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 8, 2013

1. WELL API NO.: 30-045-35525
2. Well Name: LYBROOK O35 2308 #001H
3. Well Number: 001H
4. Surface Hole Location: UL: O Section: 35 Township: 23N Range: 08W Feet from: 272 N/S Line: S Feet from: 1391 E/W Line: E
5. Bottom Hole Location: UL: O Section: 2 Township: 22N Range: 08W Feet from: 1190 N/S Line: S Feet from: 1707 E/W Line: E
6. latitude: 36.176687029945371 longitude: -107.64656457022261
7. County: San Juan

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

8. Operator Name and Address: ENCANA OIL & GAS (USA) INC. 370 17th Street, Suite 1700 Denver, CO 80202
9. OGRID: 282327
10. Phone Number: 720-876-3959
11. Last Fracture Date: 12/30/2014 Frac Performed by: Baker Hughes
12. Production Type:
13. Post Grade(s): 1030
14. Gross Fractured Interval: 5,327 ft to 10,945 ft
15. True Vertical Depth (TVD): 5,990 ft
16. Total Volume of Fluid Pumped: 1,005,435 gals
17. Total Volume of Re-Use Water Pumped: 0 gals
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%	67.32977447%
Alpha 1427	Baker Hughes	Biocide	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.00770919%
X-Cide 725, tote	Baker Hughes	Biocide	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.02924355%
GBW-5	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.00159127%
Enzyme G-1	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.03376six%
High Perm CRB	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.04041142%
BF-9L, 300 gal tote	Baker Hughes	Buffer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.12353849%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.05056certain%
XLW-4	Baker Hughes	Crosslinker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.07329959%
XLW-4	Baker Hughes	Crosslinker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.00556276%
FAW-22, 200 gal. tote	Baker Hughes	Foamer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.26971713%
GW-3LDF	Baker Hughes	Gelling Agent	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.36479979%
NE-900, drum	Baker Hughes	Non-emulsifier	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.07050053%
NE-900, tote	Baker Hughes	Non-emulsifier	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.00552517%
Sand, Brown, 20/40	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	26.54699%
Sand, Brown, 16/30	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	2.51854%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.01131six%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.09752773%
Ingredients in Additive(s) (MSDS and non-MSDS)	Baker Hughes	See Trade Name(s) List	1-Dodecyl-2-pyrrolidinone (2-Pyrrolidinone, 1-dodecyl-)	5137-66-8	5%	0.01812133%
			2-Methyl-2-propanol	77-42-9	1%	0.00029067%
			2-Propenoic acid, polymer with 2-propenamide, sodium salt (1:1)	25987-30-8	0.1%	0.00029067%
			Alcohols, ethoxylated	68551-12-2	10%	0.00870946%
			Alkenes, unsaturated, ethyl, ethoxylated	68155-39-5	5%	0.00435484%
			Amino Trimethylene Phosphonic Acid	6419-19-8	20%	0.00314462%
			Butyl, methyl, ethyl ether, sulfate	76330-20-4	10%	0.02873327%
			Ammonium Persulphate	7727-54-0	100%	0.09572721%
			Choline Chloride	67-48-1	75%	0.06318595%
			Crystalline Magnesium Oxide	14464-46-1	1%	0.00011124%
			Crystalline Silica (Quartz)	14808-60-7	100%	30.9835152%
			Crystalline Silica, Quartz	14808-60-7	5%	0.01812133%
			Diatomaceous Earth, Calcined	91053-39-3	74%	0.06832035%
			Decyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.00207667%
			Ethanol	64-17-5	5%	0.00035267%
			Ethoxylated Alcohol	68439-46-3	1%	0.00207127%
			Ethylene Glycol	107-21-1	1%	0.00207127%
			Fatty Amide Derivative	70851-08-0	1%	0.00207127%
			Formaldehyde	50-00-0	1%	0.00316389%
			Glutaraldehyde	111-30-8	30%	0.09207979%
			Glycerin	9043-29-6	25%	0.01905535%
			Guar Gum	9000-30-0	60%	0.21747979%
			Hemicellulase	9025-56-3	3%	0.0010667%
			Enzyme Concentrate			
			Hydrated Magnesium Silicate	14807-96-6	1%	4.08E-05%
			Isopropanol	67-63-0	30%	0.0987567%
			Nonfoxtarol, ethoxylated	9043-30-5	5%	0.01812133%
			Methanol	67-56-1	30%	0.04253171%
			Mineral Oil	8042-47-5	70%	0.21125267%
			Polyethylene Glycol	25322-68-3	50%	0.09207979%
			Nonylphenol Ethoxylated	9016-45-9	10%	0.00478575%
			Polyethylene Polyamine Derivative	64742-55-8	30%	0.10873967%
			Petroleum Distillates	64742-47-8	30%	0.10873967%
			Phosphonic Acid	13598-36-2	1%	0.00017124%
			Potassium Iodide	9002-84-0	0.5%	2.04E-05%
			Tetrakis(hydroxymethyl)-phosphonium Sulfate (THPS)	55566-30-8	40%	0.03207027%
			Polyethylene glycol nonylphenyl ether	9016-45-9	15%	0.01006437%
			Potassium Metaborate	584-08-7	60%	0.07364511%
			Potassium Hydroxide	1310-58-3	30%	0.03662487%
			Quaternary Ammonium Compound	68424-85-1	5%	0.00035267%
			Sodium Chloride	7647-14-5	1%	0.00207127%
			Sodium Sulfate	7757-82-6	1%	0.00207127%
			Sodium Sulfite	7757-83-7	30%	0.09875967%
			Sodium Tetraborate	1303-96-4	30%	0.03352024%
			Sulfuric acid, monooctyl ester, sodium salt (1:1)	142-87-0	5%	0.01436616%
			Sulfuric acid, monohexyl ester, sodium salt (1:1)	2207-99-9	1%	0.00207127%
			Sulfuric acid, monooctyl ester, sodium salt (1:1)	142-31-4	5%	0.01436616%
			Trihydroxyoxomethyl-Trihydroxyaluminum	126-11-4	30%	0.00871169%
			Vinylidene Chloride-Methyl Acrylate Polymer	25038-72-6	25%	0.00102227%
			Water	7732-18-5	37%	0.4625976%

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: 3/15/2015

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

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