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. 30-015-42593
2. Well Name: RUSTLER BLUFF 19 24 29 FEDERAL #003H
3. Well Number: 003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:N Lot:N Section:19 Township:24S Range:29E; Feet from:330 N/S Line:S; Feet from:1490 E/W Line:W
5. Bottom Hole Location: Unit:N Lot:N Section:19 Township:24S Range:29E; Feet from:330 N/S Line:S; Feet from:1490 E/W Line:W
6. latitude: 32.196682 longitude: -104.0272827
7. County: Eddy

8. Operator Name and Address: CHEVRON U S A INC, Attn: Sandy Stedman-Daniel, 1400 Smith, Houston 77002
9. OGRID: 4323
10. Phone Number: 713-372-2978
11. Last Fracture Date: 1/10/2015 Frac Performed by: Weatherford
12. Production Type: O
13. Pool Code(s): 50371
14. Gross Fractured Interval: 8,721 ft to 12,764 ft
15. True Vertical Depth (TVD): 8,445 ft
16. Total Volume of Fluid Pumped: 2,527,681 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)
Water	Chevron (West Texas)	Carrier / Base Fluid	Carrier / Base Fluid - Water		1%	0.89314%
Ottawa Sand 20/40 (2.63 sg)	Weatherford	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	1%	0.04242%
Garnet	Preferred	Proppant	Castor Oil	8001-79-4	0.05%	0.00074%
			Iron Oxide	1309-37-1	0.01%	0.00015%
			Quartz	14808-60-7	0.98%	0.01455%
WBK-133	Weatherford	Breaker	Ammonium Persulfate	7727-54-0	1%	4E-05%
WBK-134	Weatherford	Breaker	Ammonium Persulfate	7727-54-0	0.75%	6E-05%
Bio-ClearÄ® 5000	Weatherford	Bactericide	2,2-dibromo-3-nitriloproppionamide	10222-01-2	0.05%	1E-05%
			Dibromoacetonitrile	3252-43-5	0.01%	0%
			Polyethylene Glycol	25322-68-3	0.65%	0.00015%
			Sodium Bromide	7647-15-6	0.02%	0%
WBK-143L	Weatherford	Breaker	Potassium chloride	7447-40-7	0.15%	3E-05%
			Sodium chlorite	7758-19-2	0.15%	3E-05%
WCS-631LC	Weatherford	Clay Control	No ingredients as hazardous according to OSHA 29 CFR 1910.1200	NA	0%	0%
WXL-101LM	Weatherford	Crosslink Control	2-Butoxyethanol	111-76-2	0.01%	0%
			Distillates petroleum, hydrotreated light	64742-47-8	0.6%	0.00026%
WXL-105L	Weatherford	Crosslink Control	Boric acid	10043-35-3	0.15%	6E-05%
			Ethylene glycol	107-21-1	0.4%	0.00016%
			Monoethanolamine	141-43-5	0.05%	2E-05%
			Water / Inerts	7732-18-5	0.6%	0.00023%
WFR-55LA	Weatherford	Friction Reducers	Ethylene Glycol	107-21-1	0.05%	1E-05%
WGA-15L	Weatherford	Gelling Agents	Petroleum Distillates	64742-47-8	0.6%	0.00219%
WAI-251LC	Weatherford	Inhibitor	1-Decanol	112-30-1	0.05%	0%
			1-Octanol	111-87-5	0.05%	0%
			2-Butoxyethanol	111-76-2	0.1%	0%
			Ethoxylated Nonylphenol	68412-54-4	0.05%	0%
			Ethylene Glycol	111-76-2	0.4%	1E-05%
			Isopropyl Alcohol	67-63-0	0.05%	0%
			N,N-Dimethylformamide	68-12-2	0.2%	1E-05%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	0.1%	0%
			Triethylphosphate	78-40-0	0.05%	0%
WIC-641L	Weatherford	Iron Control	Citric acid	77-92-9	0.6%	5E-05%
WIC-644L	Weatherford	Iron Control	acetic acid glacial	64-19-7	0.9%	6E-05%
WPB-584L	Weatherford	ph Adjusting Agents	Potassium Carbonate	584-08-7	0.4%	0.00042%
			Potassium Hydroxide	1310-58-3	0.2%	0.00021%
WNE-363L	Weatherford	Surfactant	2-Ethylhexanol	104-76-7	0.07%	6E-05%
			Dodecylbenzenesulfonic acid, monoethanolamine salt	26836-07-7	0.15%	0.00012%
			Ethylene/Propylene Oxide Polymer	11/6/03	0.3%	0.00024%
			Poly (oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-	9043-30-5	0.05%	4E-05%
7.5% HCL	Weatherford	Acid	Hydrochloric Acid	7647-01-0	0.08%	0.04157%
Ingredients shown above are subject to 29 CFR 1910			2-BUTENEDIAMIDE, (E)-, N,N'-BIS [2-(4,5-DIHYDRO-2-NORTALL OIL ALKYL-1H-IMIDAZOL-1-YL) ETHYL] DERIVATIV	68442-77-3	0%	2E-05%
			2-Butoxyethanol	111-76-2	0%	4E-05%
			Acetaldehyde	75-07-0	0%	0%
			Alcohol Ethoxylate	68002-97-1	0%	4E-05%
			Alcohols, C12-16, Ethoxylated	68551-12-2	0%	4E-05%
			Arlacel 83	8007-43-0	0%	4E-05%
			Choline Chloride	67-48-1	0%	0.00053%
			Cinnamaldehyde	104-55-2	0%	0%
			Crystalline Silica in the form of Quartz	14808-60-7	0%	4E-05%
			Deionized water	7732-18-5	0%	0.00015%
			Dioxane	123-91-1	0%	0%
			Distilled Tall-Oil Fatty Acids	61790-12-3	0%	2E-05%
			Ethylene Oxide	75-21-8	0%	0%
			Guar gum	9000-30-0	0%	0.00182%
			Proprietary Ingredient	Proprietary	0%	0.00039%
			Propylene carbonate	108-32-7	0%	0%
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	0%	2E-05%
			Sodium chloride	7647-14-5	0%	4E-05%
			Ulexite Powder	1319-33-1	0%	0.00026%

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: 9/1/2015

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.