

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. 30-025-42782			
				2. Well Name: VIKING HELMET STATE COM #001H			
				3. Well Number: 001H			
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment				4. Surface Hole Location: Unit:A Lot:A Section:29 Township:24S Range:35E Feet from:190 N/S Line:N Feet from:380 E/W Line:E			
				5. Bottom Hole Location: Unit:H Lot:H Section:32 Township:24S Range:35E Feet from:2290 N/S Line:N Feet from:419 E/W Line:E			
				6. latitude: 32.19523274 longitude: -103.3821972			
				7. County: Lea			
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701			9. OGRID: 229137		10. Phone Number: 432-685-4332		
11. Last Fracture Date: 5/12/2017 Frac Performed by: Halliburton			12. Production Type: O				
13. Pool Code(s): 98098			14. Gross Fractured Interval: 12,557 ft to 19,395 ft				
15. True Vertical Depth (TVD): 12,452 ft			16. Total Volume of Fluid Pumped: 16,504,578 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	Water	7732-18-5	100%	87.96816%	
Cla-Web(TM) II	Halliburton	Clay Stabilizer	Listed Below	Listed Below	0%	0%	
DCA-23003	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%	
FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%	
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Listed Below	Listed Below	0%	0%	
FE-2A	Halliburton	Additive	Listed Below	Listed Below	0%	0%	
HA1-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%	
HYDROCHLORIC ACID	Halliburton	Solvent	Listed Below	Listed Below	0%	0%	
OptiKleen-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%	
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Proppant	Listed Below	Listed Below	0%	0%	
SAND-PREMIUM WHITE-40/70, BULK	Halliburton	Proppant	Listed Below	Listed Below	0%	0%	
Scalechek(R) SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Listed Below	Listed Below	0%	0%	
Parasorb	Baker Hughes	Additive	Listed Below	Listed Below	0%	0%	
Scaletrol	Baker Hughes	Scale Inhibitor	Listed Below	Listed Below	0%	0%	
ACS 100	BRENNTAG	Biocide	Listed Below	Listed Below	0%	0%	
ACS 200	BRENNTAG Southwest Inc	Biocide	Listed Below	Listed Below	0%	0%	
ACS 300	Occidental Chemical Corporation	Biocide	Listed Below	Listed Below	0%	0%	
MSDS and Non-MSDS Ingredients are listed below the					0%	0%	
Ingredients	Listed Above	Listed Above	Acetic acid Acetic anhydride Acrylamide Acrylamide, sodium acrylate polymer Alcohols, C12-13, ethoxylated Alcohols, C12-16, ethoxylated Amine Amine salts Ammonium compound Calcium chloride (CaCl2) Chlorine compound Citric acid Crystalline silica, quartz Crystalline silica: (SiO2) Diatomaceous earth, calcined Ethoxylated alcohols Ethoxylated branched C13 alcohol Ethylene glycol Ethylene oxide Fatty acids, tall oil Glassy calcium magnesium phosphate Hydrochloric acid Hydrogen Chloride Hydrotreated light petroleum distillate Methanol Mineral Oil Olefins Propargyl alcohol Quaternary amine Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Sorbitan, mono-9-octadecenoate, (Z) Sodium chloride Sodium Chloride Sodium Chlorite Sodium diacetate Sodium Hydroxide Sodium Hypochlorite Sodium perborate tetrahydrate Sorbitan monooleate polyoxyethylene derivative Water	64-19-7 108-24-7 79-06-1 25987-30-8 66455-14-9 68551-12-2 Proprietary Proprietary Proprietary 10043-52-4 Proprietary 77-92-9 14808-60-7 14808-60-7 91053-39-3 Proprietary 78330-21-9 107-21-1 75-21-8 Proprietary 65997-17-3 7647-01-0 7647-01-0 64742-47-8 67-56-1 8042-47-5 Proprietary 107-19-7 Proprietary 68527-49-1 1338-43-8 7647-14-5 7647-14-5 7758-19-2 126-96-5 001310-73-2 007681-52-9 10486-00-7 9005-65-6 7732-18-5	60% 100% 0.01% 30% 30% 5% 0.1% 1% 30% 5% 30% 60% 100% 1% 60% 0.01% 30% 100% 60% 15% 30% 60% 30% Proprietary Proprietary Proprietary 30% 5% 10% 10% 10% 2% 13% 100% 5% 100%	0.00229% 0.00382% 1E-05% 0.04046% 0.01326% 0.00221% 5E-05% 0.00052% 0.01408% 0.00129% 0.01408% 0.00238% 10.85831% 6E-05% 0.00339% 0.00019% 0.00674% 0.00772% 0% 0.00019% 0.01697% 0.51419% 0.00057% 0.04046% 0.00038% 0.0017% 8E-05% 6E-05% 0.00094% 0.00019% 0.00674% 0.00047% 0.00113% 0.00281% 0.00674% 0.00015% 0.00094% 0.01472% 0.00674% 1.04654%	
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: Stormi Davis		Title: Regulatory Analyst			
Date: 6/20/2017							
E-mail Address: sdavis@conchoresources.com							