

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:
30-015-42048

2. Well Name:
NASH UNIT #045H

3. Well Number:
045H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:1 Section:18 Township:23S Range:30E
Feet from:550 N/S Line:N
Feet from:1250 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:1 Section:18 Township:23S Range:30E
Feet from:550 N/S Line:N
Feet from:1250 E/W Line:W

6. latitude: 32.3108003134931 longitude: -103.925614423498

7. County:
Eddy

8. Operator Name and Address:
XTO ENERGY, INC
XTO Energy, Inc.
332 Road 3100
Aztec 87410

9. OGRID:
5380

10. Phone Number:
505-333-3143

11. Last Fracture Date: 10/17/2014 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
47545

14. Gross Fractured Interval:
7,427 ft to 17,116 ft

15. True Vertical Depth (TVD):
6,700 ft

16. Total Volume of Fluid Pumped:
3,053,568 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%	83.40954%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.03154%
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00273%
GBW-5	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00983%
Enzyme G-II	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%
Clay Master-5C (Tote)	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	Trade Secret	60%	0.00023%
Ferrotrol 280L , 330 gl tote	Baker Hughes	Clay Control	2-Mercaptoethanol	60-24-2	100%	0.00238%
			Ammonium Hydroxide	1336-21-6	5%	0.00012%
			Cupric Chloride	7447-39-4	5%	0.00012%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.04054%
			Water	7732-18-5	30%	0.01622%
CI-39	Baker Hughes	Corrosion Inhibitor	Aldehyde	Trade Secret	30%	0.00061%
			Formic Acid	64-18-6	30%	0.00061%
			Isopropanol	67-63-0	5%	0.0001%
			Quaternary Ammonium Compound	Trade Secret	5%	0.0001%
			Sulfurized polyolefin	68037-13-8	5%	0.0001%
			Tar Bases, Quinoline Derivs , Benzyl Chloride-Quaternized	72480-70-7	30%	0.00061%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	25%	0.02589%
			Sodium Hydroxide	1310-73-2	9%	0.00932%
			Sodium Tetraborate	1330-43-4	12%	0.01243%
FRW-18	Baker Hughes	Friction Reducer	Hydrotreated Light Distillate	64742-47-8	30%	0.00285%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.21586%
			Hydrotreated Light Distillate	64742-47-8	30%	0.10793%
			Mineral Oil	8042-47-5	70%	0.25184%
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.10793%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Propylene Glycol	57-55-6	15%	8E-06%
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	7.36486%
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	3.11144%
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Crystalline Silica, Quartz (SiO2)	14808-60-7	98%	3.68106%
			Iron Oxide (colorant)	1309-37-1	1%	0.03756%
			Polyurethane Resin (Castor Oil)	8001-79-4	5%	0.18781%
Preferred Garnet RC 16/30	Baker Hughes	Proppant	Crystalline Silica, Quartz (SiO2)	14808-60-7	98%	0.92073%
			Iron Oxide (colorant)	1309-37-1	1%	0.0094%
			Polyurethane Resin (Castor Oil)	8001-79-4	5%	0.04698%
InFlo 72	Baker Hughes	Surface Tension Reducer	Isopropanol	67-63-0	30%	0.0263%
			Orange Terpene	68647-72-3	5%	0.00438%
Ingredients shown above are subject to 29 CFR 1910			Alcohols, C12-16, ethoxylated	Trade Secret	0%	0.00019%
			Ammonium Chloride	12125-02-9	0%	0.000285%
			Benzenesulfonic acid, hexadecyl (sulfophenoxy)-, disodium salt	Trade Secret	0%	1E-05%
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	0.0009325%
			Methanol	67-56-1	0%	2.28E-05%
			Nonionic Alkoxylate	Trade Secret	0%	0.0087681%
			Nonionic glycol ester	Trade Secret	0%	0.0001256%
			Oleamide DEA	93-83-4	0%	0.00019%
			Organic Polyol	Trade Secret	0%	0.0131522%
			Oxyalkylated Fatty Acid	61791-002	0%	0.0008078%
			Poly (acrylamide-co-acrylic acid) partial sodium salt	Trade Secret	0%	0.0028497%
			Polyalkylene	7756-94-7	0%	2.02E-05%
			Polyethers	Trade Secret	0%	0.0263044%
			Polyoxyethylene	9005-65-6	0%	4.75E-05%
			Sorbitan Monooleate			
			Potassium Acetate	127-08-2	0%	1.01E-05%
			Potassium Iodide	Trade Secret	0%	4.04E-05%
			Sodium Chloride	7647-14-5	0%	8.9E-06%
				Trade Secret		0.000475%
			Sodium laurimodipropionate	Trade Secret	0%	5E-06%
			Sodium octylmodipropionate	Trade Secret	0%	1.51E-05%
			Sorbitan Monooleate	Trade Secret	0%	4.75E-05%
			Surfactant	Trade Secret	0%	0.0030688%
			Water	7732-18-5	0%	0.3022221%

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: Patty Urias

Date: 1/29/2015

E-mail Address: Patty.Urias@xtoenergy.com

Title: Production Analyst

NMOCOD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCOD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.