

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: 30-021-20659						
		2. Well Name: CANDELARIO 1928 10 #001						
		3. Well Number: 001						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:J Lot:J Section:10 Township:19N Range:28E Feet from:1660 N/S Line:S Feet from:1660 E/W Line:E						
		5. Bottom Hole Location: Unit:J Lot:J Section:10 Township:19N Range:28E Feet from:1660 N/S Line:S Feet from:1660 E/W Line:E						
		6. latitude: longitude: 35.8881661601671 -103.951091344057						
		7. County: Harding						
8. Operator Name and Address: WHITING OIL AND GAS CORPORATION 400 W. Illinois Midland 79701			9. OGRID: 25078		10. Phone Number: 432-686-6709			
11. Last Fracture Date: 2/9/2015 Frac Performed by: SCHLUMBERGER			12. Production Type: C					
13. Pool Code(s): 96010			14. Gross Fractured Interval: Confidential					
15. True Vertical Depth (TVD): 2,989 ft			16. Total Volume of Fluid Pumped: 8,047 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)		
WF140:WF140 [CO2 65Q]:WF140 [CO2 50Q]:WF140 [CO2 3	Schlumberger	Bactericide (Myacide GA25), Foaming Agent, Surfactant , Breaker, Gelling Agent, Scale Inhibitor, Cia	Water (Including Mix Water Supplied by Client)*	NA	0%	67.2978%		
			Ceramic materials and wares, chemicals	66402-68-4	98.05933%	32.06755%		
			Guar gum	9000-30-0	1.34494%	0.43983%		
			Sodium 2-[2-[2-(tridecyloxy)ethoxy] ethoxy]ethyl sulphate	25446-78-0	0.22249%	0.07276%		
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.10549%	0.0345%		
			Diammonium peroxidisulphate	7727-54-0	0.08628%	0.02821%		
			Propan-2-ol	67-63-0	0.05847%	0.01912%		
			Ethylene glycol	107-21-1	0.03676%	0.01202%		
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.03438%	0.01124%		
			Polyethylene glycol monohexyl ether	31726-34-8	0.03069%	0.01004%		
			Sodium chloride	7647-14-5	0.00694%	0.00227%		
			Glutaraldehyde	111-30-8	0.00678%	0.00222%		
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00542%	0.00177%		
			CALCIUM CHLORIDE	10043-52-4	0.00351%	0.00115%		
			Non-crystalline silica (impurity)	7631-86-9	0.00337%	0.0011%		
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00128%	0.00042%		
			2,2"-oxydiethanol (impurity)	111-46-6	0.00037%	0.00012%		
			Sodium hydroxide (impurity)	1310-73-2	0.00019%	6E-05%		
			Magnesium silicate hydrate (talc)	14807-96-6	0.00017%	5E-05%		
			Potassium chloride (impurity)	7447-40-7	0.00011%	4E-05%		
			poly(tetrafluoroethylene)	9002-84-0	7E-05%	2E-05%		
			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: Kay Maddox		Title: Regulatory Agent	
Date: 3/26/2015								
E-mail Address: kay.maddox@whiting.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.