

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 8, 2013

1. WELL API NO
30-025-42583

2. Well Name
SOURSOP 5 STATE COM #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:N Lot:N Section:5 Township:22S Range:35E
Feet from:200 N/S Line:S
Feet from:1700 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:5 Township:22S Range:35E
Feet from:200 N/S Line:S
Feet from:1700 E/W Line:W

6. Istitude:
32.245048 longitude:
-103.233385

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:
10/5/2015 Frac Performed by:
Halliburton

12. Production Type:
O

13. Pool Code(s):
98136

14. Gross Fractured Interval:
10,639 ft to 14,408 ft

15. True Vertical Depth (TVD):
10,124 ft

16. Total Volume of Fluid Pumped:
4,402,359 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%	84.63794%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140 X2, Cla-Web(TM), FE-1A ACIDIZING COMPOSITIO	Halliburton	Additive, Breaker, Concentrate, Corrosion Inhibitor, Flow Enhancer, Friction Reducer, Gelling Agent,	NA	NA	0%	0%
Scalechek(R) SCP-2 Scale Inhibitor, SP BREAKER, WG	Halliburton	Scale Preventer	NA	NA	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4- [(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	3E-05%
			Acetic acid	64-19-7	60%	0.00797%
			Acetic anhydride	108-24-7	100%	0.01032%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00239%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00051%
			Amide	Confidential	5%	0.00239%
			Amine salts	Confidential	0.1%	5E-05%
			Ammonium chloride	12125-02-9	5%	0.00239%
			Ammonium salt	Confidential	60%	0.01545%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00542%
			Citric acid	77-92-9	60%	0.00642%
			Crystalline silica, quartz	14808-60-7	100%	13.84473%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00011%
			Ethoxylated amine	Confidential	5%	0.00892%
			Ethylene glycol	107-21-1	30%	0.00944%
			Fatty acid amine salt mixture	68139-75-3	60%	0.10706%
			Fatty acid ester	Confidential	1%	0.00096%
			Fatty acids, tall oil	Confidential	30%	0.00051%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.05019%
			Guar gum	9000-30-0	100%	0.10843%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.05353%
			Hydrochloric acid	7647-01-0	60%	0.62016%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.01434%
			Inorganic salt	Confidential	10%	0.00478%
			Methanol	67-56-1	60%	0.00102%
			Monoethanolamine borate	26038-87-9	100%	0.03146%
			Naphthalene	91-20-3	5%	0.00892%
			NFIDB:MC B-8614	NFIDB:MC B-8614	100%	0%
			NFIDB:OILPERM FMM-2	NFIDB:OILPERM FMM-2	100%	0%
			Olefins	Confidential	5%	0.0002%
			Polyacrylate	Confidential	30%	0.01434%
			Potassium acetate	127-08-2	0.01%	2E-05%
			Propargyl alcohol	107-19-7	10%	0.00017%
			Quaternary amine	Confidential	5%	0.00157%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00051%
			Silica gel	112926-00-8	1%	0.00108%
			Sodium chloride	7647-14-5	5%	0.0014%
			Sodium hydroxide	1310-73-2	30%	0.00332%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00556%
			Sodium persulfate	7775-27-1	100%	0.0023%
			Sodium sulfate	7757-82-6	0.1%	0%
			Surfactant mixture	Confidential	1%	0.00217%
			Water	7732-18-5	100%	1.22678%

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:
Marissa Walters

Title:
Pertotech

Date:
1/22/2016

E-mail Address:
mwalters@gmtexploration.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.