

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:
30-025-42168

2. Well Name:
MOOSES TOOTH 29 26 33 FEDERAL COM
#001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:29 Township:26S Range:33E
Feet from:200 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:29 Township:26S Range:33E
Feet from:200 N/S Line:N
Feet from:330 E/W Line:W

6. latitude:
32.021231521967 longitude:
-103.601729205238

7. County:
Lea

8. Operator Name and Address:
CHEVRON U S A INC
Attn: Sandy Stedman-Daniel
1400 Smith
Houston 77002

9. OGRID:
4323

10. Phone Number:
713-372-2978

11. Last Fracture Date:
1/22/2015 Frac Performed by:
Halliburton

12. Production Type:
O

13. Pool Code(s):
98090

14. Gross Fractured Interval:
10,405 ft to 16,501 ft

15. True Vertical Depth (TVD):
16,501 ft

16. Total Volume of Fluid Pumped:
6,397,564 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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	87.50781%
HCl > 10%	Halliburton				100%	1.52082%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.67628%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	8.08618%
CRC SAND PREMIUM	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.20349%
			Hexamethylenetetramine	100-97-0	2%	0.00407%
			Phenol / formaldehyde resin	9003-35-4	5%	0.01017%
SAND- CRC GARNET PREMIUM- 30/50	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.62639%
			Polyurethane resin	NA	5%	0.08132%
			Colorant	NA	1%	0.01626%
LOSURF-360W	Halliburton	Surfactant	Complex alkylamine	Confidential	5%	0.00375%
			Glycerine	56-81-5	10%	0.00751%
			Poly(oxy-1,2-ethanediy), alpha -isodecyl- omega -hydroxy-	61827-42-7	30%	0.02252%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00937%
Cia-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.01449%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0045%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00055%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00016%
			Potassium metaborate	13709-94-9	60%	0.00191%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.00169%
SandWedge(R) NT	Halliburton	Conductivity Enhancer	Dipropylene glycol monomethyl ether	34590-94-8	60%	0.00675%
			Heavy aromatic petroleum naphtha	64742-94-5	10%	0.00112%
OptiKleen-WF(TM)	Halliburton	Concentrate	Sodium perborate tetrahydrate	10496-00-7	100%	0.00276%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	5E-05%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00064%
			Crystalline silica, quartz	14808-60-7	30%	0.00019%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-90-0	100%	0.17943%
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00164%
Ingredients Listed Below This Line Are Part of the			Acrylate polymer	Confidential	0%	0%
			Alcohols ethoxylated	Confidential	0%	0%
			Alkane	Confidential	0%	0%
			Amide	Confidential	0%	0%
			Amine salts	Confidential	0%	0%
			Amine salts	Confidential	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	Confidential	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Methanol	67-56-1	0%	0%
			Naphthalene	91-20-3	0%	0%
			Nitrotriactic acid, trisodium salt monohydrate	5064-31-3	0%	0%
			Polyacrylamide copolymer	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary ammonium compound	Confidential	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Sodium sulfate	7757-32-6	0%	0%
			Sorbitan monooleate	9005-65-6	0%	0%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Water	7732-18-5	0%	0%

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:
Cindy Herrera-Murillo

Title:
Permitting Specialist

Date:
4/1/2015

E-mail Address:
eeof@chevron.com

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