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.
30-025-34944

2. Well Name:
CENTRAL VACUUM UNIT #295

3. Well Number:
295

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:1 Section:6 Township:18S Range:35E
Feet from:669 N/S Line:N
Feet from:10 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:1 Section:6 Township:18S Range:35E
Feet from:669 N/S Line:N
Feet from:10 E/W Line:E

6. latitude: 32.7823851193489 longitude: -103.488454364344

7. County:
Lea

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: 11/26/2013 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
62180

14. Gross Fractured Interval:
4,352 ft to 4,698 ft

15. True Vertical Depth (TVD):
4,435 ft

16. Total Volume of Fluid Pumped:
64,344 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	Operator	Carrier	Water	7732-18-5	100%	78.13893%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.63363%
			Water	7732-18-5	85%	3.59054%
Activator, Superset W, 330 gl tote	Baker Hughes	Activator	Methanol	67-56-1	50%	0.03095%
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.03095%
Alpha 114, 265 gl tote	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00677%
			Quaternary Ammonium Compound	68424-85-1	5%	0.00113%
GBW-5, 5-10 lb bg/carton 50 lb pail	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.01456%
EnZyme G-I	Baker Hughes	Breaker	Contains non-hazardous ingredents which are listed in in the non-MSDS section of the report	NA	100%	0.16394%
CI-31, 55 gl drum	Baker Hughes	Corrosion Inhibitor	Aromatic Aldehyde	Trade Secret	30%	0.00238%
			Benzyl Chloride	100-44-7	1%	8E-05%
			Cyclic Alkanes	Trade Secret	5%	0.0004%
			Formic Acid	64-18-6	60%	0.00477%
			Isopropanol	67-63-0	10%	0.00079%
			Methanol	67-56-1	5%	0.0004%
			Organic Sulfur Compound	Trade Secret	5%	0.0004%
			Oxyalkylated Fatty Acid	Trade Secret	30%	0.00238%
			Quaternary Ammonium Compound	Trade Secret	30%	0.00238%
ZZ XLW-10A (use L488507 -330OW)	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.05276%
			Sodium Hydroxide	1310-73-2	10%	0.01759%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.05276%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.66905%
			Petroleum Distillate Blend (1)	64742-47-8	70%	0.78056%
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.78056%
			Petroluem Distillate Blend (2)	64742-55-8	70%	0.78056%
Ferrotrol 280L , 55 gl drum	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.02407%
			Ammonium Hydroxide	1336-21-6	5%	0.0012%
			Cupric Chloride	7447-39-4	5%	0.0012%
NE-13, 52 gl drum	Baker Hughes	Non-emulsifier	Benzyl Chloride	100-44-7	0.3%	2E-05%
			Isopropanol	67-63-0	40%	0.00266%
			Quaternary Ammonium Compounds	Trade Secret	30%	0.00199%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.02247%
			Propylene Glycol	57-55-6	30%	0.01348%
Sand, Brown, Brady, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	10.20549%
Super LC, 16/30	Baker Hughes	Proppant	Hexamethylenetetramine	100-97-0	0.01%	0.00035%
			Phenol-formaldehyde Resin	9003-35-4	5%	0.17522%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	3.39919%
ScaleTrol 720, 330 gl tote	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00491%
			Ethylene Glycol	107-21-1	30%	0.02948%
Flo-Back 40, 330 gl tote	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40%	0.01949%
Ingredients shown above are subject to 29 CFR 1910			2-Mercaptoethyl Alcohol	60-24-2	0%	0.000278%
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0003177%
			Diethylene Glycol	111-46-6	0%	7.9E-06%
			Ethanol	64-17-5	0%	6.77E-05%
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	0.0049183%
			Methanol	67-56-1	0%	3.16E-05%
			Polyacrylate	Trade Secret	0%	0.0196537%
			Potassium Chloride	7447-40-7	0%	4.91E-05%
			Quaternary Ammonium Compound	Trade Secret	0%	0.0003574%
			Sodium Chloride	7647-14-5	0%	0.0146441%
			Water	7732-18-5	0%	0.2992165%

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: Cindy Herrera-Murillo Title: Permitting Specialist

Date: 12/16/2013

E-mail Address: eeof@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.