



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 PFEIFERTRUST1-8DST1

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
 Elevation 2590 KB Formation Lansing "B" Effective Pay _____ Ft. Ticket No. T582
 Date 12-15-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
 Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 3,923 ft. to 3,946 ft. Total Depth 3,946 ft.
 Packer Depth 3,918 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,923 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,909 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 3,943 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.2 Water Loss 7.6 cc. Drill Pipe Length 3,773 ft I.D. 3 1/2 in.
 Chlorides 2,500 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 23 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing to 6 1/4 ins. 1/4 in. blow back during shut-in.
 2nd Open: Weak, surface blow increasing to 6 ins. Weak, surface blow back during shut-in.

Recovered 145 ft. of mud cut water = 1.486130 bbls. (Grind out: 91%-water; 9%-mud)
 Recovered 60 ft. of muddy water = .295200 bbls. (Grind out: 69%-water; 31%-mud)
 Recovered 205 ft. of TOTAL FLUID = 1.781330 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 94%-water; 6%-mud (Chlorides: 46,000 Ppm PH: 6.0 RW: .25 @ 46°)

Time Set Packer(s) 10:49 A.M. Time Started off Bottom 1:49 P.M. Maximum Temperature 117°
 Initial Hydrostatic Pressure.....(A) 1915 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 73 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 1067 P.S.I.
 Final Flow Period.....Minutes 45 (E) 74 P.S.I. to (F) 106 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 1008 P.S.I.
 Final Hydrostatic Pressure.....(H) 1913 P.S.I.

DIAMOND TESTING, LLC**TESTER : TIM VENTERS
CELL # 620-388-6333****General Information**

Company Name	R. L. INVESTMENT, LLC	Job Number	T582
Contact	RANDALL PFEIFER	Representative	TIM VENTERS
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC
Unique Well ID	DST #1, LANSING "B", 3923-3946	Report Date	2016/12/15
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #1, LANSING "B", 3923-3946
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/15	Start Test Time	07:09:00
Final Test Date	2016/12/15	Final Test Time	16:21:00

Gauge Name	5504
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Test Results

RECOVERED: 145' MCW, 91% WATER, 9% MUD
60' MW, 69% WATER, 31% MUD
205' TOTAL FLUID

TOOL SAMPLE: 94% WATER, 6% MUD

CHLORIDES: 46,000 ppm
PH: 6.0
RW: .25 @ 46 deg.



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 PFEIFERTRUST1-8DST2

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
 Elevation 2590 KB Formation Lansing "D" Effective Pay _____ Ft. Ticket No. T583
 Date 12-16-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
 Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 3,947 ft. to 3,970 ft. Total Depth 3,970 ft.
 Packer Depth 3,942 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,947 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,935 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 3,967 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.2 Water Loss 7.6 cc. Drill Pipe Length 3,799 ft I.D. 3 1/2 in.
 Chlorides 2,500 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 23 ft Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Good, 1 in. blow increasing. Off bottom of bucket in 6 mins. Weak, surface blow back during shut-in.
 2nd Open: Good, 1 in. blow increasing. Off bottom of bucket in 7 1/2 mins. No blow back during shut-in.

Recovered 95 ft. of muddy water = 1.351850 bbls. (Grind out: 56%-water; 44%-mud)
 Recovered 125 ft. of muddy water = 1.778750 bbls. (Grind out: 67%-water; 33%-mud)
 Recovered 815 ft. of slightly mud cut water = 10.461630 bbls. (Grind out: 98%-water; 2%-mud)
 Recovered 1,035 ft. of TOTAL FLUID = 13.592230 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-water (Chlorides: 67,000 Ppm PH: 5.5 RW: .15 @ 56°)

Time Set Packer(s) 4:41 A.M. Time Started off Bottom 7:41 A.M. Maximum Temperature 125°
 Initial Hydrostatic Pressure.....(A) 1934 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 31 P.S.I. to (C) 262 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 1209 P.S.I.
 Final Flow Period.....Minutes 45 (E) 270 P.S.I. to (F) 496 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 1197 P.S.I.
 Final Hydrostatic Pressure.....(H) 1929 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	R. L. INVESTMENT, LLC	Job Number	T583
Contact	RANDALL PFEIFER	Representative	TIM VENTERS
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC
Unique Well ID	DST #2, LANSING "D", 3947-3970	Report Date	2016/12/16
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #2, LANSING "D", 3947-3970
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/16	Start Test Time	00:46:00
Final Test Date	2016/12/16	Final Test Time	10:57:00

Gauge Name	5504
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Test Results

RECOVERED: 95' MW, 56% WATER, 44% MUD
 125' MW, 67% WATER, 33% MUD
 815' SMCW, 98% WATER, 2% MUD
 1035' TOTAL FLUID

TOOL SAMPLE: 100% WATER

CHLORIDES: 67,000 ppm
 PH: 5.5
 RW: .15 @ 56 deg.



