

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Funk Petroleum, LLC
Well Name	CALLIHAM TRUST 1-18
Doc ID	1322257

All Electric Logs Run

DIL
CN/CD
MICRO
Sonic

Form	ACO1 - Well Completion
Operator	Funk Petroleum, LLC
Well Name	CALLIHAM TRUST 1-18
Doc ID	1322257

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4704-4707 4677-4682	500G 15% acid	4704-4707 4677-4682





**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 10/6/2016  
 Invoice # 1798  
 P.O.#:  
 Due Date: 11/5/2016  
 Division: Russell

# Invoice

**Contact:**  
 FUNK PETROLEUM  
**Address/Job Location:**

2110 N. 1184 RD  
 EUDORA KS 66025

**Reference:**  
 CALLIHAN TRUST 1-18 SEC 18-9-35

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item.	Quantity	Price	Taxable
Labor		\$ 467.97	No				
Common-Class A	180	\$ 1,880.68	Yes				
Calcium Chloride	9	\$ 317.22	Yes				
POZ Mix-Standard	45	\$ 198.26	Yes				
Bulk Truck Matl-Material Service Charge	239	\$ 150.43	No				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 113.29	No				
Premium Gel (Bentonite)	5	\$ 91.26	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 88.12	No				
8 5/8" Centralizer	2	\$ 80.56	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 3,387.81  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (84.70)

SubTotal for Taxable Items: \$ 2,503.80  
 SubTotal for Non-Taxable Items: \$ 799.31

7.50% Thomas County Sales Tax

Total: \$ 3,303.11  
 Tax: \$ 187.79

**Thank You For Your Business!**

**Amount Due: \$ 3,490.90**  
**Applied Payments:**  
**Balance Due: \$ 3,490.90**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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# QUALITY OILWELL CEMENTING, INC.

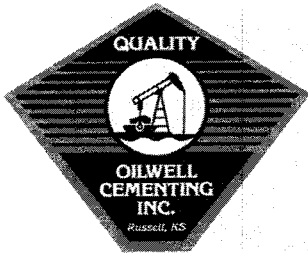
Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1798

Date	10-8-16	Sec.	18	Twp.	9	Range	35	County	Thomas	State	KS	On Location		Finish	6:30 pm
Lease								Location							
Callihan Trust								Levant Gas Rd K 3w Sinto							
Well No. 1-18				Owner											
Contractor				To Quality Oilwell Cementing, Inc.		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Type Job				Charge To		Funk Petroleum									
Hole Size				T.D.		303									
Csg.				Depth		303									
Tbg. Size				Depth		Street									
Tool				Depth		City									
Cement Left in Csg.				Shoe Joint		State									
Meas Line				Displace		18 BX									
<b>EQUIPMENT</b>															
Pumptrk	No.	Cementer	Common		180										
	20	Helper	Poz. Mix		43										
Bulktrk	No.	Driver	Gel.		5										
Bulktrk	9	Driver	Calcium		9										
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:												Hulls			
Rat Hole												Salt			
Mouse Hole												Flowseal			
Centralizers												Kol-Seal			
Baskets												Mud CLR 48			
D/V or Port Collar												CFL-117 or CD110 CAF 38			
8 5/8 on bottom Est. Circulation												Sand			
Mix 225 SK 9 Displace												Handling			
Cement Circulated												239			
												Mileage			
<b>FLOAT EQUIPMENT</b>															
												Guide Shoe			
												2 8 5/8			
												Centralizer			
												2			
												Baskets			
												AFU Inserts			
												Float Shoe			
												Latch Down			
												Pumptrk Charge			
												Surface			
												Mileage			
												40			
Signature												Tax			
Kelly Wilson												Discount			
												Total Charge			



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 10/16/2016  
 Invoice # 3100

P.O.#:  
 Due Date: 11/15/2016  
 Division: *Russell*

# Invoice

**Contact:**  
**FUNK PETROLEUM**  
**Address/Job Location:**

2110 N. 1184 RD  
 EUDORA KS 66025

**Reference:**  
 CALLIHAN TRUST 1-18-SEC 18-9-35

**Description of Work:**  
 PROD STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 655.15	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$88.12	No
Pro-C Cement	225	\$ 2,549.12	Yes	KCL	2	\$37.59	Yes
Cement Port Collar, 4 1/2"	1	\$ 1,504.29	Yes	4 1/2" Limit Clamps	1	\$31.47	Yes
Gilsonite	900	\$ 849.71	Yes				
Mud Clear	500	\$ 232.88	Yes				
Auto Fill Float Shoe, 4 1/2"	1	\$ 197.64	Yes				
4 1/2" Basket	1	\$ 157.35	Yes				
Bulk Truck Matl-Material Service Charge	251	\$ 157.98	No				
Latch Down Plug & Baffle, 4 1/2"	1	\$ 140.99	Yes				
Salt (Fine)	17	\$ 140.17	Yes				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 113.29	No				

