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 8, 2013

1. WELL API NO.: 30-015-42993
2. Well Name: CEDAR CANYON 29 FEDERAL COM #003H
3. Well Number: 003H
4. Surface Hole Location: Unit H Lot N/A Section 29 Township 24S Range 29E; Feet from 2150 N/S Line S; Feet from 210 E/W Line E
5. Bottom Hole Location: Unit L Lot N/A Section 29 Township 24S Range 29E; Feet from 2305 N/S Line N; Feet from 210 E/W Line W
6. Latitude: 32.1900843 Longitude: -103.9992663
7. County: Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

8. Operator Name and Address: OXY 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): 10331
14. Gross Fractured Interval: 6,502 ft to 13,135 ft
15. True Vertical Depth (TVD): 6,365 ft
16. Total Volume of Fluid Pumped: N/A
17. Total Volume of Re-Use Water Pumped: N/A
18. Percent Re-Use of 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)
A266	Schlumberger	Acid Corrosion Inhibitor	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
B452	Schlumberger	Water Gelling Agent	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
F114	Schlumberger	Surfactant	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
H236	Schlumberger	Acid	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
J218	Schlumberger	Breaker	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
J475	Schlumberger	Breaker	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
J609W	Schlumberger	Friction Reducer	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
U042	Schlumberger	Chelating Agent	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
W053	Schlumberger	Demulsifier	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
X100	Schlumberger	Fluid Loss Additive	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
B312-4270	Schlumberger	Propping Agent	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
B312-3050	Schlumberger	Propping Agent	MSDS and Non-MSDS components listed below	Listed Below	0%	0%
The trade name(s) of the additive(s) used, supplie			Water (including Min Water Chemicals)	CAS Not Assigned	0%	88.156776%
			Quartz, Crystalline silica	14808-60-7	88.4996%	11.664316%
			muriacitonic acid	7647-31-0	0.0372%	0.0143%
			Guar gum	9000-30-0	0.5779%	0.0706%
			Diammonium peroxidisulphate	7727-54-0	0.0746%	0.00941%
			Ammonium sulfate	7783-20-2	0.0871%	0.00769%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.0465%	0.00587%
			Polyethylene glycol monohexyl ether	31726-34-8	0.0476%	0.00573%
			Trivalent chromium ion/methacrylic/acrylate copolymer	25038-72-6	0.0079%	0.00094%
			Tetrasodium ethylenediaminetetraacetate	GeBerar	0.0056%	0.00067%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.0051%	0.00063%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.0037%	0.00044%
			Propan-2-ol	67-63-0	0.0046%	0.00041%
			Urea	57-13-6	0.0028%	0.00039%
			Heavy aromatic naphtha	64742-94-5	0.0024%	0.00029%
			Silicon Dioxide	7631-86-9	0.0031%	0.00027%
			Fatty acid, tall-oil reaction products with tetraethylenepentamine	68188-40-9	0.0016%	0.00017%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.0008%	0.00007%
			Sodium sulfate	7757-82-6	0.0007%	8E-05%
			Isodecanol with 7 Moles Ethylene Oxide	26183-52-8	0.0005%	7E-05%
			Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol and oxirane	63428-92-2	0.0005%	6E-05%
			Sodium Glycolate (impurity)	2836-32-0	0.0044%	5E-05%
			Cinnamaldehyde	104-55-2	0.0033%	5E-05%
			Amines, dicoco alkylethyl	61790-62-3	0.0003%	4E-05%
			Methanol	67-56-1	0.0003%	4E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.0002%	3E-05%
			1,2,4 trimethylbenzene (impurity)	95-63-6	0.0001%	2E-05%
			2-Propenamid (impurity)	GeBerar	0.0001%	2E-05%
			Propargyl alcohol	107-19-7	0.0001%	2E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.0001%	2E-05%
			Cocoalkyl Ethylene Diamine Bis Chloroacetate	139-33-3	0.0001%	2E-05%
			Sodium sulfite	7757-83-7	0.0001%	1E-05%
			Isodecanol with 7 Moles Ethylene Oxide	26183-52-8	0.0005%	7E-05%
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			Cocoalkyl Ethylene Diamine Bis Chloroacetate	139-33-3	0.0001%	2E-05%
			Sodium sulfite	7757-83-7	0.0001%	1E-05%
			Isodecanol ethoxylated	61827-42-7	0.0001%	1E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.0001%	1E-05%
			Dodecyl poly(oxyethylene) ether	9002-84-0	0.0001%	1E-05%
			Dimethyl siloxanes and silicones	63148-62-9	0.0001%	1E-05%
			Glycols, polyethylene, monobrabdecyl ether	27306-79-2	0.0001%	1E-05%
			Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, 2-methyloxirane, 4-nonylphenol and oxirane	68188-99-9	0.0001%	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	GeBerar	1E-05%	1E-05%
			Copper(II) sulfate	7758-99-7	1E-05%	1E-05%
			Tetramethylammonium chloride	75-57-0	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	GeBerar	1E-05%	1E-05%
1 Proprietary Technology					0%	0%

20. I, Mr Gabriel Jaramillo, hereby verify that the information given 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: 5/8/2017

E-mail Address: david_stewart@oxy.com

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