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.
30-025-40630

2. Well Name:
BERRY APN STATE #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:R Lot:J Section:5 Township:21S Range:34E
Feet from:2500 N/S Line:S
Feet from:1980 E/W Line:E

5. Bottom Hole Location:
Unit:R Lot:15 Section:5 Township:21S Range:34E
Feet from:2500 N/S Line:S
Feet from:1980 E/W Line:E

6. latitude: 32.507500854036 longitude: -103.489830101955

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: 1/7/2014 Frac Performed by: Schlumberger

12. Production Type:
O

13. Pool Code(s):
5535

14. Gross Fractured Interval:
10,992 ft to 15,476 ft

15. True Vertical Depth (TVD):
10,785 ft

16. Total Volume of Fluid Pumped:
3,017,417 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)
WF110, YF120FlexD, HCL 15%	Schlumberger	Corrosion Inhibitor, Bactericide (Green-Cide 25G), Acid, Breaker, Gelling Agent, Crosslinker, Iron C	Water (Including Mix Water Supplied by Client)*	NA	0%	85.83434%
			Ceramic materials and wares, chemicals	66402-68-4	93.82178%	13.29048%
			Hydrogen chloride	7647-01-0	2.67843%	0.37942%
			Guar gum	9000-30-0	1.13504%	0.16079%
			Ethane-1,2-diol	107-21-1	0.52184%	0.07392%
			Cholinium chloride	67-48-1	0.48624%	0.06888%
			Diammonium peroxidisulphate	7727-54-0	0.24512%	0.03472%
			Sodium erythorbate	6381-77-7	0.20332%	0.0288%
			Propan-2-ol	67-63-0	0.09116%	0.01291%
			Glutaraldehyde	111-30-8	0.08314%	0.01178%
			Sodium hydroxide	1310-73-2	0.07629%	0.01081%
			Gum, xanthan	11138-66-2	0.07454%	0.01056%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.07008%	0.00993%
			Sodium tetraborate	1330-43-4	0.04771%	0.00676%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.0365%	0.00517%
			Glycerol	56-81-5	0.03023%	0.00428%
			Crosslinked PO/EO-block polymer	68123-18-2	0.02735%	0.00387%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.00911%	0.00129%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.00909%	0.00129%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00901%	0.00128%
			Methanol	67-56-1	0.00878%	0.00124%
			Fatty acids, tall-oil	61790-12-3	0.00645%	0.00091%
			Sodium Glycolate (impurity)	2836-32-0	0.00568%	0.0008%
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00531%	0.00075%
			Dioctyl sulfosuccinate sodium salt	577-11-7	0.00425%	0.0006%
			Non-crystalline silica	7631-86-9	0.00309%	0.00044%
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00247%	0.00035%
			Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	0.00246%	0.00035%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00189%	0.00027%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00189%	0.00027%
			Prop-2-yn-1-ol	107-19-7	0.00165%	0.00023%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00111%	0.00016%
			Alkenes, C>10 a-	64743-02-8	0.0011%	0.00016%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00095%	0.00013%
			Propylene glycol	57-55-6	0.00091%	0.00013%
			poly(tetrafluoroethylene)	9002-84-0	0.00047%	0%
			2-ethylhexan-1-ol	104-76-7	0.00012%	0%
			Potassium oleate	143-18-0	0%	0%
			Oleic acid	112-80-1	0%	0%
			Acetic acid, potassium salt	127-08-2	0%	0%
			Acetic acid	64-19-7	0%	0%
† Proprietary Technology					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: 3/4/2014

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.