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. 30-045-35330
2. Well Name: STEWART LS #008N
3. Well Number: 008N

## HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:F Lot:6 Section:28 Township:30N Range:10W Feet from:1599 N/S Line:N Feet from:1788 E/W Line:W
5. Bottom Hole Location: Unit:F Lot:6 Section:28 Township:30N Range:10W Feet from:1599 N/S Line:N Feet from:1788 E/W Line:W
6. latitude: 0 longitude: 0
7. County: San Juan

8. Operator Name and Address: CONOCOPHILLIPS COMPANY, 3401 E. 30th Street, Farmington 87402
9. OGRID: 217817
10. Phone Number: 505-326-9518
11. Last Fracture Date: 7/24/2012 Frac Performed by: Baker Hughes
12. Production Type: G
13. Pool Code(s): 71599, 72319, 97232
14. Gross Fractured Interval: 4,490 ft to 7,456 ft
15. True Vertical Depth (TVD): 7,505 ft
16. Total Volume of Fluid Pumped: 9,266 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) |
|---|---|---|---|---|---|---|
| Water | Operator | Carrier | Water | 7732-18-5 | 100% | 79.7793% |
| KCl | Operator | Clay Stabilizer | Potassium Chloride | 7447-40-7 | 100% | 0.42346% |
| HCl, 10.1 - 15% | Baker Hughes | Acidizing | Hydrochloric Acid | 7647-01-0 | 15% | 0.07527% |
| | | | Water | 7732-18-5 | 85% | 0.42655% |
| Alpha 1427 | Baker Hughes | Biocide | Didecyl Dimethyl Ammonium Chloride | 7173-51-5 | 10% | 0.00744% |
| | | | Ethanol | 64-17-5 | 5% | 0.00372% |
| | | | Glutaraldehyde | 111-30-8 | 30% | 0.02232% |
| | | | Quaternary Ammonium Compound | 68424-85-1 | 5% | 0.00372% |
| GBW-5 | Baker Hughes | Breaker | Ammonium Persulfate | 7727-54-0 | 100% | 0.01023% |
| Enzyme G-I | Baker Hughes | Breaker | Hemicellulase Enzyme Concentrate | 9025-56-3 | 3% | 0.00028% |
| | | | Water | 7732-18-5 | 97% | 0.009% |
| High Perm CRB | Baker Hughes | Breaker | Ammonium Persulphate | 7727-54-0 | 60% | 0.00089% |
| | | | Crystalline Silica Quartz | 14808-60-7 | 30% | 0.00044% |
| BF-7L, Tote | Baker Hughes | Buffer | Potassium Carbonate | 584-08-7 | 60% | 0.01848% |
| | | | Potassium Hydroxide | 1310-58-3 | 1% | 0.00031% |
| | | | Water | 7732-18-5 | 60% | 0.01848% |
| BF-7L | Baker Hughes | Buffer | Potassium Carbonate | 584-08-7 | 60% | 0.01404% |
| | | | Potassium Hydroxide | 1310-58-3 | 1% | 0.00023% |
| | | | Water | 7732-18-5 | 60% | 0.01404% |
| CorrSorb 3500 | Baker Hughes | Corrosion Inhibitor | Acid Phosphate Ester | Trade Secret | 10% | 0.00117% |
| | | | Crystalline Silica: Quartz (SiO2) | 14808-60-7 | 1% | 0.00012% |
| | | | Diatomaceous Earth, Calcined | 91053-39-3 | 100% | 0.01174% |
| | | | Ethanol | 64-17-5 | 5% | 0.00059% |
| | | | Quaternary Ammonium Compound | Trade Secret | 30% | 0.00352% |
| CI-27 | Baker Hughes | Corrosion Inhibitor | Fatty Acids | Trade Secret | 30% | 0.00055% |
| | | | Methanol | 67-56-1 | 60% | 0.0011% |
| | | | Olefin | Trade Secret | 5% | 9E-05% |
| | | | Polyoxyalkylenes | Trade Secret | 30% | 0.00055% |
| | | | Propargyl Alcohol | 107-19-7 | 10% | 0.00018% |
| XLW-32, 260 gal tote | Baker Hughes | Crosslinker | Boric Acid (H3BO3) | 10043-35-3 | 30% | 0.00705% |
| | | | Methanol | 67-56-1 | 60% | 0.01411% |
| | | | Methyl Borate | 121-43-7 | 30% | 0.00705% |
| FAW-4 | Baker Hughes | Foamer | 2-Butoxyethanol | 111-76-2 | 10% | 0.00591% |
| | | | Ammonium Lauryl Ether Sulphate | 32612-48-9 | 30% | 0.01774% |
| | | | Ethanol | 64-17-5 | 5% | 0.00296% |
| | | | Isopropanol | 67-63-0 | 30% | 0.01774% |
| FRW-20 | Baker Hughes | Friction Reducer | Petroleum Distillates | 64742-47-8 | 30% | 0.01527% |
| GW-3LDF | Baker Hughes | Gelling Agent | 1-Butoxy-2-Propanol | 5131-66-8 | 5% | 0.00621% |
| | | | Cyrstalline Silica, Quartz (SiO2) | 14808-60-7 | 5% | 0.00621% |
| | | | Guar Gum | 9000-30-0 | 60% | 0.07451% |
| | | | Isotridecanol, ethoxylated | 9043-30-5 | 5% | 0.00621% |
| | | | Paraffinic Petroleum Distillate | 64742-55-8 | 30% | 0.03726% |
| | | | Petroleum Distillates | 64742-47-8 | 30% | 0.03726% |
| Ferrotrol 300L | Baker Hughes | Iron Control | Citric Acid | 77-92-9 | 60% | 0.00203% |
| Nitrogen | Baker Hughes | Nitrogen | Liquid Nitrogen | 7727-37-9 | 100% | 10.01012% |
| NE-900, drum | Baker Hughes | Non-emulsifier | Methanol | 67-56-1 | 30% | 0.01938% |
| | | | Nonyl Phenyl Polyethylene Glycol Ether | 9016-45-9 | 10% | 0.00646% |
| Sand, Brown, 20/40 | Baker Hughes | Proppant | Crystalline Silica (Quartz) | 14808-60-7 | 100% | 4.70287% |
| Sand, non-API, 40/70 mesh | Baker Hughes | Proppant | Crystalline Silica (Quartz) | 14808-60-7 | 100% | 4.00878% |
| ScaleSorb 3, (25# pail) | Baker Hughes | Scale Inhibitor | Amino Alkyl Phosphonic Acid | Trade Secret | 30% | 0.00297% |
| | | | Crystalline Silica: Quartz (SiO2) | 14808-60-7 | 1% | 0.0001% |
| | | | Diatomaceous Earth, Calcined | 91053-39-3 | 100% | 0.00989% |
| | | | Phosphonic Acid | 13598-36-2 | 1% | 0.0001% |
| GasFlo G, 330 gal tote | Baker Hughes | Surfactant | Methanol | 67-56-1 | 30% | 0.02871% |
| | | | Mixture of Surfactants | Trade Secret | 60% | 0.05742% |
| | | | Water | 7732-18-5 | 50% | 0.04785% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |

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: Denise D Journey
Title: Regulatory Technician
Date: 9/14/2012
E-mail Address: Denise.Journey@conocophillips.com

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