

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:
30-015-40426

2. Well Name:
ANTWEIL ANU FEDERAL #004H

3. Well Number:
004H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:29 Township:19S Range:30E
Feet from:860 N/S Line:S
Feet from:660 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:29 Township:19S Range:30E
Feet from:860 N/S Line:S
Feet from:660 E/W Line:W

6. Latitude:
32.6265299889936 Longitude:
-104.00064806381

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:
10/16/2013 Frac Performed by:
Halliburton

12. Production Type:
O

13. Pool Code(s):
49622

14. Gross Fractured Interval:
8,865 ft to 14,975 ft

15. True Vertical Depth (TVD):
8,496 ft

16. Total Volume of Fluid Pumped:
3,967,739 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%	82.84888%
HYDROCHLORIC ACID 5-10%	Halliburton		Hydrochloric acid	7647-01-0	10%	0.18894%
Premium White 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.61283%
CRC 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.16039%
			Hexamethylenetetramine	100-97-0	2%	0.06321%
			Phenol / formaldehyde resin	9003-35-4	5%	0.15802%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01655%
			Monoethanolamine borate	26038-87-9	100%	0.05517%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02436%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0018%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00019%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02503%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02503%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00924%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00038%
			Ammonium sulfate inorganic salt	Confidential Business Information	30%	0.00226%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.0028%
LoSurf-360	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.00405%
			Poly(oxy-1,2-ethanediyl), alpha.-isodecyl.-omega.-hydroxy-	61827-42-7	30%	0.02428%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19658%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0021%
			Walnut hulls	Mixture	100%	0.007%
Scalecheck® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02073%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00122%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00012%
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%
			Alkane	Confidential Business Information	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%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Glycerine	56-81-5	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Modified acrylamide copolymer	153568-80-0	0%	0%
			Modified acrylate polymer	54076-97-0	0%	0%
			Nitrotriactic acid, trisodium salt monohydrate	5064-31-3	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 bicarbonate	144-55-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	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%

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

Date: 12/12/2013

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.