

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: 30-015-40871				
		2. Well Name: EAST SHUGART DELAWARE UNIT #028				
		3. Well Number: 028				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:H Lot:H Section:24 Township:18S Range:31E Feet from:2280 N/S Line:N Feet from:810 E/W Line:E				
		5. Bottom Hole Location: Unit:H Lot: Section:24 Township:18S Range:31E Feet from:2280 N/S Line:N Feet from:810 E/W Line:E				
		6. latitude: longitude: 32.7340915225704 - 103.817066490994				
		7. County: Eddy				
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: 2/8/2013 Frac Performed by: CUDD ENERGY SERVICES		12. Production Type: O				
13. Pool Code(s): 56419		14. Gross Fractured Interval: 5,033 ft to 5,198 ft				
15. True Vertical Depth (TVD): 5,500 ft		16. Total Volume of Fluid Pumped: 1,708 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		Carrier / Base Fluid		7732-18-5	100%	79.93808%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	11.5113%
Super LC RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	4.50335%
			P/F Novolak Resin	9003-35-4	5%	0.23213%
			Hexamethylenetetramine	1009-7-0	0%	0%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00292%
			Water	7732-18-5	80%	0.01166%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.46793%
			Water	7732-18-5	85%	2.65159%
I-122	Chemplex,L.C.	Acid Corrosion Inhibitor	Methonol	67-56-1	70%	0.00268%
			Propargyl alcohol	107-19-7	8%	0.00054%
			Alcohol Ethoxylate	Trade Secret	30%	0.00201%
			Surfactants			
			n-olefins	Trade Secret	10%	0.00067%
SG-15G	PFP Technology	Polymer	thiourea-formaldehyde copolymer	68527-49-1	30%	0.00201%
			Guar Gum	9000-30-0	50%	0.22593%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.24852%
			Bentonite Clay	14808-60-7	2%	0.00904%
			Surfactant	68439-51-0	2%	0.00904%
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1	25%	0.02223%
			Potassium Hydroxide	1310-58-3	25%	0.02223%
			Proprietary	Proprietary	25%	0.02223%
			Proprietary	Proprietary	15%	0.01334%
			Proprietary	Proprietary	10%	0.00889%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.01003%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.03923%
NE-217	Chemplex, L.C.	Non- emulsifier	Methanol	67-56-1	50%	0.00345%
NE-227	CESI	Non- emulsifier	Isopropanol	67-63-0	15%	0.01122%
			Methanol	67-56-1	15%	0.01122%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01495%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.01233%
			Water	7732-18-5	55%	0.01233%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.03651%
			Poly(oxyethylene) nonyphenol ether	9016-45-9	54%	0.03943%
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: <u>Signed Electronically</u>		Printed Name: <u>Vickie Martinez</u>		Title: <u>Engineering Tech</u>		
Date: <u>4/10/2013</u>						
E-mail Address: <u>vmartinez@sm-energy.com</u>						

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.