

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: 30-025-41735				
		2. Well Name: COPPERHEAD 18 STATE SWD #001				
		3. Well Number: 001				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:G Lot:G Section:18 Township:24S Range:33E Feet from:2310 N/S Line:N E/W Line:E Feet from:2310				
		5. Bottom Hole Location: Unit:G Lot:G Section:18 Township:24S Range:33E Feet from:2310 N/S Line:N E/W Line:E Feet from:2310				
		6. latitude: 32.2186182900734 longitude: -103.61039670347				
		7. County: Lea				
8. Operator Name and Address: OXY USA INC PO Box 4294 Houston 77210		9. OGRID: 16696	10. Phone Number: 713-366-5485			
11. Last Fracture Date: 6/1/2014 Frac Performed by: Nabors		12. Production Type: S				
13. Pool Code(s): 96100		14. Gross Fractured Interval: 5,092 ft to 6,648 ft				
15. True Vertical Depth (TVD): 6,800 ft		16. Total Volume of Fluid Pumped: 864,318 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)
15% HCL Acid	OCCIDENTAL PETROLEUM	Carrier Fluid	15% HCL Acid		100%	11.75058%
			Water	7732-18-5	100%	68.03483%
Water	OCCIDENTAL PETROLEUM	Water	15% HCL Acid		100%	11.75058%
			Water	7732-18-5	100%	68.03483%
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%	0.00019%
			Cinnamaldehyde	104-55-2	6%	0.00016%
			Ethoxylated Nonyphenol	68412-54-4	5%	0.00014%
			Ethylene Glycol	107-21-1	40%	0.00108%
			Isopropyl Alcohol	67-63-0	2.5%	7E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.00054%
			Triethyl Phosphate	78-40-0	2.5%	7E-05%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	20° Baume Hydrochloric Acid	7647-01-0	100%	0.08007%
			Water	7732-18-5	100%	0.07849%
Clay/Treat LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	65%	0.02363%
OB-2	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.01133%
			Silica, crystalline quartz	7631-86-9	10%	0.00113%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.17929%
			Petroleum Distillates	64742-47-8	60%	0.21515%
			Surfactant	68439-51-0	2%	0.00717%
Super OW 3	Nabors Completion and Production Services	Surfactants & Foamers	Dimethylcocoamine, bis (chloroethyl) ether, diquaternary ammonium salt	68607-28-3	60%	0.00069%
			Isopropyl Alcohol	67-63-0	60%	0.00069%
			Methanol	67-56-1	30%	0.00034%
TX Local 16/30 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.21059%
			Crystalline Silica, quartz	14808-60-7	99.9%	19.1256%
			Iron Oxide	1309-37-1	0.1%	0.01915%
			Titanium Oxide	13463-67-7	0.1%	0.01915%
TX Specific 30/50 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.00208%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.18903%
			Iron Oxide	1309-37-1	0.1%	0.00019%
			Titanium Oxide	13463-67-7	0.1%	0.00019%
XL-11	Nabors Completion and Production Services	Cross-linkers	Ethylene Glycol	107-21-1	10%	0.0123%
			Potassium Hydroxide	1310-58-3	5%	0.00615%
			Potassium Metaborate	13709-94-9	30%	0.03689%
			Water	7732-18-5	75%	0.09223%
IC-500	Nabors Completion and Production Services	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.00312%
			Aqua Ammonia	1336-21-6	5%	0.00021%
			Cupric Chloride	10125-13-0	7%	0.00029%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Aliphatic Hydrocarbons	Proprietary	95%	0.00626%
			Dodecane	Proprietary	14%	0.00092%
			tetradecane	Proprietary	11%	0.00073%
			Tridecane	Proprietary	9%	0.00059%
			Undecane	Proprietary	8%	0.00053%
EXP-F0829-13	Nabors Completion and Production Services	Gel Breakers	Hemicellulase Enzyme	Proprietary	1%	4E-05%
AQUCAR DB 20	Nabors Completion and Production Services	Biocides	2,2-Dibromo-3-nitrilo-propionamide (DBNPA)	10222-01-2	20%	0.00383%
			Dibromoacetoneitrile	3252-43-5	3%	0.00057%
			Polyethylene glycol	25322-68-3	54.5%	0.01043%
			Sodium bromide	7647-15-6	4%	0.00077%
Super Stim-340 E	Nabors Completion and Production Services	Surfactants & Foamers	DI water	7732-18-5	90%	0.12714%
Super TSC 2 LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	AMINO METHYLENE PHOSPHONIC ACID SALT	68649-44-5	100%	0.00382%
			Methanol	67-56-1	100%	0.01411%
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: 9/24/2014						
E-mail Address: david_stewart@oxy.com						

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