

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 6, 2013

1. WELL API NO:
30-025-42513

2. Well Name:
SALVADOR FEE #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:10 Township:24S Range:34E
Feet from:190 N/S Line:S
Feet from:560 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:A Section:10 Township:24S Range:34E
Feet from:245 N/S Line:N
Feet from:408 E/W Line:E

6. latitude: longitude:
32.225340567 -103.4510892

7. County:
Lea

8. Operator Name and Address:
COG PRODUCTION, LLC
600 W. Illinois Ave
Midland 79701

9. OGRID: 217955

10. Phone Number: 432-685-4372

11. Last Fracture Date: 7/6/2015 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
96434

14. Gross Fractured Interval:
9,666 ft to 13,860 ft

15. True Vertical Depth (TVD):
9,463 ft

16. Total Volume of Fluid Pumped:
6,629,028 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)
FE Acid < 10%	Halliburton	Base Fluid	NA	NA	0%	0%
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	87.69753%
BE-9, CLA-STA XP ADDITIVE, Cla-Web(TM), FE-1A ACID	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Corrosion Inhibitor, Gelling Agent, Pro	NA	NA	0%	0%
WG-36 GELLING AGENT Parasorb 5000, Scalesorb, Scaletrol 720	Halliburton	Demulsifier, Scale Inhibitor	NA	NA	0%	0%
	Baker Hughes		NA	NA	0%	0%
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	0%
			Acetic acid	64-19-7	60%	0.00724%
			Acetic anhydride	108-24-7	100%	0.01207%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.0006%
			Alkane	Confidential	1%	0.00044%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium salt	Confidential	60%	0.02894%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00509%
			C.I. Pigment Red 5	6410-41-9	1%	2E-05%
			Calcium chloride	10043-52-4	0.1%	0%
			Calcium Chloride	10043-52-4	5%	0.00131%
			Citric acid	77-92-9	60%	0.00751%
			Complex alkylamine	Proprietary	5%	0.00221%
			Crystalline Silica	14808-80-7	1%	5E-05%
			Crystalline silica, quartz	14808-80-7	100%	10.71532%
			Crystalline Silica, Quartz	14808-80-7	0.1%	0.0001%
			Crystalline silica: Quartz (SiO2)	14808-80-7	1%	0.00011%
			Cured acrylic resin	Confidential	30%	0.00076%
			Diatomaceous earth	91053-39-3	60%	0.00311%
			Diatomaceous earth, calcined	91053-39-3	65%	0.00721%
			Enzyme	Confidential	5%	0.00013%
			Ethylene Glycol	107-21-1	30%	0.00784%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.0006%
			Guar gum	9000-30-0	100%	0.10179%
			Methanol	67-56-1	60%	0.0012%
			Mineral Oil	8042-47-5	30%	0.00156%
			NFIDB:FE Acid < 10%	NFIDB:FE Acid < 10%	100%	1.26136%
			Olefins	Confidential	5%	0.00024%
			Organophosphorous salt	Confidential	40%	0.00444%
			Poly(oxy-1,2-ethanediyl), alpha -isodecyl- omega -hydroxy-	61827-42-7	30%	0.01325%
			Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01072%
			Propargyl alcohol	107-19-7	10%	0.0002%
			Quaternary amine	Confidential	5%	0.00294%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.0006%
			Silica gel	112926-00-8	1%	0.00102%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	30%	0.00251%
			Surfactant mixture	Confidential	1%	0.00204%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00427%
			Trimethylamine, N-oxide	1184-78-7	5%	0.00089%
			Walnut hulls	NA	100%	0.00247%
			Water	7732-18-5	100%	0.13435%

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

Senior Regulatory

Date: 8/27/2015

Title: Analyst

E-mail Address: sdavis@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.