

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:
30-043-21142

2. Well Name:
LYBROOK E29 2306 #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:29 Township:23N Range:06W
Feet from:1306 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:29 Township:23N Range:06W
Feet from:1306 N/S Line:N
Feet from:330 E/W Line:W

6. latitude: longitude:
36.20026 -107.49905

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: 2/2/2014 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
42289

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
5,527 ft

16. Total Volume of Fluid Pumped:
287,133 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%	67.33502%
Alpha 452, 330 gl tote	Baker Hughes	Biocide	Tetrakis (hydroxymethyl) Phosphonium Sulfate	55566-30-8	60%	0.019%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00042%
Enzyme G-I	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in in the non-MSDS section of the report	NA	100%	0.01642%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00633%
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.07897%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05469%
XLW-32	Baker Hughes	Crosslinker	Water	7732-18-5	30%	0.02188%
			Boric Acid (H3BO3)	10043-35-3	30%	0.01414%
			Methanol	67-56-1	60%	0.02829%
			Methyl Borate	121-43-7	30%	0.01414%
BioSealers MR	Baker Hughes	Degradable Sealers	Non-Hazardous Ingredient	Trade Secret	100%	0.00211%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Alkyl Sulfate (1 of 3)	Trade Secret	1%	0.00282%
			Alkyl Sulfate (2 of 3)	Trade Secret	1%	0.00282%
			Alkyl Sulfate (3 of 3)	Trade Secret	1%	0.00282%
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.02818%
			Isopropanol	67-63-0	30%	0.08455%
			Sodium Sulfonate	68439-57-6	30%	0.08455%
GW-3LDF	Baker Hughes	Gelling Agent	1-butoxy-2-propanol	5131-66-8	5%	0.01824%
			Crystalline Silica: Quartz	14808-60-7	5%	0.01824%
			Guar Gum	9000-30-0	60%	0.21883%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.01824%
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.10942%
			Petroleum Distillates	64742-47-8	30%	0.10942%
Nitrogen	Baker Hughes	Nitrogen	Liquid Nitrogen	7727-37-9	100%	6.38418%
NE-900, drum	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.01952%
			Nonyl Phenyl Polyethylene Glycol Ether	9016-45-9	10%	0.00651%
Parasorb 5005, 50 lb bag	Baker Hughes	Paraffin Inhibitor	Caicined	91053-39-3	100%	0.04219%
			Diatomaceous Earth			
			Complex Ester	Trade Secret	30%	0.01266%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00042%
			Ethylene-Vinyl Acetate Copolymer	Trade Secret	5%	0.00211%
			Heavy Aromatic Naphtha	64742-94-5	10%	0.00422%
			Mineral Oil	8042-47-5	5%	0.00211%
			Naphthalene	91-20-3	1%	0.00042%
Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	23.09024%
Sand, Brown, 12/20	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	2.05634%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00253%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	8E-05%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.00844%
			Phosphonic Acid	13598-36-2	1%	8E-05%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01901%
			Oxyalkylated Alkylphenol (1)	Trade Secret	10%	0.00634%
			Oxyalkylated Alkylphenol (2)	Trade Secret	10%	0.00634%
			Oxyalkylated Amine	Trade Secret	3%	0.0019%
			Polyoxyalkylene	Trade Secret	10%	0.00634%
Ingredients shown above are subject to 29 CFR 1910			2-butoxy-1-propanol	15821-83-7	0%	0.00036%
			Copolymer	Trade Secret	0%	0.02603%
			Cured Resin	Trade Secret	0%	0.00152%
			Ethoxylated Alcohol	Trade Secret	0%	0.00282%
			Ethylene Glycol	107-21-1	0%	0.00282%
			Fatty Amide Derivative	70851-08-0	0%	0.00282%
			Formaldehyde	50-00-0	0%	0.00283%
			Hemicellulase	9025-56-3	0%	0.00049%
			Enzyme Concentrate			
			Potassium Hydroxide	1310-58-3	0%	0.00132%
			Sodium Aryl Sulfonate	119345-04-9	0%	0.00032%
			Sodium Chloride	7647-14-5	0%	0.00283%
			Sodium Sulfate	7757-82-6	0%	0.00283%
			Water	7732-18-5	0%	0.32053%

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: BRENDAR LINSTER Title: _____

Date: 3/19/2014

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.