

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. 30-015-41233				
		2. Well Name: MCHAM 34 STATE #004				
		3. Well Number: 004				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:G Lot:G Section:34 Township:17S Range:28E Feet from:2105 N/S Line:N Feet from:2233 E/W Line:E				
		5. Bottom Hole Location: Unit:G Lot:G Section:34 Township:17S Range:28E Feet from:2105 N/S Line:N Feet from:2233 E/W Line:E				
		6. Latitude: 32.7926964292476 longitude: 104.162783236953				
		7. County: Eddy				
8. Operator Name and Address: OCCIDENTAL PERMIAN LTD PO Box 4294 Houston 77210		9. OGRID: 157984		10. Phone Number: 713-366-5485		
11. Last Fracture Date: 4/11/2014 Frac Performed by: Nabors Completion and Production Services		12. Production Type: O				
13. Pool Code(s): 96830		14. Gross Fractured Interval: 4,640 ft to 5,222 ft				
15. True Vertical Depth (TVD): 5,313 ft		16. Total Volume of Fluid Pumped: 1,298,304 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%	95.60634%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.11134%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	6E-05%
			1-OCTANOL	111-87-5	2.5%	3E-05%
			2-Butoxyethanol	111-76-2	7%	9E-05%
			Cinnamaldehyde	104-55-2	6%	8E-05%
			Ethoxylated Nonyphenol	68412-54-4	5%	6E-05%
			Ethylene Glycol	107-21-1	40%	0.0005%
			Isopropyl Alcohol	67-63-0	2.5%	3E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.00025%
Triethyl Phosphate	78-40-0	2.5%	3E-05%			
ClayTreat LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	65%	0.06688%
WFR-5W	Nabors Completion and Production Services	Friction Reducer	Ethoxylated alcohol blend	Proprietary	5%	0.00461%
			Hydrotreated paraffinic solvent	64742-47-8	30%	0.02764%
Breaker FR	Nabors Completion and Production Services	Gel Breakers	Aliphatic Acid	Proprietary	20%	0.01127%
			ferrous sulfate	7782-63-0	20%	0.01127%
Super OW 3	Nabors Completion and Production Services	Surfactants & Foamers	Dimethylcocoamine, bis(chloroethyl) ether, diaternary ammonium salt	68607-28-3	60%	0.00032%
			Isopropyl Alcohol	67-63-0	60%	0.00032%
			Methanol	67-56-1	30%	0.00016%
TX Specific 100 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.00455%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.41299%
			Iron Oxide	1309-37-1	0.1%	0.00041%
			Titanium Oxide	13463-67-7	0.1%	0.00041%
TX Specific 40/70 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.03183%
			Crystalline Silica, quartz	14808-60-7	99.9%	2.89076%
			Iron Oxide	1309-37-1	0.1%	0.00289%
			Titanium Oxide	13463-67-7	0.1%	0.00289%
Super Stim-240 E	Nabors Completion and Production Services	Surfactants & Foamers	Alcohol Ethoxylate Surfactants	Proprietary	20%	0.01697%
			Methyl Alcohol	67-56-1	20%	0.01697%
			Water	7732-18-5	80%	0.06787%
			2,2-dibromo-3-nitrilopropionamide	10222-01-2	5.5%	0.00125%
KR-153L	Nabors Completion and Production Services	Biocides	Polyethylene-Glycol	25322-68-3	75%	0.01699%
SUPER TSC-LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	Water	7732-18-5	60%	0.05838%
IC-500	Nabors Completion and Production Services	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.00146%
			Aqua Ammonia	1336-21-6	5%	0.0001%
			Cupric Chloride	10125-13-0	7%	0.00014%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Aliphatic Hydrocarbons	Proprietary	95%	0.00772%
			Dodecane	Proprietary	14%	0.00114%
			tetradecane	Proprietary	11%	0.00089%
			Tridecane	Proprietary	9%	0.00073%
			Undecane	Proprietary	8%	0.00065%
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: 6/17/2014						
E-mail Address: jennifer_duarte@oxy.com						

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.