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 5, 2012

1. WELL API NO. 30-015-43601
2. Well Name: CEDAR CANYON 29 FEDERAL #021H
3. Well Number: 021H
4. Surface Hole Location: Unit:H Lot:H Section:29 Township:24S Range:29E Feet from:1999 N/S Line:N Feet from:150 E/W Line:E
5. Bottom Hole Location: Unit:D Lot:D Section:29 Township:24S Range:29E Feet from:1359 N/S Line:N Feet from:173 E/W Line:W
6. latitude: 32.190086 longitude: -103.9990724
7. County: Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

8. Operator Name and Address:
DBY USA INC
PO Box 4294
Houston 77210

9. OGRID: 16696
10. Phone Number: 713-366-5716

11. Last Fracture Date: 3/23/2017 Frac Performed by: Schlumberger
12. Production Type: O
13. Pool Code(s): 50371
14. Gross Fractured Interval: 8,718 ft to 13,274 ft
15. True Vertical Depth (TVD): 8,718 ft
16. Total Volume of Fluid Pumped: 9,194,496 gals
17. Total Volume of Recycle Water Pumped: N/A
18. Percent of Recycled 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)
Proppant Transport	Schlumberger	Acid Corrosion Inhibitor, Water Viscosifier, Friction Reducer, Temporary Clay Stabilizer, Surfactant, Acid, Breaker,	Water (Including Mix Water Supplied by Client)*	CAS Not Assigned	0%	88.18292%
			QuartzC, Crystalline silica	14808-60-7	98.36617%	11.64368%
			Guar gum	9000-30-0	0.56573%	0.0700%
			Hydrotrioric acid	7647-01-0	0.02324%	0.07377%
			Ammonium persodisulphate	7727-54-0	0.01566%	0.00633%
			Ammonium sulfate	7783-20-2	0.0662%	0.00837%
			Polyethylene glycol monoleucz ether	31726-34-8	0.05605%	0.00667%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.05034%	0.00596%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.03833%	0.00454%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00794%	0.00093%
			Magnesium chloride	7786-30-3	0.00647%	0.00077%
			Tetrasodium ethylenediaminetetraacetate	GeBeral	0.00563%	0.00067%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00539%	0.00064%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00484%	0.00057%
			Sodium chloride	7647-14-5	0.00431%	0.00051%
			Propan-2-ol	67-63-0	0.00394%	0.00047%
			Urea	57-13-6	0.00331%	0.00039%
			Silicon Dioxide	7631-86-9	0.0025%	0.0003%
			Heavy aromatic naphtha	64742-94-5	0.00215%	0.00025%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00116%	0.00014%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00097%	0.00011%
			Calcium chloride	10043-52-4	0.00089%	0.0001%
			Sodium sulfate	7757-82-6	0.00077%	9E-05%
			Isodecanol with 7 Moles Ethylene Oxide	26183-52-8	0.00055%	6E-05%
			Amines, dicoco alkylmethyl	61789-62-3	0.00049%	6E-05%
			Formaldehyde, polymer with methyloxirane, 4-nonylphenol and oxirane	63428-92-2	0.00046%	5E-05%
			Sodium Glycolate (impurity)	2836-32-0	0.00047%	5E-05%
			Cinnamaldehyde	104-55-2	0.00042%	5E-05%
			Naphthalene	91-20-3	0.00028%	3E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00024%	3E-05%
			2-Propenamid (impurity)	GeBeral	0.00016%	2E-05%
			1,2,4 trimethylbenzene	95-63-6	0.00016%	2E-05%
			Sodium hydroxide	1310-73-2	0.00015%	2E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00015%	2E-05%
			Methyl Oxirane Diamine Tetra Acetate (impurity)	139-33-3	0.00015%	2E-05%
			Amines, tallow alkyl, ethoxylated poly(tetrafluoroethylene)	61791-26-2	0.00012%	1E-05%
			Trisodium nitrilotriacetate (impurity)	9002-84-0	0.0001%	1E-05%
			Dodecyl polyoxyethylene) ether	5064-31-3	7E-05%	1E-05%
			Dimethyl siloxanes and silicones	63148-62-9	5E-05%	1E-05%
			4-nonylphenol, ethoxylated	26027-38-3	4E-05%	1E-05%
			Glycols, polyethylene, monodeladecyl ether	27306-79-2	4E-05%	1E-05%
			Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, 2-methyloxirane, 4-nonylphenol and oxirane	68188-99-9	3E-05%	1E-05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2	1E-05%	1E-05%
			Decamethyl cyclopentasiloxane	GeBeral	1E-05%	1E-05%
			Copper(II) sulfate	7758-98-7	1E-05%	1E-05%
			Dodecamethylcyclohexasiloxane	540-97-6	1E-05%	1E-05%
			Potassium hydroxide	1310-58-3	1E-05%	1E-05%
			Ethylbenzene (impurity)	100-41-4	1E-05%	1E-05%
			Acetic acid, potassium salt	GeBeral	1E-05%	1E-05%
					0%	0%

1 Proprietary Technology

20. I as Operator, hereby verify 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: 5/9/2017

E-mail Address: david_stewart@oxy.com

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