Submit within 45 days of w	vell completion	State of New Mexico Energy, Minerals and Natural Resources				Revised November 6, 2013 1. WELL API NO. 30-025-43554 2. Well Name:		
	Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505					2. Well Name: WEST GRAMA RIDGE 8 5 FEDERAL #002H 3. Well Number: 002H		
HYDRAULIC FRACTURING FLUID DISCLOSURE						4. Surface Hole Location: Unit:N Lot:N Section:8 Township:22S Range:34E Feet from:280 N/S Line:S		
⊠ Original						Feet from:2000 5. Bottom Hole Location: Unit:N Lot:N Section:8	E/W Line:W Township:22S Range:34E	
□ Amendment							N/S Line:S E/W Line:W Iongitude:	
						32.3997392 7. County: Lea	-103.4941176	
SUITE 600 MIDLAND 797	RGY CO. IFELD STREET	Performed by: U. W.			9. OGRID:		Phone Number:	
						0		
13. Pool Code(s): 28432						ractured Interval: I0,290 ft to 10,811 ft		
15. True Vertical Depth (TVD): 10,811 ft					16. Total Volume of Fluid Pumped: 8,823,059 gals			
17. Total Volume of Re-Use Water Pumped:					18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed			
N/A 19. HYDRAULIC FLU	JID COMPOS	ITION AND CONCENTE	RATION:		INO	Disclosed		
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Che Service #	mical Abstract	Maximum Ingredient Concentration in Additive (% b	Maximum Ingredient Concentration in HF Fluid (%	
Fresh Water	Operator	Base Fluid	Water	7732-18-5		mass) 100	by mass)	
BC-140 X2	Halliburton	Initiator	Listed Below	Listed Below			% 03:009007	
FDP-S1176-15	Halliburton	Friction Reducer	Listed Below	Listed Below			% 0%	
FDP-S1226-15 MC B-8614	Halliburton Halliburton	Surfactant Biocide	Listed Below Listed Below	Listed Below Listed Below			% 0% % 0%	
OPTIFLO-III	Halliburton	Breaker	Listed Below	Listed Below			% 0%	
OptiKleen-WF	Halliburton	Concentrate	Listed Below	Listed Below			% 0%	
SAND SAND-CRC	Halliburton Halliburton	Proppant Proppant	Listed Below Listed Below	Listed Below Listed Below			% 0% % 0%	
SP BREAKER	Halliburton	Breaker	Listed Below	Listed Below			% 0%	
WG-36 MSDS and Non-MSDS Ingredients are listed	Halliburton	Gelling Agent	Listed Below	Listed Below			% 0% % 0%	
below								
Ingredients	Listed Abov	e Listed Above	2,7- Naphthalenedisulfonic acid, 3-hydroxy-4-[(4- sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3		0.1		
			9-Octadecenamide, n,n-bis-2(hydroxy-ethyl)-,(Z)	93-83-4		5	0.00209%	
			Ammonium chloride	12125-02-	9	5	% 0.00209%	
			Ammonium persulfate	7727-54-0		100		
			Castor oil, ethoxylated Crystalline silica, quartz	61791-12-0 14808-60-		100	% 0.00209% % 16.07569%	
			Cured acrylic resin	Proprietary		30	% 0.00035%	
			Ethanol Ethylene glycol	64-17-5 107-21-1		30	% 0.00021% % 0.00349%	
			Glutaraldehyde	111-30-8		30		
			Guar gum	9000-30-0		100	% 0.03662%	
			Hdrotreated light petrolem distillates	Proprietary		100	% 0.00044%	
			Hexamethylenetetramine				% 0.04406%	
			Hydrotreated light	64742-47-	3	30	% 0.01255%	
			petroleum distillate Methanol	67-56-1		0.14	% 3E-05%	
			Monoethanolamine	26038-87-	9	100		
			Phenol / formaldehyde resin	9003-35-4		5	0.11016%	
			Phosphoric acid	7664-38-2		0.1		
			Polyacrylate Quaternary ammonium	Proprietary 68424-85-	1	30	% 0.01255% % 0.00107%	
			compounds, benzyl-C12- 16-alkyldimethyl chlorides				3.55.07 //	
			Sobitan, mono-9- octadececenoate, (Z)	1338-43-8			% 0.00209%	
		Sodium chloride Sodium perborate		7647-14-5 10486-00-7		5 100	% 0.00209% % 0.00305%	
			tetrahydrate	10486-00-7 7775-27-1				
			Sodium persulfate			100	% 0.00012% % 0%	
20. I, as Operator, hereby co	ertify that the inform	I nation shown on this disclosure fo	orm is true and complete to the be	est of my know	ledge and belief			
	ed Electronically	Printed Name: Skipper				Manager Stimulation Title: Operations	_	

E-mail Address: sherring@cimarex.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.