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. 30-025-41622
2. Well Name: VACA DRAW 9418 JV-P #003H
3. Well Number: 003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:B Lot:B Section:10 Township:25S Range:33E
Feet from:190 N/S Line:N
Feet from:2310 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:10 Township:25S Range:33E
Feet from:190 N/S Line:N
Feet from:2310 E/W Line:E

6. latitude: 32.1517958322858 longitude: -103.559161840476

7. County: Lea

8. Operator Name and Address:
BTA OIL PRODUCERS, LLC
104 S. Pecos
Midland 79701

9. OGRID: 260297

10. Phone Number: 432-682-3753

11. Last Fracture Date: 7/7/2014 Frac Performed by: Baker Hughes

12. Production Type: O

13. Pool Code(s): 96392

14. Gross Fractured Interval: Confidential

15. True Vertical Depth (TVD): 11,177 ft

16. Total Volume of Fluid Pumped: 2,835,588 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		Water	7732-18-5	100%	85.25729%
FE Acid <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.21369%
CRC 30/50	Halliburton				100%	12.20043%
CL31-Crosslinker	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00144%
			Potassium metaborate	13709-94-9	60%	0.01728%
LOSURF	Halliburton				100%	0%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01537%
			Silica, amorphous precipitated	67792-90-7	30%	0.00461%
BE-9	Halliburton	Biocide	Tributyl Tetradecyl phosphonium chloride	81741-28-8	10%	0.00429%
Cla-Web	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02856%
CLA-STA XP Additive	Halliburton	Clay Stabilizer	Polypichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01133%
CL-22	Halliburton				100%	0%
MO-67	Halliburton	pH control additive	sodium hydroxide	1310-73-2	30%	0.00763%
Scaetrol	Halliburton				100%	9E-05%
BE-6 Microbiocide	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0%
Scalechek SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Blassy calcium magnesium phosphate	65997-17-3	100%	0.02033%
SP Breaker	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.0005%
Optiflo-III Delayed Release Breaker	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00924%
			Crystalline silica, quartz	14808-60-7	30%	0.00277%
WC-36 Gelling Agent	Halliburton	Gelling agent	Guar gum	9000-30-0	100%	0.17592%
Parasorb	Halliburton				100%	0.02033%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	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%
			Polypropylene glycol	25322-69-4	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Sililca gel	112926-00-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant mixture	Confidential Business Informtion	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	0%	0%
			Amine salts	Confidential Business Information	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: Pam Inskeep Title: Regulatory Administrator

Date: 10/21/2014

E-mail Address: pinskeep@btaoil.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.