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. 30-015-43966
2. Well Name: GUITAR 10 24 28 RB #221H
3. Well Number: 221H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:11 Township:24S Range:28E
Feet from:934 N/S Line:N
Feet from:224 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot: Section:10 Township:24S Range:28E
Feet from:320 N/S Line:N
Feet from:239 E/W Line:W

6. latitude: 32.2371221 longitude: -104.0657114

7. County: Eddy

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: 3/28/2017 Frac Performed by: Halliburton

12. Production Type: G

13. Pool Code(s): 98220

14. Gross Fractured Interval: 10,939 ft to 15,239 ft

15. True Vertical Depth (TVD): 15,412 ft

16. Total Volume of Fluid Pumped: 7,636,752 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	Water	7732-18-5	100%	83.9481%
CL-28M CROSSLINKER	Halliburton	Crosslinker	Listed Below	Listed Below	0%	0%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Listed Below	Listed Below	0%	0%
CLAYFIX 3	Halliburton	Additive	Listed Below	Listed Below	0%	0%
FDP-S1176-15	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%
FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%
FE Acid > 10%	Halliburton		Listed Below	Listed Below	0%	0%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%
LP-65 MC	Halliburton		Listed Below	Listed Below	0%	0%
MC B-8614	Halliburton	Biocide	Listed Below	Listed Below	0%	0%
MO-67	Halliburton	pH Control Additive	Listed Below	Listed Below	0%	0%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
SAND-PREMIUM WHITE-30/50, BULK	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	9-Octadecenamide, n,n-bis-2(hydroxy-ethyl)-,(Z)	93-83-4	5%	0.00143%
			Alcohols, C12-13, ethoxylated	66455-14-9	30%	0.01264%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00211%
			Ammonium chloride	12125-02-9	5%	0.00143%
			Ammonium persulfate	7727-54-0	100%	0.00297%
			Borate salts	Proprietary	60%	0.03625%
			Calcium chloride	10043-52-4	1%	0.00072%
			Castor oil, ethoxylated	61791-12-6	5%	0.00143%
			Crystalline silica, quartz	14808-60-7	100%	15.09929%
			Cured acrylic resin	Proprietary	30%	0.00089%
			Ethanol	64-17-5	1%	0.00026%
			Ethoxylated alcohols	Proprietary	30%	0.00012%
			Ethylene oxide	75-21-8	0.01%	0%
			Fatty acids, tall oil	Proprietary	30%	0.00012%
			Glutaraldehyde	111-30-8	30%	0.00775%
			Guar gum	9000-30-0	100%	0.14634%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00855%
			Inorganic mineral	Proprietary	5%	0.00302%
			Inorganic salt	Proprietary	5%	0.00359%
			Magnesium chloride hexahydrate	7791-18-6	5%	0.00359%
			Methanol	67-56-1	60%	0.00027%
			NFIDB:FE Acid > 10%	CAS Not Assigned	100%	0.54416%
			NFIDB:LP-65 MC	CAS Not Assigned	100%	0%
			Olefins	Proprietary	5%	5E-05%
			Phosphoric acid	7664-38-2	0.1%	3E-05%
			Polyacrylate	Proprietary	30%	0.00855%
			Polymer	Proprietary	1%	0.0006%
			Potassium hydroxide	1310-58-3	5%	0.00016%
			Potassium metaborate	13709-94-9	60%	0.0019%
			Propargyl alcohol	107-19-7	10%	4E-05%
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5%	0.00129%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00012%
			Sobitan, mono-9-octadecenoate, (Z)	1338-43-8	5%	0.00143%
			Sodium chloride	7647-14-5	30%	0.02325%
			Sodium hydroxide	1310-73-2	30%	0.00927%
			Water	7732-18-5	100%	0.22144%

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: 7/18/2017

E-mail Address: amonroe@matadorresources.com

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