

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. 30-045-35544				
		2. Well Name: SUNRAY #001M				
		3. Well Number: 001M				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:1 Section:5 Township:29N Range:08W Feet from:999 N/S Line:N Feet from:699 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:1 Section:5 Township:29N Range:08W Feet from:999 N/S Line:N Feet from:699 E/W Line:E				
		6. latitude: 36.75843 longitude: -107.69158				
		7. County: San Juan				
8. Operator Name and Address: BURLINGTON RESOURCES OIL & GAS COMPANY LP 3401 E. 30TH STREET FARMINGTON 87402		9. OGRID: 14538		10. Phone Number: 505-326-9518		
11. Last Fracture Date: 1/6/2015 Frac Performed by: BAKER HUGHES		12. Production Type: G				
13. Pool Code(s): 71599, 72319		14. Gross Fractured Interval: 4,136 ft to 7,640 ft				
15. True Vertical Depth (TVD): 7,680 ft		16. Total Volume of Fluid Pumped: 187,589 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: 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	Operator	Carrier	Water	7732-18-5	100%	60.8826%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Listed with Chemicals in Ingredients	N/A	0%	0.7508%
GBW-5	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.0062%
CI-27	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0029%
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0244%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Listed with Chemicals in Ingredients	N/A	0%	0.2408%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Listed with Chemicals in Ingredients	N/A	0%	0.0338%
Ferrotrol 300L	Baker Hughes	Iron Control	Listed with Chemicals in Ingredients	N/A	0%	0.0061%
Nitrogen	Baker Hughes	Nitrogen	Listed with Chemicals in Ingredients	N/A	0%	23.823%
Sand, Brown, 20/40	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	14.0202%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0195%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Listed with Chemicals in Ingredients	N/A	0%	0.0901%
Chemical Ingredients	Baker Hughes	Treatment System	1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-, polymer with 2-propanamide, sodium salt	83446-68-8	60%	0.020231%
			Acid Phosphate Ester	9046-01-9	10%	0.002433%
			Alcohols, ethoxylated	68551-12-2	10%	0.008996%
			Amines, unsatd, alkyl, ethoxylated	68155-39-5	5%	0.004498%
			Amino Trimethylene Phosphonic Acid	6419-19-8	28%	0.00545%
			Ammonium Alkyl Ether Sulfate	78330-26-4	10%	0.024041%
			Ammonium Persulphate	7727-54-0	100%	0.006228%
			Citric Acid	77-92-9	60%	0.00368%
			Crystalline Cristobalite	14464-46-1	1%	0.000195%
			Crystalline Silica (Quartz)	14808-60-7	100%	13.997555%
			Crystalline Silica: Quartz	14808-60-7	1%	0.000243%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.038731%
			Ethoxylated Alcohol	68439-46-3	1%	0.002404%
			Ethylene Glycol	107-21-1	1%	0.002647%
			Fatty Acids	61790-12-3	30%	0.000866%
			Fatty Amide Derivative	70851-08-0	1%	0.002404%
			Formaldehyde	50-00-0	1%	0.002406%
			Hydrochloric Acid	7647-01-0	15%	0.012438%
			Hydrotreated Light Distillate	64742-47-8	30%	0.010115%
			Isopropanol	67-63-0	30%	0.072123%
			Methanol	67-56-1	80%	0.02872%
			Nitrogen	7727-37-9	100%	23.784076%
			Olefin	64743-02-8	5%	0.000144%
			Oxalkylated alcohol	78330-21-9	5%	0.001686%
			Phosphonic Acid	13598-36-2	1%	0.000195%
			Phosphoric Acid	7664-38-2	1%	0.000243%
			Polyethylene glycol nonylphenyl ether	9016-45-9	15%	0.013493%
			Polyoxyalkylenes	78330-21-9	30%	0.00111%
			Polyoxyethylene sorbitan monooleate	9005-65-6	5%	0.001686%
			Propargyl Alcohol	107-19-7	10%	0.000289%
			Quaternary Ammonium Chloride	61789-71-7	30%	0.007299%
			Sodium Chloride	7647-14-5	5%	0.004104%
			Sodium Sulfate	7757-82-6	1%	0.002404%
			Sodium Sulfonate	68439-57-6	30%	0.072123%
			Sorbitan, mono-(9Z)-9-octadecenoate	1338-43-8	5%	0.001686%
			Sulfuric acid, monodecyl ester, sodium salt (1:1)	142-87-0	5%	0.012021%
			Sulfuric acid, monohexyl ester, sodium salt (1:1)	2207-98-9	1%	0.002404%