

**State of New Mexico  
Energy, Minerals and  
Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505**

Submit within 45 days of well completion		<b>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</b>		Revised February 15, 2012		
		1. Well API NO: 30-015-38072				
		2. Well Name: SRO STATE UNIT #010H				
		3. Well Number: 010H				
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b>		4. Surface Hole Location: Unit:D Lot:D Section:3 Township:26S Range:28E Feet from:660 N/S Line:N Feet from:330 E/W Line:W				
<input checked="" type="checkbox"/> Original		5. Bottom Hole Location: Unit:E Lot:E Section:10 Township:26S Range:28E Feet from:2089 N/S Line:N Feet from:560 E/W Line:W				
<input type="checkbox"/> Amendment		6. Latitude: longitude: 32.0770952098922 - 104.08260328371				
		7. County: Eddy				
8. Operator Name and Address: COG OPERATING LLC 550 W TEXAS SUITE 1300 MIDLAND 79701		9. OGRID: 229137		10. Phone Number:		
11. Last Fracture Date: 6/6/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 51010		14. Gross Fractured Interval: 8,300 ft to 14,401 ft				
15. True Vertical Depth (TVD): 8,077 ft		16. Total Volume of Fluid Pumped: 87,231 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				0%	0%
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.89145%
Ottawa 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.83615%
Super LC 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.16232%
			Hexamethylenetetramine	100-97-0	2%	0.02325%
			Phenol / formaldehyde resin	9003-35-4	5%	0.05812%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.002%
			Potassium metaborate	13709-94-9	60%	0.02403%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00087%
			Ethanol	64-17-5	60%	0.05243%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02621%
			Naphthalene	91-20-3	5%	0.00437%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00437%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	8E-05%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00424%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.01538%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.00468%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.00468%
FR-48	Halliburton	Friction Reducer	Contains no hazardous substances	Mixture	100%	0.04566%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.06165%
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.0238%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.01354%
			Acetic anhydride	108-24-7	100%	0.02256%
FE-2A	Halliburton	Additive	Citric acid	77-92-9	60%	0.01404%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00224%
			Propargyl alcohol	107-19-7	10%	0.00037%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.0984%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00464%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz Walnut hulls	14808-60-7 Mixture	30% 100%	0.00131% 0.00436%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02047%
3rd Party Paraffin Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02075%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,2'-Azobis-[2-(imidazolin-2-yl)propane]-dihydrochloride	27776-21-2	0%	0%
			Acrylamide	Confidential Business Information	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Aluminum chloride, basic	1327-41-9	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
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			Ammonium salt	Confidential Business Information	0%	0%
			Ammonium Sulfate	7783-20-2	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Confidential Business Information	0%	0%
			Cured Acrylic Resin	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Glycerine	56-81-5	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Polyacrylate	Confidential Business Information	0%	0%
			Polydimethyl dially ammonium chloride	26062-79-3	0%	0%