**Invoice Terms:**

Net 30

SubTotal: \$ 6,855.75  
 Discount Available ONLY if Invoice is Paid & Received  
 within listed terms of invoice: \$ (171.39)

SubTotal for Taxable Items:	\$ 5,695.18
SubTotal for Non-Taxable Items:	\$ 989.19
<b>Total:</b>	<b>\$ 6,684.36</b>
<b>Tax:</b>	<b>\$ 427.14</b>

7.50% Thomas County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 7,111.50**  
**Applied Payments:**  
**Balance Due: \$ 7,111.50**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3100

Date	10-16-16	Sec.	18	Twp.	9	Range	35	County	Thomas	State	Ks	On Location		Finish	7:00AM
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Lease **Callihan Trust** Location **Lawart, Ks - 65, 3W - S/into**

Well No. **1-18** Owner **To Quality Oilwell Cementing, Inc.**

Contractor **Murfin # 7** You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job **long string** Charge To **Funk Petroleum**

Hole Size **7 7/8"** T.D. **4900'** Street

Csg. **4 1/2" 11.60# New** Depth **4899'** City State

Tbg. Size Depth **2777'** The above was done to satisfaction and supervision of owner agent or contractor.

Tool **Port Collar** Depth **2777'** Cement Amount Ordered **225 Q Pro-C 10% Salt 5%**

Cement Left in Csg. **46'** Shoe Joint **46'** Cement Amount Ordered **225 Q Pro-C 10% Salt 5%**

Meas Line Displace **76 BLS** Gilsonite - 500 gal mud Clear 48 20 BC' KCL

EQUIPMENT		Common
Pumptrk <b>20</b>	No. <b>Craig</b>	<b>225 Q pro-c</b>
Bulktrk <b>15</b>	No. <b>Doug</b>	Poz. Mix
Bulktrk <b>pu</b>	No. <b>Rick</b>	Gel.
		Calcium <b>KCL 2 gal</b>

### SERVICES & REMARKS

Remarks: Salt **17**

Rat Hole Flowseal

Mouse Hole Kol-Seal **900#**

Centralizers **1-5, 7, 9, 11 46** Mud CLR 48 **500 gal**

Baskets **47** CFL-117 or CD110 CAF 38

D/V or Port Collar **2777' - Top #47 2777'** Sand

Pipe on bottom break Circulation pump Handling **251**

15 BLS water pump 500 gal mud clear Mileage

48, pump 5 BLS water, plug Rathide

w/ 30 sx plug mouse hole w/ 15 sx

Cement **4 1/2" w/ 180 sx, shut down**

FLOAT EQUIPMENT	
Gate Shoe	<b>Port Collar</b>
Centralizer	<b>9</b>
Baskets	<b>1</b>
AFU Inserts	
Float Shoe	<b>1</b>
Latch Down	<b>1</b>
	<b>50' Rotating scratcher's</b>
	<b>Rotating head</b>
Pumptrk Charge	<b>prod string</b>
Mileage	<b>40</b>

Lift pressure **700 #**

Land plug to **1500 #**

Signature **Kelly Wilson**

Tax

Discount

Total Charge



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone:785-324-1041 fax:785-483-1087  
 Email: cementing@ruraltel.net

**Date:** 10/25/2016  
**Invoice #** 3057

**P.O.#:**

**Due Date:** 11/24/2016  
**Division:** Russell

# Invoice

**Contact:**  
**FUNK PETROLEUM**  
**Address/Job Location:**

2110 N. 1184 RD  
 EUDORA KS 66025

**Reference:**  
 CALLIHAN TRUST 1-18 SEC 18-9-35

**Description of Work:**  
 PORT COLLAR JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 568.25	No				
Multi Density- 80/20	300	\$ 3,343.75	Yes				
Flo Seal	200	\$ 254.76	Yes				
Bulk Truck Matl-Material Service Charge	400	\$ 254.76	No				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 114.64	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 89.17	No				

**Invoice Terms:**

Net 30

*SubTotal:* \$ 4,625.33  
*Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:* \$ (115.63)

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SubTotal for Taxable Items: \$ 3,508.55  
 SubTotal for Non-Taxable Items: \$ 1,001.15

7.50% Thomas County Sales Tax

Total: \$ 4,509.70  
 Tax: \$ 263.14  
**Amount Due: \$ 4,772.84**  
**Applied Payments:**  
**Balance Due: \$ 4,772.84**

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3057

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-25-16	18	9	35	Thomas	KS		11:00A.M.

