What is claimed is:

1. A method for improving oil mobility during surface well testing, the method comprising:

producing a multiphase fluid from a well;

separating a gas constituent and an oil constituent having an undesirable viscosity from the multiphase fluid;

measuring the gas constituent and the oil constituent;

injecting at least a first portion of the gas constituent into the oil constituent; and

dispersing the first portion of the gas constituent into the oil constituent to form an oil/gas mixture having a viscosity that is lower than the undesirable viscosity of the oil constituent.

2. The method as recited in claim 1 wherein separating the gas constituent and the oil constituent from the multiphase fluid further comprises separating a water constituent from the multiphase fluid.

3. The method as recited in claim 1 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the first portion of the gas constituent into the oil constituent upstream of a centrifugal pump.

4. The method as recited in claim 3 wherein dispersing the first portion of the gas constituent into the oil constituent occurs at least partially within the centrifugal pump.

5. The method as recited in claim 1 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the first portion of the gas constituent into the oil constituent through at least one nozzle.

6. The method as recited in claim 5 wherein injecting the first portion of the gas constituent into the oil constituent through at least one nozzle further comprises injecting the first portion of the gas constituent into the oil constituent through at least one venturi type nozzle.

7. The method as recited in claim 1 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the gas constituent into the oil constituent proximate to an oil burner.

8. The method as recited in claim 1 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the first portion of the gas constituent into the oil constituent upstream of a centrifugal pump and injecting a remaining portion of the gas constituent into the oil constituent proximate to an oil burner.

9. The method as recited in claim 1 further comprising burning the oil constituent having the first portion of the gas constituent dispersed therein.

10. The method as recited in claim 1 further comprising flaring a remaining portion of the gas constituent that is not dispersed in the oil constituent.

11. A method for improving oil mobility during surface well testing, the method comprising:

producing a multiphase fluid from a well;

separating a gas constituent and an oil constituent having an undesirable viscosity from the multiphase fluid in a separator;

measuring the gas constituent and the oil constituent;

injecting at least a first portion of the gas constituent into the oil constituent upstream of a centrifugal pump;

mixing the first portion of the gas constituent with the oil constituent in the centrifugal pump to disperse the first portion of the gas constituent into the oil constituent and form an oil/gas mixture having a viscosity that is lower than the undesirable viscosity of the oil constituent; and

burning the oil/gas mixture at an oil burner.

12. The method as recited in claim 11 wherein separating the gas constituent and the oil constituent from the multiphase fluid in a separator further comprises separating a water constituent from the multiphase fluid.

13. The method as recited in claim 11 wherein injecting the first portion of the gas constituent into the oil constituent upstream of the centrifugal pump further comprises injecting the gas constituent into the oil constituent upstream of the centrifugal pump.

14. The method as recited in claim 11 further comprising injecting a remaining portion of the gas constituent into the oil constituent proximate to the oil burner.

15. The method as recited in claim 11 further comprising flaring a remaining portion of the gas constituent that is not dispersed in the oil constituent.

16. A method for improving combustion efficiency of oil during surface well testing, the method comprising:

producing a multiphase fluid from a well;

separating a gas constituent and an oil constituent from the multiphase fluid in a separator;

measuring the gas constituent and the oil constituent;

injecting at least a first portion of the gas constituent into the oil constituent;

dispersing the first portion of the gas constituent into the oil constituent to form an oil/gas mixture; and

burning the oil/gas mixture at an oil burner.

17. The method as recited in claim 16 wherein separating the gas constituent and the oil constituent from the multiphase fluid further comprises separating a water constituent from the multiphase fluid.

18. The method as recited in claim 16 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the first portion of the gas constituent tangentially into the oil constituent.

19. The method as recited in claim 16 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the first portion of the gas constituent into the oil constituent through at least one nozzle.

20. The method as recited in claim 16 wherein injecting the first portion of the gas constituent into the oil constituent further comprises injecting the first portion of the gas constituent into the oil constituent proximate to the oil burner.

What is claimed is:

1. A method for improving oil mobility during surface well testing, the method comprising:

producing a multiphase fluid from a well;

separating a hydrocarbon gas constituent and an oil constituent having a first viscosity from the multiphase fluid in a surface well testing facility;

measuring the separated hydrocarbon gas constituent and the separated oil constituent;

injecting a first portion of the separated hydrocarbon gas constituent into the separated oil constituent;

dispersing the first portion of the separated hydrocarbon gas constituent into the separated oil constituent to form an oil/hydrocarbon gas mixture having a second viscosity that is lower than the first viscosity of the separated oil constituent, thereby improving oil mobility during surface well testing;

flaring a second portion of the separated hydrocarbon gas constituent;

injecting air into the oil/hydrocarbon gas mixture upstream of an oil burner; and

burning the oil/hydrocarbon gas mixture at the oil burner.

2. The method as recited in claim 1 wherein separating the hydrocarbon gas constituent and the oil constituent from the multiphase fluid further comprises separating a water constituent from the multiphase fluid.

3. The method as recited in claim 1 wherein injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent further comprises injecting

the first portion of the separated hydrocarbon gas constituent into the separated oil constituent upstream of a centrifugal pump.

4. The method as recited in claim 3 wherein dispersing the first portion of the separated hydrocarbon gas constituent into the separated oil constituent occurs at least partially within the centrifugal pump.

5. The method as recited in claim 1 wherein injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent further comprises injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent through at least one nozzle.

6. The method as recited in claim 5 wherein injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent through at least one nozzle further comprises injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent through at least one venturi type nozzle.

7. The method as recited in claim 1 wherein injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent further comprises injecting the separated hydrocarbon gas constituent into the separated oil constituent proximate to an oil burner.

8. The method as recited in claim 1 wherein injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent further comprises injecting the first portion of the separated hydrocarbon gas constituent into the separated oil constituent upstream of a centrifugal pump and injecting a remaining portion of the separated hydrocarbon gas constituent into the separated oil constituent proximate to an oil burner.

9. A method for improving oil mobility during surface well testing, the method comprising:

producing a multiphase fluid from a well;

separating a hydrocarbon gas constituent and an oil constituent having a first viscosity from the multiphase fluid in a separator in a surface well testing facility;

measuring the separated hydrocarbon gas constituent and the separated oil constituent;

injecting a first portion of the separated hydrocarbon gas constituent into the separated oil constituent upstream of a centrifugal pump;

mixing the first portion of the separated hydrocarbon gas constituent with the separated oil constituent in the centrifugal pump to disperse the first portion of the separated hydrocarbon gas constituent into the separated oil constituent and form an oil/hydrocarbon gas mixture having a viscosity that is lower than the first viscosity of the separated oil constituent, thereby improving oil mobility during surface well testing;

flaring a second portion of the separated hydrocarbon gas constituent;

injecting air into the oil/hydrocarbon gas mixture upstream of an oil burner; and

burning the oil/hydrocarbon gas mixture at the oil burner.

10. The method as recited in claim 9 wherein separating the hydrocarbon gas constituent and the oil constituent from the multiphase fluid in a separator further comprises separating a water constituent from the multiphase fluid.

11. The method as recited in claim 9 further comprising injecting a remaining portion of the separated hydrocarbon gas constituent into the separated oil constituent proximate to the oil burner.