

Material Name	Description / Use	Total to Rothe 12-14-8-61 (lbs)	Used (lbs)	To Timbo Ranch 1-41-9-59 (lbs)
Aluminum Stearate	Aluminum Stearate / Used as a defoamer.	275	75	200
Aqua Bloc	Chemically modified white starch / used to control fluid loss in water based drilling fluids.	3,800	1,450	2,350
Caustic Soda	Sodium Hydroxide / Used to increase pH of the fluid and control Alkalinity.	2,100	850	1,250
Cedar Fiber	Ground and Sized cedar / Used as an lost circulation material.	4,800	1,120	3,680
Dyna Fiber	Micronized cellulosic fibers / Used to seal permeable formations.	1,900	875	1,025
DynaDet	Blend of liquid organic surfactants / Used to reduce surface tension and increase water wetting of solids.	688	0	688
Desco CF	Thinning agent / Used to satisfy the charge imbalance between particles within a drilling fluid, resulting in thinning.	1,800	25	1,775
Evolube S	Lubricant and Penetration rate enhancer / Forms a lipophilic coating on surfaces to reduce frictional forces.	2,560	2,480	80
EvoLube DPE	Lubricant and Drilling Performance enhancer / used to reduce the coefficient of friction in water based drilling fluids.	2,720	1,520	1,200
ExWATE	Precisely ground barite / used to increase the density of water drilling fluids.	147,100	99,100	48,000
FiberSeal	Mixed sized cellulose fiber / Used as a lost circulation material.	7,320	40	7,280
FlexFirm KA	Potassium Silicate / used to inhibit hydration of reactive shale and improve the stability of a wellbore.	4,450	2,000	2,450
Flowzan / Newzan	High MW polysaccharide polymer / used as a viscosifier in water based drilling fluids.	2,325	825	1,500
GSX 510	Blown Asphalt / Used for wellbore stability and fluid loss control by mechanically plugging micro fractures.	3,250	2,250	1,000
Lime	Calcium Hydroxide / Used as a calcium source and to control alkalinity.	450	0	450
NewGel HY	Finely Ground Bentonite / Used as a viscosifier and gelling agent in water based drilling fluid.	5,750	4,350	1,400
NewPHPA	Anionic Polyacrylamide polymer / Used for viscosity, shale inhibition and stabilization.	4,284	2,730	1,554
NewCarb	Ground and sized limestone / Used as a lost circulation material.	3,000	600	2,400
NewPAC R	Polyanionic cellulosic polymer / Used to control fluid loss and as a secondary function build viscosity in water based drilling fluids.	3,500	1,500	2,000
SAPP	Sodium Acid Pyrophosphate / Used to satisfy the charge imbalance between clay particles to reduce coagulation and accretion.	1,350	0	1,350
Sawdust	Pine Sawdust / Used as a lost circulation material.	0	0	0
Soap Sticks	Blend of solid organic surfactants / Used to reduce surface tension and increase water wetting of solids.	50	0	50
Soda Ash	Sodium Carbonate / Used to treat calcium and adjust alkalinity of drilling fluids.	3,400	900	2,500
Sodium Bicarbonate	Sodium Bicarbonate / Used to treat calcium and adjust alkalinity of drilling fluids.	2,300	1,300	1,000
Soltex	Sulfonated Asphalt / Used to stabilize shale chemically and also provide physical plugging of well bore fractures.	4,400	2,300	2,100
Walnut Shell	Walnut Shell / Lost circulation material used to plug fractures.	8,000	2,950	5,050