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: 30-015-41409
2. Well Name: IVORE 35 FEDERAL COM #002H
3. Well Number: 002H
4. Surface Hole Location: Unit:H Lat:H Section:35 Township:18S Range:30E Feet from:1575 N/S Line:N Feet from:75 E/W Line:E
5. Bottom Hole Location: Unit:E Lat:E Section:35 Township:18S Range:30E Feet from:1750 N/S Line:N Feet from:189 E/W Line:W
6. latitude: 32.7068825 longitude: -103.9343567
7. County: Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

8. Operator Name and Address:
OXY USA WTP LIMITED PARTNERSHIP
PO Box 4294
Houston 77210

9. OGRID: 192463
10. Phone Number: 713-366-5716

11. Last Fracture Date: 11/6/2015 Frac Performed by: SCHLUMBERGER

12. Production Type: O

13. Pool Code(s): 96836

14. Gross Fractured Interval: 8,064 ft to 13,001 ft

15. True Vertical Depth (TVD): 8,495 ft

16. Total Volume of Fluid Pumped: 3,073,521 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)
Slickwater, HCL 7.5, Treated Water, WF115, YF115FI	Schlumberger	Acid Corrosion Inhibitor, Demulsifier, Scale Inhibitor, Water Gelling Agent, Temporary Clay Stabiliz	Water (Including Mix Water Supplied by Client)*	NA	0%	80.59%
			1, 2, 3 - Propanetriol	56-51-5	0%	0%
			Tetrasodium ethylenediaminetetraacetate (impurity)	0e0e1a	0.01%	0%
			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	0.15%	0.03%
			Propan-2-ol	67-63-0	0%	0%
			Oxirane	75-21-8	1E-05%	1E-05%
			Propylene oxide	75-56-9	1E-05%	1E-05%
			2-Propenamid (impurity)	0e0e1a	0%	0%
			Cinnamaldehyde	104-55-2	0%	0%
			Ethylene Glycol	107-21-1	0.05%	0.01%
			Oleic acid	112-80-1	1E-05%	1E-05%
			1,4-Dioxane	123-91-1	1E-05%	1E-05%
			Acetic acid, potassium salt	0e0e1a	1E-05%	1E-05%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0%	0%
			Potassium oleate	143-18-0	1E-05%	1E-05%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0%	0%
			Dimethyl sulfoxide	67-68-5	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Sorbitan monooleate	1338-43-8	0%	0%
			Dec-2-dimethyl amine oxide	2605-79-0	0%	0%
			Sodium glycolate (impurity)	2836-32-0	0%	0%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0%	0%
			Magnesium Sulfate	7487-88-9	0%	0%
			Silicon Dioxide	7631-86-9	0%	0%
			Sodium chloride	7647-14-5	0.03%	0.01%
			Diammonium peroxidisulphate	7727-54-0	0.05%	0.01%
			Magnesium chloride	7786-30-3	0.03%	0.01%
			Guar gum	9000-30-0	0.47%	0.09%
			poly(tetrafluoroethylene)	9002-84-0	0%	0%
			Dodecyl polyoxyethylenes ether	9002-92-0	0%	0%
			Methyl oxirane polymer with oxirane	0e0e1a	0%	0%
			Ethoxylated oleic acid	9004-96-0	0%	0%
			Calcium chloride	10043-52-4	0.01%	0%
			2-Propenoic acid, ammonium salt	10604-69-0	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Magnesium silicate hydrate (talc)	14807-96-6	0%	0%
			Quartz, Crystalline silica	14808-60-7	99.1%	19.24%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01%	0%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.01%	0%
			Nonylphenol with 7 Moles Ethylene Oxide	26183-52-8	0%	0%
			2-Ethylhexanol ethoxylate	26468-86-0	0.04%	0.01%
			Alcohols, polyethylene, monotetradecyl ether	27306-78-2	0%	0%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0%	0%
			Sorbitol Tetraoleate	61723-83-9	0%	0%
			Docoo dimethyl quaternary ammonium chloride	61789-77-3	0%	0%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0%	0%
			Petroleum	64742-47-8	0.31%	0%
			Alcoh (C10-C14) alcohols, ethoxylated	66455-15-0	0%	0%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0%	0%
			Crosslinked POEO-block polymer	68123-18-2	0%	0%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0%	0%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0%	0%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0%	0%
			C14 alpha olefin ethoxylate	84133-50-6	0%	0%
			SODIUM SALT OF POLYMALEIC ACID COPOLYMER	111560-38-4	0.02%	0%
			Water		0%	0%

I (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: 10/7/2016
E-mail Address: david_stewart@oxy.com

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