Location Levant Gas KR 3w Sinto

Lease	Well No.	Owner
<u>Callahan Trust</u>	<u>1-15</u>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor		Charge To
<u>Wild West</u>		<u>San Rink petroleum</u>
Type Job		Street
<u>Port Collar</u>		
Hole Size	T.D.	City
<u>7 7/8</u>		State
Csg.	Depth	
<u>4 1/2</u>		
Tbg. Size	Depth	
<u>2"</u>		
Tool	Depth	
<u>Port Collar</u>	<u>2777</u>	
Cement Left in Csg.	Shoe Joint	
Meas Line	Displace	
	<u>8 1/2 BCL</u>	

**EQUIPMENT**

Pumptrk	No.	Cement Helper	Common
<u>20</u>		<u>Jack</u>	<u>300<sup>89</sup>/20 QMDC</u>
Bulktrk	No.	Driver	Poz. Mix
		<u>Jack</u>	
Bulktrk	No.	Driver	Gel.
<u>19</u>		<u>Doug</u>	
			Calcium

**JOB SERVICES & REMARKS**

Remarks:	Hulls
	Salt
Rat Hole	Flowseal <u>200 #</u>
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand

Port Collar @ 2777. Test to 1000#  
Spot 45K of Gel. Open tool  
Mix 1 Gel + Est. Circulation  
Mix 300SK + D Displace. Cement  
Circulated!  
Close Tool test to 1000#  
Run 5 joints x wash clean  
USED 300SK + 5 Gel

**FLOAT EQUIPMENT**

Handling	
<u>400</u>	
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	<u>40</u>

X Signature	Tax
	Discount
	Total Charge





## DRILL STEM TEST REPORT

Prepared For: **Funk Petroleum LLC**

2110 N. 1184 th St.  
Eudora, KS 66025

ATTN: Tim Priest

### **Calliham Trust #1-18**

### **18-9s-35w Thomas,KS**

Start Date: 2016.10.13 @ 02:11:00

End Date: 2016.10.13 @ 11:03:00

Job Ticket #: 61180                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.17 @ 09:06:09



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

ATTN: Tim Priest

Job Ticket: 61180

**DST#: 1**

Test Start: 2016.10.13 @ 02:11:00

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:51:00

Time Test Ended: 11:03:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

**Interval: 4576.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Reference Elevations: 3385.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

3380.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8366 Outside**

Press @ Run Depth: 115.09 psig @ 4577.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.13

End Date:

2016.10.13

Last Calib.: 2016.10.13

Start Time: 02:11:05

End Time:

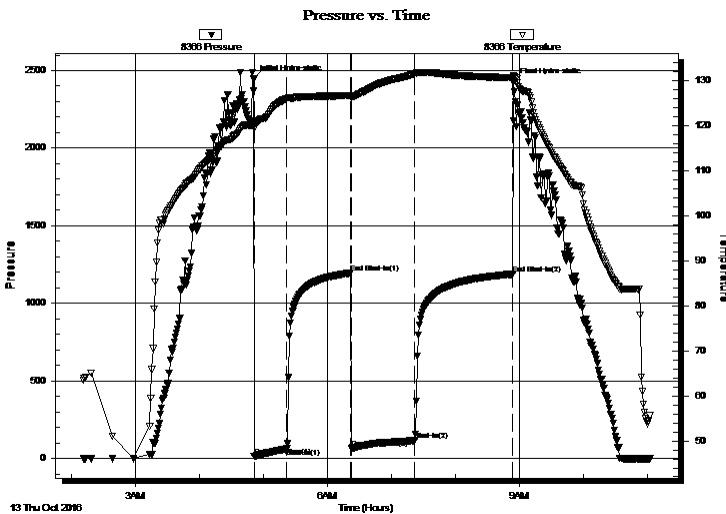
11:03:00

Time On Btm: 2016.10.13 @ 04:50:45

Time Off Btm: 2016.10.13 @ 08:54:30

**TEST COMMENT:** 30 - IF: 1/4" Blow at open, built to 4"  
60 - IS: No blow back  
60 - FF: Blow started at 5 1/2 min, built to 4 1/4"  
90 - FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2445.05	120.76	Initial Hydro-static
1	13.32	119.49	Open To Flow (1)
31	61.94	125.95	Shut-In(1)
91	1194.58	126.66	End Shut-In(1)
92	65.75	126.32	Open To Flow (2)
151	115.09	131.47	Shut-In(2)
243	1187.80	130.70	End Shut-In(2)
244	2420.86	131.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/trace oil 90%w , 10%m	0.61
100.00	MCW w/trace oil 61%w , 39%m	0.84

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

Job Ticket: 61180

**DST#: 1**

ATTN: Tim Priest

Test Start: 2016.10.13 @ 02:11:00

## Tool Information

Drill Pipe:	Length: 4401.00 ft	Diameter: 3.80 inches	Volume: 61.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 62.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4576.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4556.00	
Shut In Tool	5.00			4561.00	
Hydraulic tool	5.00			4566.00	
Packer	5.00			4571.00	21.00 Bottom Of Top Packer
Packer	5.00			4576.00	
Packer - Shale	0.00			4576.00	
Stubb	1.00			4577.00	
Recorder	0.00	6625	Inside	4577.00	
Recorder	0.00	8366	Outside	4577.00	
Perforations	30.00			4607.00	
Bullnose	3.00			4610.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

