

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 February 15, 2012

HYDRAULIC FRACTURING FLUID  
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:  
Unit:D   Lot:D   Section:16   Township:24S   Range:33E  
Feet from:200   N/S Line:N  
Feet from:825   E/W Line:W

5. Bottom Hole Location:  
Unit:D   Lot:D   Section:16   Township:24S   Range:33E  
Feet from:200   N/S Line:N  
Feet from:825   E/W Line:W

6. Latitude:  
32.2243799158734   Longitude:  
-   103.583104145624

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:   8/4/2013   Frac Performed by: Halliburton

12. Production Type:  
O

13. Pool Code(s):  
96674

14. Gross Fractured Interval:  
11,629 ft to 15,656 ft

15. True Vertical Depth (TVD):  
11,189 ft

16. Total Volume of Fluid Pumped:  
3,151,144 gals

17. 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	Water	7732-18-5	100%	85.76373%
HYDROCHLORIC ACID 10-30%	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	0.63322%
RC PREMIUM PROP PLUS	Halliburton	Proppant	Aluminum oxide	1344-28-1	100%	11.58352%
			Crystalline silica, cristobalite	14464-46-1	5%	0.57918%
			Iron oxide	1309-37-1	30%	3.47506%
			Titanium dioxide	13463-67-7	5%	0.57918%
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.0041%
			Glycerine	56-81-5	10%	0.0082%
			Poly(oxy-1,2-ethanediyl), alpha-isodecyl-omega-hydroxy-	61827-42-7	30%	0.0246%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00453%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01352%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02655%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04489%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00136%
			Potassium metaborate	13709-94-9	60%	0.01627%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00726%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18994%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00369%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00869%
			Crystalline silica, quartz	14808-60-7	30%	0.00261%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01946%
Ingredients Listed Below This Line Are Part of the			Acrylate polymer	Confidential Business Information	0%	0%
			Alkane	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%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Formaldehyde, polymer with 4-nonylphenol and phenol	40404-63-5	0%	0%
			Formaldehyde-4,4'-isopropylidene diphenol	25085-75-0	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Mullite	1302-93-8	0%	0%
			Nitrotriactic acid, trisodium salt monohydrate	5064-31-3	0%	0%
			Phenol	108-95-2	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 bicarbonate	144-55-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	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%

18. 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

Date:   9/10/2013

E-mail Address:   tinah@ypcnm.com

Regulatory Reporting Title:   Supervisor

NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.