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.
30-015-42447

2. Well Name:
GANT 7 G FEDERAL #002

3. Well Number:
002

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ **Original**

☐ **Amendment**

4. Surface Hole Location:
Unit:G Lot:G Section:7 Township:18S Range:27E
Feet from:1400 N/S Line:N
Feet from:2180 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot:G Section:7 Township:18S Range:27E
Feet from:1400 N/S Line:N
Feet from:2180 E/W Line:E

6. latitude: 32.7657852 longitude: -104.3161087

7. County:
Eddy

8. Operator Name and Address:
LIME ROCK RESOURCES II-A, L.P.
1111 Bagby Street
Suite 4600
Houston 77002

9. OGRID: 277558

10. Phone Number: 713-292-9517

11. Last Fracture Date: 10/9/2015 Frac Performed by: PRODUCER SERVICE

12. Production Type:
O

13. Pool Code(s):
51120

14. Gross Fractured Interval:
2,877 ft to 4,430 ft

15. True Vertical Depth (TVD):
4,521 ft

16. Total Volume of Fluid Pumped:
4,480 gals

17. Total Volume of Re-Use Water Pumped:
4,480 gals

18. Percent of Re-Use Water in Fluid Pumped:
100%

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)
SAND	PSC	PROPPANT	SILICON DIOXIDE	14808-60-7	100%	5.71371%
15% HYDROCHLORIC ACID	PSC	ACIDIZING	HYDROCHLORIC ACID	7647-01-0	10%	0.02829%
PRO BIO 5000	PSC	BIOCIDE	2,2-DIBROMO-3-NITRILOPROPIONAMIDE	10222-01-2	5%	0.00118%
PRO FRA 407	PSC	FRICTION REDUCER	PETROLEUM DISTILATES	64742	40%	0.01806%
			POLYACRYLAMIDE SALT	TRADE SECRET	30%	0.01354%
			SODIUM CLORIDE	7647-14-5	5%	0.00226%
			AMMONIUM CHLORIDE	12125-02-9	5%	0.00226%
			ETHOXYLATE ALCOHOL	TRADE SECRET	5%	0.00226%
			TALL OIL	TRADED SECRET	2%	0.0009%
			TRADE SECRET	TRADE SECRET	1%	0.00045%
PRO SCALE 2250	PSC	SCALE INHIBITOR	SEMI-PERMEABLE COATING	TRADE SECRET	0.5%	2E-05%
			POTASSIUM SALT OF MALEIC ACID CO-POLYMER	TRADE SECRET	1.5%	5E-05%
NEA-100	ROYWELL SERVICE	NON-EMULSIFIER	ALKYLBENZENE SULFONIC ACID	85536-14-7	10%	5E-05%
IRA-200	ROYWELL SERVICE	IRON CONTROL	HYDROCHLORIC ACID	7647-01-0	93%	0.00047%
			STANNOUS CHLORIDE DIHYDRATE	7772-99-8	16%	8E-05%
CI-310	ROYWELL SERVICE	CORROSION INHIBITOR	METHYL ALCOHOL	67-56-1	45%	0.00029%
			ISOQUINOLINE	T	15%	0.0001%
			DIMETHYL FORMAMIDE	68-12-2	10%	6E-05%
			ETHYLENE	107-21-1	20%	0.00013%
			2-BUTOXYETHANOL	111-76-2	5%	3E-05%

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: Mike Pippin Title: Consultant

Date: 10/21/2015

E-mail Address: mike@pippinllc.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.