Job Ticket: 61180

**DST#: 1**

ATTN: Tim Priest

Test Start: 2016.10.13 @ 02:11:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17500 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW w/trace oil 90%w , 10%m	0.615
100.00	MCW w/trace oil 61%w , 39%m	0.838

Total Length: 225.00 ft      Total Volume: 1.453 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

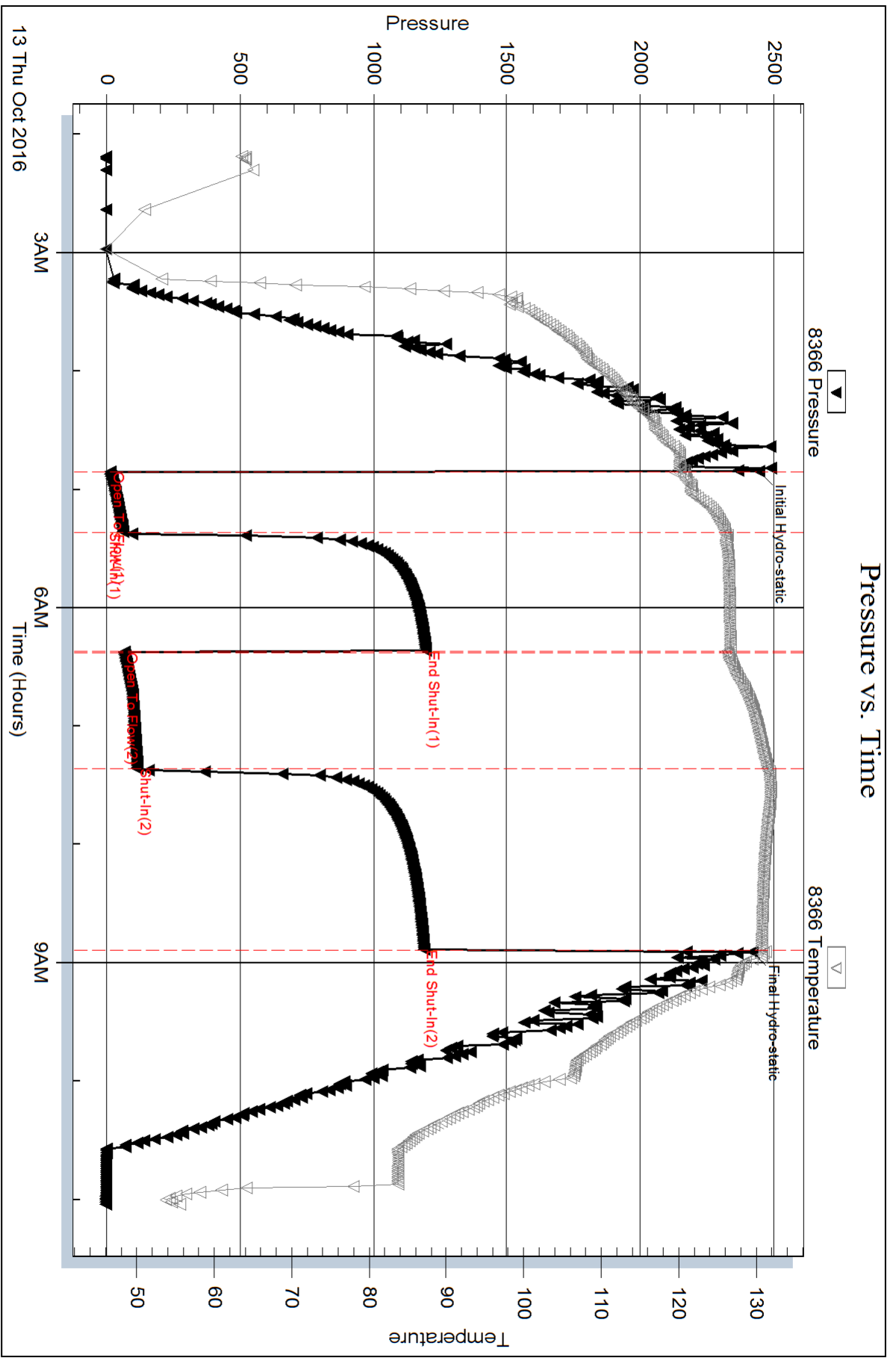
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .481 ohms @ 55.5 deg F

