

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: 30-015-39496				
		2. Well Name: ROO 22 STATE #004				
		3. Well Number: 004				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:22 Township:17S Range:28E Feet from:1935 N/S Line:S Feet from:2280 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot:K Section:22 Township:17S Range:28E Feet from:1935 N/S Line:S Feet from:2280 E/W Line:W				
		6. Latitude: Longitude: 32.8180978315755 - 104.164828603995				
		7. County: Eddy				
8. Operator Name and Address: OXY USA INC PO Box 4294 Houston 77210		9. OGRID: 16696	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: 3,694 ft to 4,422 ft				
15. True Vertical Depth (TVD): 5,000 ft		16. Total Volume of Fluid Pumped: 15,316 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	7641-01-1	18%	0.196747%
			Water	7732-18-5	87.5%	0.956407%
Acid Inhibitor 3M (AI-3M)	Superior Well Services	Acid Corrosion Inhibitors	2-Butoxyethanol	111-76-2	3%	5.2E-05%
			Cinnamaldehyde	104-55-2	5%	8.6E-05%
			Ethoxylated Nonyphenol	68412-54-4	5%	8.6E-05%
			Ethylene Glycol	107-21-1	37%	0.000636%
			Isopropyl Alcohol	67-63-0	3%	5.2E-05%
			N,N-Dimethylformamide	68-12-2	13%	0.000224%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10%	0.000172%
			Triethyl Phosphate	78-40-0	3%	5.2E-05%
			Water	7732-18-5	25%	0.00043%
KR-153-SL	Superior Well Services	Biocides	2,2-dibromo-3-nitrilopropionamide	10222-01-2	20%	0.003161%
Clay Treat LT	Superior Well Services	Clay Control Additives	ammonium, (2-Hydroxyethyl) trimethyl-, chloride	67-48-1	80%	0.034158%
			Demineralized Water	7732-18-5	50%	0.021349%
XL-11	Superior Well Services	Cross-linkers	Ethylene Glycol	107-21-1	10%	0.014804%
			Potassium Hydroxide	1310-58-3	5%	0.007402%
			Potassium Metaborate	13709-94-9	30%	0.044411%
			Water	7732-18-5	75%	0.111026%
EB-4L	Superior Well Services	Gel Breakers	Cellulase enzyme	XXXX-XX-X (Proprietary)	0%	0%
			Demulsifier Base	XXXX-XX-X (Proprietary)	0%	0%
			Ethylene Glycol	107-21-1	25%	0.003576%
			Proprietary	XXXX-XX-X (Proprietary)	0%	0%
			Sugar	57-50-1	0%	0%
OB Breaker	Superior Well Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.002506%
LSG-100L	Superior Well Services	Gelling Agents	guar gum	9000-30-0	50%	0.183866%
			Petroleum Distillates	64742-47-8	60%	0.22064%
			Surfactant	68439-51-0	2%	0.007355%
			Suspending agent (solid)	14808-60-7	2%	0.007355%
ULT Resin Sand Activator	Superior Well Services	Proppants - Manufactured			0%	0%
Super TSC LT	Superior Well Services	Paraffin & Scale Additives	Proprietary	Proprietary	15%	0.013214%
			Proprietary	Proprietary	15%	0.013214%
			Proprietary	Proprietary	15%	0.013214%
			Proprietary	Proprietary	50%	0.044048%
			Water	7732-18-5	60%	0.052858%
Super Stim-240 E	Superior Well Services	Surfactants & Foamers	Alcohol Ethoxylate Surfactants	Proprietary	20%	0.021329%
			Methyl Alcohol	67-56-1	20%	0.021329%
Super OW 3	Superior Well Services	Surfactants & Foamers	Water	7732-18-5	80%	0.085315%
			Cocoamido Tertiary Amine	XXXX-XX-X (Proprietary)	0%	0%
			Dichloroethyl ether (DCEE)	111-44-4	0%	0%
			Dimethylcocoamine, bis(chloroethyl) ether, diquaternary ammonium salt	68607-28-3	5%	4.8E-05%
			Isopropyl Alcohol	67-63-0	35%	0.000333%
			Methanol	67-56-1	10%	9.5E-05%
			Water	7732-18-5	0%	0%
TX Specific 100 mesh Sand	Superior Well Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.002864%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.260144%
			Iron Oxide	1309-37-1	0.1%	0.00026%
			Titanium Oxide	13463-67-7	0.1%	0.00026%
Hexion SiberProp 16/30	Superior Well Services	Proppants - Manufactured - Hexion	Aluminum Oxide	1344-28-1	1%	0.116722%
			Crystalline Silica (Quartz)	14808-60-7	89%	10.388279%
			Iron Oxide	1309-37-1	0.1%	0.011672%
			phenolic resin	9003-35-4	20%	2.334445%
			Titanium Oxide	13463-67-7	0.1%	0.011672%
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.						