

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:
30-025-40889

2. Well Name:
ASADERO STATE COM #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:3 Township:21S Range:34E
Feet from:200 N/S Line:S
Feet from:380 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:3 Township:21S Range:34E
Feet from:200 N/S Line:S
Feet from:380 E/W Line:W

6. latitude: longitude:
32.5012428878642 -103.46503378232

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: 10/23/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
28434

14. Gross Fractured Interval:
11,150 ft to 16,450 ft

15. True Vertical Depth (TVD):
10,832 ft

16. Total Volume of Fluid Pumped:
4,590,107 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				100%	85.48553%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.40566%
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.59589%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.93316%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00406%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02641%
FDP-S1007-11	Halliburton	Surfactant	Citrus, extract	94266-47-4	10%	0.00804%
FR-66	Halliburton	Friction Reducer	Isopropanol	67-63-0	30%	0.02413%
BC-140 X2	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.0143%
MO-67	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00737%
SandWedge ABC	Halliburton	pH Control Additive	Monoethanolamine borate	26038-87-9	100%	0.02458%
		Flow Enhancer	Sodium hydroxide	1310-73-2	30%	0.00244%
			Ethoxylated amine	Confidential Business Information	5%	0.01148%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0689%
			Naphthalene	91-20-3	5%	0.01148%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.00921%
			Acetic acid	64-19-7	10%	0.00153%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00619%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.12195%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0012%
			Walnut hulls	Mixture	100%	0.004%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.0001%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01006%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00045%
Ingredients Listed Below This Line Are Part of the			1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-[(4-sulfofenyl)-4-[(4-sulfofenyl)azo]-, trisodium salt	1934-21-0	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfofenyl)azo]-, disodium salt	2783-94-0	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 amine salt mixture	68139-75-3	0%	0%
			Fatty acid tall oil amide	Confidential Business Information	0%	0%
			FD&C Blue 1	3844-45-9	0%	0%
			Polyacrylamide copolymer	Confidential Business Information	0%	0%
			Potassium acetate	127-08-2	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 Printed Name: Marissa Walters Title: Perfotech

Date: 4/29/2014

E-mail Address: mwalters@gmtexploration.com

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