

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: 30-015-42782				
		2. Well Name: HALBERD 27 STATE #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:H Lot:H Section:27 Township:17S Range:28E Feet from:2090 N/S Line:N Feet from:45 E/W Line:E				
		5. Bottom Hole Location: Unit:E Lot:E Section:27 Township:17S Range:28E Feet from:2276 N/S Line:N Feet from:389 E/W Line:W				
		6. Istitude: longitude: 32.8070555151225 -104.155577563688				
		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: 2/23/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 96836		14. Gross Fractured Interval: 4,187 ft to 8,358 ft				
15. True Vertical Depth (TVD): 3,738 ft		16. Total Volume of Fluid Pumped: 2,108,912 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%	78.09323%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.6508%
Premium Brown 20/40	Halliburton				100%	16.69776%
Garnet - 20/40	Halliburton				100%	2.75457%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0038%
LOSURF-360	Halliburton				100%	0%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00016%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00197%
			Propargyl alcohol	107-19-7	10%	0.00033%
CAT-OS-1	Halliburton	Activator	Ammonium acetate	631-61-8	30%	0.01075%
			Cobalt acetate	71-48-7	10%	0.00358%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01396%
			Monoethanolamine borate	26038-87-9	100%	0.04652%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00011%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00233%
			Walnut hulls	Mixture	100%	0.00777%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01725%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.13583%
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: Chasity Jackson		Title: Regulatory Analyst		
Date: 4/10/2015						
E-mail Address: cjackson@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.