

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:
30-015-43315

2. Well Name:
MAN STATE #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:32 Township:18S Range:28E
Feet from:330 N/S Line:S
Feet from:405 E/W Line:E

5. Bottom Hole Location:
Unit:M Lot:M Section:32 Township:18S Range:28E
Feet from:352 N/S Line:S
Feet from:341 E/W Line:W

6. latitude: 32.697553 longitude: -104.190034

7. County:
Eddy

9. 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: 6/24/2016 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97257

14. Gross Fractured Interval:
7,172 ft to 10,940 ft

15. True Vertical Depth (TVD):
6,985 ft

16. Total Volume of Fluid Pumped:
5,076,871 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	Water	7732-18-5		86.33823%
BC-140 X2	Halliburton	Crosslinker	Listed Below	Listed Below	0%	0%
CLA-WEB II	Halliburton	Clay Stabilizer	Listed Below	Listed Below	0%	0%
DCA-23003	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%
FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%
FE Acid < 10 %	Halliburton	Solvent	Listed Below	Listed Below	0%	0%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%
MO-67	Halliburton	Additive	Listed Below	Listed Below	0%	0%
N-zyme 3	Halliburton	Enzyme	Listed Below	Listed Below	0%	0%
OPTIFLO HTE	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
OptiKleen-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%
SAND-CRC 2040	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
SAND-PREMIUM WHITE-40/70	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
Scalechek(R) SCP-2	Halliburton	Scale Inhibitor	Listed Below	Listed Below	0%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%
SCALETROL 720	Baker Hughes	Scale Inhibitor	Listed Below	Listed Below	0%	0%
PARASORB	Baker Hughes	Paraffin Inhibitor	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	1,2-Benzisothiazolin-3-one 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid Acrylamide, sodium acrylate polymer Alcohols, C12-13, ethoxylated Alcohols, C12-16, ethoxylated Alcohols, C14-C15, ethoxylated Amine Amine salts Ammonium compound Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate C.I. Pigment Red 5 Calcium chloride (CaCl2) Chlorine compound Crystalline silica, quartz Crystalline silica: Quartz (SiO2) Cured acrylic resin Diatomaceous earth, calcined Enzyme Enzyme Ethoxylated alcohols Ethoxylated branched C13 alcohol Ethylene glycol Ethylene oxide Fatty acids, tall oil FD&C Blue 1 Glassy calcium magnesium phosphate Glycerine Guar gum Hexamethylenetetramine Hydrochloric acid Hydrotreated light petroleum distillate Methanol Mineral oil Monoethanolamine borate Olefins Phenol / formaldehyde resin Propargyl alcohol Quaternary amine Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Silica gel Sorbitan, mono-9-octadecenoate, (Z) Sodium chloride Sodium diacetate Sodium hydroxide Sodium perborate Sodium perborate tetrahydrate Sorbitan monooleate polyoxyethylene derivative Surfactant mixture Walnut hulls Water	2634-33-5 915-67-3 64-19-7 25987-30-8 66455-14-9 68551-12-2 68951-67-7 Proprietary Proprietary Proprietary 121888-68-4 6410-41-9 10043-52-4 Proprietary 14808-60-7 14808-60-7 Proprietary 91053-39-3 Proprietary Proprietary Proprietary 78330-21-9 107-21-1 75-21-8 Proprietary 3844-45-9 65997-17-3 56-81-5 9000-30-0 100-97-0 7647-01-0 64742-47-8 67-56-1 8042-47-5 26038-87-9 Proprietary 9003-35-4 107-19-7 Proprietary 68527-49-1 112926-00-8 1338-43-8 7647-14-5 126-96-5 1310-73-2 10486-00-7 9005-65-6 Proprietary CAS Not Assigned 7732-18-5	0.1% 0.1% 60% 30% 30% 5% 30% 0.1% 1% 30% 5% 1% 5% 30% 30% 5% 30% 60% 100% 2% 10% 30% 60% 30% 100% 5% 5% 30% 30% 1% 5% 1% 5% 30% 100% 100%	0% 3E-05% 0% 0.00913% 0.01261% 0.0021% 0.00036% 3E-05% 0.00032% 0.00881% 0.00588% 4E-05% 0% 0.00881% 11.93077% 0.0001% 0.00135% 0.00606% 2E-05% 0.00021% 0.00082% 0.00152% 0.01527% 0% 0.00036% 2E-05% 0.00118% 0.00152% 0.00035% 0.00152% 0.00183% 0.00348% 0.00152% 0.00235% 0.00428% 1.53082%

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

Date: 9/9/2016

E-mail Address: sdavis@conchoresources.com

Title: Regulatory Analyst

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