

|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 |                                                                       |                                     |                                                          |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Submit within 45 days of well completion                                                                                                           | State of New Mexico<br>Energy, Minerals and Natural Resources<br>Oil Conservation Division<br>1220 S. St Francis Dr.<br>Santa Fe, NM 87505 | Revised November 6, 2013                                                                                                                                        |                                                                       |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 1. WELL API NO:<br>30-015-41910                                                                                                                                 |                                                                       |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 2. Well Name:<br>CROW FEDERAL #020H                                                                                                                             |                                                                       |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 3. Well Number:<br>020H                                                                                                                                         |                                                                       |                                     |                                                          |                                                          |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><input checked="" type="checkbox"/> Original<br><input type="checkbox"/> Amendment                     |                                                                                                                                            | 4. Surface Hole Location:<br>Unit: I    Lot: I    Section: 10    Township: 17S    Range: 31E<br>Feet from: 2310    N/S Line: S<br>Feet from: 370    E/W Line: E |                                                                       |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit: I    Lot: I    Section: 10    Township: 17S    Range: 31E<br>Feet from: 2310    N/S Line: S<br>Feet from: 370    E/W Line: E  |                                                                       |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 6. Latitude: 32.8482009442335    Longitude: -103.850200880077                                                                                                   |                                                                       |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 7. County: Eddy                                                                                                                                                 |                                                                       |                                     |                                                          |                                                          |
| 8. Operator Name and Address:<br>APACHE CORP<br>303 Veterans Airpark Lane<br>Suite 3000<br>Midland 79705                                           |                                                                                                                                            | 9. OGRID: 873                                                                                                                                                   | 10. Phone Number: 432-818-1062                                        |                                     |                                                          |                                                          |
| 11. Last Fracture Date: 5/17/2014    Frac Performed by: pumpco                                                                                     |                                                                                                                                            | 12. Production Type:<br>O                                                                                                                                       |                                                                       |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>26770                                                                                                                         |                                                                                                                                            | 14. Gross Fractured Interval:<br>6,262 ft to 9,902 ft                                                                                                           |                                                                       |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>6,200 ft                                                                                                         |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>2,905,694 gals                                                                                                             |                                                                       |                                     |                                                          |                                                          |
| 17. Total Volume of Re-Use Water Pumped:<br>N/A                                                                                                    |                                                                                                                                            | 18. Percent of Re-Use Water in Fluid Pumped:<br>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                                                                                                                                              | Sunbelt                                                                                                                                    | Carrier/Base Fluid                                                                                                                                              | Water                                                                 | 7732-18-5                           | 100%                                                     | 86.9998%                                                 |
| Sand (Proppant)                                                                                                                                    | TSS                                                                                                                                        | Proppant                                                                                                                                                        | Silica Substrate                                                      | 14808-60-7                          | 100%                                                     | 9.03795%                                                 |
| Hydrochloric Acid (15%)                                                                                                                            | Reagent                                                                                                                                    | Acidizing                                                                                                                                                       | Hydrochloric Acid                                                     | 7647-01-0                           | 15%                                                      | 0.52007%                                                 |
| AP-Scale-1                                                                                                                                         | Blentech                                                                                                                                   | Scale Inhibitor                                                                                                                                                 | Ethylene Glycol                                                       | 107-21-1                            | 35%                                                      | 0.01624%                                                 |
| AP-Surf-1A                                                                                                                                         | Blentech                                                                                                                                   | Surfactant                                                                                                                                                      | Polyacrylate blend                                                    | Proprietary                         | 7%                                                       | 0.00325%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Methanol                                                              | 67-56-1                             | 25%                                                      | 0.02075%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Sulfonate                                                             | Proprietary                         | 4%                                                       | 0.00332%                                                 |
| AP-FR-1                                                                                                                                            | Ashland                                                                                                                                    | Friction Reducer                                                                                                                                                | Alkyl alkoxylate                                                      | Proprietary                         | 11%                                                      | 0.00913%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Hydrocarbon-aliphatic                                                 | 25450-40-01                         | 5%                                                       | 0.00398%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Fatty alcohol alkoxylate                                              | Proprietary                         | 1.5%                                                     | 0.00119%                                                 |
| AC-307                                                                                                                                             | Reef                                                                                                                                       | Iron Control                                                                                                                                                    | Polyacrylate based copolymer                                          | Proprietary                         | 30%                                                      | 0.02386%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Glacial Acetic Acid                                                   | 64-19-7                             | 1%                                                       | 0.0001%                                                  |
| AI-265                                                                                                                                             | Reef                                                                                                                                       | Acid Inhibitor                                                                                                                                                  | Isopropanol                                                           | 67-63-0                             | 1.5%                                                     | 0.00015%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Isopropanol                                                           | 67-63-0                             | 15%                                                      | 0.00046%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Methanol                                                              | 67-56-1                             | 15%                                                      | 0.00046%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Propargyl Alcohol                                                     | 107-19-7                            | 20%                                                      | 0.00061%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Xylene                                                                | 1330-20-7                           | 25%                                                      | 0.00077%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Isooctyl Alcohol                                                      | 68526-88-5                          | 25%                                                      | 0.00077%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Bottoms                                                               |                                     |                                                          |                                                          |
| ANG-2077                                                                                                                                           | Reef                                                                                                                                       | Non-Emulsifier                                                                                                                                                  | Formaldehyde                                                          | 50-00-0                             | 0.1%                                                     | 0%                                                       |
| AP-Bio-1                                                                                                                                           | Dow Chemical Company                                                                                                                       | Biocide                                                                                                                                                         | Peptide Derivative                                                    | Proprietary                         | 1.5%                                                     | 6E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Glutaraldehyde                                                        | 111-30-8                            | 42.5%                                                    | 0.01911%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1                          | 7.5%                                                     | 0.00337%                                                 |
| Claymax                                                                                                                                            | Chemplex                                                                                                                                   | Clay Stabilizer                                                                                                                                                 | Ethanol                                                               | 64-17-5                             | 1%                                                       | 0.00045%                                                 |
| Plexset 730                                                                                                                                        | Chemplex                                                                                                                                   | Proppant                                                                                                                                                        | Choline Chloride                                                      | 67-48-1                             | 65%                                                      | 0.11708%                                                 |
|                                                                                                                                                    |                                                                                                                                            | Consolidator                                                                                                                                                    | Alcohol Ethoxylates                                                   | Proprietary                         | 60%                                                      | 0.02629%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 | Methyl Alcohol                                                        | 67-56-1                             | 50%                                                      | 0.02191%                                                 |
| 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: EMILY FOLLIS                                                                                                                                      |                                                                       | Title: Sr Prod Dept Asst            |                                                          |                                                          |
| Date: 1/13/2015                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                 |                                                                       |                                     |                                                          |                                                          |
| E-mail Address: emily.follis@apachecorp.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.