

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:
30-015-43076

2. Well Name:
CYPRESS 34 FEDERAL #010H

3. Well Number:
010H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:34 Township:23S Range:29E
Feet from:210 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:34 Township:23S Range:29E
Feet from:148 N/S Line:S
Feet from:554 E/W Line:W

6. latitude: 32.2680252058441 longitude: -103.980104823324

7. County:
Eddy

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

9. OGRID: 16696

10. Phone Number: 713-366-5069

11. Last Fracture Date: 9/16/2015 Frac Performed by: SCHLUMBERGER

12. Production Type:
O

13. Pool Code(s):
11520

14. Gross Fractured Interval:
9,089 ft to 13,232 ft

15. True Vertical Depth (TVD):
8,749 ft

16. Total Volume of Fluid Pumped:
2,241,857 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)
HCL 7.5, Treated Water, Slickwater, YF115FlexD, WF	Schlumberger	Acid Corrosion Inhibitor, Scale Inhibitor, Water Gelling Agent, Temporary Clay Stabilizer, Surfactant	Water (Including Mix Water Supplied by Client)*	NA	0%	73.96285%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	7E-05%	2E-05%
			Guar gum	9000-30-0	0.46233%	0.12038%
			Hydrochloric acid	7647-01-0	0.29223%	0.07609%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.12123%	0.03156%
			Glutaraldehyde	111-30-8	0.10265%	0.02673%
			2-Ethylhexanol ethoxylate	26468-86-0	0.04404%	0.01147%
			Diammonium peroxodisulphate	7727-54-0	0.04384%	0.01142%
			Ethylene Glycol	107-21-1	0.04119%	0.01073%
			Sodium chloride	7647-14-5	0.02737%	0.00713%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.02179%	0.00567%
			Magnesium chloride	7786-30-3	0.02151%	0.0056%
			SODIUM SALT OF POLYMALEIC ACID COPOLYMER	111560-38-4	0.01767%	0.0046%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.0166%	0.00432%
			Ammonium chloride	12125-02-9	0.01038%	0.0027%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.00921%	0.0024%
			Propan-2-ol	67-63-0	0.00588%	0.00153%
			Calcium chloride	10043-52-4	0.00587%	0.00153%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00574%	0.00149%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00209%	0.00054%
			Sorbitan monooleate	1338-43-8	0.00208%	0.00054%
			Ethoxylated oleic acid	9004-96-0	0.00208%	0.00054%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00205%	0.00053%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00173%	0.00045%
			Decyl-dimethyl amine oxide	2605-79-0	0.00143%	0.00037%
			Silicon Dioxide	7631-86-9	0.00126%	0.00033%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00117%	0.00031%
			Cinnamaldehyde	104-55-2	0.00076%	0.0002%
			Sodium Glycolate (impurity)	2836-32-0	0.00075%	0.00019%
			Sorbitol Tetraoleate	61723-83-9	0.00062%	0.00016%
			Sodium sulfocyanate	540-72-7	0.00054%	0.00014%
			2-Propenoic acid, ammonium salt	10604-69-0	0.00051%	0.00013%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00042%	0.00011%
			MAGNESIUM SULFATE	7487-88-9	0.00039%	0.0001%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00031%	8E-05%
			C14 alpha olefin ethoxylate	84133-50-6	0.00031%	8E-05%
			Sodium hydroxide	1310-73-2	0.00025%	6E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00025%	6E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00025%	6E-05%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00022%	6E-05%
			Magnesium silicate hydrate (taic)	14807-96-6	0.00018%	5E-05%
			Trisodium nitriotriacetate (impurity)	5064-31-3	0.00012%	3E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	9E-05%	2E-05%
			2-Propenamid (impurity)	79-06-1	9E-05%	2E-05%
			poly(tetrafluoroethylene)	9002-84-0	7E-05%	2E-05%
			Quartz, Crystalline silica	14808-60-7	98.73065%	25.70664%

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: 10/22/2015

E-mail Address: david_stewart@oxy.com

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