COPELAND Acid & Cement

TREATMENT REPORT

Acid Stage No. _____

Date 9/20/2016 District G.B. F.O. No. C44264

Company Mike Kelso Oil

Well Name & No. FHW Wierman 15-1

Location 15-17-21 Field _____

County Ness State KS

Casing: Size 8 5/8" Type & Wt. _____ Set at _____ ft.

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.

Cemented: Yes Perforated from _____ ft. to _____ ft.

Tubing: Size & Wt. _____ Swung at _____ ft.

Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment:	Amt.		Type Fluid	Sand Size	Pounds of Sand
Bkdown		Bbl./Gal.			
		Bbl./Gal.			
		Bbl./Gal.			
		Bbl./Gal.			
Flush		Bbl./Gal.			

Treated from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks. No. Used: Std. 365 Sp. _____ Twin _____

Auxiliary Equipment 327

Personnel Nathan-Mike-Greg-Aron

Auxiliary Tools _____

Plugging or Sealing Materials: Type _____

_____ Gals. _____ lb.

Company Representative Mike K. **Treater** Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
a.m./p.m.	Tubing	Casing		
1:45		8 5/8"		On Location.
				Hole-325'
				Pipe-325'
				Break circulation with mud pump.
				Mix 250sks 60/40poz 2% Gel 3% Calcium Chloride.
4:30				Displace with 19bbls at 4bpm-200# Circulated cement to surface.
				Thank You!
				Nathan W.

COPELAND Acid & Cement

TREATMENT REPORT

Acid Stage No.

Date 9/30/2016 District G.B. F.O. No. C44272

Company Mike Kelso Oil

Well Name & No. Wierman 15-1

Location Field

County Ness State KS

Casing: Size Type & Wt. Set at ft.

Formation Perf. to

Formation Perf. to

Formation Perf. to

Liner: Size Type & Wt. Top at ft. Bottom at ft.

Cemented: Yes Perforated from ft. to ft.

Tubing: Size & Wt. Swung at ft.

Perforated from ft. to ft.

Open Hole Size T.D. ft. P.B. to ft.

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Breakdown		Bbl./Gal.		
		Bbl./Gal.		
		Bbl./Gal.		
		Bbl./Gal.		
Flush		Bbl./Gal.		

Treated from ft. to ft. No. ft. 0

from ft. to ft. No. ft. 0

from ft. to ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: Bbl./Gal.

Pump Trucks: No. Used: Std. 365 Sp. Twin

Auxiliary Equipment 165/308

Personnel Nathan-Jordan-Aaron

Auxiliary Tools

Plugging or Sealing Materials: Type Gals. lb.

Company Representative Trailer Nathan W.

TIME a.m./p.m.	PRESSURES Tubing	PRESSURES Casing	Total Fluid Pumped	REMARKS
12:45				On Location. Rig laying down pipe.
				Mix 50sks 60/40poz 4%gel .25#/sk Flow-Seal at 1530'
				Mix 80sks at 800'
				Mix 50sks at 360'
				Mix 20sks at 60'. Circulated cement to surface.
				Plug Rat Hole with 30sks.
				Thank You!
				Nathan W.