Submit within 45 days of well completion							Revised November 6, 2013												
State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						WELL API NO.     30-015-26348      Well Name:     SOUTH CULEBRA BLUFF 23 #007      Well Number:													
										007									
										HYDRAULIC FRA	CTURING FL	UID				4. Surface Hole L		ownship:23S	Range:28E
										DISCLOSURE						Unit:J Lot:J Section:23 Township:23S Range:28E Feet from:1950 N/S Line:S			Range:20E
										⊠ Original						Feet from: 1750		/W Line:E	
						□ Amendment						Unit:J Lot:J	Section:23 T	ownship:23S	Range:28E				
Amendment						Feet from: 1950 Feet from: 1750		/S Line:S /W Line:E											
						6. latitude:	1000	longitude:	-										
							889083078995	104.0550650	004583										
						7. County:													
						Eddy													
8. Operator Name and Address:					9. OGRID:	258350	10. Phone Numi	ber: {	332-327-2252										
VANGUARD PERMIAN, LLC 5847 San Felipe, Suite 3000																			
Houston 77057																			
11. Last Fracture Date: 5/2/2014 Frac Performed by: CUDD 12. F						tion Type: O													
						Fractured Interval: 5,766 ft to 6,054 ft													
40350 15. True Vertical Depth (TVD): 16.						oly 700 Rt to 0,034 Rt olume of Fluid Pumped:													
6,300 ft  17. Total Volume of Re-Use Water Pumped:  18.						00,290 gals of Re-Use Water in F	Juid Rumpad:												
N/A						ot Disclosed	iola Fullipea.												
19. HYDRAULIC FLUID C																			
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemi Service #	cal Abstract	Maximum Ingred Concentration in mass)			redient n in HF Fluid (% by										
Water		Carrier / Base Fluid		7732-18-5	7732-18-5		100%	mass)	83.48473%										
Sand		Proppant	Silicon Dioxide	14808-60-7			100%		9.76133%										
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium	55566-30-8			20%		0.002%										
			sulfate	7700 40 5		er.	000/		0.007000/										
CS-14	Chemplex, L.C.	Clay Control	Water Non-hazardous	7732-18-5 Proprietary		80%			0.00798% 0.05815%										
	A31		salts(Choline)		- Company of the Comp														
SG-15G	PfP Technology	Polymer	Water Guar Gum	7732-18-5 9000-30-0		45% 50%			0.03965% 0.22655%										
00 130	The recalliology	T SIJING	Petroleum Distillate	64742-47-8			55%		0.24921%										
			(Mineral Oil) Bentonite Clav	14808-60-7			2%		0.00906%										
			Surfactant	68439-51-0			2%		0.00906%										
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1			25%		0.02629%										
			Potassium Hydroxide	1310-58-3			25%		0.02629%										
			Proprietary	Proprietary			25%		0.02629%										
			Proprietary Proprietary	Proprietary Proprietary			15% 10%		0.01578% 0.01052%										
BC-1	Benchmark	Breaker Catalyst	Triethanolamine	102-71-6 111-42-2		100%			0.01478%										
00.0	Path to divide a land	Desertion	Diethanolamine				30%		0.00443%										
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0			99.9%		0.006%										
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0			15%		0.01153%										
			Methanol Ethoxylated	67-56-1 9016-45-9			15% 20%		0.01153% 0.01538%										
			Nonylphenol																
Garnett,Pearl RCS	Preferred Sands	RCS Proppants	Quartz(SiO2)	14808-60-7		98% 5%		5.8799% 0.29999%											
			Polyurethane Resin Colorant	Proprietary Proprietary			1%		0.29999%										
20. I, as Operator, hereby certify the	Operation Control of the Control of	1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983 - 1983	3		ledge and beli	10.00													
Signature: Signed Ele	ctronically Prin	ted Name: Randall Hid	cks			Title: Sr Opera	tions Engineer												
Date: 5/19/2014 E-mail Address: rhicks@vnr	dic 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.