

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:
30-015-43074

2. Well Name:
PUCKETT 13 FEDERAL #038H

3. Well Number:
038H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:12 Township:17S Range:31E
Feet from:1180 N/S Line:S
Feet from:470 E/W Line:E

5. Bottom Hole Location:
Unit:P Lot:P Section:13 Township:17S Range:31E
Feet from:1301 N/S Line:S
Feet from:396 E/W Line:E

6. latitude: 32.8451383686272 longitude: -103.816103065439

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: 7/17/2015 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97213

14. Gross Fractured Interval:
6,831 ft to 10,351 ft

15. True Vertical Depth (TVD):
5,548 ft

16. Total Volume of Fluid Pumped:
1,940,313 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%	79.09094%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140, BE-6 MICROBIOCIDE, BE-9, FE-1A ACIDIZING C	Halliburton	Additive, Biocide, Breaker, Cleaner, Corrosion Inhibitor, Crosslinker, Gelling Agent, Microbiocide,	NA	NA	0%	0%
WG-36 GELLING AGENT CAT - 106 SI	Halliburton CATALYST OILFIELD SERVICES, LLC	Scale Inhibitor	NA NA 1,2-Benzisothiazolin-3-one 2-Bromo-2-nitro-1,3-propanediol 2-Ethyl hexanol Acetic acid Acetic anhydride Alcohols, C14-C15, ethoxylated Alkane Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex C.I. Pigment Red 5 Calcium chloride Citric acid Complex alkylamine Crystalline silica, quartz Crystalline Silica, Quartz Cured acrylic resin Enzyme Ethoxylated alcohol Ethoxylated nonylphenol Ethylene glycol Ethylene glycol monobutyl ether Ethylene oxide Ethylenediaminetetraacetic acid, tetrasodium salt Fatty acids, tall oil Glassy calcium magnesium phosphate Guar gum Hexamethylenetetramine Hydrochloric acid HYDROCHLORIC ACID Methanol Monoethanolamine borate Olefins Phenol / formaldehyde resin PHOSPHONATE COMPOUND Poly(oxy-1,2-ethanediyl), alpha -isodecyl- omega -hydroxy- Propargyl alcohol Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Silica gel Sodium bicarbonate Sodium chloride Surfactant mixture Tributyl tetradecyl phosphonium chloride Walnut hulls Water	NA NA 2634-33-5 52-51-7 104-76-7 64-19-7 108-24-7 68951-67-7 Confidential 121888-68-4 6410-41-9 10043-52-4 77-92-9 Proprietary 14808-60-7 14808-60-7 Confidential Confidential Confidential Confidential 107-21-1 111-76-2 75-21-8 64-02-8 Confidential 65997-17-3 9000-30-0 100-97-0 7647-01-0 7647-01-0 67-56-1 26038-87-9 Confidential 9003-35-4 Confidential 61827-42-7 107-19-7 68527-49-1 112926-00-8 144-55-8 7647-14-5 Confidential 81741-28-8 NA 7732-18-5	0% 0% 0.1% 100% 30% 60% 100% 30% 1% 5% 100% 0.1% 100% 30% 5% 10% 100% 5% 60% 60% 5% 10% 30% 1% 0.1% 30% 1% 10% 100% 100%	0% 0% 0% 0.00012% 0.00097% 0.01098% 0.0183% 0.00091% 0.0004% 0.00764% 8E-05% 0% 0.0114% 0.00201% 18.6098% 0.00015% 0.00243% 0.00039% 0.00194% 0.00032% 0.01621% 0.00194% 0% 0% 0.00091% 0.01605% 0.15276% 0.0512% 1.14719% 0.00037% 0.00185% 0.0321% 0.00036% 0.12799% 0.02196% 0.01205% 0.0003% 0.00091% 0.00153% 0% 0.0001% 0.00306% 0.00387% 0.00783% 2.03982%

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: Chasity Jackson Title: Regulatory Analyst

Date: 8/28/2015

E-mail Address: cjackson@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.