

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: 30-015-41032						
		2. Well Name: CEDAR CANYON 15 #002H						
		3. Well Number: 002H						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: M Lot: M Section: 15 Township: 24S Range: 29E Feet from: 170 N/S Line: S Feet from: 360 E/W Line: W						
		5. Bottom Hole Location: Unit: M Lot: M Section: 15 Township: 24S Range: 29E Feet from: 170 N/S Line: S Feet from: 360 E/W Line: W						
		6. Latitude: 32.2107897609786 longitude: -103.979708987958						
		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: 4/11/2013 Frac Performed by: HALLIBURTON		12. Production Type: O						
13. Pool Code(s): 96473		14. Gross Fractured Interval: 8,900 ft to 12,800 ft						
15. True Vertical Depth (TVD): 12,960 ft		16. Total Volume of Fluid Pumped: 1,393,273 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				100%	84.80733%		
HYDROCHLORIC ACID 15%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.05649%		
Premium White 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	4.40551%		
CRC LT - 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.94287%		
			Hexamethylenetetramine	100-97-0	2%	0.01637%		
			Phenol / formaldehyde resin	9003-35-4	5%	0.04092%		
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.0003%		
MO-87	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.0116%		
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00164%		
			Potassium metaborate	13709-94-9	60%	0.01973%		
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.0347%		
LoSurf - 360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), alpha-isodecyl-, omega-hydroxy-	61827-42-7	30%	0%		
			Ethanol	64-17-5	60%	0.04492%		
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02246%		
			Naphthalene	91-20-3	1%	0.00075%		
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	10%	0.00749%		
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.0059%		
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00348%		
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.05219%		
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04245%		
ATLAS Activator USA	Halliburton	Activator	Methanol	67-56-1	60%	0.04802%		
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.04802%		
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00146%		
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17076%		
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-sulfor-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%		
			Acrylate Polymer	Proprietary	0%	0%		
			Amine Salts	75-57-0	0%	0%		
			Amine Salts	593-81-7	0%	0%		
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%		
			Borate salts	92908-33-3	0%	0%		
			Calcium chloride	10043-52-4	0%	0%		
			Crystalline silica, quartz	14808-60-7	0%	0%		
			Enzyme	37288-54-3	0%	0%		
			Food red 10	3734-67-6	0%	0%		
			Oxylated Phenolic Resin	29316-47-0	0%	0%		
			Oxylated Phenolic Resin	63428-92-2	0%	0%		
			Quaternary Amine	34004-36-9	0%	0%		
			Quaternary Amine	3327-22-8	0%	0%		
			Quaternary Amine	75-50-3	0%	0%		
			Silica gel	112926-00-8	0%	0%		
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%		
			Sodium chloride	7647-14-5	0%	0%		
			Sodium glycollate	2836-32-0	0%	0%		
			Sodium sulfate	7757-82-6	0%	0%		
			Surfactant Mixture	67254-71-1	0%	0%		
			Surfactant Mixture	56449-46-8	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: Keith Barton		Regulatory Team	
							Title: Leader	
			Date: 10/3/2013					
			E-mail Address: keith_barton@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.