

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: 30-015-41723				
		2. Well Name: PATTON 5 FEE #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:E Lot:E Section:5 Township:19S Range:26E Feet from:1410 N/S Line:N Feet from:230 E/W Line:W				
		5. Bottom Hole Location: Unit:H Lot:H Section:5 Township:19S Range:26E Feet from:1438 N/S Line:N Feet from:352 E/W Line:E				
		6. latitude: longitude: 32.693318375959 -104.412276853025				
		7. County: Eddy				
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: 5/30/2014 Frac Performed by: Halliburton			12. Production Type: O			
13. Pool Code(s): 3250			14. Gross Fractured Interval: 3,382 ft to 7,204 ft			
15. True Vertical Depth (TVD): 2,880 ft			16. Total Volume of Fluid Pumped: 712,789 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%	80.27895%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.68064%
100 Mesh Sand	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.33558%
Brady Sand 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	13.67045%
CRC Sand - 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.09785%
			Hexamethylenetetramine	100-97-0	2%	0.06196%
			Phenol / formaldehyde resin	9003-35-4	5%	0.15489%
LOSURF-360	Halliburton				100%	0%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00399%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00011%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.05141%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.05141%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01496%
			Monoethanolamine borate	26038-87-9	100%	0.04987%
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.00507%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00057%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00217%
			Walnut hulls	Mixture	100%	0.00725%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02028%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.13942%
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: <u>Signed Electronically</u>		Printed Name: <u>Chasity Jackson</u>		Title: <u>Regulatory Analyst</u>		
Date: <u>7/2/2014</u>						
E-mail Address: <u>cjackson@conchoresources.com</u>						

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.