

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: 30-015-41468				
		2. Well Name: YESO VIKING FEDERAL #008				
		3. Well Number: 008				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:23 Township:17S Range:27E Feet from:1045 N/S Line:S Feet from:2160 E/W Line:E				
		5. Bottom Hole Location: Unit:N Lot:N Section:23 Township:17S Range:27E Feet from:1045 N/S Line:S Feet from:2160 E/W Line:E				
		6. Latitude: Longitude: 32.8152827401127 - 104.247892314482				
		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: 1/17/2014 Frac Performed by: BAKER HUGHES		12. Production Type: O				
13. Pool Code(s): 96836		14. Gross Fractured Interval: 3,182 ft to 4,415 ft				
15. True Vertical Depth (TVD): 4,513 ft		16. Total Volume of Fluid Pumped: 556,559 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	Operator	Carrier	Water	7732-18-5	100%	82.48022%
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.13862%
			Methanol	67-56-1	50%	0.09902%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03395%
			Water	7732-18-5	30%	0.01358%
Ferrotrol 280L , 330 gl tote	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00604%
			Ammonium Hydroxide	1336-21-6	5%	0.0003%
			Cupric Chloride	7447-39-4	5%	0.0003%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00178%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.24331%
			Petroleum Distillate Blend (1)	64742-47-8	70%	0.28386%
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.28386%
			Petroluem Distillate Blend (2)	64742-55-8	70%	0.28386%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.24486%
			Water	7732-18-5	85%	1.38753%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02499%
			Mixture of Surfactants	Trade Secret	50%	0.04164%
			Water	7732-18-5	30%	0.02499%
NE-13	Baker Hughes	Non-emulsifier	Benzyl Chloride	100-44-7	0.3%	0.00022%
			Isopropanol	67-63-0	40%	0.02899%
			Quaternary Ammonium Compounds	Trade Secret	30%	0.02174%
Preferred Garnet RC 16/30	Baker Hughes	Proppant	Castor Oil	8001-79-4	5%	0.66694%
			Crystalline Silica (Quartz)	14808-60-7	98%	13.07196%
			Iron Oxide (colorant)	1309-37-1	1%	0.13339%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.36046%
Scaletrol 720, 330 gl tote	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.0015%
			Ethylene Glycol	107-21-1	30%	0.00899%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.03046%
			Sodium Hydroxide	1310-73-2	10%	0.01015%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.03046%
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: Jennifer Duarte		Title: Regulatory Specialist		
Date: 5/1/2014						
E-mail Address: jennifer_duarte@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.