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PFEIFERTRUST1-8DST3

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
Elevation 2590 KB Formation Lansing "H" & "I" Effective Pay Ft. Ticket No. T584
Date 12-19-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 3 Interval Tested from 4,034 ft. to 4,080 ft. Total Depth 4,080 ft.
Packer Depth 4,029 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,034 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,022 ft. Recorder Number 5504 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,077 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 42 Weight Pipe Length ft I.D. in.
Weight 9.4 Water Loss 8.3 cc. Drill Pipe Length 3,886 ft I.D. 3 1/2 in.
Chlorides 3,200 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 46 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 6 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 10 ins. Weak, surface blow back during shut-in.

Recovered 420 ft. of gas in pipe
Recovered 10 ft. of slightly gas cut oil = .142300 bbls. (Grind out: 1%-gas; 99%-oil) Gravity: 40 @ 60°
Recovered 75 ft. of slightly gas cut, oil cut mud = .490030 bbls. (Grind out: 2%-gas; 13%-oil; 85%-mud)
Recovered 60 ft. of slightly gas & water cut, oil cut mud = .295200 bbls. (Grind out: 1%-gas; 21%-oil; 5%-water; 73%-mud)
Recovered 145 ft. of TOTAL FLUID = .927530 bbls.

Recovered ft. of
Remarks Tool Sample Grind Out: 35%-oil; 18%-water; 47%-mud (Chlorides: 22,000 Ppm PH: 7.0 RW: .40 @ 50°)

Time Set Packer(s) 5:25 P.M. Time Started off Bottom 8:25 P.M. Maximum Temperature 112°
Initial Hydrostatic Pressure.....(A) 1963 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1313 P.S.I.
Final Flow Period.....Minutes 45 (E) 58 P.S.I. to (F) 76 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1297 P.S.I.
Final Hydrostatic Pressure.....(H) 1960 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	R. L. INVESTMENT, LLC	Job Number	T584
Contact	RANDALL PFEIFER	Representative	TIM VENTERS
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC
Unique Well ID	DST #3, LANSING "H&I", 4034-4080	Report Date	2016/12/19
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #3, LANSING "H&I", 4034-4080
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/19	Start Test Time	14:26:00
Final Test Date	2016/12/19	Final Test Time	23:39:00

Gauge Name 5504

Test Results

RECOVERED: 420' GAS IN PIPE
 10' SGCO, 1% GAS, 99% OIL, GRAVITY: 40
 75' SGC,OCM, 2% GAS, 13% OIL, 85% MUD
 60' SG&WC,OCM, 1% GAS, 21% OIL, 5% WATER, 73% MUD
 145' TOTAL FLUID

TOOL SAMPLE: 35% OIL, 18% WATER, 47% MUD

CHLORIDES: 22,000 ppm
 PH: 7.0
 RW: .40 @ 50 deg.



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PFEIFERTRUST1-8DST4

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
Elevation 2590 KB Formation Lansing "J" Effective Pay _____ Ft. Ticket No. T585
Date 12-20-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 4 Interval Tested from 4,089 ft. to 4,106 ft. Total Depth 4,106 ft.
Packer Depth 4,084 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,089 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,077 ft. Recorder Number 5504 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,103 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 54 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 7.6 cc. Drill Pipe Length 3,939 ft I.D. 3 1/2 in.
Chlorides 3,500 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 19 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 3/4 in. No blow back during shut-in.
2nd Open: Weak, surface blow throughout. No blow back during shut-in.

Recovered 5 ft. of drilling mud = .024600 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: Specks-oil; 100%-drilling mud

Time Set Packer(s) 11:21 A.M. Time Started off Bottom 2:06 P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1983 P.S.I.
Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 248 P.S.I.
Final Flow Period.....Minutes 45 (E) 13 P.S.I. to (F) 13 P.S.I.
Final Closed In Period.....Minutes 45 (G) 51 P.S.I.
Final Hydrostatic Pressure.....(H) 1976 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	R. L. INVESTMENT, LLC	Contact	RANDALL PFEIFER	Job Number	T585
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC	Representative	TIM VENTERS
Unique Well ID	DST #4, LANSING "J", 4089-4106	Report Date	2016/12/20	Well License Number	
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS	Field	WILDCAT
Well Type	Vertical				

Test Information

Test Type	CONVENTIONAL
Formation	DST #4, LANSING "J", 4089-4106
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/20	Start Test Time	08:45:00
Final Test Date	2016/12/20	Final Test Time	16:19:00

Gauge Name	5504
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Test Results

RECOVERED: 5' DRILLING MUD

TOOL SAMPLE: SPECKS OIL, 100% DRILLING MUD