

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:
30-025-41147

2. Well Name:
THISTLE UNIT #030H

3. Well Number:
030H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:28 Township:23S Range:33E
Feet from:280 N/S Line:N
Feet from:380 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:28 Township:23S Range:33E
Feet from:280 N/S Line:N
Feet from:380 E/W Line:W

6. latitude: longitude:
32.2821999 -103.5845642

7. County:
Lea

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: 2/8/2016 Frac Performed by: FTS International Services

12. Production Type:
O

13. Pool Code(s):
96193

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
9,684 ft

16. Total Volume of Fluid Pumped:
52,958,315 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%	87.0072665%
CI-150	FTSI	Acid Corrosion Inhibitor	Dimethylformamide	67-63-0	30%	4.65E-05%
			Organic amine resin salt	Proprietary	10%	1.55E-05%
			Quaternary ammonium compound	Proprietary	30%	4.65E-05%
					10%	1.55E-05%
			Aromatic aldehyde	Proprietary		1.55E-05%
			Ethylene Glycol	107-21-1	10%	4.65E-05%
			Water	7732-18-5	30%	7.7E-06%
			Fatty Acid	Proprietary	5%	
			Fatty Acid Salt	Proprietary	0.1%	2E-07%
			Aliphatic alcohol	Proprietary	0.1%	2E-07%
			Alkylene Oxide Block Polymer	Proprietary	0.1%	2E-07%
					10%	1.55E-05%
			Diethylene glycol	111-46-6		
			Sodium chloride	7647-14-5	1%	1.5E-06%
			Sodium chlorite	7758-19-2	20%	0.0048146%
CS POLYBREAK 210W	FTSI	Polymer breaker	Water	7732-18-5	6%	0.0012036%
			Stabilized Aqueous Chlorine Dioxide	10049-04-4	90%	0.0216655%
					5%	0.0012036%
			Sodium Hydroxide	1310-73-2		
					0.5%	0.0001204%
			Tetrasodium EDTA	64-02-8	41%	0.0001759%
			Sodium Hydroxide	1310-73-2	2%	8.6E-06%
			Trisodium Nitrotriacetic acid	5064-31-3	2%	8.6E-06%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.8%	3.4E-06%
			Water	7732-18-5		
FE-200L	FTSI	Iron Control			60%	0.0002574%
			Sodium formate	141-53-7	0.6%	2.6E-06%
			Sodium glycolate	2836-32-0	1.5%	6.4E-06%
			Iminodiacetate disodium salt	17593-73-6	1.5%	6.4E-06%
					0.2%	9E-07%
			Copolymer of 2-Propenamide	69418-26-4	30%	0.0074723%
			Hydrotreated Petroleum Distillate	64742-47-8		
					25%	0.0062269%
			Alcohol Ethoxylate Surfactants	Trade Secret		
					2%	0.0004982%
FRW-920	FTSI	Friction Reducer - Zwitter ionic	Oleic Acid Diethanolamide	93-84-4	2%	0.0004982%
			Water	7732-18-5	50%	0.0124538%
			Ammonium Chloride	12125-02-9	1%	0.0002491%
			2-Butoxyethanol	111-76-2	10%	0.0085098%
			2-Propanol	67-63-0	10%	0.0085098%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0042549%
			Water	7732-18-5		
			Sulfuric Acid	7664-93-9	90%	0.0765884%
			Sulfur Dioxide	7446-09-5	0.01%	1.19E-05%
					0%	1.2E-06%
NE-100	FTSI	Non-emulsifier	Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	3.57E-05%
			Unsulphonated Matter	Proprietary		
					0.03%	2.38E-05%
			Hydrochloric Acid (HCl)	7647-01-0	37%	0.0324529%
			Water	7732-18-5	63%	0.0552576%
					24%	0.0095567%
			Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4		
			Sodium Hydroxide	1310-73-2		
					23%	0.0091585%
			Water	7732-18-5		
Hydrochloric Acid (HCl)	FTSI	Acid			55%	0.0219008%
			Boric acid	10043-35-3	15%	0.0059729%
			Potassium hydroxide	1310-58-3		
					12%	0.0047783%
			Water	7732-18-5		
					75%	0.0298647%
ICI-3240	FTSI	Biocide	Silica	14808-60-7	100%	12.7305409%
			Quartz			
30/50 White	FTSI	proppant				

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: Rebecca Deal Title: Regulatory Professional

Date: 3/16/2016

E-mail Address: rebecca.deal@dvn.com

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