

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: 30-025-41530				
		2. Well Name: ENCORE M STATE #012				
		3. Well Number: 012				
HYDRAULIC FRACTURING FLUID DISCLOSURE  <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:K Lot:K Section:20 Township:22S Range:37E Feet from:2264 N/S Line:S Feet from:1702 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot:K Section:20 Township:22S Range:37E Feet from:2264 N/S Line:S Feet from:1702 E/W Line:W				
		6. Latitude: 32.3763139689426 Longitude: - 103.188007109129				
		7. County: Lea				
8. Operator Name and Address: QUANTUM RESOURCES MANAGEMENT, LLC 1401 McKinney St Suite 2400 Houston 77010		9. OGRID: 243874	10. Phone Number: 713-634-4696			
11. Last Fracture Date: 3/4/2014 Frac Performed by: Cudd Energy Services		12. Production Type: O				
13. Pool Code(s): 6660, 19190, 62700		14. Gross Fractured Interval: 5,808 ft to 6,724 ft				
15. True Vertical Depth (TVD): 6,650 ft		16. Total Volume of Fluid Pumped: 276,159 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%	86.15522%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	5.9961%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.0204%
			Water	7732-18-5	80%	0.08161%
CS-14	Chemplex, L.C.	Clay Control	Non-hazardous salts(Choline)	Proprietary	66%	0.09918%
			Water	7732-18-5	45%	0.06762%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.52817%
			Water	7732-18-5	85%	2.99294%
I-122	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	70%	0.00225%
			Propargyl alcohol	107-19-7	8%	0.00045%
			Alcohol Ethoxylate Surfactants	Trade Secret	30%	0.00169%
			n-olefins	Trade Secret	10%	0.00056%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00169%
SG-15G	PIP Technology	Polymer	Guar Gum	9000-30-0	50%	0.17401%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.19141%
			Bentonite Clay	14808-60-7	2%	0.00696%
			Surfactant	68439-51-0	2%	0.00696%
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1	25%	0.03185%
			Potassium Hydroxide	1310-58-3	25%	0.03185%
			Proprietary	Proprietary	25%	0.03185%
			Proprietary	Proprietary	15%	0.01911%
			Proprietary	Proprietary	10%	0.01274%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00273%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.0978%
NE-217	Chemplex, L.C.	Non-emulsifier	Methanol	67-56-1	50%	0.00152%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0	15%	0.01174%
			Methanol	67-56-1	15%	0.01174%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01565%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.01076%
			Water	7732-18-5	55%	0.01076%
Garnett,Pearl RCS	Preferred Sands	RCS Proppants	Quartz(SiO2)	14808-60-7	98%	3.08013%
			Polyurethane Resin	Proprietary	5%	0.15715%
			Colorant	Proprietary	1%	0.03143%
Scale Inhib-106	Catalyst Oilfield Services	Scale Inhibitor	Hydrochloric Acid	6747-01-0	70%	0.06525%
			Phosphonate Compound	Proprietary	60%	0.05593%
CAT106SI	Catalyst Oilfield Services	Scale Inhibitor	Hydrochloric Acid	6747-01-0	70%	0.06573%
			Phosphonate Compound	Proprietary	60%	0.05634%
CAT332P	Catalyst Oilfield Services	Paraffin Dispersant	Toluene	108-88-3	100%	0.06274%
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: Yolanda Perez		Title: Regulatory Manager		
Date: 4/25/2014						
E-mail Address: yperez@qracq.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.