

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 APT NO:
30-015-43758

2. Well Name:
CEDAR CANYON 22 FEDERAL COM #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:22 Township:24S Range:29E
Feet from:1120 N/S Line:S
Feet from:207 E/W Line:W

5. Bottom Hole Location:
Unit:L Lot: Section:22 Township:24S Range:29E
Feet from:1712 N/S Line:S
Feet from:191 E/W Line:E

6. latitude: 32.19875525 longitude: -103.9802114

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):
96239

14. Gross Fractured Interval:
8,939 ft to 13,359 ft

15. True Vertical Depth (TVD):
8,819 ft

16. Total Volume of Fluid Pumped:
7,437,497 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, Surfactant, Acid, Friction Reducer, Chelatin	Water (Including Mix Water Supplied by Client)*	CAS Not Assigned		0%
			Organo phosphorus salt	Proprietary	0.70043%	0.08669%
			1, 2, 3 - Propanetriol	56-81-5	0.00081%	0.0001%
			Urea	57-13-6	0.00453%	0.00056%
			Tetrasodium ethylenediaminetetraacetate	Ge0eral	0.0123%	0.00152%
			Ethanol	64-17-5	1E-05%	1E-05%
			Acetic acid	64-19-7	1E-05%	1E-05%
			Methanol (impurity)	67-58-1	0.00154%	0.00019%
			Propan-2-ol	67-63-0	0.00893%	0.00111%
			Oxirane	75-21-8	1E-05%	1E-05%
			Propylene oxide	75-56-9	1E-05%	1E-05%
			2-Propenamid (impurity)	Ge0eral	0.00023%	3E-05%
			Cinnamaldehyde	104-55-2	0.00081%	0.0001%
			Oleic acid	112-80-1	1E-05%	1E-05%
			1,4-Dioxane (Impurity)	123-91-1	1E-05%	1E-05%
			Acetic acid, potassium salt	Ge0eral	1E-05%	1E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00033%	4E-05%
			Potassium oleate	143-18-0	1E-05%	1E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00033%	4E-05%
			Dodecamethylcyclohexasiloxane	540-97-6	1E-05%	1E-05%
			Decamethyl cyclopentasiloxane	Ge0eral	1E-05%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2	1E-05%	1E-05%
			Methanesulfonic acid, hydroxy-, monosodium salt	870-72-4	0.01541%	0.00191%
			Sodium hydroxide	1310-73-2	0.00033%	4E-05%
			Sodium Glycolate (impurity)	2836-32-0	0.00099%	0.00012%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00016%	2E-05%
			Silicon Dioxide	7631-86-9	0.00094%	0.00012%
			Sodium hydrogensulphite	7631-90-5	0.01541%	0.00191%
			Hydrochloric acid	7647-01-0	0.65372%	0.08091%
			Sodium chloride	7647-14-5	0.3113%	0.03853%
			Sodium sulfate	7757-82-6	0.00106%	0.00013%
			Copper(II) sulfate	7758-98-7	1E-05%	1E-05%
			Ammonium sulfate	7783-20-2	0.09326%	0.01154%
			Dodecyl poly(oxyethylene) ether	9002-82-0	0.0001%	1E-05%
			Methyl oxirane polymer with oxirane	Ge0eral	0.00016%	2E-05%
			Quartz, Crystalline silica	14808-60-7	98.04212%	12.13496%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00125%	0.00015%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	7E-05%	1E-05%
			Polyethylene glycol monohexyl ether	31726-34-8	0.04772%	0.00591%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.06883%	0.00852%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.00041%	5E-05%
			Amines, dicoco alkyl(methyl	61788-62-3	0.0004%	5E-05%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00398%	0.00049%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00024%	3E-05%
			Dimethyl siloxanes and silicones	63148-62-9	6E-05%	1E-05%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	8E-05%	1E-05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	1E-05%
			Phenol, 4,4'-(1-methylethylene)bis-, polymer with 2-(chloromethyl) oxirane, 2-methyloxirane and oxirane	68123-18-2	0.00032%	4E-05%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00222%	0.00028%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00185%	0.00023%
			Alcohol, C11-14, ethoxylated	78330-21-9	8E-05%	1E-05%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00738%	0.00091%

† 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 Printed Name: David Stewart

Date: 1/11/2017

E-mail Address: david_stewart@oxy.com

Title: Sr. Regulatory Advisor

NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.