

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 November 6, 2013							
		1. WELL API NO. 30-025-43461							
		2. Well Name: SD WE 23 FEDERAL P25 #002H							
		3. Well Number: 002H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:23 Township:26S Range:32E Feet from:260 N/S Line:S Feet from:2628 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:23 Township:26S Range:32E Feet from:260 N/S Line:S Feet from:2628 E/W Line:W							
		6. latitude: 32.021644 longitude: -103.645712							
		7. County: Lea							
8. Operator Name and Address: CHEVRON U S A INC Attn:Permitting Team 6301 Deauville Blvd. Midland 79706		9. OGRID: 4323	10. Phone Number: 432-687-7866						
11. Last Fracture Date: 6/10/2017 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97838		14. Gross Fractured Interval: 9,144 ft to 18,921 ft							
15. True Vertical Depth (TVD): 19,144 ft		16. Total Volume of Fluid Pumped: 17,759,480 gals							
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed							
19. 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	Base Fluid	Water	7732-18-5	100%	89.65539%			
BA-20 BUFFERING AGENT	Halliburton	Buffer	Listed Below	Listed Below	0%	0%			
Cla-Web(TM) II	Halliburton	Clay Stabilizer	Listed Below	Listed Below	0%	0%			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%			
HCL >10%	Halliburton	Solvent	Listed Below	Listed Below	0%	0%			
MC B-8626	Halliburton	Biocide	Listed Below	Listed Below	0%	0%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Listed Below	Listed Below	0%	0%			
OptiKleen-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%			
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Proppant	Listed Below	Listed Below	0%	0%			
SAND-PREMIUM WHITE-40/70, BULK	Halliburton	Proppant	Listed Below	Listed Below	0%	0%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%			
DCA-23003	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%			
FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%			
MSDS and Non-MSDS Ingredients are listed below the					0%	0%			
Ingredients	Listed Above	Listed Above	Acetic acid	64-19-7	30%	0.00094%			
			alcohols, c12-13, ethoxylated	66455-14-9	30%	0.02504%			
			alcohols, c12-16, ethoxylated	68551-12-2	5%	0.00417%			
			Amine	Proprietary	0.1%	3E-05%			
			Amine salts	Proprietary	1%	0.00032%			
			Ammonium acetate	631-61-8	100%	0.00314%			
			Ammonium compound	Proprietary	30%	0.00873%			
			Ammonium persulfate	7727-54-0	100%	0.00137%			
			Chlorine compound	Proprietary	30%	0.00873%			
			Crystalline silica, quartz	14808-60-7	100%	9.53051%			
			Cured acrylic resin	Proprietary	30%	0.00041%			
			Didecyldimethylammonium chloride	7173-51-5	10%	0.0025%			
			Ethanol	64-17-5	5%	0.00125%			
			Ethoxylated alcohols	Proprietary	30%	0.00012%			
			Ethoxylated branched C13 alcohol	78330-21-9	5%	0.00368%			
			Fatty acids, tall oil	Proprietary	30%	0.00012%			
			Glutaraldehyde	111-30-8	30%	0.00751%			
			Guar gum	9000-30-0	100%	0.04091%			
			Hydrochloric acid	7647-01-0	30%	0.16598%			
			Hydrotreated petroleum distillate	64742-47-8	30%	0.02205%			
			Methanol	67-56-1	60%	0.00025%			
			Olefins	Proprietary	5%	5E-05%			
			Propargyl alcohol	107-19-7	10%	4E-05%			
			Quaternary amine	Proprietary	1%	0.00058%			
			Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	7%	0.00175%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00012%			
			Sodium chloride	7647-14-5	1%	0.00029%			
			Sodium perborate tetrahydrate	10486-00-7	100%	0.0043%			
			Water	7732-18-5	100%	0.59832%			
			20. 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: Denise Pinkerton Title: Regulatory Specialist						
			Date: 8/2/2017						
E-mail Address: leakejd@chevron.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.