

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: 30-015-39801				
		2. Well Name: HANAGAN APL FEDERAL COM #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:4 Section:31 Township:19S Range:30E Feet from:660 N/S Line:S Feet from:180 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:4 Section:31 Township:19S Range:30E Feet from:660 N/S Line:S Feet from:180 E/W Line:W				
		6. Latitude: 32.6114835628198 longitude: - 104.019294399909				
		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: 3/16/2014 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 49622		14. Gross Fractured Interval: 8,436 ft to 12,958 ft				
15. True Vertical Depth (TVD): 8,431 ft		16. Total Volume of Fluid Pumped: 2,446,359 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%	78.84914%
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.27349%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	13.78522%
CRC SAND PREMIUM	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	4.05249%
			Hexamethylenetetramine	100-97-0	2%	0.08105%
			Phenol / formaldehyde resin	9003-35-4	5%	0.20262%
LOSURF-360, 330 GALL	Halliburton				100%	0%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00366%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.03061%
ACTIVATOR W	Halliburton	Accelerator	Alcohols, C12-14-secondary, ethoxylated	84133-50-6	60%	0.04782%
			Methanol	67-56-1	60%	0.04782%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01852%
			Monoethanolamine borate	26038-87-9	100%	0.06172%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00712%
HPH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00014%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00776%
			Silica, amorphous precipitated	67762-90-7	30%	0.00233%
LP-65	Halliburton	Scale Inhibitor	Ammonium chloride	12125-02-9	10%	0.00672%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00014%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.21352%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00317%
			Walnut hulls	Mixture	100%	0.01055%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02512%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00077%
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%
			Alcohols, C12-14-secondary	126950-60-5	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%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Formaldehyde	50-00-0	0%	0%
			Organic phosphonate	Confidential Business Information	0%	0%
			Polyethylene glycol	25322-68-3	0%	0%
			Polypropylene glycol	25322-69-4	0%	0%
			Quaternary amine	Confidential Business Information	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%
			Sodium chloride	7647-14-5	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Water	7732-18-5	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		Regulatory Reporting Title: Supervisor				
Date: 6/2/2014						
E-mail Address: tinah@ypcnm.com						

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