

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: 30-015-40861					
		2. Well Name: PIGLET 21 STATE #024					
		3. Well Number: 024					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒Original ☐Amendment		4. Surface Hole Location: Unit:P Lot:P Section:21 Township:17S Range:28E Feet from:732 N/S Line:S Feet from:335 E/W Line:E					
		5. Bottom Hole Location: Unit:P Lot:P Section:21 Township:17S Range:28E Feet from:732 N/S Line:S Feet from:335 E/W Line:E					
		6. latitude: 32.8147478819371 longitude: - 104.173434788184					
		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: 5/17/2013 Frac Performed by: Halliburton				12. Production Type: O			
13. Pool Code(s): 96830				14. Gross Fractured Interval: 3,544 ft to 4,621 ft			
15. True Vertical Depth (TVD): 4,832 ft				16. Total Volume of Fluid Pumped: 616,784 gals			
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)	
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	82.92658%	
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.41167%	
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.32339%	
Premium Brown 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	14.52422%	
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.01403%	
			Monoethanolamine borate	26038-87-9	60%	0.02805%	
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00443%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00161%	
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential	60%	0.01923%	
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential	100%	0.12038%	
			Butyl glycidyl ether	2426-08-6	30%	0.03611%	
			Butyl lactate	138-22-7	10%	0.01204%	
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.06056%	
			Modified cycloaliphatic amine adduct	Mixture	60%	0.06056%	
			Phosphate ester	Confidential	10%	0.01009%	
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.09905%	
			Acetic acid	64-19-7	10%	0.01651%	
LOSURF-300 NONIONIC SURFACTANT	Halliburton	Surfactant	Isopropanol	67-63-0	60%	0.04089%	
			Light aromatic solvent	64742-95-6	30%	0.02045%	
			Ethoxylated nonylphenol	Confidential	10%	0.00682%	
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential	60%	0.06097%	
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00022%	
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01425%	
			Monoethanolamine borate	26038-87-9	100%	0.0475%	
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00242%	
			Crystalline silica, quartz	14808-60-7	30%	0.00073%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14743%	
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: <u>Signed Electronically</u>		Printed Name: <u>Jennifer Duarte</u>			Title: <u>Regulatory Specialist</u>		
Date: <u>10/9/2013</u>							
E-mail Address: <u>jennifer_duarte@oxy.com</u>							

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.