

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. 30-015-41060				
		2. Well Name: OSAGE 18 FEDERAL #001H				
		3. Well Number: 001H				
		4. Surface Hole Location: Unit:P Lot:P Section:18 Township:20S Range:25E Feet from:330 N/S Line:S Feet from:660 E/W Line:E				
5. Bottom Hole Location: Unit:P Lot:P Section:18 Township:20S Range:25E Feet from:330 N/S Line:S Feet from:660 E/W Line:E		6. latitude: 32.5672328776544				
7. longitude: -104.517645007354		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: 4/16/2014 Frac Performed by: Nabors Completion and Production Services		12. Production Type: O				
13. Pool Code(s): 97565		14. Gross Fractured Interval: 2,914 ft to 6,755 ft				
15. True Vertical Depth (TVD): 2,498 ft		16. Total Volume of Fluid Pumped: 976,164 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%	42.48417%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.24677%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	0.00014%
			1-OCTANOL	111-87-5	2.5%	7E-05%
			2-Butoxyethanol	111-76-2	7%	0.0002%
			Cinnamaldehyde	104-55-2	6%	0.00017%
			Ethoxylated Nonyphenol	68412-54-4	5%	0.00014%
			Ethylene Glycol	107-21-1	40%	0.00112%
			Isopropyl Alcohol	67-63-0	2.5%	7E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.00056%
KR-153SL	Nabors Completion and Production Services	Biocides	Triethyl Phosphate	78-40-0	2.5%	7E-05%
			2,2-dibromo-3-nitripropionamide	10222-01-2	20%	0.00215%
ClayTreat LT	Nabors Completion and Production Services	Clay Control Additives	Polyethylene-Glycol	25322-68-3	50%	0.00538%
			Water	7732-18-5	65%	0.0169%
OB Breaker	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.0022%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.07991%
			Petroleum Distillates	64742-47-8	60%	0.09589%
Super LT Resin Activator	Nabors Completion and Production Services	Proppants - Manufactured	Surfactant	68439-51-0	2%	0.0032%
			Isopropyl Alcohol	67-63-0	60%	0.0362%
Super GREEN SOLV	Nabors Completion and Production Services	Paraffin & Scale Additives	Proprietary	Proprietary	80%	0.04827%
			BTEx Free Aliphatic Hydrocarbon	64742-96-7	100%	0.00385%
Super OW 3	Nabors Completion and Production Services	Surfactants & Foamers	Dimethylcocoamine, bis (chloroethyl) ether, diquaternary ammonium salt	68607-28-3	60%	0.00071%
			Isopropyl Alcohol	67-63-0	60%	0.00071%
			Methanol	67-56-1	30%	0.00036%
			Aluminum Oxide	1344-28-1	1.1%	0.05907%
TX Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Crystalline Silica, quartz	14808-60-7	99.9%	5.36427%
			Iron Oxide	1309-37-1	0.1%	0.00537%
			Titanium Oxide	13463-67-7	0.1%	0.00537%
			Aluminum Oxide	1344-28-1	1.1%	0.00118%
TX Specific 40/70 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Crystalline Silica, quartz	14808-60-7	99.9%	0.10677%
			Iron Oxide	1309-37-1	0.1%	0.00011%
			Titanium Oxide	13463-67-7	0.1%	0.00011%
			Ethylene Glycol	107-21-1	10%	0.00668%
XL-11	Nabors Completion and Production Services	Cross-linkers	Potassium Hydroxide	1310-58-3	5%	0.00334%
			Potassium Metaborate	13709-94-9	30%	0.02004%
			Water	7732-18-5	75%	0.0501%
			Alcohol Ethoxylate Surfactants	Proprietary	20%	0.01465%
Super Stim-240 E	Nabors Completion and Production Services	Surfactants & Foamers	Methyl Alcohol	67-56-1	20%	0.01465%
			Water	7732-18-5	80%	0.0586%
			Water	7732-18-5	60%	0.00524%
SUPER TSC-LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	Water	7732-18-5		
IC-500	Nabors Completion and Production Services	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.00323%
			Aqua Ammonia	1336-21-6	5%	0.00022%
			Cupric Chloride	10125-13-0	7%	0.0003%
Momentive SiberProp 20/40	Nabors Completion and Production Services	Proppants - Manufactured - Momentive	Crystalline Quartz, Silica	14808-60-7	89%	44.71712%
EXP-F0829-13	Nabors Completion and Production Services	Gel Breakers	phenolic resin	9003-35-4	20%	10.04879%
			Hemicellulase Enzyme	Proprietary	1%	4E-05%
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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