Chlorides = 17,500 ppm



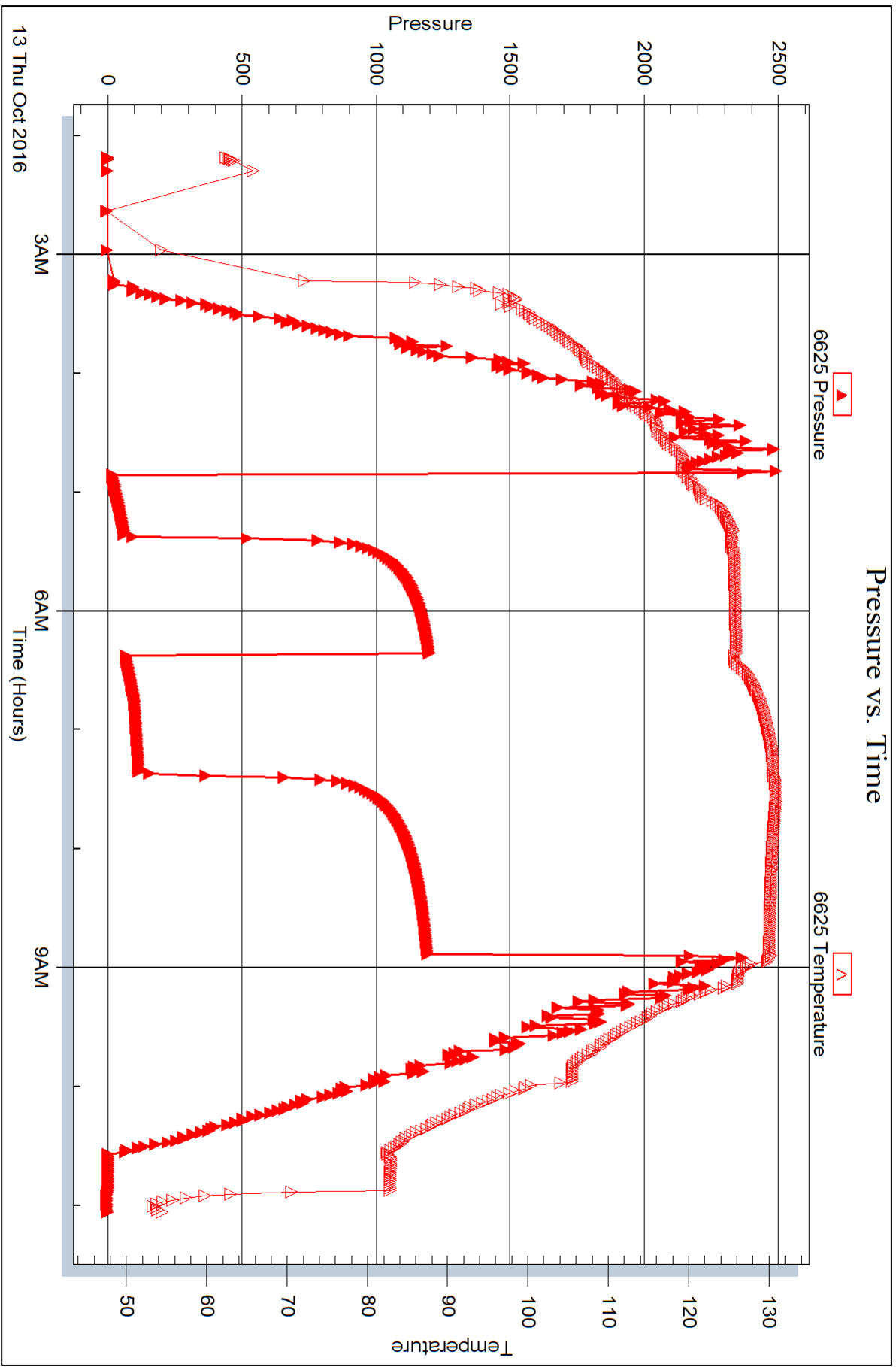
Serial #: 6625

Inside

Funk Petroleum LLC

Callham Trust #1-18

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Funk Petroleum LLC**

2110 N. 1184 th St.  
Eudora, KS 66025

ATTN: Tim Priest

### **Calliham Trust #1-18**

### **18-9s-35w Thomas,KS**

Start Date: 2016.10.13 @ 21:44:00

End Date: 2016.10.14 @ 07:02:45

Job Ticket #: 61181                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.17 @ 09:05:42



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

ATTN: Tim Priest

Job Ticket: 61181

**DST#: 2**

Test Start: 2016.10.13 @ 21:44:00

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:03:45

Time Test Ended: 07:02:45

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 4670.00 ft (KB) To 4715.00 ft (KB) (TVD)**

Reference Elevations: 3385.00 ft (KB)

Total Depth: 4715.00 ft (KB) (TVD)

3380.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8366 Outside**

Press @ Run Depth: 170.82 psig @ 4671.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.13

End Date:

2016.10.14

Last Calib.: 2016.10.14

Start Time: 21:44:05

End Time:

