde	50-00-0		0%
			Hexamethylenetetramine	100-97-0		0%
			Iron oxide	1309-37-1		0%
			Oilfins	Confidential		0%
			Oilfins	Confidential		0%
			Oilfins	Confidential		0%
			Organic phosphonate	Confidential		0%
			Phenol	108-95-2		0%
			Phenol / formaldehyde resin	9003-35-4		0%
			Quaternary amine	Confidential		0%
			Quaternary amine	Confidential		0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	65527-49-1		0%
			Silica gel	112926-00-8		0%
			Sodium bicarbonate	144-55-6		0%
			Sodium carboxymethyl cellulose	9004-32-4		0%
			Sodium chloride	7647-14-5		0%
			Sodium glycolate	2836-32-0		0%
			Sodium sulfate	7757-82-6		0%
			Surfactant mixture	Confidential		0%
			Surfactant mixture	Confidential		0%
			Titanium dioxide	13463-67-7		0%
			Trimethylamine, N-oxide	1184-78-7		0%
			Water	7732-18-5		0%
			Ethylene Based Polymer	Trade Secret		0%
			Proprietary Paraffin Inhibitor	Trade Secret		0%

† Proprietary Technology

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

Regulatory Reporting Title: Supervisor

Date: 11/10/2014

E-mail Address: tina@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.