

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.
30-025-42353

2. Well Name:
RANGER STATE 33 20 35 RN #122H

3. Well Number:
122H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:33 Township:20S Range:35E
Feet from:302 N/S Line:N
Feet from:1210 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:33 Township:20S Range:35E
Feet from:302 N/S Line:N
Feet from:1210 E/W Line:W

6. latitude: 32.5359263 longitude: -103.4664723

7. County:
Lea

8. Operator Name and Address:
MATADOR PRODUCTION COMPANY
One Lincoln Centre
5400 LBJ Freeway, Ste 1500
Dallas 75240

9. OGRID:
228937

10. Phone Number:
972-371-5218

11. Last Fracture Date: 4/12/2015 Frac Performed by: FTS INTERNATIONAL

12. Production Type:
O

13. Pool Code(s):
20434

14. Gross Fractured Interval:
11,296 ft to 15,331 ft

15. True Vertical Depth (TVD):
10,788 ft

16. Total Volume of Fluid Pumped:
34,868,844 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%	83.8057965%
Hydrochloric Acid (HCl)	FTSI	Acid gelling agent	C12-C14 Isoalkanes	68551-19-9	60%	0.1602898%
			C13-C16 Isoalkanes	68551-20-2	60%	0.1602898%
			Proprietary		0%	0%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.0004868%
			Dimethylformamide	68-12-2	10%	0.0001623%
			Organic amine resin salt	Proprietary	30%	0.0004868%
			Quaternary ammonium compound	Proprietary	10%	0.0001623%
			Aromatic aldehyde	Proprietary	10%	0.0001623%
			Ethylene Glycol	107-21-1	30%	0.0004868%
			Water	7732-18-5	5%	8.11E-05%
			Fatty Acid	Proprietary	0%	1.6E-06%
			Fatty Acid Salt	Proprietary	0%	1.6E-06%
			Aliphatic alcohol	Proprietary	0%	1.6E-06%
			Alkyene Oxide Block Polymer	Proprietary	10%	0.0001623%
BXL-2	FTSI	Borate crosslinker	Diethylene glycol	111-46-6	1%	1.62E-05%
			Sodium metaborate	10555-76-7	25%	0.0094608%
			Boric acid	10043-35-3	15%	0.0056765%
			Potassium hydroxide	1310-58-3	12%	0.0045412%
BXL-3	FTSI	Crosslinker	Water	7732-18-5	75%	0.0283525%
			Crystalline Silica, Quartz	14808-60-7	0%	5.85E-05%
			Borate Salt	1319-33-1	40%	0.0234045%
			Potassium Formate	590-29-4	30%	0.0175534%
			Hydrated aluminium-magnesium silicate (polygelsite)	12174-11-7	5%	0.0029256%
			Sodium Sulfate	7757-82-6	0%	5.85E-05%
			Sodium Chloride	7647-14-5	0%	5.85E-05%
			Water	7732-18-5	60%	0.0351068%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	64-02-8	41%	5.09E-05%
			Sodium Hydroxide	131073-2	2%	2.5E-06%
			Trisodium Nitrotriacetic acid	5064-31-3	2%	2.5E-06%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0%	1E-06%
			Water	7732-18-5	60%	7.45E-05%
			Sodium formate	141-53-7	0%	7E-07%
			Sodium glycolate	2836-32-0	1%	1.9E-06%
			Imidodiacetate disodium salt	17593-73-6	0%	2E-07%
FRW-200	FTSI	Friction reducer	Petroleum distillate hydrotreated light	64742-47-8	25%	0.0059063%
			Acrylamide P/W acrylic acid, ammonium salt	26100-47-0	25%	0.0056791%
			Water	7732-18-5	48%	0.0109398%
