

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. 30-015-39831								
		2. Well Name: STERLING SILVER 33 FEDERAL #001H								
		3. Well Number: 001H								
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:33 Township:23S Range:31E Feet from:360 N/S Line:S Feet from:590 E/W Line:E								
		5. Bottom Hole Location: Unit:P Lot:P Section:33 Township:23S Range:31E Feet from:360 N/S Line:S Feet from:590 E/W Line:E								
		6. Latitude: Longitude: 32.2546394562972 - 103.776109330322								
		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: 7/9/2012 Frac Performed by: Halliburton				12. Production Type: O						
13. Pool Code(s): 53815				14. Gross Fractured Interval: 10,470 ft to 13,511 ft						
15. True Vertical Depth (TVD): 9,992 ft				16. Total Volume of Fluid Pumped: 36,916 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%	87.59155%				
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.27471%				
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.41812%				
			Hexamethylenetetramine	100-97-0	2%	0.20836%				
			Phenol / formaldehyde resin	9003-35-4	5%	0.52091%				
CL-31	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.0016%				
CROSSLINKER			Potassium metaborate	13709-94-9	60%	0.01916%				
BC-200 UC	Halliburton	Crosslinker	Modified Alkane	Confidential Business Information	60%	0.06613%				
GasPerm 1100	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.04337%				
			Methanol	67-56-1	10%	0.00723%				
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00361%				
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0057%				
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.08843%				
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.08843%				
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01052%				
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00611%				
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00056%				
SCALECHECK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.02505%				
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.01462%				
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00078%				
			Silica, amorphous precipitated	67762-90-7	30%	0.00023%				
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19275%				
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00373%				
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00339%				
			Crystalline silica, quartz	14808-60-7	30%	0.00102%				
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%				
			2-Ethyl hexanol	104-76-7	0%	0%				
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	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%				
			Cured Acrylic Resin	Confidential Business Information	0%	0%				
			Enzyme	Confidential Business Information	0%	0%				
			Ethoxylated Fatty Acid	Confidential Business Information	0%	0%				
			Ethoxylated Fatty Acid	Confidential Business Information	0%	0%				
			Ethoxylated Fatty Acid	Confidential Business Information	0%	0%				
			Food red 10	3734-67-6	0%	0%				
			Methanol	67-56-1	0%	0%				
			Methyl Isobutyl Ketone	108-10-1	0%	0%				
			Modified bentonite	Confidential Business Information	0%	0%				
			Organic salt	Confidential Business Information	0%	0%				
			Polypropylene glycol	25322-69-4	0%	0%				
			Propylene carbonate	108-32-7	0%	0%				
			Propylene glycol	57-55-6	0%	0%				
			Silica gel	112926-00-8	0%	0%				
			Sodium carbonate	497-19-8	0%	0%				
			Sodium chloride	7647-14-5	0%	0%				
			Sodium sulfate	7757-82-6	0%	0%				
			Surfactant Mixture	Confidential Business Information	0%	0%				
			Surfactant Mixture	Confidential Business Information	0%	0%				
			Terpenes and Terpenoids	Confidential Business Information	0%	0%				
			Trimethylamine, N-oxide	1184-78-7	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: <u>Signed Electronically</u>		Printed Name: <u>KAREN M SINARD</u>		Title: _____			
Date: <u>8/28/2012</u>										
E-mail Address: <u>karen_sinard@oxy.com</u>										

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.