

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:
30-025-41054

2. Well Name:
YARROW BHY STATE #004H

3. Well Number:
004H

4. Surface Hole Location:
Unit:B Lot:B Section:32 Township:23S Range:33E
Feet from:475 N/S Line:N
Feet from:2043 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:32 Township:23S Range:33E
Feet from:475 N/S Line:N
Feet from:2043 E/W Line:E

6. latitude: longitude:
32.2671759771734 -
103.592424110676

7. County:
Lea

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

8. Operator Name and Address:
YATES PETROLEUM CORPORATION
105 S 4TH ST
ARTESIA 88210

9. OGRID: 25575

10. Phone Number:

11. Last Fracture Date: 3/25/2014 Frac Performed by: Schlumberger

12. Production Type:
O

13. Pool Code(s):
59900

14. Gross Fractured Interval:
11,623 ft to 15,322 ft

15. True Vertical Depth (TVD):
11,156 ft

16. Total Volume of Fluid Pumped:
2,706,917 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, WF110, YF120FlexD	Schlumberger	Proppant Transport	Water(Including Mix Water Supplied by Client)		0%	84.52141%
			Ceramic materials and wares, chemicals	66402-68-4	74.51532%	11.53392%
			Crystalline silica	14808-60-7	19.68809%	3.04744%
			Hydrogen chloride	7647-01-0	2.25493%	0.34903%
			Phenolic resin	9003-35-4	1.01465%	0.15705%
			Guar gum	9000-30-0	0.93147%	0.14418%
			Cholium chloride	67-48-1	0.43769%	0.06775%
			Ethane-1, 2-diol	107-21-1	0.37664%	0.0583%
			Isopropanol	67-63-0	0.21255%	0.0329%
			Alcohols, c11-15-secondary, ethoxylated	68131-40-8	0.211%	0.03266%
			Diammonium peroxidisulphate	7727-54-0	0.1761%	0.02726%
			Glutaraldehyde	111-30-8	0.06816%	0.01055%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06584%	0.01019%
			Gum, xanthan	11138-66-2	0.04924%	0.00762%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.4706%	0.00728%
			Sodium tetraborate	1330-43-4	0.03152%	0.00488%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.03126%	0.00484%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.03061%	0.00474%
			Sodium erythorbate	6381-77-7	0.0145%	0.00224%
			Sodium Hydroxide	1310-73-2	0.00906%	0.0014%
			Methanol	67-56-1	0.00882%	0.00137%
			Fatty acids, tall-oil	61790-12-3	0.00648%	0.001%
			Sodium chloride	7647-14-5	0.00628%	0.00097%
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00533%	0.00083%
			Sodium Glycolate (impurity)	2836-32-0	0.00381%	0.00059%
			Calcium chloride	10043-52-4	0.0029%	0.00045%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00274%	0.00042%
			Non-crystalline silica	7631-86-9	0.00254%	0.00039%
			Alcohols, C14-15, ethoxylated (TEO)	68951-67-7	0.00248%	0.00038%
			Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	0.00247%	0.00038%
			Prop-2-yn-1-ol	107-19-7	0.000165%	0.00026%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00127%	0.0002%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00127%	0.0002%
			Alkenes, C>10 a	64743-02-8	0.0011%	0.00017%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00095%	0.00015%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00064%	0.0001%
			poly (tetrafluoroethylene)	9002-84-0	0.00041%	0%
			Glycerol	56-81-5	0.00033%	0%
			2,2'-oxydiethanol	111-46-6	0.00032%	0%
			Crosslinked PO/EO-block polymer	68123-18-2	0.0003%	0%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.0001%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.0001%	0%
			Methyl oxirane polymer with oxirane	9003-11-6	0.0001%	0%
			Diocyl sulfosuccinate sodium salt	577-11-7	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	127-08-2	0%	0%
			Acetic acid	64-19-7	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

Regulatory Reporting

Date: 5/30/2014 Title: Supervisor

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.