

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: 30-015-40535							
		2. Well Name: ROO 22 STATE #013							
		3. Well Number: 013							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:22 Township:17S Range:28E Feet from:787 N/S Line:N Feet from:2023 E/W Line:W							
		5. Bottom Hole Location: Unit:C Lot:C Section:22 Township:17S Range:28E Feet from:787 N/S Line:N Feet from:2023 E/W Line:W							
		6. latitude: longitude: 32.8250053723394 - 104.165561264278							
		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: 10/31/2012 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 96830		14. Gross Fractured Interval: 3,525 ft to 4,747 ft							
15. True Vertical Depth (TVD): 4,858 ft		16. Total Volume of Fluid Pumped: 13,143 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%	84.34997%			
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	1.237%			
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.30634%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	13.21262%			
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.02986%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01631%			
			Monoethanolamine borate	26038-87-9	100%	0.05436%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00421%			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02752%			
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Acetic acid	64-19-7	10%	0.01882%			
			Ethylene glycol monobutyl ether	111-76-2	60%	0.11292%			
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential Business Information	100%	0.09929%			
			Butyl glycidyl ether	2426-08-6	30%	0.02979%			
			Butyl lactate	138-22-7	10%	0.00993%			
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.05572%			
			Modified cycloaliphatic amine adduct	Mixture	60%	0.05572%			
			Phosphate ester	Confidential Business Information	10%	0.00929%			
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00015%			
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.04051%			
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00075%			
			Ethanol	64-17-5	60%	0.04505%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02253%			
			Naphthalene	91-20-3	5%	0.00375%			
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00375%			
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19634%			
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%			
			1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-[(4-sulfofenyl)-4-[(4-sulfofenyl)azo]-, trisodium salt	1934-21-0	0%	0%			
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%			
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfofenyl)azo]-, disodium salt	2783-94-0	0%	0%			
			Amine Salts	Confidential Business Information	0%	0%			
			Amine Salts	Confidential Business Information	0%	0%			
			Calcium chloride	10043-52-4	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Ethoxylated Nonylphenol	Confidential Business Information	0%	0%			
			Ethylenediamine	107-15-3	0%	0%			
			FD&C Blue 1	3844-45-9	0%	0%			
			Modified Bentonite	Confidential Business Information	0%	0%			
			Organo Amino Silane	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Phosphoric acid	7664-38-2	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Silica, amorphous - fumed	7631-86-9	0%	0%			
			Siloxanes and silicones, dimethyl,	63148-52-7	0%	0%			
			Sodium Chloride	7647-14-5	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: 1/15/2013						
			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.									