

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: 30-021-20587				
		2. Well Name: LEWIS 1928 #021				
		3. Well Number: 021				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:J Lot:J Section:2 Township:19N Range:28E Feet from:2110 N/S Line:S Feet from:1650 E/W Line:E				
		5. Bottom Hole Location: Unit:J Lot:J Section:2 Township:19N Range:28E Feet from:2110 N/S Line:S Feet from:1650 E/W Line:E				
		6. latitude: 35.9040327922306 longitude: -103.933180471468				
		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: 6/3/2014 Frac Performed by: Schlumberger		12. Production Type: C				
13. Pool Code(s): 96010		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 3,500 ft		16. Total Volume of Fluid Pumped: 9,774 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	Schlumberger	Bactericide (Myacide GA25), Foaming Agent, Surfactant , Breaker, Gelling Agent, Scale Inhibitor, Cla	Water (Including Mix Water Supplied by Client)*		0%	66.7533%
			Ceramic materials and wares, chemicals	66402-68-4	98.55655%	32.7668%
			Guar gum	9000-30-0	0.90335%	0.30034%
			Cholinium chloride	67-48-1	0.16947%	0.05634%
			Sodium 2-[2-(2-(tridecyloxy) ethoxy]ethoxy]ethyl sulphate	25446-78-0	0.12325%	0.04098%
			Diammonium peroxidisulphate	7727-54-0	0.10835%	0.03602%
			Propan-2-ol	67-63-0	0.03241%	0.01078%
			Glutaraldehyde	111-30-8	0.02722%	0.00905%
			Ethane-1,2-diol	107-21-1	0.02461%	0.00818%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.02361%	0.00785%
			Polyethylene glycol monohexyl ether	31726-34-8	0.01972%	0.00656%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01175%	0.00391%
			Sodium chloride	7647-14-5	0.00485%	0.00161%
			Non-crystalline silica	7631-86-9	0.00246%	0.00082%
			Calcium chloride	10043-52-4	0.00224%	0.00074%
			Dicoco dimethyl quaternary ammonium chloride	6178-77-3	0.00082%	0.00027%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00036%	0.00012%
			2,2'-oxydiethanol	111-46-6	0.00025%	8E-05%
			poly (tetrafluoroethylene)	9002-84-0	0.00015%	5E-05%
Sodium hydroxide	1310-73-2	0.00012%	4E-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: 9/18/2014						
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.