

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

HYDRAULIC FRACTURING FLUID  
DISCLOSURE

☒ Original  
☐ Amendment

1. WELL API NO:  
30-015-41328

2. Well Name:  
ARTESIA YESO FEDERAL UNIT #022

3. Well Number:  
022

4. Surface Hole Location:  
Unit:G Lot:G Section:21 Township:17S Range:28E  
Feet from:1500 N/S Line:N  
Feet from:2083 E/W Line:E

5. Bottom Hole Location:  
Unit:G Lot:G Section:21 Township:17S Range:28E  
Feet from:1500 N/S Line:N  
Feet from:2083 E/W Line:E

6. latitude: 32.822917723475 longitude: -104.179024849693

7. County:  
Eddy

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

9. OGRID: 192463

10. Phone Number: 713-366-5069

11. Last Fracture Date: 7/3/2014 Frac Performed by: Nabors Completion and Production Services

12. Production Type:  
O

13. Pool Code(s):  
96830

14. Gross Fractured Interval:  
4,067 ft to 4,798 ft

15. True Vertical Depth (TVD):  
4,897 ft

16. Total Volume of Fluid Pumped:  
26,923 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)
Water	OCCIDENTAL PETROLEUM	Water	Water	7732-18-5	100%	26.29154%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	0.00063%
			1-OCTANOL	111-87-5	2.5%	0.00031%
			2-Butoxyethanol	111-76-2	7%	0.00088%
			Cinnamaldehyde	104-55-2	6%	0.00075%
			Ethoxylated Nonyphenol	68412-54-4	5%	0.00063%
			Ethylene Glycol	107-21-1	40%	0.00502%
			Isopropyl Alcohol	67-63-0	2.5%	0.00031%
			N,N-Dimethylformamide	68-12-2	20%	0.00251%
HCl Acid (12.5-18.0%), 22 Baume	Nabors Completion and Production Services	Bulk Acid	22° Baume Hydrochloric Acid	78-40-0 7647-01-0	2.5% 100%	0.00031% 0.33196%
ClayTreat LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	100%	0.40572%
WFR-5W	Nabors Completion and Production Services	Friction Reducer	Ethoxylated alcohol blend	Proprietary	5%	0.05732%
			Hydrotreated paraffinic solvent	64742-47-8	30%	0.34391%
Breaker FR	Nabors Completion and Production Services	Gel Breakers	Aliphatic Acid	Proprietary	20%	0.11461%
Super OW 3	Nabors Completion and Production Services	Surfactants & Foamers	ferrous sulfate	7782-63-0	20%	0.11461%
			Dimethylcocoamine, bis (chloroethyl) ether, diquaternary ammonium salt	68607-28-3	60%	0.0032%
			Isopropyl Alcohol	67-63-0	60%	0.0032%
TX Specific 100 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Methanol	67-56-1	30%	0.0016%
			Aluminum Oxide	1344-28-1	1.1%	0.03905%
			Crystalline Silica, quartz	14808-60-7	99.9%	3.54667%
			Iron Oxide	1309-37-1	0.1%	0.00355%
TX Specific 40/70 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Titanium Oxide	13463-67-7	0.1%	0.00355%
			Aluminum Oxide	1344-28-1	1.1%	0.70754%
			Crystalline Silica, quartz	14808-60-7	99.9%	64.25773%
			Iron Oxide	1309-37-1	0.1%	0.06432%
IC-500	Nabors Completion and Production Services	Iron Control Additives	Titanium Oxide	13463-67-7	0.1%	0.06432%
			2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.0145%
			Aqua Ammonia	1336-21-6	5%	0.00097%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Cupric Chloride	10125-13-0	7%	0.00135%
			Aliphatic Hydrocarbons	Proprietary	95%	0.08824%
			Dodecane	Proprietary	14%	0.013%
			tetradecane	Proprietary	11%	0.01022%
			Tridecane	Proprietary	9%	0.00836%
Super TSC 2 LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	Undecane	Proprietary	8%	0.00743%
			AMINO METHYLENE PHOSPHONIC ACID SALT	68649-44-5	100%	0.16355%
AQUCAR DB 20	Nabors Completion and Production Services	Biocides	Methanol	67-56-1	100%	0.60351%
			2,2-Dibromo-3-nitrilo-propionamide (DBNPA)	10222-01-2	20%	0.05713%
			Dibromoacetoneitrile	3252-43-5	3%	0.00857%
			Polyethylene glycol	25322-68-3	54.5%	0.15567%
Super Stim-340 E	Nabors Completion and Production Services	Surfactants & Foamers	Sodium bromide	7647-15-6	4%	0.01143%
			DI water	7732-18-5	90%	1.06825%

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: Jennifer Duarte

Title: Regulatory Specialist

Date: 12/18/2014

E-mail Address: jennifer\_duarte@oxy.com

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