07:02:45

Time On Btm: 2016.10.14 @ 00:03:30

Time Off Btm: 2016.10.14 @ 04:14:45

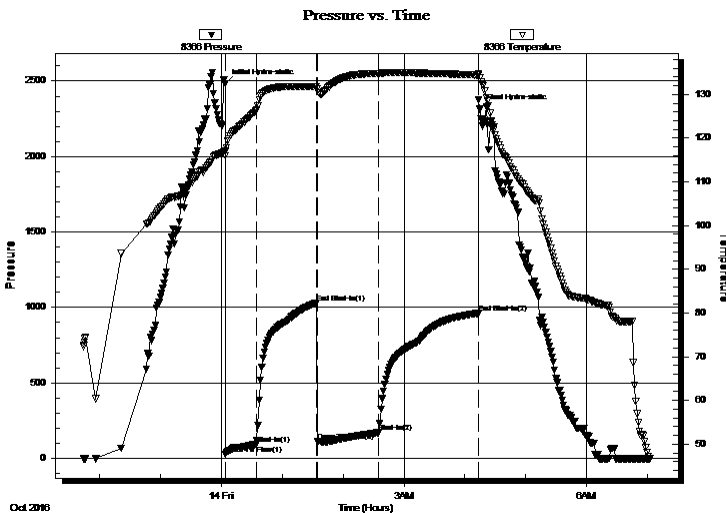
**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 10 1/4 min.

60 - IS: Blow back built to 3 1/2"

60 - FF: Blow built to BOB at 16 1/2 min.

90 - FS: Blow back built to 5"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2484.08	116.99	Initial Hydro-static
1	25.35	115.96	Open To Flow (1)
31	93.79	126.35	Shut-In(1)
91	1029.08	131.73	End Shut-In(1)
92	111.51	131.32	Open To Flow (2)
152	170.82	134.80	Shut-In(2)
250	960.21	134.43	End Shut-In(2)
252	2314.65	133.88	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
187.00	SMCO 78%o, 13%g, 9%m	0.92
10.00	SOCM 75%m, 20%g, 5%o	0.14
53.00	SMCO 87%o, 8%m, 5%g	0.74
190.00	CGO 67%o, 33%g	2.67
130.00	CGO 85%o, 15%g	1.82
0.00	GIP = 380'	0.00

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE TESTING, INC.**

### DRILL STEM TEST REPORT

Funk Petroleum LLC  
2110 N. 1184 th St.  
Eudora, KS 66025  
ATTN: Tim Priest

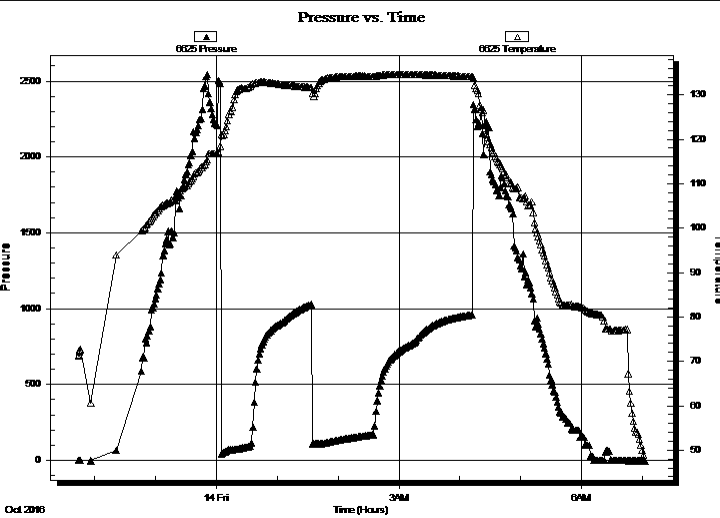
**18-9s-35w Thomas,KS**  
**Calliham Trust #1-18**  
Job Ticket: 61181 **DST#: 2**  
Test Start: 2016.10.13 @ 21:44:00

#### GENERAL INFORMATION:

Formation: **Cherokee**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 00:03:45 Tester: James Winder  
Time Test Ended: 07:02:45 Unit No: 83  
**Interval: 4670.00 ft (KB) To 4715.00 ft (KB) (TVD)** Reference Elevations: 3385.00 ft (KB)  
Total Depth: 4715.00 ft (KB) (TVD) 3380.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

**Serial #: 6625 Inside**  
Press @ Run Depth: psig @ 4671.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2016.10.13 End Date: 2016.10.14 Last Calib.: 2016.10.14  
Start Time: 21:44:05 End Time: 07:03:15 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 10 1/4 min.  
60 - IS: Blow back built to 3 1/2"  
60 - FF: Blow built to BOB at 16 1/2 min.  
90 - FS: Blow back built to 5"



#### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

#### Recovery

Length (ft)	Description	Volume (bbl)
187.00	SMCO 78%o, 13%g, 9%m	0.92
10.00	SOCM 75%m, 20%g, 5%o	0.14
53.00	SMCO 87%o, 8%m, 5%g	0.74
190.00	CGO 67%o, 33%g	2.67
130.00	CGO 85%o, 15%g	1.82
0.00	GIP = 380'	0.00

