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 February 15, 2012

1. WELL API NO.
30-015-39624

2. Well Name:
PAINT 32 FEE #004H

3. Well Number:
004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:32 Township:18S Range:26E
Feet from:380 N/S Line:S
Feet from:190 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:32 Township:18S Range:26E
Feet from:423 N/S Line:S
Feet from:349 E/W Line:E

6. latitude: 32.6982389904827 longitude: -104.412494411272

7. County:
Eddy

8. Operator Name and Address:
COG OPERATING LLC
550 W TEXAS
SUITE 1300
MIDLAND 79701

9. OGRID: 229137

10. Phone Number:

11. Last Fracture Date: 5/16/2012 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
50270

14. Gross Fractured Interval:
2,955 ft to 7,147 ft

15. True Vertical Depth (TVD):
2,739 ft

16. Total Volume of Fluid Pumped:
35,714 bbls

17. **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				100%	76.18327%
HF ACID 12%/3%	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	2.06618%
			Hydrofluoric acid	7664-39-3	5%	0.10331%
100 MESH	Halliburton				100%	0.5275%
Ottawa 20/40	Halliburton				100%	16.56355%
CRC-20/40	Halliburton				100%	4.16738%
BE-7™	Halliburton	Biocide	Sodium hydroxide	1310-73-2	2%	0.00111%
			Sodium hypochlorite	7681-52-9	30%	0.01672%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02459%
			Monoethanolamine borate	26038-87-9	100%	0.08198%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00033%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02338%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02338%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00093%
			Ethanol	64-17-5	60%	0.05597%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02799%
			Naphthalene	91-20-3	5%	0.00466%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00466%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00153%
			Walnut hulls	Mixture	100%	0.00512%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18244%
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00213%
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.03136%

18. 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: 8/7/2012
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.