

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: 30-015-40953					
		2. Well Name: WEST SHUGART 2 19 30 STATE #002H					
		3. Well Number: 002H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:I Lot:I Section:2 Township:19S Range:30E Feet from:1920 N/S Line:S Feet from:350 E/W Line:E					
		5. Bottom Hole Location: Unit:I Lot:I Section:2 Township:19S Range:30E Feet from:1920 N/S Line:S Feet from:350 E/W Line:E					
		6. latitude: longitude: 32.6874100386528 - 103.935274055594					
		7. County: Eddy					
8. Operator Name and Address: CHEVRON U S A INC Attn: Sandy Stedman-Daniel P.O. Box 2100 Houston 77252				9. OGRID: 4323		10. Phone Number: 505-333-1941	
11. Last Fracture Date: 7/29/2013 Frac Performed by: FTS International				12. Production Type: O			
13. Pool Code(s): 5200				14. Gross Fractured Interval: 12,935 ft to 12,986 ft			
15. True Vertical Depth (TVD): 8,699 ft				16. Total Volume of Fluid Pumped: 1,023,708 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	CHESAPEAKE ENERGY	Carrier/Base Fluid	Water	007732-18-5	100%	84.03367%	
ParaSorb 5000	BAKER HUGHES	Paraffin Inhibitor	Calcined Diatomaceous Earth	091053-39-3	60%	0.03539%	
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	1%	0.00059%	
			Mineral Oil (Paraffin Oil, White Mineral Oil)	008042-47-5	30%	0.0177%	
CorrSorb 3600	BAKER HUGHES	Corrosion Inhibitor	Calcined Diatomaceous Earth	091053-39-3	100%	0.0118%	
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	1%	0.00012%	
			Proprietary Phosphonic Acid Ester	TRADE SECRET	10%	0.00118%	
			Proprietary Quaternary Ammonium Chloride	TRADE SECRET	30%	0.00354%	
Northern White Sand	FTS INTERNATIONAL	Proppant - Natural	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	7.02536%	
Super LC	FTS INTERNATIONAL	Proppant - Resin Coated	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	97%	4.95418%	
			Hexamethylenetetramine (Hexamine)	000100-97-0	1%	0.05107%	
10.1 - 15 HCL	FTS INTERNATIONAL	Acid	Phenol/Formaldehyde Resin	009003-35-4	5%	0.2537%	
			Hydrochloric Acid	007647-01-0	15%	0.39895%	
B10 (HIGH PH BUFFER)	FTS INTERNATIONAL	pH Adjusting Agent	Water	007732-18-5	85%	2.26069%	
			Potassium Carbonate	000584-08-7	48%	0.04331%	
BXL02 Borate XL	FTS INTERNATIONAL	Cross Linker	Potassium Hydroxide	001310-58-3	20%	0.01805%	
			Boric Acid	010043-35-3	15%	0.01711%	
NE 100	FTS INTERNATIONAL	Non-Emulsifier	Sodium Metaborate Tetrahydrate	001310-58-3	12%	0.01369%	
			2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	010555-76-7	25%	0.02852%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000111-76-2	10%	0.01648%	
SHALESURF 1000	FTS INTERNATIONAL	Surfactant	Dodecylbenzenesulfonic Acid	0027176-87-0	5%	0.00824%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	10%	0.01648%	
			2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	000111-76-2	10%	0.01131%	
			Citrus terpenes	005989-27-5	10%	0.01131%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	10%	0.01131%	
			Methanol (Methyl Alcohol)	000067-56-1	10%	0.01131%	
FRW-200	FTS INTERNATIONAL	Friction Reducer	Proprietary Polyethoxylated Alcohol	TRADE SECRET	20%	0.02262%	
HVG01 (TURQUOISE-1 BULK)	FTS INTERNATIONAL	Gelling Agent	Petroleum Distillate Hydrotreated Light	064742-47-8	26%	0.0094%	
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	2%	0.00865%	
			Guar Gum	009000-30-0	50%	0.21622%	
			Petroleum Distillate Hydrotreated Light Surfactant	064742-47-8	55%	0.23784%	
FE-100L	FTS INTERNATIONAL	Iron Control Agent	Surfactant	068439-51-0	2%	0.00865%	
			Citric Acid	000077-92-9	55%	0.00479%	
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Dimethyl Formamide	000068-12-2	10%	0.00125%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	60%	0.00753%	
			Proprietary Aromatic Aldehyde	TRADE SECRET	10%	0.00125%	
			Proprietary Organic Amine Resin Salt	TRADE SECRET	30%	0.00376%	
			Proprietary Quaternary Ammonium Compound	TRADE SECRET	10%	0.00125%	
			MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Ethylene Glycol	000107-21-1
MC MX 664-5	MULTI-CHEM	Surfactant	Sodium Hydroxide	001310-73-2	5%	0.00044%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	5%	0.00465%	
			Methanol (Methyl Alcohol)	000067-56-1	70%	0.06505%	
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Proprietary Sulfonate	TRADE SECRET	30%	0.02788%	
			Ethanol	000064-17-5	1%	0.00029%	
			Glutaraldehyde (Pentanediol)	000111-30-8	60%	0.01755%	
Additional Ingredients Not Listed on MSDS			Quaternary Ammonium Compound	068424-85-1	10%	0.00293%	
					0%	0%	
CorrSorb 3600, ParaSorb 5000	BAKER HUGHES	Corrosion Inhibitor, Paraffin Inhibitor	Non-MSDS Components Not Provided by Supplier	NOT PROVIDED	0%	0%	
B10 (HIGH PH BUFFER), BXL02 Borate XL, CI-150, FE-	FTS INTERNATIONAL	Corrosion Inhibitor, Cross Linker, Friction Reducer, Iron Control Agent, Non-Emulsifier, pH Adjustin	Proprietary Corrosion Inhibitor Additive (CI-150)	TRADE SECRET	0%	0.00643%	
			Proprietary Friction Reducer Additive (FRW-200 and FRW-200W)	TRADE SECRET	0%	0.03392%	
			Water	007732-18-5	0%	0.50172%	
MC B-8642 (WS), MC MX 664-5, MC S-2510T (WS)	MULTI-CHEM	Anti-Bacterial Agent, Scale Inhibitor, Surfactant	Methanol (Methyl Alcohol)	000067-56-1	0%	0.00017%	
			Non-MSDS Components Not Provided by Supplier	NOT PROVIDED	0%	0%	
			Water	007732-18-5	0%	0.0378%	
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: Cindy Herrera-Murillo		Title: Permitting Specialist			
Date: 8/26/2013							
E-mail Address: eoof@chevron.com							
NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.							