\* Recovery from multiple tests

#### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

Job Ticket: 61181

**DST#: 2**

ATTN: Tim Priest

Test Start: 2016.10.13 @ 21:44:00

## Tool Information

Drill Pipe:	Length: 4496.00 ft	Diameter: 3.80 inches	Volume: 63.07 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 63.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4670.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4650.00	
Shut In Tool	5.00			4655.00	
Hydraulic tool	5.00			4660.00	
Packer	5.00			4665.00	21.00 Bottom Of Top Packer
Packer	5.00			4670.00	
Packer - Shale	0.00			4670.00	
Stubb	1.00			4671.00	
Recorder	0.00	6625	Inside	4671.00	
Recorder	0.00	8366	Outside	4671.00	
Perforations	7.00			4678.00	
Blank Spacing	34.00			4712.00	
Bullnose	3.00			4715.00	45.00 Bottom Packers & Anchor

**Total Tool Length: 66.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

Job Ticket: 61181

**DST#: 2**

ATTN: Tim Priest

Test Start: 2016.10.13 @ 21:44:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
187.00	SMCO 78%o, 13%g, 9%m	0.920
10.00	SOCM 75%m, 20%g, 5%o	0.140
53.00	SMCO 87%o, 8%m, 5%g	0.743
190.00	CGO 67%o, 33%g	2.665
130.00	CGO 85%o, 15%g	1.824
0.00	GIP = 380'	0.000

Total Length: 570.00 ft      Total Volume: 6.292 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

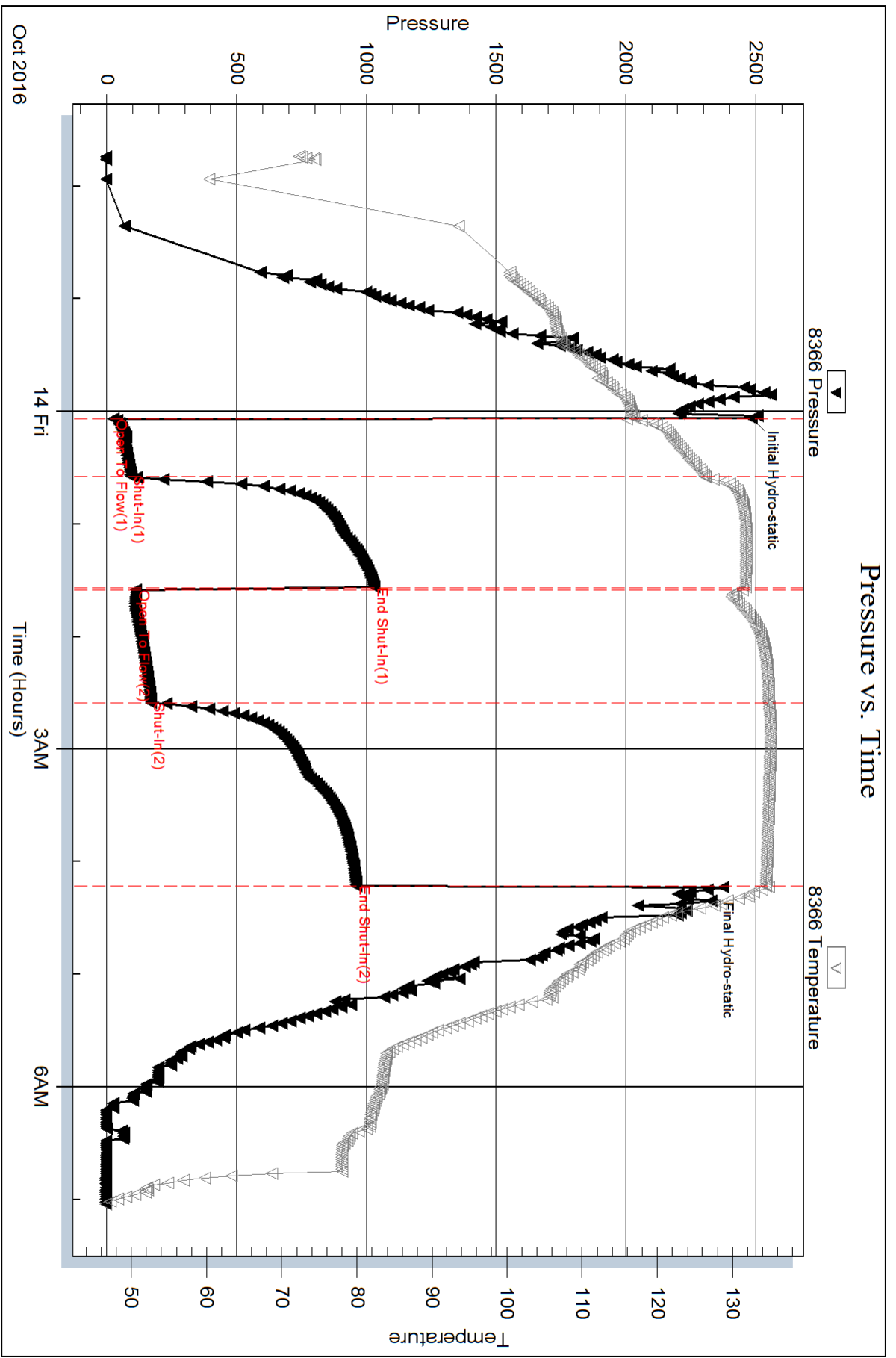
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 23.4 api @ 44 deg F

