

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:
30-025-41666

2. Well Name:
SEBASTIAN FEDERAL COM #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:C Lot:C Section:18 Township:24S Range:34E
Feet from:190 N/S Line:N
Feet from:1830 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:18 Township:24S Range:34E
Feet from:353 N/S Line:S
Feet from:2274 E/W Line:W

6. Latitude:
32.2243195 Longitude:
-103.5115509

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:
5/26/2015 Frac Performed by:
Halliburton

12. Production Type:
O

13. Pool Code(s):
95434

14. Gross Fractured Interval:
10,970 ft to 15,250 ft

15. True Vertical Depth (TVD):
10,927 ft

16. Total Volume of Fluid Pumped:
7,073,544 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	Base Fluid	Fresh Water	7732-18-5	100%	87.37736%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BE-6 MICROBIOCIDE, BE-9, CL-22 UC, CL-31 CROSSLINK	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Stabilizer, Crosslinker, Gelling Agent, Microbiocid	NA	NA	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Surfactant	NA	NA	0%	0%
Parasorb, Scaletrol 720	Baker Hughes	Scale Inhibitor	NA 2-Bromo-2-nitro-1,3-propanediol Acetic acid Acetic anhydride Acrylate polymer Alkane Aluminum Silicate Amine salts Ammonium persulfate Ammonium salt Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex Borate salts Calcium Chloride Citric acid Complex alkylamine Crystalline silica Crystalline silica, cristobalite Crystalline silica, quartz Crystalline Silica, Quartz Cured acrylic resin Diatomaceous earth, calcined Ethylene Glycol Ethylenediaminetetraacetic acid, tetrasodium salt Glassy calcium magnesium phosphate Guar gum Hydrochloric acid Mineral Oil Mullite Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-omega.-hydroxy- Polyepichlorohydrin, trimethyl amine quaternized Potassium formate Potassium hydroxide Potassium metaborate Quaternary amine Silica gel Silica, amorphous - fumed Sodium bicarbonate Sodium carboxymethyl cellulose Sodium chloride Sodium glycolate Sodium hydroxide Sodium persulfate Sodium sulfate Surfactant mixture Tributyl tetradecyl phosphonium chloride Trimethylamine, N-oxide Water	NA 52-51-7 64-19-7 108-24-7 Confidential Confidential 1302-76-7 Confidential 7727-54-0 Confidential 121888-68-4 Confidential 10043-52-4 77-92-9 Proprietary 14808-60-7 14464-46-1 14808-60-7 14808-60-7 Confidential 91053-39-3 107-21-1 64-02-8 65997-17-3 9000-30-0 7647-01-0 8042-47-5 1302-93-8 61827-42-7 51838-31-4 590-29-4 1310-58-3 13709-94-9 Confidential 112926-00-8 7631-86-9 144-55-8 9004-32-4 7647-14-5 2836-32-0 1310-73-2 7775-27-1 7757-82-6 Confidential 81741-28-8 1184-78-7 7732-18-5	0% 100% 60% 100% 1% 1% 100% 0.1% 100% 60% 5% 60% 5% 60% 5% 1% 30% 60% 30% 0.01% 100% 100% 80% 30% 100% 30% 60% 5% 1% 0.01% 1% 5% 1% 30% 100% 0.1% 1% 10% 5% 100%	0% 4E-05% 0.0105% 0.0175% 0.00023% 0.00047% 1.16779% 0.0001% 0.00496% 0.02902% 0.00672% 0.01377% 0.00129% 0.01089% 0.00235% 8E-05% 0.35034% 9.0788% 0.00013% 0.00149% 0.00488% 0.00774% 0% 0.01627% 0.1345% 1.14218% 0.00244% 1.16779% 0.01411% 0.00844% 0.01377% 0.0004% 0.00475% 0.00295% 0.00134% 0.35034% 0% 0.00023% 0.00272% 0.00023% 0.00227% 0.05797% 6E-05% 0.00269% 0.00428% 0.0007% 2.06584%

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:
7/21/2015

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.