

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. 30-015-37341							
2. Well Name: FEDERAL 23 #016							
		3. Well Number: 016					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment				4. Surface Hole Location: Unit:A Lot:A Section:23 Township:22S Range:31E Feet from:612 N/S Line:N Feet from:509 E/W Line:E			
				5. Bottom Hole Location: Unit:A Lot:A Section:23 Township:22S Range:31E Feet from:612 N/S Line:N Feet from:509 E/W Line:E			
				6. Latitude: 32.3825385787378 longitude: -103.741728231582			
				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: 1/3/2012 Frac Performed by: Halliburton				12. Production Type: O			
13. Pool Code(s): 39360				14. Gross Fractured Interval: 8,306 ft to 8,380 ft			
15. True Vertical Depth (TVD): 8,690 ft				16. Total Volume of Fluid Pumped: 3,867 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)	
Fresh Water	Operator				100%	82.84641%	
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.05808%	
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.24464%	
CRC Premium 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	14.62605%	
			Hexamethylenetetramine	100-97-0	2%	0.29252%	
			Phenol / formaldehyde resin	9003-35-4	5%	0.7313%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00263%	
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.07002%	
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00057%	
			Ethanol	64-17-5	60%	0.03449%	
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.01725%	
			Naphthalene	91-20-3	5%	0.00287%	
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00287%	
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.03765%	
BC-200 UC	Halliburton	Crosslinker	Modified Alkane	Confidential Business Information	60%	0.05115%	
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.0024%	
			Potassium metaborate	13709-94-9	60%	0.02883%	
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.15495%	
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.15495%	
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00084%	
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.31749%	
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.31749%	
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.00987%	
			Acetic anhydride	108-24-7	100%	0.01644%	
FE-2A	Halliburton	Additive	Citric acid	77-92-9	60%	0.01024%	
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00082%	
			Propargyl alcohol	107-19-7	10%	0.00014%	
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	1E-05%	
			Ethanol	64-17-5	60%	0.00083%	
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00041%	
			Naphthalene	91-20-3	5%	7E-05%	
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	7E-05%	
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	9E-05%	
			Ammonium sulfate	Confidential Business Information	30%	0.00054%	
			Inorganic Salt				
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%	
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfur-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%	
			2,7-Naphthalenedisulfonic acid, 5-(acetylamino) -4-hydroxy-3-[(2-methoxyphenyl) azo] -, disodium salt	6625-46-3	0%	0%	
			2-Ethyl hexanol	104-76-7	0%	0%	
			Acrylamide copolymer	Proprietary	0%	0%	
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%	
			Amine Salt	Confidential Business Information	0%	0%	
			Amine Salts	Confidential Business Information	0%	0%	
			Amine Salts	Confidential Business Information	0%	0%	
			Borate salts	Confidential Business Information	0%	0%	
			Butyl alcohol	71-36-3	0%	0%	
			Calcium chloride	10043-52-4	0%	0%	
			Crystalline silica, quartz	14808-60-7	0%	0%	
			Defoamer	Proprietary	0%	0%	
			Enzyme	Confidential Business Information	0%	0%	
			Fatty acids, tall oil	Confidential Business Information	0%	0%	
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%	
			Food red 10	3734-67-6	0%	0%	
			Glycerine	56-81-5	0%	0%	
			Methanol	67-56-1	0%	0%	
			Modified acrylamide copolymer	Proprietary	0%	0%	
			Modified acrylate polymer	Proprietary	0%	0%	
			Modified bentonite	Confidential Business Information	0%	0%	
			Olefins	Confidential Business Information	0%	0%	
			Olefins	Confidential Business Information	0%	0%	
			Olefins	Confidential Business Information	0%	0%	
			Olefins	Confidential Business Information	0%	0%	
			Organic salt	Confidential Business Information	0%	0%	
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%	
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%	
			Propylene carbonate	108-32-7	0%	0%	
			Propylene glycol	57-55-6	0%	0%	
			Quaternary Amine	Confidential Business Information	0%	0%	
			Quaternary Amine	Confidential Business Information	0%	0%	
			Quaternary Amine	Confidential Business Information	0%	0%	
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl,salts with bentonite	68953-58-2	0%	0%	
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%	
			Silica, amorphous - fumed	7631-86-9	0%	0%	
			Sodium acetate	127-09-3	0%	0%	
			Sodium carbonate	497-19-8	0%	0%	
		Sodium Chloride	7647-14-5	0%	0%		
		Sodium sulfate	7757-82-6	0%	0%		
		Water	7732-18-5	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:		7/5/2012					
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.