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.
30-025-42801

2. Well Name:
SD WE 14 FEDERAL P 5 #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:14 Township:26S Range:32E
Feet from:10 N/S Line:S
Feet from:673 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:14 Township:26S Range:32E
Feet from:10 N/S Line:S
Feet from:673 E/W Line:W

6. latitude: 32.035637 longitude: -103.652028

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: 8/25/2016 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97838

14. Gross Fractured Interval:
9,370 ft to 13,714 ft

15. True Vertical Depth (TVD):
8,999 ft

16. Total Volume of Fluid Pumped:
7,050,211 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%	89.82947%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Listed Below	Listed Below	0%	0%
BE-9	Halliburton	Biocide	Listed Below	Listed Below	0%	0%
Cla-Web(TM)	Halliburton	Additive	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%
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%
Scalesorb III	Baker Hughes	Scale Inhibitor	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%	0.00148%
			Amine salts	Proprietary	0.1%	6E-05%
			Ammonium acetate	631-61-8	100%	0.00494%
			Ammonium persulfate	7727-54-0	100%	0.0013%
			Crystalline silica, quartz	14808-60-7	100%	9.43104%
			Cured acrylic resin	Proprietary	30%	0.00039%
			Ethoxylated alcohols	Proprietary	30%	0.0003%
			Fatty acids, tall oil	Proprietary	30%	0.0003%
			Guar gum	9000-30-0	100%	0.03842%
			Hydrochloric acid	7647-01-0	30%	0.1807%
			Hydroxyalkylammonium chloride	Proprietary	60%	0.01794%
			Methanol	67-56-1	60%	0.0006%
			Olefins	Proprietary	5%	0.00012%
			Propargyl alcohol	107-19-7	10%	0.0001%
			Quaternary amine	Proprietary	5%	0.00182%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.0003%
			Sodium chloride	7647-14-5	5%	0.00149%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00564%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00429%
			Water	7732-18-5	100%	0.66465%

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: 10/24/2016

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.