

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:
30-015-42236

2. Well Name:
LONGVIEW FEDERAL 12 #002H

3. Well Number:
002H

4. Surface Hole Location:
Unit:B Lot:B Section:12 Township:23S Range:28E
Feet from:780 N/S Line:N
Feet from:1855 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:B Section:12 Township:23S Range:28E
Feet from:780 N/S Line:N
Feet from:1855 E/W Line:E

6. latitude: longitude:
32.3253326 -104.0380249

7. County:
Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

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: 1/3/2016 Frac Performed by: RKI EXPLORATION & PRODUCTION

12. Production Type:
O

13. Pool Code(s):
15011

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
8,366 ft

16. Total Volume of Fluid Pumped:
3,805,478 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	Carrier Fluid	Water	7732-18-5	100%	80.22514%
Proppant (Sand)	RockPile Energy	Propping Agent	Crystalline Silica, quartz	14808-60-7	100%	15.94619%
Ecopol-2000LMS	RockPile Energy	Water Gelling Agent	Petroleum Distillates (Mineral Oil)	64742-47-8	55%	0.20165%
			Guar Gum	9000-30-0	50%	0.18332%
			Organophilic Clay	68953-58-2	3%	0.011%
			Ethoxylated Alcohol	9043-30-5	0.5%	0.00183%
Ecopol DBXL-90	RockPile Energy	Crosslinker	Petroleum Distillates (Mineral Oil)	64742-47-8	55%	0.02771%
			Ulexite	1319-33-1	50%	0.02519%
			Organophilic Clay	68953-58-2	3%	0.00151%
			Ethoxylated Alcohol	9043-30-5	3%	0.00151%
Ecopol-EC101	RockPile Energy	Crosslinker	Ethylene Glycol	107-21-1	55%	0.02261%
			Potassium Metaborate	13709-94-9	25%	0.01028%
			Potassium Hydroxide	1310-58-3	10%	0.00411%
			Sodium Hydroxide	1310-73-2	10%	0.00411%
			Water	7732-18-5	30%	0.01233%
Econo-CS35	RockPile Energy	Activator	Water	7732-18-5	80%	0.04761%
			Sodium Hydroxide	1310-73-2	35%	0.02083%
15% HCl	RockPile Energy	Acid	Hydrochloric Acid	7647-01-0	15%	0.10509%
			Water	7732-18-5	85%	0.59551%
Econo-FR300	RockPile Energy	Friction Reducer	Acrylamide and Acrylic Acid Copolymer	25987-30-8	30%	0.00169%
			Mineral Oil	64742-47-8	25%	0.00141%
Econo-B648L	RockPile Energy	Biocide	Sodium Hydroxide	1310-73-2	4%	0.00093%
			Water	7732-18-5	72%	0.01681%
			Tetrahydro-3, 5-dimethyl- 2H-1,3,3-thiadiazine-2-thione	533-74-4	24%	0.0056%
Ecopol-SI2000	RockPile Energy	Scale Inhibitor	Ethylene Glycol	107-21-1	40%	0.01889%
PS1	RockPile Energy	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00632%
Econo-Max	RockPile Energy	Clay Stabilizer	Water	7732-18-5	40%	0.03186%
			Choline chloride	67-48-1	60%	0.04779%
InnoProp Python CR	InnoProp	Resin Coat Proppant	Crystalline Silica (quartz)	14808-60-7	96%	2.24757%
			Phenol-formaldehyde copolymer	9003-35-4	3.5%	0.08194%
			Hexamine (hexamethylenetetramine)	100-97-0	0.4%	0.00936%
EcoPol - FEAC	Economy	Iron control	Acetic Acid	64-19-7	40%	0.00062%
			Citric Acid	77-92-9	20%	0.00031%
			Water	7732-18-5	40%	0.00062%
Econo-CI200	Economy	Corrosion inhibitor	Methanol	67-56-1	80%	0.00095%
			Fatty Acids	Proprietary	10%	0.00012%
Rock On MX 5-3447	MultiChem	Surfactant	Methyl alcohol	67-56-1	30%	0.02343%
			Sulfonates	Proprietary	30%	0.02343%
			Ethoxylated Alcohols	Proprietary	6%	0.00469%
SuperSet W	Fairmount Santrol	Resin Activator	Methyl Alcohol	67-56-1	50%	0.0131%
			Nonylphenol Ethoxylate	9016-45-9	50%	0.0131%

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: Heather Brehm

Date: 2/4/2016

E-mail Address: hbrehm@rkixp.com

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.