

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. 30-015-40843				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		2. Well Name: WEST SHUGART 2 19 30 STATE #004H				
		3. Well Number: 004H				
		4. Surface Hole Location: Unit:D Lot:4 Section:2 Township:19S Range:30E Feet from:400 N/S Line:N Feet from:150 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:4 Section:2 Township:19S Range:30E Feet from:400 N/S Line:N Feet from:150 E/W Line:W				
		6. latitude: longitude: 32.6956065620458 - 103.950778337225				
		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: 7/15/2013 Frac Performed by: FTS International		12. Production Type: O				
13. Pool Code(s): 5200		14. Gross Fractured Interval: 13,104 ft to 13,120 ft				
15. True Vertical Depth (TVD): 8,636 ft		16. Total Volume of Fluid Pumped: 1,247,862 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%	83.96803%
ParaSorb 5000	BAKER HUGHES	Paraffin Inhibitor	Calcined Diatomaceous Earth	091053-39-3	60%	0.02901%
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	1%	0.00048%
			Mineral Oil (Paraffin Oil, White Mineral Oil)	008042-47-5	30%	0.01451%
CorrSorb 3600	BAKER HUGHES	Corrosion Inhibitor	Calcined Diatomaceous Earth	091053-39-3	100%	0.00967%
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	1%	0.0001%
			Proprietary Phosphonic Acid Ester	TRADE SECRET	10%	0.00097%
			Proprietary Quaternary Ammonium Chloride	TRADE SECRET	30%	0.0029%
Northern White Sand	FTS INTERNATIONAL	Proppant - Natural	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	9.12172%
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	98%	3.7873%
PRC	FTS INTERNATIONAL	Proppant - Resin Coated	Hexamethylenetetramine (Hexamine)	000100-97-0	1%	0.03865%
			Phenol/Formaldehyde Resin	009003-35-4	5%	0.19323%
10.1 - 15 HCL	FTS INTERNATIONAL	Acid	Hydrochloric Acid	007647-01-0	15%	0.35428%
			Water	007732-18-5	85%	2.00758%
B10 (HIGH PH BUFFER)	FTS INTERNATIONAL	pH Adjusting Agent	Potassium Carbonate	000584-08-7	48%	0.01982%
			Potassium Hydroxide	001310-58-3	20%	0.00826%
BXL02E (BORATE XL-INSTANT XL)	FTS INTERNATIONAL	Cross Linker	Sodium Metaborate Tetrahydrate	010555-76-7	30%	0.01367%
NE 100	FTS INTERNATIONAL	Non-Emulsifier	2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	000111-76-2	10%	0.01256%
			Dodecylbenzenesulfonic Acid	027176-87-0	5%	0.00628%
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	10%	0.01256%
			2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	000111-76-2	10%	0.00759%
SHALESURF 1000	FTS INTERNATIONAL	Surfactant	Citrus terpenes	005989-27-5	10%	0.00759%
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	10%	0.00759%
			Methanol (Methyl Alcohol)	000067-56-1	10%	0.00759%
			Proprietary Polyethoxylated Alcohol	TRADE SECRET	20%	0.01519%
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	2%	0.00421%
			Guar Gum	009000-30-0	50%	0.10514%
HVG01 (TURQUOISE-1 BULK)	FTS INTERNATIONAL	Gelling Agent	Petroleum Distillate Hydrotreated Light Surfactant	064742-47-8	55%	0.11565%
				068439-51-0	2%	0.00421%
FE-100L	FTS INTERNATIONAL	Iron Control Agent	Citric Acid	000077-92-9	55%	0.00236%
FRW-200	FTS INTERNATIONAL	Friction Reducer Breaker	Petroleum Distillate Hydrotreated Light Ammonium Persulfate	064742-47-8	26%	0.0017%
APB01 (AMMONIUM PERSUFATE BREAKER)	FTS INTERNATIONAL			007727-54-0	100%	0.0008%
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Dimethyl Formamide	000068-12-2	10%	0.00066%
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	60%	0.00397%
			Proprietary Aromatic Aldehyde	TRADE SECRET	10%	0.00066%
			Proprietary Organic Amine Resin Salt	TRADE SECRET	30%	0.00198%
			Proprietary Quaternary Ammonium Compound	TRADE SECRET	10%	0.00066%
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Ethylene Glycol	000107-21-1	60%	0.00579%
			Sodium Hydroxide	001310-73-2	5%	0.00048%
MC MX 664-5	MULTI-CHEM	Surfactant	Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	5%	0.00374%
			Methanol (Methyl Alcohol)	000067-56-1	70%	0.05236%
			Proprietary Sulfonate	TRADE SECRET	30%	0.02244%
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Ethanol	000064-17-5	1%	0.00024%
			Glutaraldehyde (Pentanediol)	000111-30-8	60%	0.01466%
			Quaternary Ammonium Compound	068424-85-1	10%	0.00244%
Additional Ingredients Not Listed on MSDS					0%	0%
CorrSorb 3600, ParaSorb 5000	BAKER HUGHES	Corrosion Inhibitor, Paraffin Inhibitor	Non-MSDS Components Not Provided by Supplier	NOT PROVIDED	0%	0%
APB01 (AMMONIUM PERSUFATE BREAKER), B10 (HIGH PH B	FTS INTERNATIONAL	Breaker, Corrosion Inhibitor, Cross Linker, Friction Reducer, Iron Control Agent, Non-Emulsifier, pH	Proprietary Breaker (APB01) Additive	TRADE SECRET	0%	5E-05%
			Proprietary Corrosion Inhibitor Additive (CI-150)	TRADE SECRET	0%	0.00342%
			Proprietary Friction Reducer Additive (FRW-200 and FRW-200W)	TRADE SECRET	0%	0.0062%
			Water	007732-18-5	0%	0.30754%
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%	0.00014%
			Non-MSDS Components Not Provided by Supplier	NOT PROVIDED	0%	0%
			Water	007732-18-5	0%	0.03123%
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: eeol@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.						