

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: 30-015-41803		
		2. Well Name: FEDERAL 23 #012H		
		3. Well Number: 012H		
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section:26 Township:22S Range:31E Feet from:941 N/S Line:N Feet from:490 E/W Line:W		
		5. Bottom Hole Location: Unit:D Lot:D Section:26 Township:22S Range:31E Feet from:331 N/S Line:N Feet from:600 E/W Line:W		
		6. latitude: 32.3670929059123 longitude: -103.755583862856		
		7. County: Eddy		

8. Operator Name and Address: OXY USA INC PO Box 4294 Houston 77210		9. OGRID: 16696	10. Phone Number: 713-366-5069
11. Last Fracture Date: 2/26/2015 Frac Performed by: Schlumberger		12. Production Type: O	
13. Pool Code(s): 39360		14. Gross Fractured Interval: 7,776 ft to 12,193 ft	
15. True Vertical Depth (TVD): 6,979 ft		16. Total Volume of Fluid Pumped: 2,428,365 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)
WF100:YF100FlexD:Treated Water	Schlumberger	Acid Corrosion Inhibitor A286, Activator , Bactericide (Myacide GA25), Surfactant , Acid, Breaker, G	Water (Including Mix Water Supplied by Client)*	NA	0%	83.59537%
			Crystalline silica	14808-60-7	93.91978%	15.40719%
			Hydrochloric acid	7647-01-0	3.14548%	0.516%
			Guar gum	9000-30-0	1.00781%	0.16533%
			Ethylene Glycol	107-21-1	0.54909%	0.09008%
			Phenolic resin	9003-35-4	0.37408%	0.06137%
			Propan-2-ol	67-63-0	0.09463%	0.01552%
			Diammonium peroxidisulphate	7727-54-0	0.08799%	0.01443%
			Gum, xanthan	11138-66-2	0.07843%	0.01287%
			Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5	0.07665%	0.01257%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.0651%	0.01068%
			Sodium hydroxide	1310-73-2	0.0615%	0.01009%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06044%	0.00991%
			Sodium tetraborate	1330-43-4	0.0502%	0.00824%
			Glutaraldehyde	111-30-8	0.04821%	0.00791%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00978%	0.0016%
			Sodium Glycolate (impurity)	2836-32-0	0.00528%	0.00087%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00432%	0.00071%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00361%	0.00059%
			Non-crystalline silica (impurity)	7631-86-9	0.00253%	0.00041%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00252%	0.00041%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00243%	0.0004%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00176%	0.00029%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00176%	0.00029%
			Cinnamaldehyde	104-55-2	0.00158%	0.00026%
			Trisodium nitriiotriacetate (impurity)	5064-31-3	0.00088%	0.00014%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00046%	8E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.0003%	5E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.0002%	3E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	0.00014%	2E-05%
			poly(tetrafluoroethylene)	9002-84-0	0.00013%	2E-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: <u>Signed Electronically</u>	Printed Name: <u>David Stewart</u>	Title: <u>Sr. Regulatory Advisor</u>	
Date: <u>4/13/2015</u>			
E-mail Address: <u>david_stewart@oxy.com</u>			

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