

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: 30-045-35147							
		2. Well Name: MARY ROSE COM #002							
		3. Well Number: 002							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:20 Township:22N Range:08W Feet from:1095 N/S Line:S Feet from:1260 E/W Line:E							
		5. Bottom Hole Location: Unit:P Lot:P Section:20 Township:22N Range:08W Feet from:1095 N/S Line:S Feet from:1260 E/W Line:E							
		6. latitude: longitude: 0 0							
		7. County: San Juan							
8. Operator Name and Address: DUGAN PRODUCTION CORP PO BOX 420 FARMINGTON 87499		9. OGRID: 6515		10. Phone Number:					
11. Last Fracture Date: 9/27/2012 Frac Performed by: Baker Hughes		12. Production Type: G							
13. Pool Code(s): 71629		14. Gross Fractured Interval: 562 ft to 593 ft							
15. True Vertical Depth (TVD): 593 ft		16. Total Volume of Fluid Pumped: 475 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%	58.14506%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.2535%			
			Water	7732-18-5	85%	1.4365%			
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00087%			
			Water	7732-18-5	97%	0.02828%			
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.0021%			
BC-6	Baker Hughes	Breaker Catalyst	Triethanolamine	102-71-6	60%	0.02261%			
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.08887%			
			Potassium Hydroxide	1310-58-3	1%	0.00148%			
			Water	7732-18-5	60%	0.08887%			
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00156%			
			Methanol	67-56-1	60%	0.00312%			
			Olefin	Trade Secret	5%	0.00026%			
			Polyoxyalkylenes	Trade Secret	30%	0.00156%			
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Propargyl Alcohol	107-19-7	10%	0.00052%			
			Acid Phosphate Ester	9046-01-9	5.47%	0.00382%			
			Crystalline Silica Quartz	14808-60-7	1%	0.0007%			
			Diatomaceous Earth, Calcined	91053-39-3	80%	0.05594%			
XLW-32	Baker Hughes	Crosslinker	Quaternary Ammonium Chloride	61789-71	15.06%	0.01053%			
			Boric Acid (H3BO3)	10043-35-3	30%	0.01425%			
			Methanol	67-56-1	60%	0.02851%			
			Methyl Borate	121-43-7	30%	0.01425%			
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Alkyl Sulfate	Trade Secret	1%	0.00813%			
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.02712%			
			Isopropanol	67-63-0	30%	0.08135%			
			Sodium Sulfonate	68439-57-6	30%	0.08135%			
GW-3LDF	Baker Hughes	Gelling Agent	1-Butoxy-2-Propanol	5131-66-8	5%	0.02074%			
			Cyrstalline Silica, Quartz (SiO2)	14808-60-7	5%	0.02074%			
			Guar Gum	9000-30-0	60%	0.24894%			
			Isotridecanol, ethoxylated	9043-30-5	5%	0.02074%			
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.12447%			
			Petroleum Distillates	64742-47-8	30%	0.12447%			
Ferrotrol 300L	Baker Hughes	Iron Control	Citric Acid	77-92-9	60%	0.0022%			
Nitrogen	Baker Hughes	Nitrogen	Liquid Nitrogen	7727-37-9	100%	6.3373%			
Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	32.20768%			
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.02098%			
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.0007%			
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.06993%			
			Phosphonic Acid	13598-36-2	1%	0.0007%			
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.05368%			
			Mixture of Surfactants	Trade Secret	60%	0.10736%			
			Water	7732-18-5	50%	0.08947%			
Ingredients shown above are subject to 29 CFR 1910			2-Butoxy-1-Propanol	15821-83-7	0%	0.0003319%			
			85% Phosphoric Acid, FG	10361-65-6	0%	2E-07%			
			Boric Acid	10043-35-3	0%	2E-07%			
			Calcium Carbonate	471-34-1	0%	0.0001468%			
			Calcium Chloride	10043-52-4	0%	4E-07%			
			Corn Meal	N.A.	0%	0.0017411%			
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	2E-07%			
			D-Biotin ,USP	119616-38-5	0%	2E-07%			
			Ethoxylated Alcohol	NP-R2429_2	0%	0.0027116%			
			Ethylene Glycol	107-21-1	0%	0.0033689%			
			Fatty Amide	70851-08-0	0%	0.0027116%			
			Derivative						
			Ferric Chloride, Hexahydrate	7705-08-0	0%	2E-07%			
			Formaldehyde	50-00-0	0%	0.0027375%			
			Linseed Meal	8001-26-1	0%	0.0002098%			
			Magnesium Sulfate	7487-88-9	0%	2E-07%			
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	2.3E-06%			
			Modified Thiourea Polymer	68527-49-1	0%	0.0005714%			
			Phosphoric Acid	7664-38-2	0%	7.69E-05%			
			Polyethylene Glycol	25322-68-3	0%	2E-07%			
			Polyoxyalkylenes	78330-21-9	0%	0.0002517%			
			Potassium Sulfate	7778-80-5	0%	2E-07%			
			Sodium Chloride	7647-14-5	0%	0.0028005%			
			Sodium Molybdate	7631-95-0	0%	2E-07%			
			Sodium Sulfate	7757-82-6	0%	0.0027116%			
			Soy Isoflavone	486-66-8	0%	2E-07%			
			Thiamine-HCl	67-03-8	0%	2E-07%			
			Thioglycolic Acid	68-11-1	0%	0.0001049%			
			Water	7732-18-5	0%	0.1283007%			
			Yeast Extract	8013-01-2	0%	2E-07%			
			Zinc Sulfate Heptahydrate	7446-19-7	0%	2E-07%			
			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: TYRA M FEIL		ENGINEERING		
Date: 10/31/2012				Title: ASSISTANT					
E-mail Address: tyrafeil@duganproduction.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.