

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:
30-025-41829

2. Well Name:
LIPPIZZAN 4 FEDERAL #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:4 Section:4 Township:25S Range:32E
Feet from:200 N/S Line:N
Feet from:660 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:4 Section:4 Township:25S Range:32E
Feet from:200 N/S Line:N
Feet from:660 E/W Line:W

6. latitude: 32.1660871847259 longitude: -103.686552043934

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: 10/16/2014 Frac Performed by: FTSI

12. Production Type:
O

13. Pool Code(s):
96715

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
10,708 ft

16. Total Volume of Fluid Pumped:
4,933,530 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%	85.951785%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0	37%	0.323118%
			Water	7732-18-5	63%	0.550174%
100 Mesh Sand	FTSI	Proppant	Silica, Quartz	14808-60-7	100%	2.582002%
40/70 White	FTSI	Proppant	Silica, Quartz	14808-60-7	100%	6.829744%
Ultraprop	FTSI	Proppant	Aluminum Silicate (Mullite)	1302-76-7	35%	1.165053%
			Aluminium Oxide (Corundum)	1344-28-1	85%	2.829415%
APB-1	FTSI	Gel breaker	Ammonium Persulfate	7727-54-0	100%	0.003585%
B-10	FTSI	High pH buffer	Potassium carbonate	584-08-7	48%	0.013588%
			Potassium hydroxide	1310-58-3	20%	0.005661%
			Water	7732-18-5	55%	0.015587%
BXL-2	FTSI	Borate crosslinker	Sodium metaborate	10555-76-7	25%	0.005958%
			Boric acid	10043-35-3	15%	0.003575%
			Potassium hydroxide	1310-58-3	12%	0.00286%
			Water	7732-18-5	75%	0.017875%
BXL-3	FTSI	Crosslinker	Crystalline Silica, Quartz	14808-60-7	0.1%	2E-05%
			Borate Salt	1319-33-1	40%	0.007927%
			Potassium Formate	590-29-4	30%	0.005946%
			Hydrated aluminium-magnesium silicate (palygorskite)	12174-11-7	5%	0.000991%
			Sodium Sulfate	7757-82-6	0.1%	2E-05%
			Sodium Chloride	7647-14-5	0.1%	2E-05%
			Water	7732-18-5	60%	0.011891%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.000694%
			Dimethylformamide	68-12-2	10%	0.000231%
			Organic amine resin salt	Proprietary	30%	0.000694%
			Quaternary ammonium compound	Proprietary	10%	0.000231%
			Aromatic aldehyde	Proprietary	10%	0.000231%
			Ethylene Glycol	107-21-1	30%	0.000694%
			Water	7732-18-5	5%	0.000116%
			Fatty Acid	Proprietary	0.1%	2E-06%
			Fatty Acid Salt	Proprietary	0.1%	2E-06%
			Aliphatic alcohol	Proprietary	0.1%	2E-06%
			Alkylen Oxide Block Polymer	Proprietary	10%	0.000231%
			Diethylene glycol	111-46-6	1%	2.3E-05%
			Sodium chlorite	7758-19-2	5%	0.000142%
			Water	7732-18-5	95%	0.002698%
			Sodium Hydroxide	1310-73-2	0%	0%
			Tetrasodium EDTA	64-02-8	41%	0.000834%
			Sodium Hydroxide	1310-73-2	2%	4.1E-05%
			Trisodium Nitriotriacetic acid	5064-31-3	2%	4.1E-05%
			Ethylenediaminetriacetic acid, trisodium salt	139-89-9	0.8%	1.6E-05%
			Water	7732-18-5	60%	0.001221%
			Sodium formate	141-53-7	0.6%	1.2E-05%
			Sodium glycolate	2836-32-0	1.5%	3.1E-05%
			Iminodiacetate disodium salt	17593-73-6	0.2%	4E-06%
CS POLYBREAK 210	FTSI	Polymer breaker	Hydrotreated light distillate	64742-47-8	30%	0.004414%
			Ammonium acetate	631-61-8	6%	0.000883%
			Acrylamide Polymer	Proprietary	100%	0.014714%
			Guar Gum	9000-30-0	55%	0.127445%
			Petroleum Distillate	64742-47-8	55%	0.127445%
			Raffinates (Petroleum), Sorption Process	64741-85-1	50%	0.115859%
			Clay	14808-60-7	2%	0.004634%
			Clay	1302-78-9	5%	0.011586%
			Surfactant	24938-91-8	1%	0.002317%
			Surfactant	154518-36-2	1%	0.002317%
			Surfactant	9043-30-5	1%	0.002317%
KCLS-4	FTSI	Clay Control	Water	7732-18-5	30%	0.004651%
			Choline Chloride	67-48-1	75%	0.011628%
			Ammonium Persulfate	7727-54-0	100%	0.003585%
LTB-1	FTSI	Breaker	Cured acrylic resin	Proprietary	100%	0.003585%
			Silica, Crystalline-Quartz	14808-60-7	10%	0.000358%
			2-Butoxyethanol	111-76-2	10%	0.008621%
			2-Propanol	67-63-0	10%	0.008621%
NE-100	FTSI	Non-emulsifier	Dodecylbenzenesulfonic acid	27176-87-0	5%	0.00431%
			Water	7732-18-5	90%	0.077585%
			Sulfuric Acid	7664-93-9	0.01%	1.2E-05%
			Sulfur Dioxide	7446-09-5	0%	1E-06%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	3.6E-05%
			Unsulphonated Matter	Proprietary	0.03%	2.4E-05%

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: Sara Cook

Date: 3/25/2015

E-mail Address: sara.cook@dm.com

Title: Regulatory Associate

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