| Hydraulic | Fracturing | Fluid | Disclosure |
|-----------|------------|-------|------------|
|-----------|------------|-------|------------|

| Hydraulic Fracturing | g Fluic | Disclosure | | | | | | Page 1 of 2 | |
|--|----------|---|--------------------------------------|---------------------------|--|---|-----------------------|---|--|
| Submit within 45 days of completion | well | 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. 30-025-43109 | | | |
| | | | | | | | | | |
| | | | | | | 2. Well Name: FLAT HEAD FEDERAL COM #025H | | | |
| | | | | | | | | | |
| | | | | | | 3. Well Number: 025H | | | |
| HYDRAULI | | ACTURING FLUI | | 000 | | 4. Surface Hole L Unit:B Lot:B S Feet from:1015 Feet from:2310 | ection:14 T | ownship:17S Range:32E /S Line:N /W Line:E | |
| | | HOBBS OCD | | | | 5. Bottom Hole Location: | | | |
| Amendment | | | | | | Unit:B Lot:B Section:14 Township:17S Range:32E Feet from:1015 N/S Line:N Feet from:2310 E/W Line:E 6. latitude: longitude: 32.83901162 -103.736018 7. County: | | | |
| RECEIVED | | | | VED | | | | | |
| , | | | | | | Lea | | | |
| 8. Operator Name and Add COG OPERA | | LC | | | 9. OGRID | 229137 | 10. Phone 685-4332 | | |
| 11. Last Fracture Date: | 3/4/20 | 17 Frac Performed by: Pur | npCo Services | | 12. Produ | ction Type: O | | | |
| 13. Pool Code(s): 44500 | | | | | 14. Gross Fractured Interval: 6,845 ft to 12,486 ft | | | | |
| 15. True Vertical Depth (TVD): 6,550 ft | | | | | 16. Total Volume of Fluid Pumped: 6,148,506 gals | | | | |
| | | | | | 18. Perce | Percent of Re-Use Water in Fluid Pumped: | | | |
| | LUID C | OMPOSITION AND C | ONCENTRAT | | | | | | |
| Trade Name | Supplier | Purpose | Ingredients | (CAS #) Ch Abstract Se | | Maximum Ingr Concentration (% by mass) | | Fluid (% by mass) | |
| Water | Operate | or Carrier/Base Fluid | Water | 7732-18-5 | 5 | | 100% | 88.25828% | |
| Sand | TSS | Proppant | Silica Substrate | 14808-60- | -7 | | 100% | 9.62501% | |
| 15% HCL | Reager | | Hydrochloric Acid | 7647-01-0 | | | 15% | 0.28702% | |
| Chemplex 4-N-1 | Chemp | lex Combination/Iron | | 104-76-7 | | | 10% | 0.00219% | |
| | | Control | Acetic Acid 64-19-7 | | | 85% | | 0.0186% | |
| | | | Alcohol Ethoxylate Surfactants | Proprietar | у | | 2% | 0.00044% | |
| | | | Cocamide | 68603-42- | .9 | | 2% | 0.00044% | |

| Reagent | Acidizing | Hydrochloric Acid | 7647-01-0 | 15% | 0.28702% |
|----------|------------------|--|--|--|---|
| Chemplex | Combination/Iron | 2-Ethylhexanol | 104-76-7 | 10% | 0.00219% |
| | Control | Acetic Acid | 64-19-7 | 85% | 0.0186% |
| | | Alcohol Ethoxylate Surfactants | Proprietary | 2% | 0.00044% |
| | | Cocamide Diethanolamine Salt | 68603-42-9 | 2% | 0.00044% |
| | | Diethanolamine | 111-42-2 | 2% | 0.00044% |
| | | Methyl Alcohol | 67-56-1 | 10% | 0.00219% |
| | | n-olefins | Proprietary | 1% | 0.00022% |
| | 1 | Propargyl Alcohol | 107-19-7 | 1% | 0.00022% |
| | | thiourea- formaldehyde copolymer | 68527-49-1 | 2% | 0.00044% |
| Chemplex | Breaker | Hydrogen Peroxide | 7722-84-1 | 7% | 0.0031% |
| Chemplex | Friction Reducer | Ammonium Chloride | 12125-02-9 | 5% | 0.00462% |
| | | Nonionic Surfactants | Proprietary | 1.5% | 0.00139% |
| | | Paraffinic, Naphtehenic Solvent | 64742-47-8 | 30% | 0.02773% |
| | Chemplex | Chemplex Combination/Iron Control | AcidChemplexCombination/Iron Control2-Ethylhexanol Acetic AcidChemplexCombination/Iron ControlAcetic Acid Alcohol Ethoxylate SurfactantsCocamide Diethanolamine SaltDiethanolamine SaltDiethanolamine Methyl Alcohol n-olefinsPropargyl Alcohol thiourea- formaldehyde copolymerChemplexBreakerHydrogen PeroxideChemplexFriction Reducer Nonionic SurfactantsAmmonium Chloride Nonionic Surfactants | AcidChemplexCombination/Iron Control2-Ethylhexanol Acetic Acid104-76-7ControlAcetic Acid64-19-7AlcoholProprietaryEthoxylate Surfactants68603-42-9Diethanolamine Salt0Diethanolamine Salt111-42-2Methyl Alcohol67-56-1n-olefinsProprietaryPropargyl Alcohol107-19-7Alcohol107-19-7Alcohol107-19-7Alcohol68527-49-1formaldehyde copolymer68527-49-1ChemplexBreakerHydrogen PeroxideFriction ReducerAmmonium Chloride12125-02-9ChemplexFriction ReducerAmmonium SurfactantsParaffinic, Naphtehenic64742-47-8 | AcidChemplexCombination/Iron Control2-Ethylhexanol Acetic Acid104-76-710%Acetic Acid64-19-785%AlcoholProprietary2%Ethoxylate Surfactants2%Cocamide Diethanolamine Salt68603-42-92%Diethanolamine Salt0Proprietary2%Methyl Alcohol67-56-110%n-olefinsProprietary1%Propargyl thiourea- formaldehyde copolymer107-19-71%ChemplexBreakerHydrogen Proprietary7722-84-12%ChemplexFriction Reducer Nonionic SurfactantsAmmonium Proprietary12125-02-95% ChlorideChemplexFriction Reducer Paraffinic, NaphtehenicProprietary1.5% Surfactants |

| Hydraulic Fracturin | ng Fluid Disclo | osure | | | | Page 2 of 2 |
|----------------------------|--------------------------|------------------------|---|--------------------------|-----------------------------|-------------|
| | | | Poly (acrylamide-co- acrylic acid), partial sodium salt | 62649-23-4 | 35% | 0.03235% |
| Plexsurf 240E | Chemplex | Non Ionic | Methyl Alcohol | 67-56-1 | 20% | 0.00891% |
| | | Surfactant | Alcohol Alkoxylate | Proprietary | 20% | 0.00891% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |
| | | | | | 0% | 0% |
| 20. I, as Operator, hereby | certify that the inform | nation shown on this d | lisclosure form is true | and complete to the best | of my knowledge and belief. | |
| Signature: | Signature: Printed Name: | | | Title: | | |
| Date: | | | | | | |
| E-mail Address: | | | | | | |

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.