

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:
30-015-43645

2. Well Name:
CEDAR CANYON 28 27 FEDERAL COM #005H

3. Well Number:
005H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:H Lot:H Section:29 Township:24S Range:29E
Feet from:1890 N/S Line:N
Feet from:180 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot: Section:27 Township:24S Range:29E
Feet from:2569 N/S Line:S
Feet from:158 E/W Line:E

6. latitude:
32.18020719 longitude:
-103.89667

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:
3/27/2017 Frac Performed by:
Schlumberger

12. Production Type:
O

13. Pool Code(s):
96473

14. Gross Fractured Interval:
8,626 ft to 18,482 ft

15. True Vertical Depth (TVD):
8,733 ft

16. Total Volume of Fluid Pumped:
15,117.728 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, Water Gelling Agent, Surfactant, Acid, Breaker, Friction Reducer, Chelatin	Water (Including Mix Water Supplied by Client)*	CAS Not Assigned		88.28655%
			Quartz, Crystalline silica	14808-60-7	98.50483%	11.53832%
			Hydrochloric acid	7647-01-0	0.63432%	0.0743%
			Guar gum	9000-30-0	0.59843%	0.0701%
			Diammonium peroxodisulphate	7727-54-0	0.07799%	0.00914%
			Ammonium sulfate	7783-20-2	0.05733%	0.00672%
			Polyethylene glycol monohexyl ether	31726-34-8	0.04529%	0.00531%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.04232%	0.00496%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00787%	0.00092%
			Tetrasodium ethylenediaminetetraacetate	GeOeral	0.00568%	0.00067%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00453%	0.00053%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00377%	0.00044%
			Propan-2-ol	67-63-0	0.00355%	0.00042%
			Urea	57-13-6	0.00278%	0.00033%
			Heavy aromatic naphtha	64742-94-5	0.00245%	0.00029%
			Silicon Dioxide	7631-86-9	0.00221%	0.00026%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00109%	0.00013%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00091%	0.00011%
			Sodium sulfate	7757-82-6	0.00065%	8E-05%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00061%	7E-05%
			Formaldehyde, polymer with methyloxirane, 4-nonylphenol and oxirane	63428-92-2	0.00053%	6E-05%
			Sodium Glycolate (impurity)	2836-32-0	0.00045%	5E-05%
			Cinnamaldehyde	104-55-2	0.0004%	5E-05%
			Amines, dicoco alkylmethyl	61788-62-3	0.00038%	4E-05%
			Naphthalene	91-20-3	0.00029%	3E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00024%	3E-05%
			1,2,4 trimethylbenzene	95-63-6	0.00019%	2E-05%
			Sodium hydroxide	1310-73-2	0.00015%	2E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00015%	2E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00015%	2E-05%
			2-Propenamid (impurity)	GeOeral	0.00014%	2E-05%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00012%	1E-05%
			poly(tetrafluoroethylene)	9002-84-0	0.0001%	1E-05%
			Trisodium nitriotriacetate (impurity)	5064-31-3	8E-05%	1E-05%
			4-nonylphenol, ethoxylated	26027-38-3	5E-05%	1E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	5E-05%	1E-05%
			Dimethyl siloxanes and silicones	63148-62-9	4E-05%	1E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	4E-05%	1E-05%
			Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, 2-methyloxirane, 4-nonylphenol and oxirane	68188-99-8	3E-05%	1E-05%
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	1E-05%
			Octamethylcyclotetrasiloxane	556-67-2	1E-05%	1E-05%
			Decamethyl cyclopentasiloxane	GeOeral	1E-05%	1E-05%
			Copper(II) sulfate	7758-98-7	1E-05%	1E-05%
			Dodecamethylcyclohexasiloxane	540-97-6	1E-05%	1E-05%
			Potassium hydroxide	1310-58-3	1E-05%	1E-05%
			Ethylbenzene (impurity)	100-41-4	1E-05%	1E-05%
			Acetic acid, potassium salt	GeOeral	1E-05%	1E-05%

† 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
Date: 5/9/2017
E-mail Address: david_stewart@oxy.com

Printed Name: David Stewart

Title: Sr. Regulatory Advisor

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