

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					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO: 30-015-42975					
		2. Well Name: WHITE CITY 21 25 27 FEDERAL COM #005H					
		3. Well Number: 005H					
		4. Surface Hole Location: Unit:M Lot:M Section:21 Township:25S Range:27E Feet from:330 N/S Line:S Feet from:990 E/W Line:W					
5. Bottom Hole Location: Unit:M Lot:M Section:21 Township:25S Range:27E Feet from:330 N/S Line:S Feet from:990 E/W Line:W							
6. latitude: 32.109110922		longitude: -104.20029886					
7. County: Eddy							
8. Operator Name and Address: CHEVRON U S A INC Attn: Sandy Stedman-Daniel 1400 Smith Houston 77002		9. OGRID: 4323	10. Phone Number: 713-372-2978				
11. Last Fracture Date: 6/18/2015 Frac Performed by: Halliburton		12. Production Type: O					
13. Pool Code(s): 30216		14. Gross Fractured Interval: 7,908 ft to 12,038 ft					
15. True Vertical Depth (TVD): 7,457 ft		16. Total Volume of Fluid Pumped: 2,980,137 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	Base Fluid	Fresh Water	7732-18-5	100%	84.02924%	
FE Acid < 10%	Halliburton				100%	1.37838%	
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.925%	
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.28693%	
			Hexamethylenetetramine	100-97-0	2%	0.04574%	
			Phenol / formaldehyde resin	9003-35-4	5%	0.11435%	
LOSURF-360	Halliburton	Surfactant	Complex Alkylamine	100545-50-4	5%	0.00443%	
			Poly(oxy-1,2-ethanediyl), alpha -isodecyl- omega -hydroxy-	61827-42-7	30%	0.02658%	
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01497%	
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.01825%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0042%	
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00095%	
			Potassium metaborate	13709-94-9	60%	0.01139%	
CL-28M CROSSLINKER	Halliburton	Crosslinker	Crystalline silica, quartz	14808-60-7	5%	0.00143%	
			Borate salts	Confidential	60%	0.01721%	
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00658%	
OptiKleen-WF(TM)	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00525%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00102%	
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00459%	
			Crystalline silica, quartz	14808-60-7	10%	0.00046%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.08906%	
Ingredients Listed Below This Line Are Part of the			Alcohol's ethoxylated	Confidential	0%	0%	
			Alkane	Confidential	0%	0%	
			Amide	Confidential	0%	0%	
			Amine salts	Confidential	0%	0%	
			Amine salts	Confidential	0%	0%	
			Ammonium chloride	12125-02-9	0%	0%	
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%	
			Crystalline Silica, Quartz	14808-60-7	0%	0%	
			Cured acrylic resin	Confidential	0%	0%	
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%	
			Inorganic mineral	Confidential	0%	0%	
			Polyacrylamide copolymer	Confidential	0%	0%	
			Polymer	Proprietary	0%	0%	
			Quaternary amine	Confidential	0%	0%	
			Quaternary amine	Confidential	0%	0%	
			Quaternary amine	Confidential	0%	0%	
			Silica gel	112926-00-8	0%	0%	
			Sodium bicarbonate	144-55-8	0%	0%	
			Sodium chloride	7647-14-5	0%	0%	
			Sodium sulfate	7757-82-6	0%	0%	
			Sorbitan monooleate	9005-65-6	0%	0%	
			polyoxyethylene derivative				
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8		0%	0%
			Surfactant mixture	Confidential		0%	0%
			Surfactant mixture	Confidential		0%	0%
			Water	7732-18-5		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: Denise Pinkerton		Title: Regulatory Specialist					
Date: 11/23/2015							
E-mail Address: leakejd@chevron.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.