

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:
30-015-40010

2. Well Name:
TEX MACK 11 FEDERAL #057

3. Well Number:
057

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:11 Township:17S Range:31E
Feet from:2125 N/S Line:N
Feet from:941 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:11 Township:17S Range:31E
Feet from:2125 N/S Line:N
Feet from:941 E/W Line:W

6. latitude: 32.850514698588 longitude: -103.845917414249

7. County: Eddy

8. Operator Name and Address:
CHEVRON U S A INC
Attn: Sandy Stedman-Daniel
P.O. Box 2100
Houston 77252

9. OGRID: 4323

10. Phone Number: 505-333-1941

11. Last Fracture Date: 5/14/2012 Frac Performed by: Baker Hughes

12. Production Type: O

13. Pool Code(s): 26770

14. Gross Fractured Interval: 5,240 ft to 6,480 ft

15. True Vertical Depth (TVD): 6,480 ft

16. Total Volume of Fluid Pumped: 507,402 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%	83.28331%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.39966%
			Water	7732-18-5	85%	2.26471%
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.02282%
			Methanol	67-56-1	50%	0.0163%
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00017%
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00033%
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3E-05%
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00198%
			Magnesium Chloride	7786-30-3	5%	0.00017%
			Magnesium Nitrate	10377-60-3	10%	0.00033%
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00492%
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00111%
			Water	7732-18-5	97%	0.03582%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00066%
			Methanol	67-56-1	60%	0.00132%
			Olefin	Trade Secret	5%	0.00011%
			Polyoxyalkylenes	Trade Secret	30%	0.00066%
			Propargyl Alcohol	107-19-7	10%	0.00022%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.03057%
			Sodium Hydroxide	1310-73-2	10%	0.01019%
			Sodium Tetraborate	1330-43-4	30%	0.03057%
BioSealers MR	Baker Hughes	Degradable Sealers	Non-Hazardous Ingredient	Trade Secret	100%	0.00224%
FRW-14 (Small Tote)	Baker Hughes	Friction Reducer	No Hazardous Ingredients	N.A.	100%	0.00372%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	40%	0.15039%
			Petroleum Distillates Blend	Trade Secret	70%	0.26318%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01518%
			Ammonium Hydroxide	1336-21-6	5%	0.00076%
			Cupric Chloride	7447-39-4	5%	0.00076%
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00473%
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	11.04022%
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	2.0745%
Scaletrol 721, tote	Baker Hughes	Scale Inhibitor	Diethylene Glycol	111-46-6	1%	0.00035%
			Ethylene Glycol	107-21-1	15%	0.00526%
			Synthetic Polymer	Trade Secret	15%	0.00526%
ES-4A, Greenskeeper Solvent	Baker Hughes	Solvent	Petroleum Distillates Blend	Trade Secret	100%	0.02152%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02068%
			Mixture of Surfactants	Trade Secret	50%	0.03447%
			Water	7732-18-5	30%	0.02068%
Ingredients shown above are subject to 29 CFR 1910			Alcohols, C12-14, Ethoxylated Propoxylated	68439-51-0	0%	0.0187983%
			Aliphatic Hydrocarbon	Trade Secret	0%	0.0008669%
			Alkoxyated Amine	Trade Secret	0%	0.0094592%
			Alkyene Oxide Block Polymer	Trade Secret	0%	0.0107835%
			Antifoam	Trade Secret	0%	1.89E-05%
			Crystalline Silica, Quartz	14808-60-7	0%	0.0187983%
			Formaldehyde	50-00-0	0%	1.1E-05%
			Isotridecanol, Ethoxylated (TDA-6)	9043-30-5	0%	0.0187983%
			Isotridecanol, Ethoxylated (TDA-9)	9043-30-5	0%	0.0187983%
			Maleic Anhydride Terpolymer	113221-69-5	0%	0%
			Modified Thiourea Polymer	68527-49-1	0%	0.0002413%
			Organic Sulfonic Acid	27176-87-0	0%	0.0001892%
			Oxyalkylated Alcohol	Trade Secret	0%	6.7E-05%
			Polyacrylate	111560-38-4	0%	0%
			Polyglycol	25322-68-3	0%	0.0017972%
			Polyglycol Ester	Trade Secret	0%	2.98E-05%
			Polyol Ester	Trade Secret	0%	4.09E-05%
			Polyquaternary Amine	Trade Secret	0%	0.0011351%
			Quaternary Ammonium Compounds bis [Hydrogenated Tallow Alkyl] Dimethyl Salts With Bentonite	68953-58-2	0%	0.0187983%
			Sodium Carboxylate	18016-19-8	0%	0%
			Sodium Chloride	7647-14-5	0%	0.0001598%
			Vinyl Copolymer	Trade Secret	0%	0.0010269%
			Water	7732-18-5	0%	0.1102908%

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: 11/25/2013

E-mail Address: eeof@chevron.com

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