

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:
30-045-35440

2. Well Name:
NAGEEZI UNIT D34 2409 #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☐ Original

☒ Amends disclosure submitted on 2/2/2015

4. Surface Hole Location:
Unit:D Lot:D Section:34 Township:24N Range:09W
Feet from:1109 N/S Line:N
Feet from:509 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot: Section:33 Township:24N Range:09W
Feet from:595 N/S Line:N
Feet from:349 E/W Line:W

6. latitude:
36.2748185917575 longitude:
-107.783612816469

7. County:
San Juan

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

9. OGRID:
282327

10. Phone Number:
720-376-3989

11. Last Fracture Date:
10/3/2014 Frac Performed by:
Baker Hughes

12. Production Type:
O

13. Pool Code(s):
98080

14. Gross Fractured Interval:
5,549 ft to 10,180 ft

15. True Vertical Depth (TVD):
10,284 ft

16. Total Volume of Fluid Pumped:
1,200,611 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%	67.7245661%
Alpha 1427	Baker Hughes	Biocide	Diethyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.0007465%
			Ethanol	64-17-5	5%	0.0003732%
			Glutaraldehyde	111-30-8	30%	0.0022394%
			Quaternary Ammonium Compound	68424-85-1	5%	0.0003732%
BF-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.0386077%
			Potassium Hydroxide	1310-58-3	30%	0.0193039%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.0584473%
Enzyme G-1	Baker Hughes	Breaker	Water	7732-18-5	30%	0.0233789%
			Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%
FAW-22	Baker Hughes	Foamer	Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.0021332%
			Isopropanol	67-63-0	30%	0.0063997%
			Sodium Sulfonate	68439-57-6	30%	0.0063997%
			Sulfuric acid, monodecyl ester, sodium salt (1:1)	Trade Secret	5%	0.0010666%
			Sulfuric acid, monooctyl ester, sodium salt (1:1)	Trade Secret	5%	0.0010666%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.0247522%
			Isopropanol	67-63-0	30%	0.0742566%
			Sodium Sulfonate	68439-57-6	30%	0.0742566%
			Sulfuric acid, monodecyl ester, sodium salt (1:1)	Trade Secret	5%	0.0123761%
			Sulfuric acid, monooctyl ester, sodium salt (1:1)	Trade Secret	5%	0.0123761%
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.0004736%
GW-3LDF	Baker Hughes	Gelling Agent	1-butox-2-propanol	5131-66-8	5%	0.016607%
			Crystalline Silica (Quartz)	14808-60-7	5%	0.016607%
			Guar Gum	9000-30-0	60%	0.1992843%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.016607%
			Mineral Oil	8042-47-5	70%	0.2324983%
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.0996421%
			Petroleum Distillates	64742-47-8	30%	0.0996421%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.0184071%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.0134969%
NE-900, drum	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.02056%
			Oxyalkylated Alkylphenol	9016-45-9	10%	0.0068533%
NE-900, tote	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.0002657%
			Oxyalkylated Alkylphenol	9016-45-9	10%	8.86E-05%
Sand, Brown, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	4.9321542%
Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	25.7543954%
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Trimethylene Phosphonic Acid	Trade Secret	28%	0.002652%
			Crystalline Silica (Quartz)	14808-60-7	1%	9.47E-05%
X-Cide 725, tote	Baker Hughes	Biocide	2-Methyl-2-nitropropane-1,3-diol	77-49-6	1%	0.0001868%
			Formaldehyde	50-00-0	1%	0.0001868%
			Nitromethane	75-52-5	1%	0.0001868%
			Tris(hydroxymethyl) nitromethane	126-11-4	30%	0.0056044%
			Water	7732-18-5	75%	0.014011%
XLW-4	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4	30%	0.0083475%
N/A		Other Chemicals	2-butoxy-1-propanol	Trade Secret	0%	0.0003321%
			Alcohols, ethoxylated	Trade Secret	0%	0.0061357%
			Amines, unsatd. alkyl, ethoxylated	Trade Secret	0%	0.0030678%
			Crystalline Cristobalite	Trade Secret	0%	9.47E-05%
			Diatomaceous Earth, Calcined	91053-39-3	0%	0.0070089%
			Ethoxylated Alcohol	Trade Secret	0%	0.0026885%
			Ethylene Glycol	107-21-1	0%	0.0026885%
			Fatty Amide Derivative	70851-08-0	0%	0.0026885%
			Formaldehyde	50-00-0	0%	0.0026885%
			Glycerin	Trade Secret	0%	0.016066%
			Hemicellulase	9025-56-3	0%	0.0010272%
			Enzyme Concentrate	Trade Secret	0%	0.000135%
			Hydrated Magnesium Silicate	Trade Secret	0%	9.47E-05%
			Phosphonic Acid	13598-36-2	0%	6.75E-05%
			Poly (Tetrafluoroethylene)	Trade Secret	0%	0.0277675%
			Polyamines	Trade Secret	0%	0.0092035%
			Polyethylene glycol nonylphenyl ether	Trade Secret	0%	0.0026885%
			Sodium Chloride	7647-14-5	0%	0.0026885%
			Sodium Sulfate	7757-82-6	0%	0.0026885%
			Sulfuric acid, monohexyl ester, sodium salt (1:1)	Trade Secret	0%	0.0026885%
			Vinylidene Chloride-Methyl Acrylate Polymer	Trade Secret	0%	0.0033742%
			Water	7732-18-5	0%	0.3121297%

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:
2/2/2015

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

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