

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: 30-025-41320				
		2. Well Name: EAST SHUGART DELAWARE UNIT #031				
		3. Well Number: 031				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒Original ☐Amendment		4. Surface Hole Location: Unit:C Lot:C Section:19 Township:18S Range:32E Feet from:1150 N/S Line:N Feet from:1675 E/W Line:W				
		5. Bottom Hole Location: Unit: Lot: Section:19 Township:18S Range:32E Feet from:1150 N/S Line:N Feet from:1675 E/W Line:W				
		6. latitude: longitude: 32.737186973946 -103.808950152569				
		7. County: Lea				
8. Operator Name and Address: SM ENERGY COMPANY 3300 N. A Street, Bldg. #7 Suite 200 Midland 79705		9. OGRID: 154903	10. Phone Number: 432-688-1789			
11. Last Fracture Date: 11/15/2013 Frac Performed by: CUDD ENERGY SERVICES		12. Production Type: O				
13. Pool Code(s): 56419		14. Gross Fractured Interval: 5,091 ft to 5,311 ft				
15. True Vertical Depth (TVD): 5,535 ft		16. Total Volume of Fluid Pumped: 79,368 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		Carrier / Base Fluid		7732-18-5	100%	81.71392%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	9.91986%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	3.60145%
			P/F Novolak Resin	9003-35-4	5%	0.18564%
			Hexamethylenetetramine	1009-7-0	1%	0.03713%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00224%
15% Hydrochloric Acid	Reagent	Scale Dissolver	Water	7732-18-5	80%	0.00898%
			37% Hydrochloric Acid	7647-01-0	15%	0.55278%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Water	7732-18-5	85%	3.13244%
			Methanol	67-56-1	49.6%	0.00299%
SG-15G	PFP Technology	Polymer	Propargyl Alcohol	107-19-7	4%	0.00024%
			Guar Gum	9000-30-0	50%	0.20929%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.23022%
			Bentonite Clay	14808-60-7	2%	0.00837%
			Surfactant	68439-51-0	2%	0.00837%
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1	25%	0.03149%
			Potassium Hydroxide	1310-58-3	25%	0.03149%
			Proprietary	Proprietary	25%	0.03149%
			Proprietary	Proprietary	15%	0.0189%
			Proprietary	Proprietary	10%	0.0126%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00865%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.01699%
NE-217	Chemplex, L.C.	Non-emulsifier	Methanol	67-56-1	50%	0.00319%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0	15%	0.01156%
			Methanol	67-56-1	15%	0.01156%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01542%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.01139%
			Water	7732-18-5	55%	0.01139%
SI-625	Keltech	Scale Inhibitor	Methanol	67-56-1	19.9%	0.04665%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.02108%
			Poly(oxyethylene) nonyphenol ether	9016-45-9	54%	0.02277%
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: Vickie Martinez		Title: Engineering Tech				
Date: 12/9/2013						
E-mail Address: vmartinez@sm-energy.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.