

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. 30-025-40795					
		2. Well Name: LIGHTNING P-38 STATE #006H					
		3. Well Number: 006H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒Original ☐Amendment		4. Surface Hole Location: Unit:P Lot:P Section:1 Township:21S Range:33E Feet from:3174 N/S Line:S Feet from:543 E/W Line:E					
		5. Bottom Hole Location: Unit:E Lot:13 Section:1 Township:21S Range:33E Feet from:3280 N/S Line:S Feet from:422 E/W Line:W					
		6. latitude: longitude: 32.5092704047376 - 103.519186877397					
		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: 1/26/2014 Frac Performed by: Halliburton		12. Production Type: O					
13. Pool Code(s): 5535		14. Gross Fractured Interval: 11,683 ft to 15,565 ft					
15. True Vertical Depth (TVD): 11,503 ft		16. Total Volume of Fluid Pumped: 1,999,535 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				100%	83.40339%	
FE ACID - 7.5% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.11681%	
CRC Premium - 30/50	Halliburton				100%	15.00595%	
LOSURF-360	Halliburton				100%	0%	
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02702%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00408%	
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00497%	
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04002%	
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00174%	
			Potassium metaborate	13709-94-9	60%	0.02082%	
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00962%	
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01123%	
			Silica, amorphous precipitated	67762-90-7	30%	0.00337%	
Scaletrol (TP)	Halliburton				100%	0%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17374%	
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00949%	
			Crystalline silica, quartz	14808-60-7	30%	0.00285%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	1E-05%	
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.00055%	
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: Brian Maiorino Title: Regulatory Analyst							
Date: 4/2/2014							
E-mail Address: bmaiorino@concho.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.