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.
30-025-31665

2. Well Name:
CERCION FEDERAL #003

3. Well Number:
003

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:B Lot:B Section:21 Township:22S Range:32E
Feet from:420 N/S Line:N
Feet from:1650 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:21 Township:22S Range:32E
Feet from:420 N/S Line:N
Feet from:1650 E/W Line:E

6. latitude: 32.3832108578254 longitude: -103.676531773789

7. County:
Lea

8. Operator Name and Address:
STRATA PRODUCTION CO
PO BOX 1030
ROSWELL 882021030

9. OGRID: 21712

10. Phone Number:

11. Last Fracture Date: 10/2/2013 Frac Performed by: Cudd Energy

12. Production Type:
O

13. Pool Code(s):
39366

14. Gross Fractured Interval:
8,370 ft to 8,494 ft

15. True Vertical Depth (TVD):
8,803 ft

16. Total Volume of Fluid Pumped:
72,458 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		Carrier / Base Fluid		7732-18-5	100%	84.81533%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	10.62906%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	3.47853%
			P/F Novolak Resin	9003-35-4	5%	0.17931%
			Hexamethylenetetramine	1009-7-0	1%	0.03586%
B-24	Weatherfork	Biocide	2,2 Dibromo-3-Nitrilopropionamide	10222-01-2	100%	0.00056%
BF-200	ASK	Buffer	Potassium Hydroxide	1310-58-3	25%	0.02074%
			Water	7732-18-5	80%	0.06636%
FR-601	SNF	Friction Reducer	Copolymer of acrylamide and sodium acrylate	25987-30-8	100%	0.00615%
			Isoparaffinic Solvent	64742-47-8	100%	0.00615%
			Water	7732-18-5	100%	0.00615%
			Nonylphenol	9016-45-9	100%	0.00615%
			Sorbitan Monooleate	1338-43-8	100%	0.00615%
CS-14	Chemplex, L.C.	Clay Control	Non-hazardous salts (Choline)	Proprietary	66%	0.05674%
			Water	7732-18-5	45%	0.03868%
SG-15G	PfP Technology	Polymer	Guar Gum	9000-30-0	50%	0.25761%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.28338%
			Bentonite Clay	14808-60-7	2%	0.0103%
			Surfactant	68439-51-0	2%	0.0103%
CX-10	Benchmark	Crosslinker	Sodium Borate Decahydrate	1303-96-4	29.9%	0.02887%
			Water	7732-18-5	69.1%	0.06673%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00422%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.03863%
S-222	Chemplex, L.C.	Flouro Surfactant	Methanol	67-56-1	100%	0.07%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.03462%
			Poly(oxyethylene) nonyphenol ether	9016-45-9	54%	0.03739%

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: JENNIFER R ZAPATA Title: _____

Date: 10/8/2013

E-mail Address: jzapata@stratanm.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.