State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 HYDRAULIC FRACTURING FLUID DISCLOSURE Original Amendment						Revised November 6, 2013 1. WELL API NO. 30-025-43707 2. Well Name: WINDWARD FEDERAL #011H 3. Well Number: 011H 4. Surface Hole Location: Unit:A Lot:A Section:30 Township:24S Range:32E Feet from:210 N/S Line:N			
						Feet from:560 5. Bottom Hole L Unit:P Lot:P Feet from:205 Feet from:977 6. latitude:	ocation: Section:31 N E	Fownship:24S Range:32E N/S Line:S E/W Line:E ongitude:	
						7. County:	95061	-103.707045	
8. Operator Name and Address: COG PRODUCTION 600 W. Illinois Ave Midland 79701 11. Last Fracture Date: 6/20/2	N, LLC	: Halliburton			9. OGRID: 12. Production	217955 n Type:	10. Phone Numb	per: 432-685-4372	
13. Pool Code(s): 97899 15. True Vertical Depth (TVD):					9,3	ctured Interval: 300 ft to 18,940 fume of Fluid Pump			
9,182 ft 17. Total Volume of Re-Use Wate	r Pumped:				25 18. Percent of	,320,192 gals f Re-Use Water in			
N/A 19. HYDRAULIC FLUID (Trade Name	COMPOSITION AN	ID CONCENTRAT	ION:	(CAS #) Chemic		t Disclosed Maximum Ingred	dient	Maximum Ingredient	
Fresh Water	Operator	Base Fluid	Water	Service #	cai Abstract	Concentration in mass)		Concentration in HF Fluid (% by mass)	
Cla-Web(TM) II DCA-23003	Halliburton Halliburton	Clay Stabilizer Friction Reducer	Listed Below Listed Below	Listed Below Listed Below			0% 0%	0%	
FDP-S1226-15 HAI-OS ACID INHIBITOR	Halliburton Halliburton	Surfactant Corrosion Inhibitor	Listed Below Listed Below	Listed Below Listed Below		0% 0%		0% 0%	
HYDROCHLORIC ACID OptiKleen-WF(TM) SAND-COMMON WHITE- 100 MESH, SSA-2, BULK (100003676	Halliburton Halliburton Halliburton	Solvent Concentrate Proppant	Listed Below Listed Below Listed Below	Listed Below Listed Below Listed Below			0% 0% 0%	0% 0%	
Parasorb 5000 Scalesorb 12 Scaletrol	Baker Hughes Baker Hughes Baker Hughes	Paraffin Inhibitor Scale Inhibitor Scale Inhibitor	Listed Below Listed Below Listed Below	Listed Below			0% 0% 0%	0% 0% 0%	
ACS 100 ACS 200	BRENNTAG BRENNTAG	Biocide Biocide	Listed Below Listed Below Listed Below	Listed Below Listed Below	Listed Below		0% 0% 0%		
ACS 300		Biocide	Listed Below	Listed Below			0%	0%	
MSDS and Non-MSDS Ingredients are listed below	Corporation						0%	0%	
the Ingredients	Listed Above	Listed Above	Acrylamide	79-06-1			0.01%	1E-05%	
			Acrylamide, sodium acrylate polymer	25987-30-8			30%	0.0312%	
			Alcohols, C12-13, ethoxylated Alcohols, C12-16,	66455-14-9 68551-12-2			30% 5%	0.01327% 0.00221%	
			ethoxylated Amine	Proprietary			0.1%	5E-05%	
			Amine salts Ammonium	Proprietary Proprietary			1% 30%	0.00052% 0.0141%	
			compound Calcium chloride Chlorine compound	10043-52-4 Proprietary			5% 30%	0.00129% 0.0141%	
			Crystaline Silica: Quartz	14808-60-7			1%	3E-05%	
			Crystalline silica, quartz	14808-60-7			100%	11.87243%	
			Crystalline silica: Quartz (SiO2) Diatomaceous earth,	14808-60-7 91053-39-3			65%	9E-05% 0.0076%	
			calcined Ethoxylated alcohols	Proprietary			30%	0.00018%	
			Ethoxylated branched C13 alcohol	78330-21-9			5%	0.0052%	
			Ethylene glycol Ethylene oxide	107-21-1 75-21-8			30% 0.01%	0.00776% 0%	
			Fatty acids, tall oil Hydrochloric acid	Proprietary 7647-01-0			30% 60%	0.00018% 0.2347%	
			Hydrogen Chloride Hydrotreated light petroleum distillate	7647-01-0 64742-47-8			15% 30%	0.00065% 0.0312%	
			Methanol Mineral Oil	67-56-1 8042-47-5			60% 30%	0.00035% 0.00094%	
			Olefins Organophosphorous	Proprietary Trade Secret			5% 40%	7E-05% 0.00352%	
			Propargyl alcohol Quaternary amine	107-19-7 Proprietary			10% 1%	6E-05% 0.00094%	
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl	68527-49-1			30%	0.00018%	
			formamide Sobitan, mono-9-	1338-43-8			5%	0.0052%	
			octadecenoate, (Z) Sodium chloride Sodium Chloride	7647-14-5 7647-14-5			1% 10%	0.00047% 0.00129%	
			Sodium Chlorite Sodium diacetate	7758-19-2 126-96-5			35% 5%	0.00335% 0.0052%	
			Sodium Hydroxide Sodium Hypochlorite				2% 13%	0.00016% 0.00105%	
			Sodium perborate tetrahydrate Sorbitan monooleate	10486-00-7			100%	0.01134%	
			polyoxyethylene derivative						
20. I, as Operator, hereby certify to Signature: Signed Electron Bills Date: 8/29/2017	ectronically Prin	on this disclosure form is ted Name: Stormi Dav		7732-18-5 best of my knowl	edge and belie		egulatory	0.55663%	
	oncho.com	d MSDS data as describe	d in 29 CFR 1910.1200. Ni	MOCD does not i	require the repo	rting or disclosure	of proprietary, trac	le secret or confidential business	