| Submit within 45 day well completion | Energy, Minerals and | | | | Revised February 15, 201 1. WELL API NO. 30-025-40685 | | | | | |
|--|-----------------------|---|--------------------------------------|------------|---|--|-------------|--------------------------|------------|--|
| | 0 | Natural Resources Oil Conservation Division | | | | 2. Well Name: PINTAIL 3 FEDERAL #002H | | | | |
| 1220 S. St Francis Dr. Santa Fe, NM 87505 | | | | | 3. Well Number: 002H | | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE ☑ Original | | | | | 4. Surface Hole Location: Unit:P Lot:P Section:3 Township:26S Range:32E Feet from:330 N/S Line:S Feet from:480 E/W Line:E | | | | | |
| □ Amendment | | | | | 5. Bottom Hole Location: Unit:A Lot:A Section:3 Township:26S Range:32I Feet from:350 N/S Line:N Feet from:429 E/W Line:E 6. latitude: longitude: | | | | | |
| | | | | | 32.0659746508593 - 103.65574959169 | | | | | |
| | | | | | 7. County: Lea | | | | | |
| Operator Name and Address: COG PRODUCTION, LLC 600 W. Illinois Ave Midland 79701 | | | | | 9. OGRID | | | one Number: 432-685 | | |
| 11. Last Fracture Date: 12/30/2012 Frac Performed by: Baker Hughes | | | | | 12. Production Type: O | | | | | |
| 13. Pool Code(s): 97838 | | | | | 14. Gross Fractured Interval: 9.684 ft to 13.914 ft | | | | | |
| 15. True Vertical Depth (TVD): 9,522 ft | | | | | 16. Total Volume of Fluid Pumped: 21 bbls | | | | | |
| 17. HYDRAULIC FLU Trade Name | Supplier | Purpose | Ingredients | | Chemical Service # | Maximum Ingredient Concentration in Additive (% by mass) | | Maximum Concentrate | tion in HF | |
| Parasorb 5000, bag | Baker Hughes | Paraffin Inhibitor | Calcined Diatomaceous Earth | 91053-39-3 | | | 65% | | 889989 | |
| | | | Proprietary Paraffin Inhibitor | 14808-60-7 | | 25% | | 6.94 | 573079 | |
| | | | Silica, Crystalline- Quartz | | | 5% | | 1.3891461% | | |
| | | | White Mineral Oil | 8042-47-5 | | 30% | | 8.33 | 48768% | |
| Scaletrol 720, 330 gl tote | Baker Hughes | Scale Inhibitor | Calcium Chloride | 10043-52-4 | | 5% | | 3.1057874% | | |
| | | Ethylene 107-21- Glycol | | 1 | 30% | | 18.6347244% | | | |
| | gned Electro | | | | | a service and a service and | | knowledge ng Tech - N | | |
| A SECTION AND ADDRESS OF THE PARTY OF THE PA | 1/2013 onnally@cor | icho.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.