

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 November 6, 2013							
		1. WELL API NO: 30-045-35232							
		2. Well Name: FEDERAL B COM #091							
		3. Well Number: 091							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:13 Section:31 Township:30N Range:11W Feet from:1355 N/S Line:S Feet from:2040 E/W Line:W							
		5. Bottom Hole Location: Unit:K Lot:13 Section:31 Township:30N Range:11W Feet from:1355 N/S Line:S Feet from:2040 E/W Line:W							
		6. latitude: 36.7652923052493 longitude: -108.03383172581							
		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: 9/16/2014 Frac Performed by: Baker Hughes		12. Production Type: G							
13. Pool Code(s): 71629		14. Gross Fractured Interval: 1,941 ft to 2,030 ft							
15. True Vertical Depth (TVD): 2,201 ft		16. Total Volume of Fluid Pumped: 26,321 gals							
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %							
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	Dugan Production Corp.	Carrier	Water	7732-18-5	100%	53.16908%			
Alpha 1427	Baker Hughes	Biocide	Didecyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.00212%			
			Ethanol	64-17-5	5%	0.00106%			
			Glutaraldehyde	111-30-8	30%	0.00636%			
			Quaternary Ammonium Compound	68424-85-1	5%	0.00106%			
GBW-5	Baker Hughes	Breaker	Ammonium persulfate	7727-54-0	100%	0.00727%			
Enzyme G-1	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of report	NA	0%	0%			
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.00121%			
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.07479%			
ClayCare, ClayTreat-2C, 330 gal tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05289%			
			Water	7732-18-5	30%	0.02116%			
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Acid Phosphate Ester	Trade Secret	10%	0.00485%			
			Crystalline Silica: Quartz	14808-60-7	1%	0.00048%			
			Diatomaceous Earth	91053-39-3	100%	0.04845%			
			Ethylene Glycol	107-21-1	1%	0.00048%			
			Quaternary Ammonium Compound	Trade Secret	30%	0.01454%			
			XLW-32	Baker Hughes	Crosslinker	Boric Acid (H3BO3)	10043-35-3	30%	0.01482%
						Methanol	67-56-1	60%	0.02963%
						Methyl Borate	121-43-7	30%	0.01482%
FAW-22, 260 gal tote	Baker Hughes	Foamer	Alkyl Sulfate (1 of 2)	Trade Secret	2%	0.00485%			
			Alkyl Sulfate (2 of 2)	Trade Secret	2%	0.00485%			
			Ammonium Alkyl Ether Sulfate	Trade Secret	9%	0.02183%			
			Isopropanol	67-63-0	17%	0.04123%			
GW-3LDF	Baker Hughes	Gelling Agent	Sodium Sulfonate	68439-57-6	24%	0.0582%			
			1-butoxy-2-propanol	5131-66-8	5%	0.01171%			
			Crystalline Silica: Quartz	14808-60-7	5%	0.01171%			
			Guar Gum	9000-30-0	60%	0.1405%			
			Isotridecanol, ethoxylated	9043-30-5	5%	0.01171%			
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.07025%			
			Petroleum Distillates	64742-47-8	30%	0.07025%			
			Nitrogen	Baker Hughes	Nitrogen	7727-37-9	100%	14.06848%	
Sand, Brown 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	31.64087%			
ScaleSorb 3 (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.01454%			
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00048%			
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.04845%			
			Phosphonic Acid	13598-36-2	1%	0.00048%			
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01631%			
			Oxyalkylated Alkylphenol (1)	Trade Secret	10%	0.00544%			
			Oxyalkylated Alkylphenol (2)	Trade Secret	10%	0.00544%			
			Oxyalkylated Amine	Trade Secret	5%	0.00272%			
			Polyoxyalkylene	Trade Secret	10%	0.00544%			
			2-butoxy-1-propanol	15821-83-7	0%	0.0002342%			
			85% Phosphoric Acid, FG	10361-65-6	0%	1E-07%			
			Alkyl Sulfate	Trade Secret	0%	0.0024252%			
			Boric Acid	10043-35-3	0%	1E-07%			
			Calcium Carbonate	471-34-1	0%	8.48E-05%			
			Calcium Chloride	10043-52-4	0%	2E-07%			
			Corn Meal	NA	0%	0.0010054%			
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	1E-07%			
			D-Biotin, USP	119616-38-5	0%	1E-07%			
			Ethoxylated Alcohol	Trade Secret	0%	0.0024252%			
			Ethylene Glycol	107-21-1	0%	0.0024252%			
			Fatty Amide Derivative	70851-08-	0%	0.0024252%			
			Ferric Chloride, Hexahydrate	7705-08-0	0%	1E-07%			
			Formaldehyde	50-00-0	0%	0.0024252%			
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	0.001212%			
			Linseed Meal	8001-26-1	0%	0.0001211%			
			Magnesium Sulfate	7487-88-9	0%	1E-07%			
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	1.3E-06%			
			Phosphoric Acid	7664-38-2	0%	0.0004845%			
			Polyethylene Glycol	25322-68-3	0%	1E-07%			
			Polyoxyalkylenes	78330-21-9	0%	0.0004845%			
			Potassium Hydroxide	1310-58-3	0%	0.0012465%			
			Potassium Sulfate	7778-80-5	0%	1E-07%			
			Sodium Chloride	7647-14-5	0%	0.0024615%			
			Sodium Molybdate	7631-98-0	0%	1E-07%			
			Sodium Sulfate	7757-82-6	0%	0.0024252%			
			Soy Isoflavone	486-66-8	0%	1E-07%			
			Thiamine-HCl	67-03-8	0%	1E-07%			
			Thioglycolic Acid	68-11-1	0%	0.0004845%			
			Water	7732-18-5	0%	0.2568145%			
			Yeast Extract	8013-01-2	0%	1E-07%			
			Zinc Sulfate Heptahydrate	7446-19-7	0%	1E-07%			
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: TYRA M FEIL		ENGINEERING Title: ASSISTANT					
Date: 10/27/2014									
E-mail Address: tyrafell@duganproduction.com									

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