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. 30-015-43055
2. Well Name: RUSTLER BLUFF 25 26 28 FEDERAL #001H
3. Well Number: 001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:M Lot:M Section:25 Township:26S Range:28E Feet from:205 N/S Line:S Feet from:660 E/W Line:W
5. Bottom Hole Location: Unit:M Lot:M Section:25 Township:26S Range:28E Feet from:205 N/S Line:S Feet from:660 E/W Line:W
6. latitude: 32.0068264593542 longitude: -104.047290086463
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: 8/30/2015 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 30215
14. Gross Fractured Interval: 8,382 ft to 12,514 ft
15. True Vertical Depth (TVD): 8,235 ft
16. Total Volume of Fluid Pumped: 2,809,674 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	Fresh Water	7732-18-5	100%	83.2985%
HYDROCHLORIC ACID	Halliburton	Base Fluid	Hydrochloric acid	NA	0%	0%
BE-9, CL-28M CROSSLINKER, CL-31 CROSSLINKER, Cla-W	Halliburton	Additive, Biocide, Breaker, Concentrate, Corrosion Inhibitor, Crosslinker, Friction Reducer, Gelling	NA	NA	0%	0%
SAND-PREMIUM WHITE-20/40, BULK, SP BREAKER, WG-36	Halliburton		NA	NA	0%	0%
			Acetic acid	64-19-7	60%	0.0086%
			Acetic anhydride	108-24-7	100%	0.01433%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00191%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00071%
			Alkane	Confidential	1%	0.00082%
			Amide	Confidential	5%	0.00191%
			Amine salts	Confidential	0.1%	6E-05%
			Ammonium chloride	12125-02-9	5%	0.00191%
			Ammonium persulfate	7727-54-0	100%	0.00533%
			Ammonium salt	Confidential	60%	0.01667%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00558%
			Borate salts	Confidential	60%	0.01794%
			Citric acid	77-92-9	60%	0.00892%
			Complex alkylamine	Proprietary	5%	0.00412%
			Crystalline silica, quartz	14808-60-7	100%	14.92399%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00011%
			Cured acrylic resin	Confidential	30%	0.0016%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Fatty acids, tall oil	Confidential	30%	0.00071%
			Guar gum	9000-30-0	100%	0.11156%
			Hexamethylenetetramine	100-97-0	2%	0.04782%
			Hydrochloric acid	7647-01-0	60%	0.83022%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.01147%
			Inorganic mineral	Confidential	5%	0.00149%
			Methanol	67-56-1	60%	0.00142%
			Olefins	Confidential	5%	0.00028%
			Phenol / formaldehyde resin	9003-35-4	5%	0.11954%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.0247%
			Polyacrylate	Confidential	60%	0.02295%
			Polymer	Proprietary	1%	0.0003%
			Potassium hydroxide	1310-58-3	5%	0.00075%
			Potassium metaborate	13709-94-9	60%	0.00905%
			Propargyl alcohol	107-19-7	10%	0.00024%
			Quaternary amine	Confidential	5%	0.00169%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00071%
			Silica gel	112926-00-8	1%	0.00112%
			Sodium bicarbonate	144-55-8	0.01%	1E-05%
			Sodium chloride	7647-14-5	5%	0.0015%
			Sodium hydroxide	1310-73-2	30%	0.00341%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00469%
			Sodium persulfate	7775-27-1	100%	0.00023%
			Sodium sulfate	7757-82-6	0.1%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1%	0.00038%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00038%
			Surfactant mixture	Confidential	1%	0.00223%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00388%
			Water	7732-18-5	100%	1.59174%

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: 11/23/2015

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.