

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:
30-015-43819

2. Well Name:
CEDAR CANYON 28 FEDERAL COM #008H

3. Well Number:
008H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:A Section:29 Township:24S Range:29E
Feet from:170 N/S Line:N
Feet from:319 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot: Section:28 Township:24S Range:29E
Feet from:448 N/S Line:N
Feet from:189 E/W Line:E

6. latitude: longitude:
32.19521234 -103.9991022

7. County:
Eddy

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

9. CGRID:
16696
O

10. Phone Number:
713-366-5716

11. Last Fracture Date: 12/26/2016 Frac Performed by: SCHLUMBERGER

12. Production Type:
O

13. Pool Code(s):
96473

14. Gross Fractured Interval:
8,756 ft to 13,292 ft

15. True Vertical Depth (TVD):
8,712 ft

16. Total Volume of Fluid Pumped:
9,357,182 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, Temporary Clay Stabilizer, Acid, Friction Re	Water (Including Mix Water Supplied by Client)* Organo phosphorus 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-Propenamid (impurity) Cinnamaldehyde Oleic acid 1,4-Dioxane (Impurity) Acetic acid, potassium salt Disodium Ethylene Diamine Tetra Acetate (impurity) Potassium oleate Trisodium Ethylenediaminetetraacetate (impurity) Dodecamethyl cyclohexasiloxane Decamethyl cyclopentasiloxane Octamethylcyclotetrasiloxane Methanesulfonic acid, hydroxy-, monosodium salt Sodium hydroxide Sodium Glycolate (impurity) Trisodium nitrilotriacetate (impurity) Potassium chloride Silicon Dioxide Sodium hydrogensulphite Hydrochloric acid Sodium chloride Sodium sulfate Copper(II) sulfate Ammonium sulfate Magnesium chloride Dodecyl poly(oxyethylene) ether Methyl oxirane polymer with oxirane Calcium chloride Quartz, Crystalline silica Isodecanol w/6-7 Moles Ethylene Oxide Glycols, polyethylene, monotetradecyl ether Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer Polyethylenimin, polymer with ethylene oxide and propylene oxide 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-methylethylidene)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 Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	CAS Not Assigned Proprietary 56-81-5 57-13-6 GeOeral 64-17-5 64-19-7 67-48-1 67-56-1 67-63-0 75-21-8 75-56-9 GeOeral 104-55-2 112-80-1 123-91-1 GeOeral 139-33-3 143-18-0 150-38-9 540-97-6 GeOeral 556-67-2 870-72-4 1310-73-2 2836-32-0 5064-31-3 7447-40-7 7631-86-9 7631-90-5 7647-01-0 7647-14-5 7757-82-6 7758-98-7 7783-20-2 7786-30-3 9002-92-0 GeOeral 10043-52-4 14808-60-7 26183-52-8 27306-79-2 38193-60-1 52501-07-2 61791-26-2 63148-62-9 66455-15-0 67762-90-7 68123-18-2 68188-40-9 68551-12-2 78330-21-9 136793-29-8	0% 0.81329% 0.00037% 0.00527% 0.00606% 1E-05% 1E-05% 0.42043% 0.00179% 0.00431% 1E-05% 1E-05% 0.00026% 0.00045% 1E-05% 1E-05% 1E-05% 0.0016% 1E-05% 0.00016% 1E-05% 1E-05% 1E-05% 1E-05% 0.0028% 0.0011% 0.01789% 0.66878% 0.40961% 0.00123% 1E-05% 0.10849% 0.07095% 6E-05% 7E-05% 0.05697% 97.33143% 0.0007% 4E-05% 0.08008% 0.00019% 0.00013% 8E-05% 4E-05% 1E-05% 0.00015% 0.00124% 0.00104% 4E-05% 0.00858%	88.95165% 0.08986% 4E-05% 0.00058% 0.00067% 1E-05% 1E-05% 0.04645% 0.0002% 0.00048% 1E-05% 1E-05% 3E-05% 5E-05% 1E-05% 1E-05% 1E-05% 2E-05% 1E-05% 2E-05% 5E-05% 1E-05% 0.00031% 0.0012% 0.00198% 0.07389% 0.04526% 0.00014% 1E-05% 0.01199% 0.00784% 1E-05% 1E-05% 0.00629% 10.75352% 8E-05% 1E-05% 0.00885% 2E-05% 1E-05% 1E-05% 1E-05% 1E-05% 2E-05% 0.00014% 0.00011% 1E-05% 0.00095%

† 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

Title: Sr. Regulatory Advisor

Date: 2/9/2017

E-mail Address: david_stewart@oxy.com

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