

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

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:N Lot:N Section:19 Township:22S Range:35E
Feet from:33 N/S Line:S
Feet from:2260 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:19 Township:22S Range:35E
Feet from:33 N/S Line:S
Feet from:2260 E/W Line:W

6. latitude: longitude:
32.3699877837271 -103.407689387322

7. County:
Lea

8. Operator Name and Address:
GMT EXPLORATION COMPANY LLC
1560 Broadway
Suite 2000
Denver 80202

9. OGRID: 260511

10. Phone Number: 720-946-3028

11. Last Fracture Date: 8/11/2014 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97293

14. Gross Fractured Interval:
11,346 ft to 14,965 ft

15. True Vertical Depth (TVD):
11,632 ft

16. Total Volume of Fluid Pumped:
2,669,766 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%	85.46557%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.51588%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.35339%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.04132%
FDP-S1007-11	Halliburton	Surfactant	Citrus, extract	94266-47-4	10%	0.00846%
			Isopropanol	67-63-0	30%	0.02539%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00475%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01677%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.0174%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00695%
			Monoethanolamine borate	26038-87-9	100%	0.02317%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00404%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00042%
			Ammonium acetate	631-61-8	100%	0.00141%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00566%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00019%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00136%
			Walnut hulls	Mixture	100%	0.00454%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.10875%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.04592%
Ingredients Listed Below This Line Are Part of the			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Citric acid	77-92-9	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Fatty acid tall oil amide	Confidential Business Information	0%	0%
			Polyacrylamide copolymer	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Water	7732-18-5	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

Date: 9/4/2014

E-mail Address: mwalters@gmtexploration.com

Printed Name: Marissa Walters

Title: Pertotech

NMOCOD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCOD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.