

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 February 15, 2012				
		1. WELL API NO: 30-015-39499				
		2. Well Name: PIGLET 21 STATE #004				
		3. Well Number: 004				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 1/28/2013		4. Surface Hole Location: Unit:M Lot:M Section:21 Township:17S Range:28E Feet from:873 N/S Line:S Feet from:1164 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:21 Township:17S Range:28E Feet from:873 N/S Line:S Feet from:1164 E/W Line:W				
		6. Latitude: 32.8148323383077 Longitude: -104.185459274137				
		7. County: Eddy				
8. Operator Name and Address: OXY USA WTP LIMITED PARTNERSHIP PO Box 4294 Houston 77210			9. OGRID: 192463		10. Phone Number: 713-366-5485	
11. Last Fracture Date: 4/21/2012 Frac Performed by: Superior Well Services			12. Production Type: O			
13. Pool Code(s): 96830			14. Gross Fractured Interval: 3,610 ft to 4,668 ft			
15. True Vertical Depth (TVD): 4,985 ft			16. Total Volume of Fluid Pumped: 17,267 bbls			
17. 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)
HCL Acid (12.5% -18.0%)	Superior Well Services	Bulk Acid	Hydrogen Chloride Water	7641-01-1 7732-18-5	18% 87.5%	0.177874% 0.864665%
Acid Inhibitor 3M (AI-3M)	Superior Well Services	Acid Corrosion Inhibitors	2-Butoxyethanol	111-76-2	3%	4.7E-05%
			Cinnamaldehyde	104-55-2	5%	7.8E-05%
			Ethoxylated Nonyphenol	68412-54-4	5%	7.8E-05%
			Ethylene Glycol	107-21-1	37%	0.000575%
			Isopropyl Alcohol	67-63-0	3%	4.7E-05%
			N,N-Dimethylformamide	68-12-2	13%	0.000202%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10%	0.000156%
			Triethyl Phosphate	78-40-0	3%	4.7E-05%
KR-153-SL	Superior Well Services	Biocides	Water	7732-18-5	25%	0.000389%
Clay Treat LT	Superior Well Services	Clay Control Additives	2,2-dibromo-3-nitriopropionamide	10222-01-2	20%	0.002946%
			Water	7732-18-5	80%	0.011783%
XL-11	Superior Well Services	Cross-linkers	ammonium, (2-Hydroxyethyl) trimethyl-, chloride	67-48-1	80%	0.037499%
			Demineralized Water	7732-18-5	50%	0.023437%
			Ethylene Glycol	107-21-1	10%	0.013526%
			Potassium Hydroxide	1310-58-3	5%	0.006763%
EB-4L	Superior Well Services	Gel Breakers	Potassium Metaborate	13709-94-9	30%	0.040577%
			Water	7732-18-5	75%	0.101442%
			Cellulase enzyme	XXXX-XX-X (Proprietary)	0%	0%
			Demulsifier Base	XXXX-XX-X (Proprietary)	0%	0%
			Ethylene Glycol	107-21-1	25%	0.002723%
OB Breaker	Superior Well Services	Gel Breakers	Proprietary	XXXX-XX-X (Proprietary)	0%	0%
			Sugar	57-50-1	0%	0%
			Water	7732-18-5	0%	0%
LSG-100L	Superior Well Services	Gelling Agents	Ammonium Persulfate	7727-54-0	100%	0.004531%
			guar gum	9000-30-0	50%	0.201392%
			Petroleum Distillates	64742-47-8	60%	0.24167%
			Surfactant	68439-51-0	2%	0.008056%
ULT Resin Sand Activator	Superior Well Services	Proppants - Manufactured	Suspending agent (solid)	14808-60-7	2%	0.008056%
					0%	0%
			Proprietary	Proprietary	15%	0.013073%
			Proprietary	Proprietary	15%	0.013073%
Super TSC LT	Superior Well Services	Paraffin & Scale Additives	Proprietary	Proprietary	15%	0.013073%
			Proprietary	Proprietary	50%	0.043577%
			Water	7732-18-5	60%	0.052293%
			Alcohol Ethoxylate Surfactants	Proprietary	20%	0.017175%
Super OW 3	Superior Well Services	Surfactants & Foamers	Methyl Alcohol	67-56-1	20%	0.017175%
			Water	7732-18-5	80%	0.068701%
			Cocoamido Tertiary Amine	XXXX-XX-X (Proprietary)	0%	0%
			Dichloroethyl ether (DCEE)	111-44-4	0%	0%
Hexion SiberProp 16/30	Superior Well Services	Proppants - Manufactured - Hexion	Dimethylcocoamine, bis(chloroethyl) ether, diquatarnary ammonium salt	68607-28-3	5%	4.3E-05%
			Isopropyl Alcohol	67-63-0	35%	0.000301%
			Methanol	67-56-1	10%	8.6E-05%
			Water	7732-18-5	0%	0%
			Aluminum Oxide	1344-28-1	1%	0.103806%
			Crystalline Silica (Quartz)	14808-60-7	89%	9.23876%
Third Party	Third Party	Iron Control Additives	Iron Oxide	1309-37-1	0.1%	0.010381%
			phenolic resin	9003-35-4	20%	2.076126%
			Titanium Oxide	13463-67-7	0.1%	0.010381%
					0%	0%
Super 100 NE	Superior Well Services	Surfactants & Foamers	Water	7732-18-5	0%	0%
Super OW 3	Superior Well Services	Surfactants & Foamers	Cocoamido Tertiary Amine	XXXX-XX-X (Proprietary)	0%	0%
			Dichloroethyl ether (DCEE)	111-44-4	0%	0%
			Dimethylcocoamine, bis(chloroethyl) ether, diquatarnary ammonium salt	68607-28-3	5%	5.3E-05%
			Isopropyl Alcohol	67-63-0	35%	0.000369%
			Methanol	67-56-1	10%	0.000105%
			Water	7732-18-5	0%	0%
Hexion SiberProp 16/30	Superior Well Services	Proppants - Manufactured - Hexion	Aluminum Oxide	1344-28-1	1%	0.148544%
			Crystalline Silica (Quartz)	14808-60-7	89%	13.220399%
			Iron Oxide	1309-37-1	0.1%	0.014854%
			phenolic resin	9003-35-4	20%	2.970876%
			Titanium Oxide	13463-67-7	0.1%	0.014854%
Third Party	Third Party	Iron Control Additives			0%	0%
18. 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: KAREN M SINARD Title: _____						
Date: 1/28/2013						
E-mail Address: karen_sinard@oxy.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.						