

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:
30-025-43396

2. Well Name:
OPHELIA 27 #709H

3. Well Number:
709H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:H Lot:H Section:27 Township:26S Range:33E
Feet from:1786 N/S Line:N
Feet from:450 E/W Line:E

5. Bottom Hole Location:
Unit:H Lot:H Section:27 Township:26S Range:33E
Feet from:1786 N/S Line:N
Feet from:450 E/W Line:E

6. latitude: 32.01678471 longitude: -103.5530881

7. County: Lea

8. Operator Name and Address:
EOG RESOURCES INC
P.O. Box 2267
Midland 79702

9. OGRID: 7377

10. Phone Number: 432-686-3689

11. Last Fracture Date: 11/24/2016 Frac Performed by: FTS International

12. Production Type:
O

13. Pool Code(s):
98097

14. Gross Fractured Interval:
12,938 ft to 17,398 ft

15. True Vertical Depth (TVD):
12,938 ft

16. Total Volume of Fluid Pumped:
10,219,658 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	EOG	Carrier/Base Fluid	Water	7732-18-5	100%	88.64483%
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	11.02237%
Hydrochloric Acid	EOG	Acid	Hydrochloric Acid	7647-01-0	10%	0.0193%
CS-250 SI	FTSI	Scale Inhibitor	Water	7732-18-5	100%	0.19301%
			Ethylene glycol	107-21-1	13%	0.00311%
			Water	7732-18-5	81%	0.0194%
			Sodium chloride	7647-14-5	10%	0.00239%
ICI-3240	FTSI	Biocide	Sodium Polyacrylate	9003-04-7	10%	0.00239%
			Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4	24%	0.00614%
			Sodium Hydroxide	1310-73-2	23%	0.00589%
			Water	7732-18-5	55%	0.01407%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	60%	0.00049%
			Dimethylformamide	68-12-2	10%	8E-05%
			Organic amine resin salt	Proprietary	30%	0.00025%
			Quaternary ammonium compound	Proprietary	10%	8E-05%
			Aromatic aldehyde	Proprietary	30%	0.00025%
			Ethylene Glycol	107-21-1	30%	0.00025%
			Methanol	67-56-1	60%	0.00049%
			Aromatic Ketone compound	Proprietary	30%	0.00025%
			Aromatic Aldehyde	Proprietary	10%	8E-05%
			Ethoxylated Alcohols	Proprietary	10%	8E-05%
			Oxyalkylated Alcohol	Proprietary	5%	4E-05%
			Acetic Acid	64-19-7	5%	4E-05%
			Acetophenone	98-86-2	5%	4E-05%
			Oxyalkylated Fatty Amine	Proprietary	5%	4E-05%
			Formaldehyde	50-00-0	5%	4E-05%
			Fatty amino compound salt	Proprietary	30%	0.00025%
			Ethoxylated fatty alcohol	Proprietary	30%	0.00025%
			Water	7732-18-5	30%	0.00025%
			Fatty Acid	Proprietary	0.1%	0%
			Fatty Acid Salt	Proprietary	0.1%	0%
			Aliphatic alcohol	Proprietary	0.1%	0%
			Alkyene Oxide Block Polymer	Proprietary	10%	8E-05%
			Polyalkylene glycol	Proprietary	10%	8E-05%
			Diethylene glycol	111-46-6	1%	1E-05%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	64-02-8	41%	0.00044%
			Sodium Hydroxide	1310-73-2	2%	2E-05%
			Trisodium Nitriotriacetic acid	5064-31-3	2%	2E-05%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.8%	1E-05%
			Water	7732-18-5	65%	0.0007%
			Sodium formate	141-53-7	0.6%	1E-05%
			Sodium glycolate	2836-32-0	1.5%	2E-05%
FRW-600	FTSI	Friction Reducer	Iminodiacetate disodium salt	17593-73-6	0.2%	0%
			Hydrotreated light distillate	64742-47-8	30%	0.0265%
			Ammonium Acetate	631-61-8	10%	0.00883%
			Acrylamide Polymer	Trade Secret	30%	0.0265%
			Alcohols, ethoxylated	68439-50-9	5%	0.00442%
			Alcohols, ethoxylated	68551-12-2	5%	0.00442%
			Alcohols, ethoxylated	68002-97-1	5%	0.00442%
			Water	7732-18-5	40%	0.03534%

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: Kiera Staples

Environmental Associate

Date: 12/23/2016

E-mail Address: kiera_staples@eogresources.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.