Submit within 45 days of well completion  Ene		State of New Mexico ergy, Minerals and Natural Resources						Revised	November 6, 2013
						1. WELL API NO. 30-025-38207			
		Oil Conservation Division			2. Well Name: NEW MEXICO M STATE #057				
1220 S. St Francis Dr. Santa Fe, NM 87505						3. Well Number: 057			
			a i c, i i i i o i c	,,,,,		4.0-4			
HYDRAULIC FRACTURING FLUID DISCLOSURE						4. Surface Hole Location: Unit1 Lot:1 Section:18 Township:22S Range:37E Feet from:1920 N/S Line:S Feet from:330 E/W Line:E			
Original						5. Bottom Hole Los	cation:		
□ Amendment						Feet from:1920 N/S Line:S Feet from:330 E/W Line:E		Range:37E	
						6. latitude: 32.38	398596697921	longitude: -10	3.194649519147
						7. County: Lea			
Operator Name and Address:	N. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				9. OGRID:	258350	10. Phone Numb	er 9	32-327-2252
VANGUARD PERMI. 5847 San Felipe, Sui Houston 77057					s. comb.	230330	Id. I Horie Hallic	ei.	102 J27 2232
11. Last Fracture Date: 12/18/2013 Frac Performed by: CUDD					12. Production Type:				
13. Pool Code(s): 22800					C	. Gross Fractured Interval: Confidential			
15. True Vertical Depth (TVD): 4,316 ft						. Total Volume of Fluid Pumped: 59,191 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 C			the state of the s	10 8 8 # Ob	-1.01-44	Maximum Ingredi		T 84	
Trade Name	Supplier	Purpose	Ingredients	Service #	(CAS #) Chemical Abstract Service #		Additive (% by	Maximum Ing Concentration mass)	n in HF Fluid (% by
Water		Carrier / Base Fluid	Oiliana Diamida	7732-18-5		100%			84.44054%
Sand B-15	Water Science Tech	Proppant Biocide	Silicon Dioxide Tetrakis (hydroxymethyl) phosphonium sulfate	14808-60-7 55566-30-8			100% 20%		9.80616% 0.00187%
00.450		-	Water	7732-18-5			80%		0.00746%
SG-15G	PfP Technology	Polymer	Guar Gum Petroleum Distillate (Mineral Oil)	9000-30-0 64742-47-8			50% 55%		0.22448% 0.24693%
			Bentonite Clay	14808-60-7			2%		0.00898%
XL-335	ASK	Crosslinker	Surfactant Ethylene Glycol	68439-51-0 107-21-1			2% 25%		0.00898% 0.01992%
	1.551.5%		Potassium Hydroxide				25%		0.01992%
			Proprietary	Proprietary			25%		0.01992%
			Proprietary Proprietary	Proprietary Proprietary			15% 10%		0.01195% 0.00797%
BC-1	Benchmark	Breaker Catalyst	Triethanolamine	102-71-6			100%		0.00797%
			Diethanolamine	111-42-2			30%		0.01418%
A Section 1		Breaker	Ammonium Persulfate	7727-54-0			99.9%		0.00942%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0 67-56-1			15% 15%		0.0129% 0.0129%
			Methanol Ethoxylated Nonylphenol	9016-45-9			20%		0.0129%
Garnett,Pearl RCS	Preferred Sands	RCS Proppants	Quartz(SiO2)	14808-60-7		<u> </u>	98%		4.97117%
			Polyurethane Resin	Proprietary			5%		0.25363%
20. I, as Operator, hereby certify that	the information shows or	this disclosure form is true	Colorant e and complete to the best of	Proprietary	and helief	1	1%		0.05073%
Signature: Signed Elec		ted Name: Randall Hick		y knowledge 8	und penel.	Title: Sr Operati	ons Engineer		
Date: 9/23/2014		Turiour Filo				Auc. of Operati	so Enginool		
E-mail Address: rhicks@vnr									