

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.  
30-025-40404

2. Well Name:  
WILD COBRA 1 STATE #002H

3. Well Number:  
002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:  
Unit:E Lot:E Section:1 Township:19S Range:34E  
Feet from:1815 N/S Line:N  
Feet from:460 E/W Line:W

5. Bottom Hole Location:  
Unit:H Lot:H Section:1 Township:19S Range:34E  
Feet from:2135 N/S Line:N  
Feet from:472 E/W Line:E

6. Latitude:  
32.6920561033142  
Longitude:  
-103.520965211762

7. County:  
Lea

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: 6/3/2012 Frac Performed by: Halliburton

12. Production Type:  
O

13. Pool Code(s):  
55610

14. Gross Fractured Interval:  
10,804 ft to 14,701 ft

15. True Vertical Depth (TVD):  
10,687 ft

16. Total Volume of Fluid Pumped:  
60,712 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%	2.16521%
30/50 SDC	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	12.08082%
			Hexamethylenetetramine	100-97-0	2%	0.24162%
			Phenol / formaldehyde resin	9003-35-4	5%	0.60404%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00441%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00705%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02367%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01976%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00222%
			Propargyl alcohol	107-19-7	10%	0.00037%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04774%
CL-31	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.0024%
CROSSLINKER			Potassium metaborate	13709-94-9	60%	0.0288%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01189%
			Silica, amorphous precipitated	67762-90-7	30%	0.00357%
FR-48	Halliburton	Friction Reducer	Contains no hazardous substances	Mixture	100%	0.01394%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00076%
			Ethanol	64-17-5	60%	0.04536%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02268%
			Naphthalene	91-20-3	5%	0.00378%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00378%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.01347%
			Acetic anhydride	108-24-7	100%	0.02244%
FE-2A	Halliburton	Additive	Citric acid	77-92-9	60%	0.01398%
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02095%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18526%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02%
3rd Party Paraffin Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02%
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00012%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00198%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.0088%
			Crystalline silica, quartz	14808-60-7	30%	0.00264%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00132%
Ingredients Listed Below This Line Are Part of the			2,2'-Azobis-[2-(imidazolin-2-yl)propane]-dihydrochloride	27776-21-2	0%	0%
			Acrylamide	Confidential Business Information	0%	0%
			Acrylate Polymer	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%
			Amine Salts	Confidential Business Information	0%	0%
			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%
			Borate salts	Confidential Business Information	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	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%
			Oxalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Oxalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Polyacrylate	Confidential Business Information	0%	0%
			Polydimethyl dially ammonium chloride	26062-79-3	0%	0%
			Polymer	Confidential Business Information	0%	0%
			Polypropylene glycol	25322-69-4	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant blend	Proprietary	0%	0%
			Surfactant Mixture	Confidential Business Information	0%	0%
			Surfactant Mixture	Confidential Business Information	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: 6/22/2012

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.