

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:
30-015-38274

2. Well Name:
HONEY GRAHAM STATE COM #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:29 Township:26S Range:28E
Feet from:230 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:1 Lot:1 Section:32 Township:26S Range:28E
Feet from:347 N/S Line:S
Feet from:651 E/W Line:W
longitude:
6. latitude: 32.0195659460692 -104.107206131152

7. County:
Eddy

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: 8/31/2014 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
30215

14. Gross Fractured Interval:
8,004 ft to 14,335 ft

15. True Vertical Depth (TVD):
7,819 ft

16. Total Volume of Fluid Pumped:
7,064,639 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)
Water	Operator	Carrier	Water	7732-18-5	100%	85.00206%
HCl, 5.1 - 7.5%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	7.5%	0.11221%
Superset-W, 330 gl tote	Baker Hughes	Activator	Methanol Poly (Oxyethylene) Nonylphenol Ether	67-56-1 9016-45-9	50% 50%	0.01764% 0.01764%
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.01382%
GBW-5	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00022%
Enzyme G-III	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00433%
Clay Master-5C (Tote)	Baker Hughes	Clay Control	Oxyakylated Amine Quat	Trade Secret	60%	0.0089%
Ferrotrol 280L , 330 gl tote	Baker Hughes	Clay Control	2-Mercaptoethanol Ammonium Hydroxide Cupric Chloride	60-24-2 1336-21-6 7447-39-4	100% 5% 5%	0.00509% 0.00025% 0.00025%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride Water	67-48-1 7732-18-5	75% 30%	0.03384% 0.01353%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyoxyalkylenes Propargyl Alcohol Thiourea Polymer	Trade Secret 67-56-1 Trade Secret Trade Secret 107-19-7 68527-49-1	30% 60% 5% 30% 10% 30%	0.0008% 0.00159% 0.00013% 0.0003% 0.00027% 0.0008%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol Sodium Hydroxide Sodium Tetraborate	107-21-1 1310-73-2 1330-43-4	25% 9% 12%	0.0128% 0.00461% 0.00614%
GW-4	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	100%	0.16827%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Propylene Glycol	57-55-6	15%	0.00029%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Acetic acid ethenyl ester, polymer with ethene Crystalline Silica (Cristobalite) Crystalline Silica (Quartz) Diatomaceous Earth, Calcined (kieselguhr) Diatomaceous Earth, Natural (kieselguhr) Mineral Oil	Trade Secret 14464-46-1 14808-60-7 91053-39-3 61790-53-2 Trade Secret	15% 1% 1% 70% 10% 15%	0.00216% 0.00014% 0.00014% 0.0101% 0.00144% 0.00216%
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	10.37295%
Super LC, 20/40	Baker Hughes	Proppant	P/F Resin Silicon Dioxide (Silica Sand)	9003-35-4 14808-60-7	5% 97%	0.12988% 2.5196%
ScaleSorb 7 (50 lb)	Baker Hughes	Scale Inhibitor	Crystalline Silica (Quartz) Diatomaceous Earth, Calcined Organo Phosphorus Salt Sodium Chloride	14808-60-7 91053-39-3 Trade Secret 7647-14-5	1% 100% 30% 10%	9E-05% 0.00866% 0.0026% 0.00087%
Scaletrol 720, 330 gl tote	Baker Hughes	Scale Inhibitor	Calcium Chloride Ethylene Glycol	10043-52-4 107-21-1	5% 45%	0.00057% 0.00514%
InFlo 251G	Baker Hughes	Surfactant	Ethanol	64-17-5	10%	0.00419%
Ingredients shown above are subject to 29 CFR 1910			2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt Alcohols, C10-18, ethoxylated propoxylated Alcohols, C6-12, ethoxylated propoxylated Alcohols, ethoxylated Amines, unsatd, alkyl, ethoxylated Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt Formaldehyde Hemicellulase Enzyme Concentrate Hexamethylenetetramine Hydrated Magnesium Silicate Methanol Nonionic glycol ester Poly (Tetrafluoroethylene) Potassium Chloride Sodium Bisulfate Sodium Chloride Sodium Sulfonate Sodium laurimodipropionate Sodium octylimodipropionate Vinylidene Chloride-Methyl Acrylate Polymer Water	71050-62-9 Trade Secret Trade Secret Trade Secret Trade Secret Trade Secret 50-00-0 9025-56-3 100-97-0 Trade Secret 67-56-1 Trade Secret Trade Secret 7447-40-7 7631-90-5 7647-14-5 870-72-4 Trade Secret Trade Secret Trade Secret Trade Secret 7732-18-5	0% 0%	0.0022852% 0.0029341% 0.0029341% 0.0033532% 0.0016766% 3.86E-05% 1.3E-06% 0.0006136% 0.0002598% 4.33E-05% 0.0001152% 0.0004826% 2.16E-05% 0.0001143% 8.66E-05% 0.0004687% 4.33E-05% 1.93E-05% 5.79E-05% 0.0010823% 1.4613105%

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: 2/26/2015

E-mail Address: sdavis@conchoresources.com

Title: Regulatory Analyst

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.