

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 APT NO:
30-015-42386

2. Well Name:
MERLYN 27 22 FEDERAL #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:34 Township:21S Range:31E
Feet from:990 Feet from:680 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:34 Township:21S Range:31E
Feet from:990 Feet from:680 E/W Line:W

6. latitude:
32.43961083264 longitude:
-103.772047609302

7. County:
Eddy

8. Operator Name and Address:
DEVON ENERGY PRODUCTION COMPANY, LP
333 W. Sheridan Avenue
Oklahoma City 73102

9. OGRID:
6137

10. Phone Number:
405-228-8588

11. Last Fracture Date:
4/21/2015 Frac Performed by: FTSI

12. Production Type:
O

13. Pool Code(s):
40299

14. Gross Fractured Interval:
8,855 ft to 18,080 ft

15. True Vertical Depth (TVD):
7,967 ft

16. Total Volume of Fluid Pumped:
6,686,400 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%	89.21548%
40/70 White	FTSI	Proppant	Silica, Quartz	14808-60-7	100%	5.3059656%
100 Mesh Sand	FTSI	Proppant	Silica, Quartz	14808-60-7	100%	3.7318%
Hydrochloric Acid (HCl)	FTSI	Acid	Water	7732-18-5	63%	0.9269862%
			Hydrogen Chloride	7647-01-0	37%	0.5444205%
NE-100	FTSI	Non-emulsifier	Water	7732-18-5	90%	0.0544002%
			Water	7732-18-5	75%	0.0453335%
			Boric acid	10043-35-3	15%	0.0090687%
			Potassium hydroxide	1310-58-3	12%	0.0072534%
			2-Butoxyethanol	111-76-2	10%	0.0060445%
			2-Propanol	67-63-0	10%	0.0060445%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0030222%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	2.54E-05%
			Unsulphonated Matter	Proprietary	0.03%	1.69E-05%
			Sulfuric Acid	7664-93-9	0.01%	8.5E-06%
			Sulfur Dioxide	2025884	0%	8E-07%
FRW-200	FTSI	Friction reducer	Water	7732-18-5	48%	0.0248037%
			Copolymer of acrylamide and sodium acrylate	25987-30-8	33%	0.0170525%
			Petroleum distillate hydrotreated light	64742-47-8	26%	0.0134353%
			Acrylamide P/W acrylic acid, ammonium salt	26100-47-0	25%	0.0129186%
			Ammonium Chloride	12125-02-9	12%	0.0062009%
			Surfactant	Proprietary	7%	0.0036172%
			Hydrotreated heavy paraffinic	64742-54-7	5%	0.0025837%
			Alcohols (C12-C16), ethoxylated	68551-12-2	4%	0.002067%
			Alcohols (C10-C16), ethoxylated	68002-97-1	4%	0.002067%
			Alcohols (C12-C14), ethoxylated	68439-50-9	4%	0.002067%
			Sorbitan Monoleate	1338-43-8	3%	0.0015502%
			Polyethylene glycol monooleate	9004-96-0	3%	0.0015502%
			Sorbitol Tetraoleate	61723-83-9	2%	0.0010335%
			Dewaxed heavy paraffinic	64742-65-0	1.5%	0.0007751%
			Alkylloxypolyethyleneoxyethanol	84133-50-6	1%	0.0005167%
			Ammonium Acrylate	10604-69-0	0.5%	0.0002584%
			Isopropanol	67-63-0	0.3%	0.000155%
			Acrylamide	79-06-1	0.1%	5.17E-05%
CS Polybreak 210W	FTSI	Polymer breaker	Water	7732-18-5	80%	0.0690988%
			Sodium chloride	7647-14-5	15%	0.012956%
			Sodium chloride	7758-19-2	5%	0.0043187%
			Sodium Hydroxide	1310-73-2	0%	6E-07%
NE-100W	FTSI	Non-emulsifier	Water	7732-18-5	80%	0.0173796%
			Methanol	67-56-1	15%	0.0032567%
			2-Propanol	67-63-0	10%	0.0021725%
			2-Butoxyethanol	111-76-2	10%	0.0021725%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0010862%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	9.1E-06%
			Unsulphonated Matter	Proprietary	0.03%	6.1E-06%
			Sulfuric Acid	7664-93-9	0.01%	3E-06%
			Sulfur Dioxide	2025884	0%	3E-07%
HVG-1	FTSI	Water Gelling Agent	Petroleum Distillate	64742-47-8	55%	0.0013014%
			Guar Gum	9000-30-0	55%	0.0013014%
			Raffinates (Petroleum), Sorption (Petroleum)	64741-85-1	50%	0.0011831%
			Clay	1302-79-9	5%	0.0001183%
			Surfactant	Proprietary	2%	4.73E-05%
			Clay	14808-60-7	2%	4.73E-05%
			Surfactant	24938-91-8	1%	2.37E-05%
			Surfactant	154518-36-2	1%	2.37E-05%
			Surfactant	9043-30-5	1%	2.37E-05%
FE-200L	FTSI	Iron Control	Water	7732-18-5	60%	0.0020565%
			Tetrasodium EDTA	64-02-8	41%	0.0014053%
			Sodium Hydroxide	1310-73-2	2%	6.85E-05%
			Trisodium Nitriiotriacetic acid	5064-31-3	2%	6.85E-05%
			Sodium glycolate	2836-32-0	1.5%	5.14E-05%
			Ethylenediaminetriaceticacid, trisodium salt	19019-43-3	0.8%	2.74E-05%
			Sodium formate	141-53-7	0.8%	2.06E-05%
			Iminodiacetate disodium salt	17593-73-6	0.2%	6.9E-06%
CI-150	FTSI	Acid Corrosion Inhibitor	Organic amine resin salt	Proprietary	30%	0.0007793%
			Ethylene Glycol	107-21-1	30%	0.0007793%
			Isopropanol	67-63-0	30%	0.0007793%
			Alkylene Oxide Block Polymer	Proprietary	10%	0.0002598%
			Dimethylformamide	68-12-2	10%	0.0002598%
			Quaternary ammonium compound	Proprietary	10%	0.0002598%
			Aromatic aldehyde	Proprietary	10%	0.0002598%
			Water	7732-18-5	5%	0.0001299%
			Diethylene glycol	111-46-6	1%	2.6E-05%
			Fatty Acid	Proprietary	0.1%	2.6E-06%
			Fatty Acid Salt	Proprietary	0.1%	2.6E-06%
			Aliphatic alcohol	Proprietary	0.1%	2.6E-06%
APB-1	FTSI	Gel breaker	Ammonium Persulfate	7727-54-0	100%	0.0001088%

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:
Date:
E-mail Address:

Signed Electronically
4/23/2015
sara.cook@dvn.com

Printed Name: Sara Cook

Title: Regulatory Associate

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