

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:
30-015-43906

2. Well Name:
CEDAR CANYON 22 FEDERAL COM #006Y

3. Well Number:
006Y

HYDRAULIC FRACTURING FLUID
DISCLOSURE
☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:22 Township:24S Range:29E
Feet from:1040 N/S Line:S
Feet from:207 E/W Line:W

5. Bottom Hole Location:
Unit:P Lot: Section:22 Township:24S Range:29E
Feet from:881 N/S Line:S
Feet from:177 E/W Line:E

6. latitude: 32.19853436 longitude: -103.9802118

7. County: Eddy

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: 11/13/2016 Frac Performed by: SCHLUMBERGER

12. Production Type:
O

13. Pool Code(s): 96238

14. Gross Fractured Interval:
8,610 ft to 13,196 ft

15. True Vertical Depth (TVD):
8,850 ft

16. Total Volume of Fluid Pumped:
3,154,028 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)
Proppant Transport	Schlumberger	Acid Corrosion Inhibitor, Scale Inhibitor, Demulsifier, Water Gelling Agent, Surfactant, Acid, Break	Water (Including Mix Water Supplied by Client)*	CAS Not Assigned		0%
			Organo phosphorus salt	Proprietary	0.34292%	0.06909%
			1, 2, 3 - Propanetriol	56-81-5	0.00096%	0.00019%
			Urea	57-13-6	0.00146%	0.00029%
			Tetrasodium ethylenediaminetetraacetate	GeDeral	0.01112%	0.00224%
			Ethanol	64-17-5	1E-05%	1E-05%
			Acetic acid	64-19-7	1E-05%	1E-05%
			Methanol (impurity)	67-56-1	0.00075%	0.00015%
			Propan-2-ol	67-63-0	0.00856%	0.00173%
			Oxirane	75-21-8	1E-05%	1E-05%
			Propylene oxide	75-56-9	1E-05%	1E-05%
			2-Propaneamine (impurity)	GeDeral	7E-05%	1E-05%
			Cinnamaldehyde	104-56-2	0.00076%	0.00015%
			Ethylene Glycol	107-21-1	0.20934%	0.04218%
			Fumaric acid	110-17-8	0.00951%	0.00192%
			Oleic acid	112-80-1	1E-05%	1E-05%
			1,4-Dioxane (impurity)	123-91-1	1E-05%	1E-05%
			Acetic acid, potassium salt	GeDeral	1E-05%	1E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.0003%	6E-05%
			Potassium oleate	143-18-0	1E-05%	1E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.0003%	6E-05%
			Sodium carbonate	497-19-8	0.00753%	0.00152%
			Dodecamethyldichlorohexasiloxane	540-97-6	1E-05%	1E-05%
			Decamethyl cyclopentasiloxane	GeDeral	1E-05%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2	1E-05%	1E-05%
			Methanesulfonic acid, hydroxy-, monosodium salt	870-72-4	0.00754%	0.00152%
			Sodium hydroxide	1310-73-2	0.28369%	0.05716%
			Boronatrotalcite	1319-33-1	0.36158%	0.07285%
			Sodium tetraborate	1330-43-4	0.03045%	0.00614%
			Sodium Glycolate (impurity)	2836-32-0	0.0009%	0.00018%
			Trisodium nitriolacetate (impurity)	5064-31-3	0.00015%	3E-05%
			Silicon Dioxide	7631-86-9	0.00206%	0.00042%
			Sodium hydrogensulphite	7631-90-5	0.00754%	0.00152%
			Hydrochloric acid	7647-01-0	0.58639%	0.11815%
			Sodium chloride	7647-14-5	0.15241%	0.03071%
			Monosodium fumarate	7704-73-6	0.00951%	0.00192%
			Diammonium peroxodisulphate	7727-54-0	0.04357%	0.00878%
			Sodium sulfate	7757-82-6	0.00034%	7E-05%
			Copper(II) sulfate	7758-98-7	1E-05%	1E-05%
			Ammonium sulfate	7783-20-2	0.03006%	0.00606%
			Guar gum	9000-30-0	0.64621%	0.1302%
			poly(tetrafluoroethylene)	9002-84-0	8E-05%	2E-05%
			Dodecyl poly(oxyethylene) ether	9002-82-0	9E-05%	2E-05%
			Methyl oxirane polymer with oxirane	GeDeral	0.00019%	4E-05%
			Boric acid	10043-35-3	0.00951%	0.00192%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00018%	4E-05%
			Quartz, Crystalline silica	14808-60-7	97.17137%	19.57903%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00586%	0.00118%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00116%	0.00023%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	7E-05%	1E-05%
			Polyethylene glycol monohexyl ether	31726-34-8	0.02321%	0.00468%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.02219%	0.00447%
			Polyethylenimine, polymer with ethylene oxide and propylene oxide	52501-07-2	0.00048%	0.0001%
			Amines, dicoco alkyl(methyl)	61788-62-3	0.00019%	4E-05%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00193%	0.00039%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00022%	4E-05%
			Dimethyl siloxanes and silicones	63148-62-9	2E-05%	1E-05%
			Alkyl (C10-C14) alcohols, ethoxylated	66455-15-0	0.0001%	2E-05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	1E-05%
			Phenol, 4,4'-(1-methylethyldiene)bis-, polymer with 2-(chloromethyl) oxirane, 2-methyloxirane and oxirane	68123-18-2	0.00038%	8E-05%
Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00207%	0.00042%			
Alcohols, C12-C16, ethoxylated	68551-12-2	0.00173%	0.00035%			
Alcohol, C11-14, ethoxylated	78330-21-9	0.0001%	2E-05%			
Diutan gum	125005-87-0	0.00048%	0.0001%			
Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00238%	0.00048%			

† Proprietary Technology

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
Date: 1/11/2017
E-mail Address: david_stewart@oxy.com

Printed Name: David Stewart

Title: Sr. Regulatory Advisor

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