

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. 30-025-40725				
		2. Well Name: OUTLAW 22 FEDERAL COM #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:22 Township:20S Range:33E Feet from:660 N/S Line:N Feet from:1980 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot:O Section:22 Township:20S Range:33E Feet from:652 N/S Line:S Feet from:1926 E/W Line:E				
		6. latitude: longitude: 32.564063433594 - 103.648998098632				
		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: 12/2/2012 Frac Performed by: Halliburton					12. Production Type: O	
13. Pool Code(s): 58960					14. Gross Fractured Interval: 11,103 ft to 14,866 ft	
15. True Vertical Depth (TVD): 11,196 ft					16. Total Volume of Fluid Pumped: 58,175 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%	84.71304%
FE ACID - <10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	2.17903%
30/50 CRC Premium	Halliburton				100%	12.49729%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.03751%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00142%
			Potassium metaborate	13709-94-9	60%	0.01704%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00035%
			Ammonium sulfate Inorganic Salt	Confidential Business Information	30%	0.00209%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01936%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01083%
			Silica, amorphous precipitated	67762-90-7	30%	0.00325%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00411%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.0008%
			Ethanol	64-17-5	60%	0.04772%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02386%
			Naphthalene	91-20-3	5%	0.00398%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00398%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02462%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00878%
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02053%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00915%
			Crystalline silica, quartz	14808-60-7	30%	0.00274%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00097%
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02079%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19764%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00069%
3rd Party Corrosion Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02079%
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: 1/21/2013						
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.