

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

1. WELL API NO. 30-015-40374
2. Well Name: CLUSTER STATE COM #003H
3. Well Number: 003H
4. Surface Hole Location: Unit:E Lot:E Section:16 Township:26S Range:27E Feet from:1830 N/S Line:N Feet from:190 E/W Line:W
5. Bottom Hole Location: Unit:H Lot:H Section:16 Township:26S Range:27E Feet from:1923 N/S Line:N Feet from:330 E/W Line:E
6. Latitude: 32.0446889575811 Longitude: 104.203081064881
7. County: Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

Original

Amendment

8. Operator Name and Address: COG OPERATING LLC ONE CONCHO CENTER 600 W. ILLINOIS AVENUE MIDLAND 79701	9. OGRID: 229137	10. Phone Number:
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11. Last Fracture Date: 8/22/2012 Frac Performed by: Halliburton	12. Production Type: O
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13. Pool Code(s): 64010	14. Gross Fractured Interval: 7,727 ft to 12,078 ft
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15. True Vertical Depth (TVD): 7,646 ft	16. Total Volume of Fluid Pumped: 75,001 bbls
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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%	87.24229%
FE ACID - >10% HCL	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	2.02716%
Premium White 20/40	Halliburton				100%	10.10939%
CRC-16/30	Halliburton				100%	0.1092%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	9E-05%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.0718%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02589%
LOSURF-300 NONIONIC SURFACTANT	Halliburton	Surfactant	Isopropanol	67-63-0	60%	0.04713%
			Light aromatic solvent	64742-95-6	30%	0.02357%
			Ethoxylated nonylphenol	Confidential Business Information	10%	0.00786%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00383%
SCALECHECK LP -55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.01359%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.00382%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.00382%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00711%
			Monoethanolamine borate	26038-87-9	100%	0.02371%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.0021%
			Ammonium sulfate Inorganic Salt	Confidential Business Information	30%	0.01258%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00115%
			Walnut hulls	Mixture	100%	0.00384%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00439%
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.10211%
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01829%
BE-6 MICROBIOCIDAL	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.0001%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%
			2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-[(2-methoxyphenyl)azo]-, disodium salt	6625-46-3	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Acrylamide copolymer	Proprietary	0%	0%
			Amine Salt	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Citric acid	77-92-9	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%
			Defoamer	Proprietary	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethoxylated Nonylphenol	Confidential Business Information	0%	0%
			Food red 10	3734-67-6	0%	0%
			Formaldehyde polymer with 4,1,1-dimethylethyl phenolmethyl oxirane	29316-47-0	0%	0%
			Formaldehyde polymer with methyl oxirane, 4-nonylphenol and oxirane	63428-92-2	0%	0%
			Glycerine	56-81-5	0%	0%
			Modified acrylamide copolymer	Proprietary	0%	0%
			Modified acrylate polymer	Proprietary	0%	0%
			Modified Bentonite	Confidential Business Information	0%	0%
			Naphthalene	91-20-3	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
Silica, amorphous - fumed	7631-86-9	0%	0%			
Sodium acetate	127-09-3	0%	0%			
Sodium Chloride	7647-14-5	0%	0%			
Sodium sulfate	7757-82-6	0%	0%			
Trimethylamine, N-oxide	1184-78-7	0%	0%			
Water	7732-18-5	0%	0%			

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: Monti Sanders Permitting / ROW Title: Technician

Date: 9/7/2012

E-mail Address: msanders@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.