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 February 15, 2012

1. WELL API NO.
30-015-28380

2. Well Name:
ROSS RANCH 22 #004

3. Well Number:
004

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:F Lot:F Section:22 Township:19S Range:25E
Feet from:1980 N/S Line:N
Feet from:1980 E/W Line:W

5. Bottom Hole Location:
Unit:F Lot:F Section:22 Township:19S Range:25E
Feet from:1980 N/S Line:N
Feet from:1980 E/W Line:W

6. latitude: 32.6482076803652 longitude: -104.474644713353

7. County:
Eddy

8. Operator Name and Address:
NEARBURG PRODUCING CO
3300 N. A Street, Bldg 2,
Suite 120
Midland 79707

9. OGRID: 15742

10. Phone Number: 432-818-2940

11. Last Fracture Date: 9/18/2013 Frac Performed by: Baker Hughes

12. Production Type:
G

13. Pool Code(s):
97565

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
3,038 ft

16. Total Volume of Fluid Pumped:
1,618,638 gals

17. **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)
Water	Operator	Carrier	Water	7732-18-5	100%	95.03991%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.11233%
			Water	7732-18-5	85%	0.63654%
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	75%	0.01888%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00017%
			Methanol	67-56-1	60%	0.00034%
			Olefin	Trade Secret	5%	3E-05%
			Polyoxyalkylenes	Trade Secret	30%	0.00017%
			Propargyl Alcohol	107-19-7	10%	6E-05%
			Thiourea Polymer	68527-49-1	30%	0.00017%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Oxyalkylated Alcohol	Trade Secret	5%	0.004%
			Petroleum Distillates	64742-47-8	30%	0.02402%
			Polyacrylate	Trade Secret	60%	0.04803%
			Sodium Chloride	7647-14-5	3%	0.0024%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00356%
			Ammonium Hydroxide	1336-21-6	5%	0.00018%
			Cupric Chloride	7447-39-4	5%	0.00018%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	1.06266%
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	2.402%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.51168%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00139%
			Ethylene Glycol	107-21-1	30%	0.00832%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.0149%
			Mixture of Surfactants	Trade Secret	50%	0.02484%
			Water	7732-18-5	30%	0.0149%
Ingredients shown above are subject to 29 CFR 1910			Formaldehyde	50-00-0	0%	3E-07%
			Glutaraldehyde	111-30-8	0%	0.0075535%
			Methanol	67-56-1	0%	6.29E-05%
			Oleate Ester	1338-43-8	0%	0.0024016%
			Polyacrylate	Trade Secret	0%	0.0055478%
			Polysorbate	9005-65-6	0%	0.0024016%
			Potassium Chloride	7447-40-7	0%	1.39E-05%
			Sodium Chloride	7647-14-5	0%	1.12E-05%
			Water	7732-18-5	0%	0.0503264%

18. 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: Vicki Johnston Title: Regulatory Consultant

Date: 11/6/2013

E-mail Address: vjohnston1@gmail.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.