

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:
30-043-21221

2. Well Name:
LYBROOK P03 2206 #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:3 Township:22N Range:06W
Feet from:438 N/S Line:S
Feet from:1222 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot: Section:15 Township:22N Range:06W
Feet from:2345 N/S Line:N
Feet from:2068 E/W Line:E

6. latitude: 36.1610799408849 longitude: -107.450957417421

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: 1/10/2015 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
42289

14. Gross Fractured Interval:
6,038 ft to 13,347 ft

15. True Vertical Depth (TVD):
13,347 ft

16. Total Volume of Fluid Pumped:
1,728,132 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%	97.6215815%
GBW-5	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0015382%
Enzyme G-I	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0124259%
High Perm CRB	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0029601%
BF-9L, 300 gal tote	Baker Hughes	Buffer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.1313812%
ClayCare, ClayTreat-2C, 330 gi tote	Baker Hughes	Clay Control	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.1225945%
XLW-4	Baker Hughes	Crosslinker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.1082075%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.3726748%
GW-3LDF	Baker Hughes	Gelling Agent	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.5494221%
NE-900, drum	Baker Hughes	Non-emulsifier	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.1060442%
Calcium Chloride	Baker Hughes	Salts	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0017091%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0886522%
Ingredients in Additive(s) (MSDS and non-MSDS)	Baker Hughes	See Trade Name(s) List	1-butoxy-2-propanol	5131-66-8	5%	0.0272255%
			2-butoxy-1-propanol	15821-83-7	0.1%	0.0005445%
			Alcohols, ethoxylated	68551-12-2	10%	0.008786%
			Amines, unsatd, alkyl, ethoxylated	68155-39-5	5%	0.004393%
			Ammonium Alkyl Ether Sulfate	78330-26-4	10%	0.0369342%
			Ammonium Persulphate	7727-54-0	100%	0.004458%
			Calcium Chloride	10043-52-4	100%	0.0016938%
			Choline Chloride	67-48-1	75%	0.0911238%
			Crystalline Silica: Quartz	14808-60-7	5%	0.0272255%
			Ethoxylated Alcohol	68439-46-3	1%	0.0036934%
			Ethylene Glycol	107-21-1	1%	0.0036934%
			Fatty Amide Derivative	70851-08-0	1%	0.0036934%
			Formaldehyde	50-00-0	1%	0.0036934%
			Glycerin	8043-29-6	25%	0.02681%
			Guar Gum	9000-30-0	60%	0.3267055%
			Hemicellulase	9025-56-3	3%	0.0003694%
			Enzyme Concentrate			
			Hydrated Magnesium Silicate	14807-96-6	1%	2.93E-05%
			Isopropanol	67-63-0	30%	0.1108027%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.0272255%
			Methanol	67-56-1	30%	0.0578867%
			Mineral Oil	8042-47-5	70%	0.3811565%
			Oxyalkylated Alkylphenol	9016-45-9	10%	0.0105096%
			Paraffinic, Petroleum Distillate	64742-55-8	30%	0.1633528%
			Petroleum Distillates	64742-47-8	30%	0.1633528%
			Poly (Tetrafluoroethylene)	9002-84-0	0.5%	1.47E-05%
			Polyamines	68815-65-1	40%	0.0420384%
			Polyethylene glycol nonylphenyl ether	9016-45-9	15%	0.0131789%
			Potassium Carbonate	584-08-7	60%	0.0781239%
			Potassium Chloride	7447-40-7	5%	8.47E-05%
			Potassium Hydroxide	1310-58-3	30%	0.0390619%
			Sodium Chloride	7647-14-5	5%	0.0037781%
			Sodium Sulfate	7757-82-6	1%	0.0036934%
			Sodium Sulfonate	68439-57-6	30%	0.1108027%
			Sodium Tetraborate	1303-96-4	30%	0.032172%
			Sulfuric acid, monodecyl ester, sodium salt (1:1)	142-87-0	5%	0.0184671%
			Sulfuric acid, monohexyl ester, sodium salt (1:1)	2207-98-9	1%	0.0036934%
			Sulfuric acid, monooctyl ester, sodium salt (1:1)	142-31-4	5%	0.0184671%
			Vinylidene Chloride-Methyl Acrylate Polymer	25038-72-6	25%	0.0007334%
			Water	7732-18-5	97%	0.52875%

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: 4/20/2015

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

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