

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.
30-025-43023

2. Well Name:
FASCINATOR FEE COM #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:O Lot:O Section:30 Township:24S Range:35E
Feet from:210 N/S Line:S E/W Line:E
Feet from:1980

5. Bottom Hole Location:
Unit:J Lot:J Section:19 Township:24S Range:35E
Feet from:2276 N/S Line:S E/W Line:E
Feet from:1658

6. latitude: 32.161382 longitude: -103.403975

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: 7/14/2016 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
98098

14. Gross Fractured Interval:
12,665 ft to 19,710 ft

15. True Vertical Depth (TVD):
12,523 ft

16. Total Volume of Fluid Pumped:
13,034,661 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	100%	87.75942%
CL-28M CROSSLINKER	Halliburton	Crosslinker	Listed Below	Listed Below	0%	0%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Listed Below	Listed Below	0%	0%
Cla-Web(TM)	Halliburton	Additive	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-1A ACIDIZING COMPOSITION	Halliburton	Additive	Listed Below	Listed Below	0%	0%
FE-2A	Halliburton	Additive	Listed Below	Listed Below	0%	0%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%
HYDROCHLORIC ACID	Halliburton	Solvent	Listed Below	Listed Below	0%	0%
MO-67	Halliburton	pH Control Additive	Listed Below	Listed Below	0%	0%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
OptiKleen-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
SAND-CRC PREMIUM-40/70	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
Scalechek(R) SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Listed Below	Listed Below	0%	0%
SP BREAKER	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%
Parasorb 5000	Baker Hughes	Paaffin Inhibitor	Listed Below	Listed Below	0%	0%
Scaletrol	Baker Hughes	Scale Inhibitor	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	Acetic acid	64-19-7	60%	0.00303%
			Acetic anhydride	108-24-7	100%	0.00505%
			Acrylamide	79-06-1	0.01%	0%
			Acrylamide, sodium acrylate polymer	25987-30-8	30%	0.00442%
			Alcohols, C12-13, ethoxylated	66455-14-9	30%	0.01334%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00222%
			Amine salts	Proprietary	0.1%	0.0001%
			Ammonium persulfate	7727-54-0	100%	0.00327%
			Borate salts	Proprietary	60%	0.01075%
			Calcium chloride	10043-52-4	5%	0.0013%
			Citric acid	77-92-9	60%	0.00314%
			Crystalline silica, quartz	14808-60-7	100%	11.38674%
			Crystalline silica, Quartz	14808-60-7	1%	7E-05%
			Cured acrylic resin	Proprietary	30%	0.0006%
			Ethoxylated alcohols	Proprietary	30%	0.00023%
			Ethoxylated branched C13 alcohol	78330-21-9	5%	0.00074%
			Ethylene glycol	107-21-1	30%	0.00778%
			Ethylene oxide	75-21-8	0.01%	0%
			Fatty acids, tall oil	Proprietary	30%	0.00025%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01707%
			Guar gum	9000-30-0	100%	0.09215%
			Hexamethylenetetramine	100-97-0	2%	0.14534%
			Hydrochloric acid	7647-01-0	60%	0.33177%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00442%
			Hydroxyalkylammonium chloride	Proprietary	60%	0.02938%
			Inorganic mineral	Proprietary	5%	0.0009%
			Methanol	67-56-1	60%	0.0005%
			Mineral oil	8042-47-5	30%	0.00224%
			Olefins	Proprietary	5%	0.0001%
			Phenol / formaldehyde resin	9003-35-4	5%	0.36335%
			Polymer	Proprietary	1%	0.00018%
			Potassium hydroxide	1310-58-3	5%	0.00045%
			Potassium metaborate	13709-94-9	60%	0.00541%
			Propargyl alcohol	107-19-7	10%	8E-05%
			Quaternary amine	Proprietary	5%	0.00299%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00025%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5%	0.00074%
			Sodium chloride	7647-14-5	5%	0.00254%
			Sodium diacetate	126-96-5	5%	0.00074%
			Sodium hydroxide	1310-73-2	30%	0.00273%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00134%
			Sodium persulfate	7775-27-1	100%	0.00018%
			Sodium sulfate	7757-82-6	0.1%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	5%	0.00074%
			Water	7732-18-5	100%	0.66917%

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: 10/3/2016

E-mail Address: sdavis@conchoresources.com

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