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. 30-015-40025
2. Well Name: LONGBOARD PWU 20 #001H
3. Well Number: 001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:20 Township:19S Range:29E
Feet from:1500 N/S Line:N
Feet from:355 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:20 Township:19S Range:29E
Feet from:1500 N/S Line:N
Feet from:355 E/W Line:W

6. latitude: 32.6494916178268 longitude: -104.104461270679

7. County: Eddy

8. Operator Name and Address:
DEVON ENERGY PRODUCTION COMPANY, LP
333 W. Sheridan Avenue
Oklahoma City 73102

9. OGRID: 6137

10. Phone Number: 405-228-8588

11. Last Fracture Date: 11/9/2012 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 49637

14. Gross Fractured Interval: Confidential

15. True Vertical Depth (TVD): 8,824 ft

16. Total Volume of Fluid Pumped: 3,361,315 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%	81.20796%
Premium White - 30/50	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.75394%
FE ACID - >10% HCL	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	4.81845%
			Hydrochloric acid	7647-01-0	30%	1.01114%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.80868%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.13278%
FDP-S1007-11	Halliburton	Surfactant	Isopropanol	67-63-0	30%	0.02345%
			Citrus, extract	94266-47-4	10%	0.00782%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Proprietary	50%	0.02033%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.01577%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium metaborate	13709-94-9	60%	0.01142%
			Potassium hydroxide	1310-58-3	5%	0.00095%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01232%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00521%
			Crystalline silica, quartz	14808-60-7	30%	0.00156%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00391%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00377%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00356%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00194%
Ingredients shown above are subject to 29 CFR 1910			Silica gel	112926-00-8	0%	0%
			Cured Acrylic Resin	Proprietary	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Acetic acid	64-19-7	0%	0%
			Tall oil acid diethanolamide	68155-20-4	0%	0%
			Water	7732-18-5	0%	0%
			Acrylate Polymer	Proprietary	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Amine Salts	Proprietary	0%	0%
			Surfactant Mixture	Proprietary	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Citric acid	77-92-9	0%	0%
			Borate salts	Proprietary	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Polyacrylamide Copolymer	Proprietary	0%	0%
			Quaternary Amine	Proprietary	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%

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: Sara Cook Title: Regulatory Associate

Date: 3/19/2015

E-mail Address: sara.cook@dvn.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.