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.
30-045-35776

2. Well Name:
W LYBROOK UNIT #712H

3. Well Number:
712H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☐ **Original**

☒ **Amends disclosure submitted on 6/14/2017**

4. Surface Hole Location:
Unit:F Lot:F Section:13 Township:23N Range:09W
Feet from:1999 N/S Line:N
Feet from:2478 E/W Line:W

5. Bottom Hole Location:
Unit:G Lot:G Section:11 Township:23N Range:09W
Feet from:2432 N/S Line:N
Feet from:2287 E/W Line:E

6. latitude: 36.228719 longitude: -107.740861

7. County:
San Juan

8. Operator Name and Address:
WPX ENERGY PRODUCTION, LLC
PO Box 640
721 South Main
Aztec 87410

9. OGRID: 120782

10. Phone Number: 505-333-1801

11. Last Fracture Date: 5/31/2017 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
98157

14. Gross Fractured Interval:
5,427 ft to 12,023 ft

15. True Vertical Depth (TVD):
4,855 ft

16. Total Volume of Fluid Pumped:
1,447,542 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	Base Fluid	Water	7732-18-5	100%	56.74553%
Cla-Web(TM)	Halliburton	Additive	Listed Below	Listed Below	0%	0%
GBW-30 BREAKER	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
HC-2	Halliburton	Additive	Listed Below	Listed Below	0%	0%
LOSURF-300D	Halliburton	Non-ionic Surfactant	Listed Below	Listed Below	0%	0%
NITROGEN LIQUEFIED	Halliburton	Fluid	Listed Below	Listed Below	0%	0%
SAND-PREMIUM WHITE-20/40, BULK	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	1,2,4 Trimethylbenzene	95-63-6	1%	0.00022%
			Amine salts	Proprietary	0.1%	5E-05%
			Crystalline silica, quartz	14808-60-7	100%	31.14923%
			Ethanol	64-17-5	60%	0.01331%
			Glycerine	56-81-5	5%	0.00482%
			Guar gum	9000-30-0	100%	0.02419%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00666%
			Hemicellulase enzyme	9012-54-8	30%	0.00055%
			Hydroxyalkylammonium chloride	Proprietary	60%	0.01614%
			Inner salt of alkyl amines	Proprietary	30%	0.02892%
			Lactose	63-42-3	100%	0.00184%
			Naphthalene	91-20-3	5%	0.00111%
			Nitrogen	7727-37-9	100%	11.93371%
			Oxylated phenolic resin	Proprietary	30%	0.00888%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00111%
			Quaternary amine	Proprietary	5%	0.00164%
			Sodium chloride	7647-14-5	30%	0.03027%
			Water	7732-18-5	60%	0.07398%

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: Tiffany Smith Title: Engineering Technician II

Date: 8/23/2017

E-mail Address: Tiffany.Smith@wpxenergy.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.