

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.
30-015-43809

2. Well Name:
CEDAR CANYON 22 15 FEE #031H

3. Well Number:
031H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:C Lot:C Section: 22 Township:24S Range:29E
Feet from:1108 N/S Line:N
Feet from:1603 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section: 15 Township:24S Range:29E
Feet from:161 N/S Line:N
Feet from:903 E/W Line:W

6. latitude: longitude:
32.2071019 -103.9752018

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: 8/27/2016 Frac Performed by: SCHLUMBERGER

12. Production Type:
O

13. Pool Code(s):
96473

14. Gross Fractured Interval:
10,004 ft to 15,872 ft

15. True Vertical Depth (TVD):
9,906 ft

16. Total Volume of Fluid Pumped:
9,543,235 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, Temporary Clay Stabiliz	Water (Including Mix Water Supplied by Client) Organophosphorus salt 1, 2, 3 - Propanetriol Urea Tetrasodium ethylenediaminetetraacetate Ethanol Acetic acid 2-hydroxy-N,N,N-trimethylethanaminium chloride Methanol (impurity) Propan-2-ol Oxirane Propylene oxide 2-Propanamid (impurity) Cinnamaldehyde Ethylene Glycol Fumaric acid Oleic acid 1,4-Dioxane Acetic acid, potassium salt Disodium Ethylene Diamine Tetra Acetate (impurity) Potassium oleate Trisodium Ethylenediaminetetraacetate (impurity) Dodecamethylcyclohexasioxane Decamethyl cyclopentasioxane Octamethylcyclotetrasioxane Methanesulfonic acid, hydroxy-, monosodium salt Sodium hydroxide Boronatrocalcite Sodium tetraborate Sodium Glycolate (impurity) Trisodium nitriotriacetate (impurity) Silicon Dioxide Sodium hydrogensulphite Hydrochloric acid Sodium chloride Monosodium fumarate Diammonium peroxodisulphate Sodium sulfate Copper(II) sulfate Ammonium sulfate Magnesium chloride Guar gum poly(tetrafluoroethylene) Dodecyl poly(oxyethylene) ether Methyl oxirane polymer with oxirane Boric acid Calcium chloride Magnesium silicate hydrate (taic) Quartz, Crystalline silica Vinylidene chloride/methylacrylate copolymer Polypropylene glycol Isodecanol w/6-7 Moles Ethylene Oxide Glycols, polyethylene, monotetradecyl ether Polyethylene glycol monohexyl ether Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer Polyethylenimin, polymer with ethylene oxide and propylene oxide Amines, dicoco alkylmethyl Dicoco dimethyl quaternary ammonium chloride Amines, tallow alkyl, ethoxylated Dimethyl siloxanes and silicones Alkyl (C10-C14) alcohols, ethoxylated Siloxanes and silicones, dimethyl, reaction products with silica Phenol, 4,4'-(1-methylethyldene)bis-, polymer with 2-(chloromethyl)oxirane, 2-methyloxirane and oxirane Fatty acid, tall-oil reaction products with acetophenone Alcohols, C12-C16, ethoxylated Alcohol, C11-14, ethoxylated Diutan gum Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	Proprietary 56-81-5 57-13-6 Ge0eral 64-17-5 64-19-7 67-48-1 67-56-1 67-63-0 75-21-8 75-56-9 Ge0eral 104-55-2 107-21-1 110-17-8 112-80-1 123-91-1 Ge0eral 139-33-3 143-18-0 150-38-9 540-97-6 Ge0eral 566-67-2 870-72-4 1310-73-2 1319-33-1 1330-43-4 2836-32-0 5064-31-3 7631-86-9 7631-90-5 7647-01-0 7647-14-5 7704-73-6 7727-54-0 7757-82-6 7758-98-7 7793-20-2 7798-30-3 9000-30-0 9002-84-0 9002-92-0 Ge0eral Ge0eral 10043-35-3 10043-52-4 14807-96-6 14808-60-7 25038-72-6 25322-69-4 25183-53-9 27306-79-2 31726-34-8 38193-60-1 52501-07-2 61788-62-3 61789-77-3 61791-26-2 63148-62-9 66455-15-0 67762-90-7 68123-18-2 68188-40-9 68551-12-2 78330-21-9 125005-87-0 136793-29-8	0% 4.52089% 0.01195% 0.09606% 0.18252% 7E-05% 1E-05% 10.74906% 0.00995% 0.14728% 1E-05% 1E-05% 0.00478% 0.01246% 3.84264% 0.17449% 1E-05% 1E-05% 1E-05% 1E-05% 0.00487% 2E-05% 0.00487% 6E-05% 0.0001% 0.00014% 0.09946% 3.58525% 6.63729% 0.55893% 0.01459% 0.00243% 0.07602% 0.09946% 10.19691% 3.21855% 0.17449% 1.4032% 0.02241% 6E-05% 1.97866% 1.8139% 20.56433% 0.0019% 0.00154% 0.00237% 0.17465% 0.24185% 0.0045% 26.75562% 0.14574% 0.01323% 0.01908% 0.0011% 1.44484% 1.46035% 0.006% 0.01202% 0.1204% 0.00364% 0.00137% 0.0012% 0.00019% 0.0048% 0.03401% 0.02838% 0.0012% 0.00873% 0.15648%	99.5954% 0.01829% 5E-05% 0.00039% 0.00074% 1E-05% 1E-05% 0.04349% 4E-05% 0.0006% 1E-05% 1E-05% 2E-05% 5E-05% 0.01555% 0.00071% 1E-05% 1E-05% 1E-05% 1E-05% 2E-05% 1E-05% 2E-05% 1E-05% 2E-05% 0.01451% 0.02665% 0.00226% 6E-05% 1E-05% 0.00031% 0.0004% 0.04126% 0.01302% 0.00071% 0.00568% 9E-05% 1E-05% 0.0001% 0.00901% 0.00734% 0.0832% 1E-05% 1E-05% 1E-05% 0.00585% 0.00591% 2E-05% 5E-05% 0.00049% 1E-05% 1E-05% 1E-05% 1E-05% 2E-05% 2E-05% 0.00014% 0.00011% 1E-05% 4E-05% 0.00063%

† 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: 10/11/2016 Title: Sr. Regulatory Advisor

E-mail Address: david_stewart@oxy.com

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