

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 February 15, 2012

1. WELL API NO.  
30-015-40669

2. Well Name:  
ARTESIA YESO FEDERAL UNIT #001

3. Well Number:  
001

**HYDRAULIC FRACTURING FLUID  
DISCLOSURE**

Original  
 Amendment

4. Surface Hole Location:  
Unit:D Lot:D Section:21 Township:17S Range:28E  
Feet from: 727 N/S Line:N  
Feet from: 462 E/W Line:W

5. Bottom Hole Location:  
Unit:D Lot:D Section:21 Township:17S Range:28E  
Feet from: 727 N/S Line:N  
Feet from: 462 E/W Line:W

6. Latitude: 32.8249282712514 Longitude: 104.187732477364

7. County:  
Eddy

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

9. OGRID: 192463 10. Phone Number: 713-366-5485

11. Last Fracture Date: 2/14/2013 Frac Performed by: HALLIBURTON

12. Production Type:  
O

13. Pool Code(s): 96830

14. Gross Fractured Interval: 3,523 ft to 4,691 ft

15. True Vertical Depth (TVD): 4,947 ft

16. Total Volume of Fluid Pumped: 83,798 gals

**17. 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)
Fresh Water	Operator				100%	45.28988%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	1.33707%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.03687%
SAND - PREMIUM BROWN	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	46.79288%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00537%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.10649%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched Ethylene glycol monobutyl ether	95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	1% 60% 30% 5% 5%	0.00228% 0.13684% 0.06842% 0.0114% 0.0114%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.08834%
CL-22 UC	Halliburton	Crosslinker	Acetic acid	64-19-7	10%	0.01472%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.1462%
			Potassium hydroxide	1310-58-3	5%	0.00569%
			Potassium metaborate	13709-94-9	60%	0.0683%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.02643%
SCALECHECK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.13595%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential Business Information	100%	0.19093%
			Butyl glycidyl ether	2426-08-6	30%	0.05728%
			Butyl lactate	139-22-7	10%	0.01909%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.09888%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.09888%
			Phosphate ester	Confidential Business Information	10%	0.01648%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.04329%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.73676%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00648%
			Crystalline silica, quartz	14808-60-7	30%	0.00194%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00259%
Ingredients Listed Below This Line Are Part of the			1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-[(4-sulfoxyphenyl)-4-[(4-sulfoxyphenyl)azo]-, trisodium salt	1934-21-0	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfuryl-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%
			2,7-Naphthalenedisulfonic acid, 5-(acetilamino)-4-hydroxy-3-[(2-methoxyphenyl)azo]-, disodium salt	6625-46-3	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfoxyphenyl)azo]-, disodium salt	2783-94-0	0%	0%
			Acrylate Polymer	Proprietary	0%	0%
			Amine Salts	75-57-0	0%	0%
			Amine Salts	593-81-7	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-88-4	0%	0%
			Borate salts	92908-33-3	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Mixture	0%	0%
			Ethylenediamine	107-15-3	0%	0%
			FD&C Blue 1	3844-45-9	0%	0%
			Food red 10	3734-67-6	0%	0%
			Organo Amino Silane	1760-24-3	0%	0%
			Oxyalkylated Phenolic Resin	29316-47-0	0%	0%
			Oxyalkylated Phenolic Resin	63428-92-2	0%	0%
			Phosphoric acid	7664-38-2	0%	0%
			Quaternary Amine	34004-36-9	0%	0%
			Quaternary Amine	3327-22-8	0%	0%
			Quaternary Amine	75-50-3	0%	0%
			Quaternary Amine	177149-89-2	0%	0%
			Silica gel	112826-00-8	0%	0%
			Siloxanes and siloxanes, dimethyl	63148-52-7	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant Mixture	67254-71-1	0%	0%
			Surfactant Mixture	56449-46-8	0%	0%
			Water	7732-18-5	0%	0%

18. 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: Keith Barton Regulatory Team Title: Leader

Date: 10/2/2013

E-mail Address: keith\_barton@oxy.com

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