

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. 30-015-41346				
		2. Well Name: TEX MACK 11 FEDERAL #116H				
		3. Well Number: 116H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:L Section:11 Township:17S Range:31E Feet from:1525 N/S Line:S Feet from:330 E/W Line:W				
		5. Bottom Hole Location: Unit:I Lot:I Section:11 Township:17S Range:31E Feet from:1717 N/S Line:S Feet from:354 E/W Line:E				
		6. latitude: longitude: 32.8460469616047 - 103.847905236861				
		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: 9/30/2013 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97213		14. Gross Fractured Interval: 6,710 ft to 10,844 ft				
15. True Vertical Depth (TVD): 6,423 ft		16. Total Volume of Fluid Pumped: 2,007,953 gals				
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%	85.02249%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.49482%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.22895%
Premium Brown 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.63514%
CRC 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.05951%
			Hexamethylenetetramine	100-97-0	2%	0.04119%
			Phenol / formaldehyde resin	9003-35-4	5%	0.10298%
LOSURF-360	Halliburton				100%	0%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00014%
BE-7™	Halliburton	Biocide	Sodium hydroxide	1310-73-2	2%	0.00104%
			Sodium hypochlorite	7681-52-9	30%	0.01563%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01997%
			Monoethanolamine borate	26038-87-9	100%	0.06657%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.03694%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.03694%
CAT-106	3rd Party		Sodium chloride	7647-14-5	100%	0.06207%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00308%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.12608%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00384%
			Walnut hulls	Mixture	100%	0.01281%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00014%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01245%
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: <u>Signed Electronically</u>		Printed Name: <u>Chasity Jackson</u>		Title: <u>Regulatory Analyst</u>		
Date: <u>10/22/2013</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.