

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 February 15, 2012				
		1. WELL API NO: 30-025-40407				
		2. Well Name: AIRACUDA FEDERAL #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:31 Township:25S Range:33E Feet from:330 N/S Line:N Feet from:1980 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot:O Section:31 Township:25S Range:33E Feet from:335 N/S Line:S Feet from:1890 E/W Line:E				
		6. Latitude: 32.0934604537586 longitude: - 103.609194892308				
		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: 3/16/2013 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97905		14. Gross Fractured Interval: 9,976 ft to 14,060 ft				
15. True Vertical Depth (TVD): 9,842 ft		16. Total Volume of Fluid Pumped: 62,307 bbls				
17. 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%	82.61845%
FE Acid < 10%	Halliburton				100%	1.86284%
SSA-2	Halliburton	Sand	Crystalline silica, quartz	14808-60-7	100%	3.8317%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.17333%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.0015%
			Ammonium bisulfate	7783-20-2	30%	0.00903%
LOSURF-360W	Halliburton				100%	0%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.05076%
Cla-Web™	Halliburton	Additive	Tetramethyl ammonium chloride	75-57-0	1%	0.0005%
			Proprietary	Confidential Business Information	30%	0.01514%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00436%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.02557%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00115%
			Potassium metaborate	13709-94-9	60%	0.01378%
MO-67	Halliburton	Buffer	Sodium hydroxide	1310-73-2	30%	0.00599%
3rd Party Scale Inhibitor	Halliburton				100%	0%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0%
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Control	Polyacrylate	Confidential Business Information	60%	0.01679%
OptiKleen-WF™	Halliburton	Surfactant	Sodium perborate tetrahydrate	10486-00-7	100%	0.00323%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.15873%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	8E-05%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00662%
			Crystalline silica, quartz	14808-60-7	30%	0.00199%
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Clay Control	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01136%
3rd Party Additive	Halliburton				100%	0.01136%
18. 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: Kacie Connally		Title: Permitting Tech		
Date: 4/24/2013						
E-mail Address: kconnally@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.