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.
30-045-33819

2. Well Name:
LUCKY LINDY #002

3. Well Number:
002

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:F Lot:F Section:13 Township:30N Range:12W
Feet from:1350 N/S Line:N
Feet from:1640 E/W Line:W

5. Bottom Hole Location:
Unit:F Lot:F Section:13 Township:30N Range:12W
Feet from:1350 N/S Line:N
Feet from:1640 E/W Line:W

6. latitude: 36.8158385391519 longitude: -108.053130996428

7. County:
San Juan

8. Operator Name and Address:
MANANA GAS INC
2520 TRAMWAY TERRACE CT NE
ALBUQUERQUE 87122

9. OGRID: 13931

10. Phone Number:

11. Last Fracture Date: 3/29/2012 Frac Performed by: Halliburton

12. Production Type:
G

13. Pool Code(s):
71629

14. Gross Fractured Interval:
1,858 ft to 1,882 ft

15. True Vertical Depth (TVD):
1,973 ft

16. Total Volume of Fluid Pumped:
47,431 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)
2% KCL Water	Halliburton				100%	68.19268%
Sand-Premium White	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	23.40206%
GasPerm 1100	Halliburton	Non-iconic Surfactant	Ethanol	64-17-5	30%	0.0388%
			Isopropanol	67-63-0	10%	0.01293%
			Methanol	67-56-1	10%	0.01293%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00647%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.02814%
			monoethanolamine borate	26038-87-9	60%	0.05628%
AQF-2 Foaming Agent	Halliburton	Foaming Agent	Ethylene glycol monobutyl ether	111-76-2	30%	0.02124%
			Diethylene glycol	111-46-6	10%	0.00708%
FDP-S891A-08	Halliburton	Resin	Butyl lactate	138-22-7	10%	0.00652%
			Diethylene glycol monomethyl ether	111-77-3	30%	0.01957%
			Dipropylene glycol monomethyl ether	34590-94-8	10%	0.00652%
FDP-S891B-08	Halliburton	Resin Curing Agent	Diethylene glycol monomethyl ether	111-77-3	30%	0.01888%
			Diethylene glycol monomethyl ether	34590-94-8	30%	0.01888%
			Methanol	67-56-1	5%	0.00315%
LGC-36 UC	Halliburton	Liguid gel concentrate	Guar Gum	9000-30-0	60%	0.17133%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.17133%
GBW-30 Breaker	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	30%	0.00276%
			Carbohydrates	Confidential	100%	0.00921%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00333%
			Walnut hulls	mixture	100%	0.01109%
Nitrogen Liquidfied	Halliburton	Fluid	Nitrogen	7727-37-9	100%	7.67731%

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: John J Rywalt Title: Operator Administrator

Date: 12/17/2013

E-mail Address: JJRNM01@aol.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.