

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:
30-043-21122

2. Well Name:
LYBROOK H01 2206 #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☐ Original

☒ Amends disclosure submitted on 4/22/2014

4. Surface Hole Location:
Unit:H Lot:H Section:1 Township:22N Range:06W
Feet from:2323 N/S Line:N
Feet from:497 E/W Line:E

5. Bottom Hole Location:
Unit:E Lot:H Section:1 Township:22N Range:06W
Feet from:2068 N/S Line:N
Feet from:334 E/W Line:W

6. latitude: 36.1676495763427 longitude: -107.412966154458

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: 3/17/2014 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
42289

14. Gross Fractured Interval:
6,208 ft to 9,575 ft

15. True Vertical Depth (TVD):
5,373 ft

16. Total Volume of Fluid Pumped:
993,103 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%	50.17008%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.00879%
			Water	7732-18-5	85%	0.04979%
Alpha 452	Baker Hughes	Biocide	Tetrakis (hydroxymethyl) Phosphonium Sulfate	55566-30-8	60%	0.00142%
Alpha 452, 330 gl tote	Baker Hughes	Biocide	Tetrakis (hydroxymethyl) Phosphonium Sulfate	55566-30-8	60%	0.01445%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00047%
Enzyme G-III	Baker Hughes	Breaker	Contains non-hazardous ingredients 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%	0.04171%
			Water	7732-18-5	30%	0.01668%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	3E-05%
			Methanol	67-56-1	60%	5E-05%
			Olefin	Trade Secret	5%	0%
			Polyoxyalkylenes	Trade Secret	30%	3E-05%
			Propargyl Alcohol	107-19-7	10%	1E-05%
			Thiourea Polymer	68527-49-1	30%	3E-05%
BioSealers MR	Baker Hughes	Degradable Sealers	Non-Hazardous Ingredient	NA	100%	0.00364%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Alkyl Sulfate (1 of 2)	Trade Secret	5%	0.00952%
			Alkyl Sulfate (2 of 2)	Trade Secret	5%	0.00952%
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.01904%
			Isopropanol	67-63-0	30%	0.05713%
			Sodium Sulfonate	68439-57-6	30%	0.05713%
GW-3LDF	Baker Hughes	Gelling Agent	1-butoxy-2-propanol	5131-66-8	5%	0.0127%
			Crystalline Silica: Quartz	14808-60-7	5%	0.0127%
			Guar Gum	9000-30-0	60%	0.15245%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.0127%
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.07623%
			Petroleum Distillates	64742-47-8	30%	0.07623%
Nitrogen	Baker Hughes	Nitrogen	Liquid Nitrogen	7727-37-9	100%	20.00045%
NE-900, tote	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.01505%
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10%	0.00502%
Parasorb 5005, 50 lb bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	100%	0.04847%
			Complex Ester	Trade Secret	30%	0.01454%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00048%
			Ethylene-Vinyl Acetate Copolymer	Trade Secret	5%	0.00242%
			Heavy Aromatic Naphtha	64742-94-5	10%	0.00485%
			Mineral Oil	8042-47-5	5%	0.00242%
			Naphthalene	91-20-3	1%	0.00048%
Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	26.71888%
Sand, Brown, 12/20	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	2.3453%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00309%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.0001%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.0103%
			Phosphonic Acid	13598-36-2	1%	0.0001%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01316%
			Oxyalkylated Alkylphenol (1)	Trade Secret	10%	0.00439%
			Oxyalkylated Alkylphenol (2)	Trade Secret	10%	0.00439%
			Oxyalkylated Amine	Trade Secret	3%	0.00132%
			Polyoxyalkylene	Trade Secret	10%	0.00439%
Ingredients shown above are subject to 29 CFR 1910			2-butoxy-1-propanol	15821-83-7	0%	0.00025%
			Alkyl Sulfate	Trade Secret	0%	0.0019%
			Copolymer	Trade Secret	0%	0.02007%
			Ethoxylated Alcohol	Trade Secret	0%	0.0019%
			Ethylene Glycol	107-21-1	0%	0.0019%
			Fatty Amide	70851-08-0	0%	0.0019%
			Derivative			
			Formaldehyde	50-00-0	0%	0.00192%
			Hemicellulase	9025-56-3	0%	2E-05%
			Enzyme Concentrate			
			Sodium Aryl Sulfonate	119345-04-9	0%	0.00026%
			Sodium Chloride	7647-14-5	0%	0.00192%
			Sodium Sulfate	7757-82-6	0%	0.00192%
			Water	7732-18-5	0%	0.18447%

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: 8/21/2014

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

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