

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:
30-015-37604

2. Well Name:
LONGVIEW 31 FEDERAL #031

3. Well Number:
031

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒Original
☐Amendment

4. Surface Hole Location:
Unit:L Lot:3 Section:31 Township:22S Range:29E
Feet from:1980 N/S Line:S
Feet from:990 E/W Line:W

5. Bottom Hole Location:
Unit:L Lot:3 Section:31 Township:22S Range:29E
Feet from:1980 N/S Line:S
Feet from:990 E/W Line:W

6. latitude: 32.3473810351264 longitude: -104.028780542979

7. County:
Eddy

8. Operator Name and Address:
RKI EXPLORATION & PRODUCTION, LLC
210 PARK AVENUE
SUITE 900
OKLAHOMA CITY 73102

9. OGRID: 246289

10. Phone Number: 405-996-5774

11. Last Fracture Date: 8/18/2013 Frac Performed by: RKI EXPLORATION & PRODUCTION

12. Production Type:
G

13. Pool Code(s):
15011

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
11,876 ft

16. Total Volume of Fluid Pumped:
115,873 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)
3% KCL Water	Operator				100%	39.8728%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.33156%
PREMIUM PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	5%	0.17909%
CL-37 CROSSLINKER	Halliburton	Crosslinker	Sintered bauxite	1318-16-7	100%	3.58173%
			Glycerine	56-81-5	30%	0.00998%
			Propanol	71-23-8	30%	0.00998%
			Triethanolamine zirconate	101033-44-7	100%	0.03326%
CL-40™ CROSSLINKER	Halliburton	Crosslinker	Triisopropanolamine	122-20-3	30%	0.00828%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00272%
			Ammonium acetate	631-61-8	100%	0.00906%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	30%	0.03587%
			Isopropanol	67-63-0	10%	0.01196%
			Methanol	67-56-1	10%	0.01196%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00598%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential Business Information	30%	0.07547%
			Sodium chloride	7647-14-5	30%	0.07547%
VICON NF BREAKER	Halliburton	Breaker	Chlorous acid, sodium salt	7758-19-2	10%	0.01672%
			Sodium chloride	7647-14-5	30%	0.05015%
CAT-OS-1	Halliburton	Activator	Ammonium acetate	631-61-8	30%	0.00167%
			Cobalt acetate	71-48-7	10%	0.00056%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polypichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.08983%
METHANOL	Halliburton	Solvent	Methanol	67-56-1	100%	3.13449%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.04545%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.0011%
			Propargyl alcohol	107-19-7	10%	0.00018%
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00074%
WG-18 GELLING AGENT	Halliburton	Gelling Agent	Guar gum derivative	Confidential Business Information	100%	0.10278%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00123%
CARBON DIOXIDE, LIQUIFIED	Halliburton	Fluid	Carbon dioxide	124-38-9	100%	51.39022%
Ingredients Listed Below This Line Are Part of the			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Aluminum oxide	1344-28-1	0%	0%
			Aluminum silicate	1302-76-7	0%	0%
			Ammonium sulfate	7783-20-2	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Glycerine	56-81-5	0%	0%
			Iron oxide	1309-37-1	0%	0%
			Methyl Isobutyl Ketone	108-10-1	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Silica, amorphous - fumed	7631-86-9	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Terpenes and terpenoids	Confidential Business Information	0%	0%
			Titanium dioxide	13463-67-7	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	0%	0%
			Zirconium, acetate lactate oxo ammonium complexes	68909-34-2	0%	0%
			Zirconium, chloro hydroxy lactate oxo sodium complexes	174206-15-6	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
Date: 3/12/2015
E-mail Address: hbrehm@rkixp.com

Printed Name: Heather Brehm

Title: Regulatory analyst

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.