

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 November 8, 2013

1. WELL API NO.
30-025-41180

2. Well Name:
GUNNER 8 FEDERAL #005H

3. Well Number:
005H

4. Surface Hole Location:
Unit:O Lot: O Section:8 Township:26S Range:34E
Feet from:190 N/S Line:S
Feet from:1520 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot: Section:5 Township:26S Range:34E
Feet from:1661 N/S Line:N
Feet from:1582 E/W Line:E

6. latitude: 32.0511653311554 longitude: -103.488297501729

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: 5/15/2014 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97892

14. Gross Fractured Interval:
10,027 ft to 18,207 ft

15. True Vertical Depth (TVD):
9,812 ft

16. Total Volume of Fluid Pumped:
13,140,125 gals

17. Total Volume of Re-Use Water Pumped:
N/A

18. Percent of Re-Use Water in Fluid Pumped:
Not Disclosed

19. 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					
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	100%	88.20898%
100 - MESH	Halliburton				100%	0.13207%
SAND - PREMIUM - 40/70	Halliburton				100%	2.74555%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	7.42143%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00127%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polypichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01128%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02929%
HA1-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00107%
LoSurf-360W	Halliburton	Surfactant	Propargyl alcohol	107-19-7	10%	0.00018%
			Complex alkylamine	Confidential Business Information	5%	0.00226%
			Glycerine	56-81-5	10%	0.00452%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01355%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	7E-05%
D-AIR 3000	Halliburton				100%	0%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00067%
			Ammonium sulfate inorganic salt	Confidential Business Information	30%	0.00401%
FR-48	Halliburton	Friction Reducer	Contains no hazardous substances	Mixture	100%	0.0097%
BE-8 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	2E-05%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00075%
			Walnut hulls	Mixture	100%	0.00249%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Quat gum	9000-30-0	100%	0.09241%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.0014%
SALT	Halliburton	Additive	Sodium chloride	7647-14-5	100%	0.02193%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,2'-Azobis-(2-(imidazlin-2-yl) propane)-dihydrochloride	27776-21-2	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Acrylamide copolymer	108388-79-0	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Alkane	Confidential Business Information	0%	0%
			Aluminum chloride, basic	1327-41-9	0%	0%
			Amine salt	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Ammonium salt	Confidential Business Information	0%	0%
			Ammonium sulfate	7783-20-2	0%	0%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	112888-68-4	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	14809-50-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Defoamer	63149-62-9	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethylene diaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Fatty acid tall oil amide	Confidential Business Information	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Glycerine	56-81-5	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Modified acrylamide copolymer	153568-90-0	0%	0%
			Modified acrylate polymer	54076-97-0	0%	0%
			Nitrotriatic acid, trisodium salt monohydrate	5064-31-3	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%
			Polyacrylamide copolymer	Confidential Business Information	0%	0%
			Polyacrylate	Confidential Business Information	0%	0%
			Polydimethyl diallyl ammonium chloride	26052-79-3	0%	0%
			Polymer	Confidential Business Information	0%	0%
			Polymer	Confidential Business Information	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%
			Silica, amorphous - fumed	7631-86-9	0%	0%
			Sodium acetate	127-09-3	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sorbitan monooleate	9005-65-6	0%	0%
			polyoxyethylene derivative	1338-43-8	0%	0%
			Sorbitan, mono-9-octadecenoate, (2)	Confidential Business Information	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%

20. 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: Stormi Davis Title: Regulatory Analyst

Date: 7/14/2014

E-mail Address: sdavis@conchoresources.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.