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. 30-043-21153

2. Well Name: LYBROOK M27 2306 #002H

3. Well Number: 002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:27 Township:23N Range:06W
Feet from:960 N/S Line:S
Feet from:181 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:27 Township:23N Range:06W
Feet from:960 N/S Line:S
Feet from:181 E/W Line:W

6. latitude: 36.1917431601361 longitude: -107.463819092049

7. County: Sandoval

8. Operator Name and Address:
ENCANA OIL & GAS (USA) INC.
370 17th Street, Suite 1700
Denver 80202

9. OGRID: 282327

10. Phone Number: 720-876-3989

11. Last Fracture Date: 2/1/2014 Frac Performed by: Baker Hughes

12. Production Type: O

13. Pool Code(s): 13379

14. Gross Fractured Interval: Confidential

15. True Vertical Depth (TVD): 5,595 ft

16. Total Volume of Fluid Pumped: 458,023 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)
Water	Operator	Carrier	Water	7732-18-5	100%	54.44054%
Alpha 1427	Baker Hughes	Biocide	Didecyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.00752%
			Ethanol	64-17-5	5%	0.00376%
			Glutaraldehyde	111-30-8	30%	0.02256%
			Quaternary Ammonium Compound	68424-85-1	5%	0.00376%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00078%
Enzyme G-III	Baker Hughes	Breaker	Contains non-hazardous ingredents which are listed in in the non-MSDS section of the report	NA	0%	0%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05048%
			Water	7732-18-5	30%	0.02019%
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Acid Phosphate Ester	9046-01-9	10%	0.00157%
			Crystalline Silica: Quartz	14808-60-7	1%	0.00016%
			Ethylene Glycol	107-21-1	1%	0.00016%
			Quaternary Ammonium Compound	61789-71-7	30%	0.0047%
BioSealers MR	Baker Hughes	Degradable Sealers	Non-Hazardous Ingredient	Trade Secret	100%	0.00428%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Alkyl Sulfate (1 of 3)	Trade Secret	1%	0.00177%
			Alkyl Sulfate (2 of 3)	Trade Secret	1%	0.00177%
			Alkyl Sulfate (3 of 3)	Trade Secret	1%	0.00177%
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.01769%
			Isopropanal	67-63-0	30%	0.05308%
			Sodium Sulfonate	68439-57-6	30%	0.05308%
GW-3LDF	Baker Hughes	Gelling Agent	1-butoxy-2-propanol	5131-66-8	5%	0.01776%
			Crystalline Silica: Quartz	14808-60-7	5%	0.01776%
			Guar Gum	9000-30-0	60%	0.21315%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.01776%
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.10658%
			Petroleum Distillates	64742-47-8	30%	0.10658%
Nitrogen	Baker Hughes	Nitrogen	Liquid Nitrogen	7727-37-9	100%	19.41259%
NE-900, drum	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.01757%
			Nonyl Phenyl Polyethylene Glycol Ether	9016-45-9	10%	0.00586%
Parasorb 5005, 50 lb bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	100%	0.07841%
			Complex Ester	Trade Secret	30%	0.02352%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00078%
			Ethylene-Vinyl Acetate Copolymer	Trade Secret	5%	0.00392%
			Heavy Aromatic Naphtha	64742-94-5	10%	0.00784%
			Mineral Oil	8042-47-5	5%	0.00392%
			Naphthalene	91-20-3	1%	0.00078%
Sand, Brown, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	25.22511%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.0047%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00016%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.01568%
			Phosphonic Acid	13598-36-2	1%	0.00016%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01426%
			Oxyalkylated Alkylphenol (1)	Trade Secret	10%	0.00475%
			Oxyalkylated Alkylphenol (2)	Trade Secret	10%	0.00475%
			Oxyalkylated Amine	Trade Secret	3%	0.00143%
			Polyoxyalkylene	Trade Secret	10%	0.00475%
Ingredients shown above are subject to 29 CFR 1910			2-butoxy-1-propanol	15821-83-7	0%	0.00036%
			Copolymer	Trade Secret	0%	0.02342%
			Ethoxylated Alcohol	Trade Secret	0%	0.00177%
			Ethylene Glycol	107-21-1	0%	0.00177%
			Fatty Amide Derivative	70851-08-0	0%	0.00177%
			Formaldehyde	50-00-0	0%	0.00177%
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	3E-05%
			Sodium Chloride	7647-14-5	0%	0.00177%
			Sodium Sulfate	7757-82-6	0%	0.00177%
			Water	7732-18-5	0%	0.2188%

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: BRENDA R LINSTER Title:

Date: 3/5/2014

E-mail Address: brenda.linster@encana.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.