

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:
30-025-41055

2. Well Name:
ATOKA BANK BDJ STATE COM #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒Original

☐Amendment

4. Surface Hole Location:
Unit:B Lot:B Section:17 Township:24S Range:33E
Feet from:200 N/S Line:N
Feet from:1780 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:17 Township:24S Range:33E
Feet from:200 N/S Line:N
Feet from:1780 E/W Line:E

6. latitude:
32.2243945377197 longitude: -
103.591568184971

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: 4/29/2014 Frac Performed by: Schlumberger

12. Production Type:
O

13. Pool Code(s):
96674

14. Gross Fractured Interval:
11,415 ft to 15,675 ft

15. True Vertical Depth (TVD):
11,188 ft

16. Total Volume of Fluid Pumped:
2,863,370 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)
15% HCL, WF 110, YF 120 FlexD	Schlumberger	Proppant Transport	Water (Including Mix Water Supplied by Client)*	NA		84.0055%
			Ceramic materials and wares, chemicals	66402-68-4	73.59825%	11.77168%
			Crystalline silica	14808-60-7	20.3421%	3.25362%
			Hydrochloric acid	7647-01-0	2.18199%	0.349%
			Guar gum	9000-30-0	1.16293%	0.186%
			Phenolic resin	9003-35-4	1.04835%	0.16768%
			Cholinium chloride	67-48-1	0.44944%	0.07189%
			Ethane-1,2-diol	107-21-1	0.36903%	0.05902%
			Isopropanol	67-63-0	0.2264%	0.03621%
			Alcohols, c11-15-secondary, ethoxylated	68131-40-8	0.21241%	0.03397%
			Diammonium peroxidisulphate	7727-54-0	0.18812%	0.03009%
			Sodium hydroxide	1310-73-2	0.0839%	0.01342%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06537%	0.01046%
			Glutaraldehyde	111-30-8	0.05954%	0.00952%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.05868%	0.00939%
			Gum, xanthan	11138-66-2	0.05136%	0.00821%
			Sodium tetraborate	1330-43-4	0.03288%	0.00526%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.03056%	0.00489%
			Sodium erythorbate	6381-77-7	0.01429%	0.00229%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.00907%	0.00145%
			Sodium carbonate	497-19-8	0.00659%	0.00105%
			Sodium Glycolate (impurity)	2836-32-0	0.00476%	0.00076%
			Non-crystalline silica	7631-86-9	0.00317%	0.00051%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00285%	0.00046%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00272%	0.00044%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00238%	0.00038%
			Glycerol	56-81-5	0.00204%	0.00033%
			Sodium chloride	7647-14-5	0.00186%	0.0003%
			Crosslinked PO/EO-block polymer	68123-18-2	0.00184%	0.00029%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.0016%	0.00026%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00159%	0.00025%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00159%	0.00025%
			Cinnamaldehyde	104-55-2	0.00104%	0.00017%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00093%	0.00015%
			Calcium chloride	10043-52-4	0.00086%	0.00014%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00079%	0.00013%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.00061%	0.0001%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.00061%	0.0001%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00061%	0.0001%
			poly(tetrafluoroethylene)	9002-84-0	0.0004%	0%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.0003%	0%
			Diocetyl sulfosuccinate sodium salt	577-11-7	0.00029%	0%
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.00013%	0%
			2,2'-oxydiethanol	111-46-6	0.0001%	0%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	0%	0%
			Propylene glycol	57-55-6	0%	0%
			2-ethylhexan-1-ol	104-76-7	0%	0%
			Potassium oleate	143-18-0	0%	0%
			Oleic acid	112-80-1	0%	0%
			Acetic acid, potassium salt	Ge0eral	0%	0%
Acetic acid	64-19-7	0%	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

Date: 6/1/2014

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.