			Sorbitan Monooleate	1338-43-9	3%	0.0006315%
			Alcohols (C12-C14), ethoxylated	68439-50-9	4%	0.0009087%
			Alcohols (C12-C16), ethoxylated	68551-12-2	4%	0.0009087%
			Alcohols (C10-C16), ethoxylated	68002-97-1	4%	0.0009087%
			Acrylamide	79-06-1	0%	2.27E-05%
			Dewaxed heavy paraffinic	64742-65-0	1.5%	0.0003407%
			Ammonium Acrylate	10604-69-0	0.5%	0.0001136%
			Ammonium Chloride	12125-02-9	12%	0.002726%
			Polyethylene glycol monooleate	9004-66-0	3%	0.0006815%
			Alkylxypropyleneoxyethanol	84133-50-6	7%	0.0002272%
			Sorbitol Tetraoleate	61723-83-9	2%	0.0004543%
			Copolymer of acrylamide and sodium acrylate	25987-30-8	33%	0.0074964%
			Surfactant	Proprietary	7%	0.0015902%
			Hydrotreated heavy paraffinic	64742-54-7	5%	0.0011358%
ICI-3240	FTSI	Biocide	Isopropanol	67-63-0	0%	6.81E-05%
			Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4	24%	0.0089694%
			Sodium Hydroxide	1310-73-2	23%	0.0085967%
			Water	7732-18-5	55%	0.0205548%
			Methanol	67-56-1	15%	0.0001409%
NE-100W	FTSI	Non-emulsifier	2-Butoxyethanol	111-76-2	10%	9.4E-05%
			2-Propanol	67-63-0	10%	9.4E-05%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	4.7E-05%
			Water	7732-18-5	80%	0.0007516%
			Sulfuric Acid	7664-93-9	0.01%	1E-07%
			Sulfur Dioxide	7446-09-5	0%	0%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	4E-07%
			Unsulphonated Matter	Proprietary	0.03%	3E-07%
B-10	FTSI	High pH buffer	Potassium carbonate	584-08-7	48%	0.0217575%
			Potassium hydroxide	1310-58-3	20%	0.0090566%
			Water	7732-18-5	55%	0.0249306%
HTB-1	FTSI	Breaker	Ammonium Persulfate	7727-34-0	60%	0.0028551%
			Cured acrylic resin	Proprietary	25%	0.0011063%
			Silica, Crystalline-Quartz	14808-60-7	16%	0.000708%
			Proprietary	Proprietary	0%	0%
HVG-1	FTSI	Water Gelling Agent	Guar Gum	9000-30-0	55%	0.1570718%
			Petroleum Distillate	64742-47-8	55%	0.1570718%
			Raffinates (Petroleum), Sorption Process	64741-85-1	50%	0.1427925%
			Clay	14808-60-7	2%	0.0057117%
			Clay	1302-78-9	5%	0.0142793%
			Surfactant	24939-91-8	1%	0.0028559%
			Surfactant	154518-36-2	1%	0.0028559%
			Surfactant	9043-30-5	1%	0.0028559%
			Surfactant	Proprietary	2%	0.0057117%
SHALE SURF 1000	FTSI	Surfactant	Ethoxylated alcohol	Proprietary	20%	0.01355%
			2-Butoxyethanol	111-76-2	10%	0.006775%
			2-Propanol	67-63-0	10%	0.006775%
			Cyclohexene	5999-27-5	10%	0.006775%
			Methanol	67-56-1	10%	0.006775%
			Water	7732-18-5	85%	0.0575974%
			Poly-(oxy-1,2-ethanediyl)-alpha-undecyl-omega	34398-01-1	11%	0.0074525%
APB-1	FTSI	Gel breaker	Ammonium Persulfate	7727-54-0	100%	0.0019014%
100 Mesh Sand	FTSI	proppant	Silica, Quartz	14808-60-7	100%	1.4235631%
30/50 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	13.8501867%

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: Ava Monroe Title: Engineering Tech

Date: 6/14/2015

E-mail Address: amonroe@matadorresources.com

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