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 9, 2013

1. WELL API NO.: 30-015-43643
2. Well Name: CEDAR CANYON 16 STATE #334H
3. Well Number: 334H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit A: Lot A Section 16 Township 24S Range 29E
Feet from 402 N/S Line N
Feet from 1083 E/W Line E

5. Bottom Hole Location:
Unit P: Lot - Section 16 Township 24S Range 29E
Feet from 175 N/S Line S
Feet from 353 E/W Line E
Latitude: 32.22277364 Longitude: -103.9644245

7. County: Eddy

8. Operator Name and Address:
DEVONIAN
DEVONIAN
20 N BROADWAY
OKLAHOMA CITY, OK 73102

9. OGRID: 10346
10. Phone Number: 713-366-5716

11. Last Fracture Date: 11/28/2016 Frac Performed by: SCHLUMBERGER

12. Production Type: O

13. Pool Code(s): 96836

14. Gross Fractured Interval: 7,400 ft to 14,360 ft

15. True Vertical Depth (TVD): 10,330 ft

16. Total Volume of Fluid Pumped: 6,956,022 gals

17. Total Volume of Re-Use Water Pumped: 0

18. Percent of Re-Use Water in Fluid Pumped: Not Calculated

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)
Proppant Transport	Schlumberger	Acid Corrosion Inhibitor, Scale Inhibitor, Gelling Agent, Viscosifier, Water Gelling Agent, Temporary	Water (Including Mix Water Supplied by Client)*	CAS Not Assigned	0%	59.51602%
			Organic phosphonic salt	Proprietary	0.74598%	0.07092%
			1, 2, 3 - Propanetriol	56-81-5	0.00092%	96.05%
			Glycerol	56-81-5	0.00092%	96.05%
			Tetrasodium ethylenediaminetetraacetate	Gellerat	0.06037%	0.00605%
			Ethanol	64-17-5	16.05%	16.05%
			Acetic acid	64-19-7	16.05%	16.05%
			2-Hydroxy(N,N,N-trimethylethanaminium) chloride	67-48-1	0.32403%	0.03368%
			Methanol (impurity)	67-56-1	0.03164%	0.00017%
			Propan-2-ol	67-63-0	0.09062%	0.00067%
			Oxirane	75-21-8	16.05%	16.05%
			Propylene oxide	75-56-9	16.05%	16.05%
			2-Propenamid (impurity)	Gellerat	0.00027%	16.05%
			Formaldehyde	50-00-0	0.01164%	0.00012%
			Ethylene Glycol	107-21-1	0.23969%	0.02025%
			Fumaric acid	110-17-8	0.01138%	0.00118%
			Citric acid	112-80-1	16.05%	16.05%
			1,4-Dioxane (impurity)	123-91-1	16.05%	16.05%
			Acetic acid, potassium salt	Gellerat	16.05%	16.05%
			Disodium Ethylene Diamine Tetra Acetate Dihydrate	139-33-3	0.00017%	26.05%
			Potassium chloride	Potassium chloride	16.05%	16.05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00017%	26.05%
			Dodecylmethylcocheoalcolate	540-97-6	16.05%	16.05%
			Ethylenediaminetetraacetate	60-00-4	16.05%	16.05%
			Octamethylcyclotetrasiloxane	556-67-2	16.05%	16.05%
			Methanesulfonic acid, hydroxy-, monosodium salt	870-72-4	0.01641%	0.00167%
			Sodium hydroxide	1310-73-2	0.23495%	0.02384%
			Sodium borate	1330-43-4	0.03164%	0.00017%
			Sodium tetraborate	1330-43-4	0.03164%	0.00017%
			Sodium Glycolate (impurity)	2836-32-0	0.3005%	16.05%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	85.05%	16.05%
			Potassium chloride	7447-40-7	0.3001%	16.05%
			Silicon Dioxide	7631-86-9	0.03037%	0.00024%
			Sodium hydrogensulfite	7631-90-5	0.01641%	0.00167%
			Sodium Nitrate	7632-00-0	0.01641%	0.00167%
			Sodium chloride	7647-14-5	3.39412%	0.07549%
			Monosodium Ismarate	7704-73-6	0.01138%	0.00118%
			Diammonium peroxidisulphate	7727-54-0	0.0644%	0.3006%
			Sodium sulfate	7757-82-6	0.00126%	0.00013%
			Copper(II) sulfate	7758-99-7	16.05%	16.05%
			Ammonium sulfate	7783-20-2	0.11381%	0.01173%
			Calcium chloride	10043-52-4	0.01138%	0.00118%
			Guar gum	9000-30-0	3.55491%	0.09011%
			poly(ethylfuroethylene)	9002-84-0	16.05%	16.05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	66.05%	16.05%
			Methyl oxirane polymer with oxirane	Gellerat	0.00015%	26.05%
			Starch	9005-25-8	0.03037%	0.00024%
			Calcium chloride	10043-52-4	0.03037%	0.00024%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00012%	16.05%
			Quartz, Crystalline silica	14808-60-7	97.37214%	2.79767%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00399%	0.0004%
			Ethanol, with 7 Moles Ethylene Oxide	26183-03-0	0.00037%	16.05%
			Glycols, polyethylene, monodecaduryl ether	27306-79-2	46.05%	16.05%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.06194%	0.00834%
			Solid Unsaturated Polyester Resin	39353-31-3	26.05%	16.05%
			Poly(ethylenimine), polymer with ethylene oxide and propylene oxide	52501-07-2	0.00044%	16.05%
			Glass fibers	65997-38-0	0.00024%	0.00023%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00014%	16.05%
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			Alcohol C10-C12-iso, ethoxylated	66455-15-0	66.05%	16.05%
			Silicon Dioxide	67762-90-7	16.05%	16.05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	16.05%	16.05%
			Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-chloroethyloxirane, 2-ethylhexyl glycidyl ether	68123-18-2	0.00037%	46.05%
			Fatty acid, tall-oil, reaction products with acetophenone	68188-40-9	0.00126%	0.00013%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00105%	0.00011%
			Alcohol, C11-iso, ethoxylated	78330-21-9	0.00105%	0.00011%
			Propan-2-ol	78330-23-2	26.05%	16.05%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00497%	0.00069%
* Proprietary Technology					0%	0%

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: David Stewart Title: Sr. Regulatory Advisor

Date: 1/12/2017

E-mail Address: david_stewart@dvn.com

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