

Submit within 45 days of well completion	<div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div>	Revised November 6, 2013				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		1. WELL API NO: 30-025-42946				
		2. Well Name: VAST STATE #005H				
		3. Well Number: 005H				
		4. Surface Hole Location: Unit:O Lot:O Section:17 Township:26S Range:33E Feet from:210 N/S Line:S Feet from:1680 E/W Line:E				
5. Bottom Hole Location: Unit:B Lot:B Section:17 Township:26S Range:33E Feet from:259 N/S Line:N Feet from:2300 E/W Line:E						
6. latitude: 32.03683317		longitude: -103.5911745				
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: 8/4/2016    Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97900		14. Gross Fractured Interval: 9,485 ft to 14,020 ft				
15. True Vertical Depth (TVD): 9,304 ft		16. Total Volume of Fluid Pumped: 10,185,136 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%	1.68512%
			Water	7732-18-5	100%	87.86389%
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%
HAI-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%
Parasorb 5000	Baker Hughes	Paraffin Inhibitor	Listed Below	Listed Below	0%	0%
Scalersorb 12	Baker Hughes	Scale Inhibitor	Listed Below	Listed Below	0%	0%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	Acetic acid	64-19-7	60%	0.00257%
			Acetic anhydride	108-24-7	100%	0.00429%
			Acrylamide	79-06-1	0.01%	0%
			Acrylamide, sodium acrylate polymer	25987-30-8	30%	0.00575%
			Alcohols, C12-13, ethoxylated	66455-14-9	30%	0.01403%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00234%
			Amine	Proprietary	0.1%	5E-05%
			Amine salts	Proprietary	1%	0.00054%
			Ammonium compound	Proprietary	30%	0.01477%
			Calcium chloride	10043-52-4	5%	0.00134%
			Chlorine compound	Proprietary	30%	0.01477%
			Citric acid	77-92-9	60%	0.00267%
			Crystalline silica, quartz	14808-60-7	100%	9.44413%
			Crystalline silica: Quartz	14808-60-7	1%	0.00013%
			Diatomaceous earth, calcined	91053-39-3	50%	0.00462%
			Ethoxylated alcohols	Proprietary	30%	0.00021%
			Ethoxylated branched C13 alcohol	78330-21-9	5%	0.00096%
			Ethylene glycol	107-21-1	30%	0.00806%
			Ethylene oxide	75-21-8	0.01%	0%
			Fatty acids, tall oil	Proprietary	30%	0.00021%
			Hydrochloric acid	7647-01-0	60%	0.50383%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00575%
			Methanol	67-58-1	60%	0.00043%
			Mineral oil	8042-47-5	30%	0.00114%
			Olefins	Proprietary	5%	9E-05%
			Phosphonic acid, sodium salt	15475-67-9	5%	0.00046%
			Phosphonomethylated diamine, sodium salt	Proprietary	20%	0.00185%
			Propargyl alcohol	107-19-7	10%	7E-05%
			Quaternary amine	Proprietary	1%	0.00098%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00021%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5%	0.00096%
			Sodium chloride	7647-14-5	1%	0.00049%
			Sodium diacetate	126-96-5	5%	0.00096%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.0026%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	5%	0.00096%
			Water	7732-18-5	100%	0.94989%
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:	11/29/2016					
E-mail Address:	sdavis@conchoresources.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.