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.
30-025-42797

2. Well Name:
SD EA 19 FEDERAL P 6 #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:B Lot:B Section:19 Township:26S Range:33E
Feet from:227 N/S Line:N
Feet from:1747 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:19 Township:26S Range:33E
Feet from:227 N/S Line:N
Feet from:1747 E/W Line:E

6. latitude: 32.02225 longitude: -103.610219

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: 5/16/2016 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97955

14. Gross Fractured Interval:
9,425 ft to 13,702 ft

15. True Vertical Depth (TVD):
9,160 ft

16. Total Volume of Fluid Pumped:
5,435,731 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%	87.30408%
MURIATIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140 X2, BE-9, BE-9W, HAI-OS ACID INHIBITOR, OPT	Halliburton	Biocide, Breaker, Concentrate, Corrosion Inhibitor, Gelling Agent, Initiator, Proppant	NA	NA	0%	0%
CLA-WEB II, DCA-23003, FDP-S1226-15, Scalesorb 3	HES	Clay Control, Friction Reducer, Scale Inhibitor, Surfactant	NA	NA	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.0003%
			Alcohols,C12-13, ethoxylated	66455-14-9	30%	0.02626%
			Alcohols,C12-16, ethoxylated	68551-12-2	5%	0.00438%
			amino alkyl phosphonic acid	Confidential	30%	0.06368%
			Ammonium persulfate	7727-54-0	100%	0.00135%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00183%
			Contains no hazardous substances	NA	100%	0.02772%
			crystalline silica	14808-60-7	1%	0.00212%
			Crystalline silica, quartz	14808-60-7	100%	11.59898%
			Crystalline Silica, Quartz	14808-60-7	0.1%	4E-05%
			Cured acrylic resin	Confidential	30%	0.0004%
			Ethoxylated branched C13 alcohol	78330-21-9	5%	0.00341%
			Ethylene glycol	107-21-1	30%	0.00045%
			Fatty acids, tall oil	Confidential	30%	0.0003%
			Guar gum	9000-30-0	100%	0.03662%
			Hydrochloric acid	7647-01-0	60%	0.36659%
			Hydrotreated light petroleum distillate	64742-47-8	0%	0%
			Methanol	67-56-1	60%	0.0006%
			Monoethanolamine borate	26038-87-9	100%	0.00151%
			Olefins	Confidential	5%	0.00012%
			Propargyl alcohol	107-19-7	10%	0.0001%
			Propylene glycol	57-55-6	60%	0.02237%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.0003%
			Silica gel	112926-00-8	1%	0.00037%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.007%
			Sodium persulfate	7775-27-1	100%	0.00012%
			Sodium sulfate	7757-82-6	0.1%	0%
			Surfactant mixture	Confidential	1%	0.00073%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00429%
			Water	7732-18-5	100%	0.65438%

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: 10/5/2016

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.