

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	
		1. WELL API NO: 30-015-39511	
		2. Well Name: HANAGAN APL FEDERAL COM #002H	
		3. Well Number: 002H	
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:L Lot:3 Section:31 Township:19S Range:30E Feet from:1600 N/S Line:S Feet from:330 E/W Line:W	
		5. Bottom Hole Location: Unit:L Lot:3 Section:31 Township:19S Range:30E Feet from:1600 N/S Line:S Feet from:330 E/W Line:W	
		6. latitude: longitude: 32.6140670611708 - 104.018800516955	
		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: 5/7/2012 Frac Performed by: Schlumberger	12. Production Type: O	
13. Pool Code(s): 49622	14. Gross Fractured Interval: 8,818 ft to 12,725 ft	
15. True Vertical Depth (TVD): 8,435 ft	16. Total Volume of Fluid Pumped: 48,163 bbls	
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)
7.5% HCl, Slickwater, WF105, YF120Flex	Schlumberger	Biocide,Break,Chelant,XL,Gel, Sand,Surf,Inhib,Demulsifier	Water (Including Mix Water Supplied by Client)*		0%	83.63426%
			Crystalline silica	14808-60-7	96.06102%	15.7211%
			Carbohydrate polymer	Proprietary	1.20387%	0.19702%
			Hydrochloric acid	7647-01-0	1.11978%	0.18326%
			Phenolic resin	9003-35-4	0.84208%	0.13781%
			Tetramethylammonium chloride	75-57-0	0.57485%	0.09408%
			Aliphatic polyol	Proprietary	0.46878%	0.07672%
			Diammonium peroxidisulphate	7727-54-0	0.26632%	0.04359%
			Potassium hydroxide	1310-58-3	0.23439%	0.03836%
			Propan-2-ol	67-63-0	0.15311%	0.02506%
			Oxyalkylated Alcohol (2)	Proprietary	0.15311%	0.02506%
			Polyethylene glycol monohexyl ether	31726-34-8	0.11458%	0.01875%
			Aliphatic co-polymer	Proprietary	0.09482%	0.01552%
			Glutaraldehyde	111-30-8	0.07459%	0.01221%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.03571%	0.00584%
			Heavy aromatic naphtha	64742-94-5	0.01654%	0.00271%
			Methanol	67-56-1	0.01634%	0.00267%
			Aliphatic alcohols, ethoxylated #2	Proprietary	0.01225%	0.00201%
			Aliphatic acids	Proprietary	0.01225%	0.00201%
			Sodium erythorbate	6381-77-7	0.00665%	0.00109%
			Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	0.00481%	0.00079%
			Prop-2-yn-1-ol	107-19-7	0.00408%	0.00067%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.00303%	0.0005%
			Sodium hydroxide	1310-73-2	0.00298%	0.00049%
			Naphthalene	91-20-3	0.00165%	0.00027%
			1,2,4 trimethylbenzene	95-63-6	0.00165%	0.00027%
			4-nonylphenol, ethoxylated	26027-38-3	0.00083%	0.00014%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.0006%	0.0001%
Alcohol ethoxylate C-10/16 with 6.5 EO	68002-97-1	0.00038%	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:	<u>Signed Electronically</u>	Printed Name: <u>Tina Huerta</u>
Date:	<u>7/3/2012</u>	Regulatory Compliance Title: <u>Supervisor</u>
E-mail Address:	<u>tinah@ypcnm.com</u>	

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.