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.
30-015-39733

2. Well Name:
MARTHA AIK FEDERAL #008H

3. Well Number:
008H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:A Section:11 Township:22S Range:31E
Feet from:430 N/S Line:N
Feet from:200 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:A Section:11 Township:22S Range:31E
Feet from:497 N/S Line:N
Feet from:1650 E/W Line:W

6. latitude: 32.4121203441926 longitude: -103.740702896303

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: 12/16/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
39360

14. Gross Fractured Interval:
8,543 ft to 11,420 ft

15. True Vertical Depth (TVD):
8,227 ft

16. Total Volume of Fluid Pumped:
1,314,437 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%	84.31641%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.60063%
PREMIUM PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	5%	0.52624%
			Sintered bauxite	1318-16-7	100%	10.52475%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.71028%
			Hexamethylenetetramine	100-97-0	2%	0.05421%
			Phenol / formaldehyde resin	9003-35-4	5%	0.13551%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.0075%
			Monoethanolamine borate	26038-87-9	100%	0.025%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.00306%
FDP-S1007-11	Halliburton	Surfactant	Citrus, extract	94266-47-4	10%	0.00403%
			Isopropanol	67-63-0	30%	0.0121%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00414%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01028%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00029%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.03445%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.03445%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00383%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00028%
			Ammonium sulfate inorganic salt	Confidential Business Information	30%	0.00169%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00634%
			Ammonium acetate	631-61-8	100%	0.02112%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18819%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00031%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00234%
			Walnut hulls	Mixture	100%	0.00781%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01181%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00072%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Acrylamide copolymer	108388-79-0	0%	0%
			Aluminum oxide	1344-28-1	0%	0%
			Aluminum silicate	1302-76-7	0%	0%
			Amine salt	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%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Defoamer	63148-62-9	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Glycerine	56-81-5	0%	0%
			Iron oxide	1309-37-1	0%	0%
			Modified acrylamide copolymer	153568-80-0	0%	0%
			Modified acrylate polymer	54076-97-0	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%
			Silica, amorphous - fumed	7631-86-9	0%	0%
			Sodium acetate	127-09-3	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Titanium dioxide	13463-67-7	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	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: 1/17/2014

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.