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 February 15, 2012

1. WELL API NO.
30-015-40590

2. Well Name:
AGATE PWU 21 #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:21 Township:19S Range:29E
Feet from:1250 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:21 Township:19S Range:29E
Feet from:1250 N/S Line:N
Feet from:330 E/W Line:W

6. latitude: 32.6501103480277 longitude: -104.087373838575

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: 2/27/2013 Frac Performed by: Elite

12. Production Type:
O

13. Pool Code(s):
55510

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
6,985 ft

16. Total Volume of Fluid Pumped:
1,754,802 gals

17. **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	Devon	Carrier/Base Fluid	Water	7732-18-5	100%	83.87423%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	11.35706%
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7	100%	2.12947%
Hydrochloric Acid (15%)	CNR	Acidizing	Hydrochloric Acid	7647-01-0	38.8%	0.61074%
Claymax	Chemplex	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.05534%
Ferriplex 66	Chemplex	Iron Control	Acetic Acid	64-19-7	50%	0.00413%
			Citric Acid	77-92-9	30%	0.00248%
Plexcide 24B	Chemplex	Biocide	Tetrahydro-3,Dimethyl-2H	533-74-4	24%	0.00585%
			Sodium Hydroxide	1310-73-2	12%	0.00292%
Plexhib 256	Chemplex	Corrosion Inhibitor	Methyl Alcohol	67-56-1	70%	0.00186%
			Propargyl Alcohol	107-19-7	8%	0.00021%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.0008%
			Alcohol Ethoxylate surfactants	Proprietary	30%	0.0008%
			n-olefins	Proprietary	10%	0.00027%
Plexset 730	Chemplex	Activator	Secondary Alcohol Ethoxylate	84133-50-6	50%	0.01109%
			Methyl Alcohol	67-56-1	50%	0.01109%
Plexsurf 240 E	Chemplex	Surfactant	Methyl Alcohol	67-56-1	20%	0.00825%
			Alcohol Ethoxylate surfactants	Proprietary	20%	0.00825%
Plexsurf 580 ME	Chemplex	Surfactant	Methyl Alcohol	67-56-1	10%	0%
			2-Butoxyethanol	111-76-2	50%	0%
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants	Proprietary	8%	0.0008%
			Hydrotreated Petroleum Distillate	64742-47-8	30%	0.003%
			Polyacrylamide-co-Acrytic Acid	9003-06-9	31%	0.0031%
AMA 398	Chemplex	Biocide	Tetrahydro-3,Dimethyl-2H	533-74-4	98%	0%
Plexgel 907 LE	Chemplex	Polymer	Guar Gum	9000-30-0	50%	0.31838%
			Mineral Oil	64742-47-8	55%	0.35022%
			Bentonite Clay	14808-60-7	2%	0.01274%
			Surfactant	68439-51-0	2%	0.01274%
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.01162%
			Potssium Metaborate	13709-94-9	30%	0.03488%
			Potassium Hydroxide	1310-58-3	5%	0.00581%
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes	Proprietary	2%	0.00078%
			Sodium Chloride	7647-14-5	15%	0.00587%
Sodium Persulfate	Chemplex	Gel Breaker	Sodium Persulfate	7775-27-1	98%	0.07355%

18. 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: Derek Berg Title: Engineering Technician

Date: 10/9/2013

E-mail Address: derek.berg@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.