

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:
30-015-43290

2. Well Name:
CEDAR CANYON 23 FEDERAL #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:I Lot:I Section:22 Township:24S Range:29E
Feet from:2540 N/S Line:S
Feet from:200 EW Line:E

5. Bottom Hole Location:
Unit:F Lot: Section:24 Township:24S Range:29E
Feet from:2151 N/S Line:N
Feet from:2468 EW Line:W

6. latitude: 32.20262636 longitude: -103.9644018

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: 1/19/2017 Frac Performed by: SCHLUMBERGER

12. Production Type:
O

13. Pool Code(s):
96473

14. Gross Fractured Interval:
9,016 ft to 16,282 ft

15. True Vertical Depth (TVD):
9,010 ft

16. Total Volume of Fluid Pumped:
9,776,005 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 Abstracts Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Proppant Transport	Schlumberger	Acid Corrosion Inhibitor, Scale Inhibitor, Non-Emulsifying Agent, Temporary Clay Stabilizer, Surfact	Water (Including Mix Water Supplied by Client)*	CAS Not Assigned		0%
			Organo phosphorus salt	Proprietary	0.39942%	0.06283%
			Polymer of fatty acid	Proprietary	0.00039%	6E-05%
			Urea	57-13-6	0.00632%	0.00099%
			Tetrasodium ethylenediaminetetraacetate	GeOeral	0.00359%	0.00056%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.10178%	0.01601%
			Methanol (impurity)	67-56-1	0.00088%	0.00014%
			Propan-2-ol	67-63-0	0.00315%	0.00049%
			2-Propenamid (impurity)	GeOeral	0.00031%	5E-05%
			Cinnamaldehyde	104-55-2	0.00027%	4E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	9E-05%	1E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	9E-05%	1E-05%
			Dodecamethylcyclohexasiloxane	540-97-6	1E-05%	1E-05%
			Decamethyl cyclopentasiloxane	GeOeral	1E-05%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2	1E-05%	1E-05%
			Methanesulfonic acid, hydroxy-, monosodium salt	870-72-4	0.00879%	0.00138%
			Sodium hydroxide	1310-73-2	0.00011%	2E-05%
			Sodium Glycolate (impurity)	2836-32-0	0.00028%	4E-05%
			Trisodium nitriotriacetate (impurity)	5064-31-3	5E-05%	1E-05%
			Potassium chloride	7447-40-7	2E-05%	1E-05%
			Silicon Dioxide	7631-86-9	0.00132%	0.00021%
			Sodium hydrogensulphite	7631-90-5	0.00879%	0.00138%
			Hydrochloric acid	7647-01-0	0.82768%	0.1302%
			Sodium chloride	7647-14-5	0.18897%	0.02973%
			Sodium sulfate	7757-82-6	0.00148%	0.00023%
			Copper(II) sulfate	7758-98-7	1E-05%	1E-05%
			Ammonium sulfate	7783-20-2	0.13026%	0.02049%
			Magnesium chloride	7786-30-3	0.01718%	0.0027%
			Dodecyl poly(oxyethylene) ether	9002-92-0	3E-05%	1E-05%
			Calcium chloride	10043-52-4	0.00255%	0.0004%
			Quartz, Crystalline silica	14808-60-7	98.13922%	15.43835%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00041%	6E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	2E-05%	1E-05%
			Polyethylene glycol monohexyl ether	31726-34-8	0.04882%	0.00768%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.09614%	0.01512%
			Solid Unsaturated Polyester Resin	39382-21-3	3E-05%	1E-05%
			Glass fibers	60676-86-0	0.00325%	0.00051%
			Amines, dicoco alkylmethyl	61788-62-3	0.00041%	6E-05%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00407%	0.00064%
			Amines, tallow alkyl, ethoxylated	61791-26-2	8E-05%	1E-05%
			Dimethyl siloxanes and silicones	63148-62-9	9E-05%	1E-05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	1E-05%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00073%	0.00011%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00061%	0.0001%
			Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9	0.00021%	3E-05%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.0103%	0.00162%

† Proprietary Technology

0%

0%

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: 2/23/2017

E-mail Address: david_stewart@oxy.com

Title: Sr. Regulatory Advisor

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