

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:
30-015-43775

2. Well Name:
CEDAR CANYON 27 FEDERAL COM #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:27 Township:24S Range:29E
Feet from:1154 N/S Line:N
Feet from:151 E/W Line:W

5. Bottom Hole Location:
Unit:H Lot:H Section:27 Township:24S Range:29E
Feet from:1717 N/S Line:N
Feet from:194 E/W Line:E

6. latitude: longitude:
32.1923808 -103.9799255

7. County:
Eddy

9. 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: 7/26/2016 Frac Performed by: SCHLUMBERGER

12. Production Type:
O

13. Pool Code(s):
96473

14. Gross Fractured Interval:
9.079 ft to 13.583 ft

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

16. Total Volume of Fluid Pumped:
8,678,711 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)	
A286	Schlumberger	Acid Corrosion Inhibitor	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
B386T	Schlumberger	Scale Inhibitor	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
B451	Schlumberger	Demulsifier	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
B534	Schlumberger	Temporary Clay Stabilizer	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
D047	Schlumberger	AntiFoam Agent	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
F114	Schlumberger	Surfactant	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
H075	Schlumberger	Acid	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
J609V	Schlumberger	Friction Reducer	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
J627	Schlumberger	Friction Reducer	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
U042	Schlumberger	Chelating Agent	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
S100	Schlumberger	Fluid Loss Additive	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
S012-4070	Schlumberger	Propping Agent	MSDS and Non-MSDS components listed below	Listed Below		0%	0%
The trade name(s) of the additive(s) used, supply			Water (including Mix Water Supplied by Client)	CAS Not Assigned		0%	89.03257%
			Organo phosphorus salt	Proprietary		0.14178%	0.01555%
			1, 2, 3 - Propanetriol	56-81-5		0.0006%	7E-05%
			Urea	57-13-6		0.00459%	0.0005%
			Tetraasodium ethylenediaminetetraacetate	GeDerai		0.00606%	0.00066%
			Ethanol	64-17-5		1E-05%	1E-05%
			Acetic acid	64-19-7		1E-05%	1E-05%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1		0.35938%	0.03941%
			Methanol (impurity)	67-56-1		0.00031%	3E-05%
			Propan-2-ol	67-63-0		0.00549%	0.0006%
			Oxirane	75-21-8		1E-05%	1E-05%
			Propylene oxide	75-56-9		1E-05%	1E-05%
			2-Propenamid (impurity)	GeDerai		0.00023%	3E-05%
			Cinnamaldehyde	104-55-2		0.00041%	5E-05%
			Oleic acid	112-80-1		1E-05%	1E-05%
			1,4-Dioxane	123-91-1		1E-05%	1E-05%
			Acetic acid, potassium salt	GeDerai		1E-05%	1E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3		0.00016%	2E-05%
			Potassium oleate	143-18-0		1E-05%	1E-05%
			Trisodium ethylenediaminetetraacetate (impurity)	150-38-9		0.00016%	2E-05%
			Sodium sulfocyanate	540-72-7		2E-05%	1E-05%
			Dodecamethylcyclotetrasiloxane	540-97-6		1E-05%	1E-05%
			Decamethyl cyclopentasiloxane	GeDerai		1E-05%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2		1E-05%	1E-05%
			Methanesulfonic acid, hydroxy-, monosodium salt	870-72-4		0.00312%	0.00034%
			Sodium hydroxide	1310-73-2		0.00016%	2E-05%
			Sorbitan monooleate	1338-43-8		7E-05%	1E-05%
			Sodium Glycolate (impurity)	2836-32-0		0.00048%	5E-05%
			Trisodium nitrioltriacetate (impurity)	5064-31-3		8E-05%	1E-05%
			Silicon Dioxide	7631-98-9		0.00069%	0.0001%
			Sodium hydrosulfophite	7631-99-5		0.00312%	0.00034%
			Hydrochloric acid	7647-01-0		0.3208%	0.0318%
			Sodium chloride	7647-14-5		0.10344%	0.01135%
			Sodium sulfate	7757-82-6		0.00107%	0.00012%
			Copper(II) sulfate	7759-98-7		1E-05%	1E-05%
			Ammonium sulfate	7783-20-2		0.09448%	0.01036%
			Magnesium chloride	7786-30-3		0.06065%	0.00665%
			Dodecyl poly(oxyethylene) ether	9002-92-0		5E-05%	1E-05%
			Methyl oxirane polymer with oxirane	GeDerai		0.00012%	1E-05%
			Ethoxylated oleic acid	9004-26-0		7E-05%	1E-05%
			Calcium chloride	10043-52-4		0.00809%	0.00089%
			2-Propenoic acid, ammonium salt	10604-69-0		2E-05%	1E-05%
			Ammonium chloride	12125-02-9		0.00033%	4E-05%
			Quartz, Crystalline silica	14809-60-7		99.77468%	10.93304%
			Polypropylene glycol	25322-69-4		0.00288%	0.00032%
			Acrylamide/ammonium acrylate copolymer	26100-47-0		0.00053%	6E-05%
			Isodecanol with-7 Moles Ethylene Oxide	26183-52-8		0.0063%	7E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2		4E-05%	1E-05%
			Polyethylene glycol monohexyl ether	31726-34-9		0.04815%	0.00528%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1		0.06973%	0.00765%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2		0.0003%	3E-05%
			Sorbitol Tetraoleate	61723-93-9		2E-05%	1E-05%
			Amines, dicoco alkylmethyl	61788-62-3		0.0004%	4E-05%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3		0.00401%	0.00044%
			Amines, tallow alkyl, ethoxylated	61791-26-2		0.00012%	1E-05%
			Dimethyl siloxanes and silicones	63148-62-9		7E-05%	1E-05%
			Disillates, petroleum, hydrotreated light	64742-47-8		0.00069%	8E-05%
			Alkyl (C10-C14) alcohols, ethoxylated	66455-15-0		6E-05%	1E-05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7		1E-05%	1E-05%
			Alcohols, C10-C16, ethoxylated	68002-97-1		1E-05%	1E-05%
			Phenol, 4,4'-(1-methylethylene)bis-, polymer with 2-chloromethylloxirane, 2-methyloxirane and oxirane	68123-18-2		0.00024%	3E-05%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9		0.00113%	0.00012%
			Alcohols, C12-C14, ethoxylated	68439-50-9		1E-05%	1E-05%
			Alcohols, C12-C16, ethoxylated	68551-12-2		0.00095%	0.0001%
			Alcohol, C11-14, ethoxylated	78330-21-9		6E-05%	1E-05%
			C14 alpha olefin ethoxylate	84133-50-6		1E-05%	1E-05%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8		0.00747%	0.00082%

† 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: 8/29/2016

E-mail Address: david_stewart@oxy.com

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