Corrected Gravity = 25 api





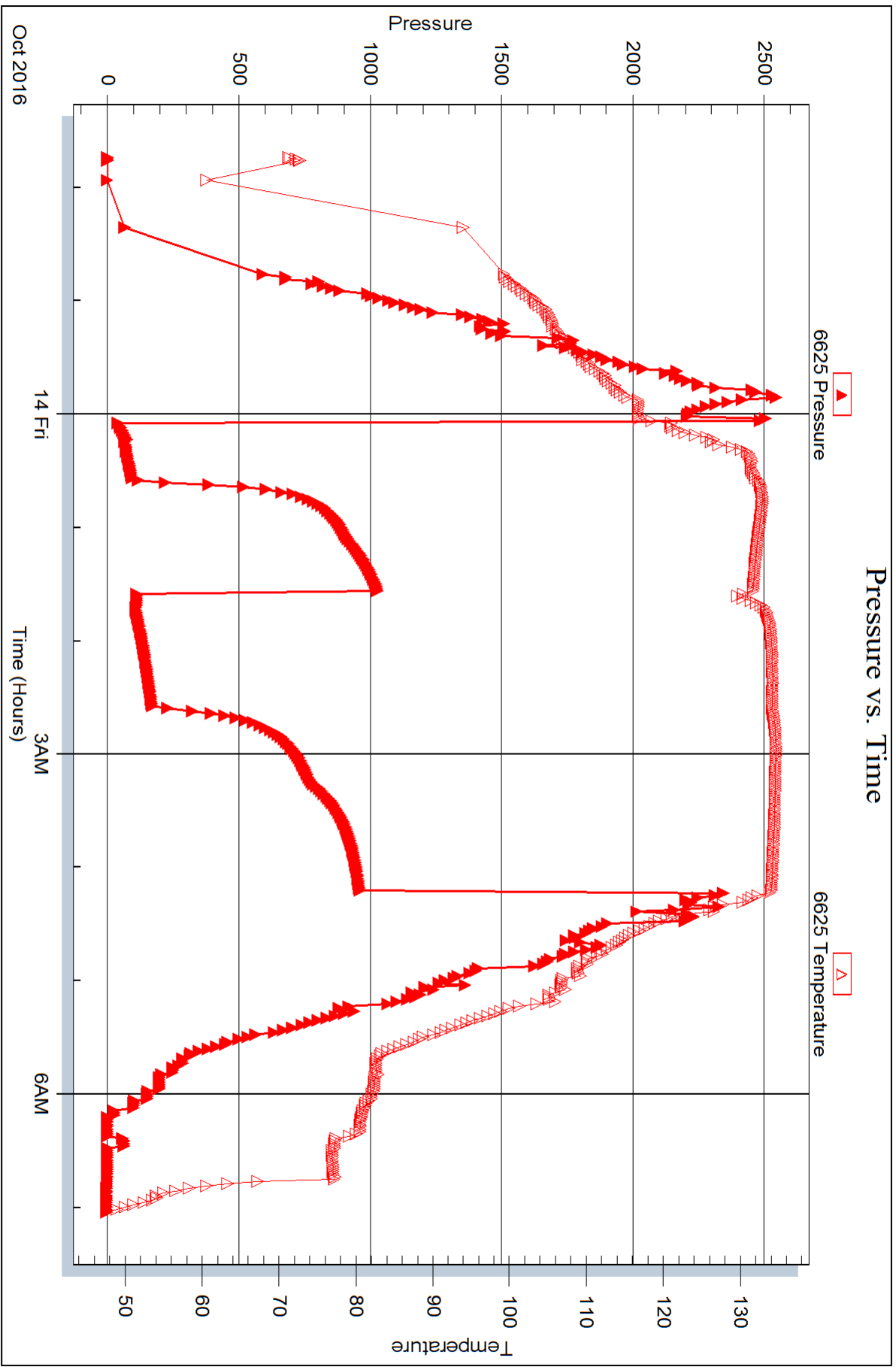
Serial #: 6625

Inside

Funk Petroleum LLC

Calliham Trust #1-18

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Funk Petroleum LLC**

2110 N. 1184 th St.  
Eudora, KS 66025

ATTN: Tim Priest

### **Calliham Trust #1-18**

### **18-9s-35w Thomas,KS**

Start Date: 2016.10.14 @ 15:51:00

End Date: 2016.10.14 @ 22:14:30

Job Ticket #: 61182                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.17 @ 09:04:58



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

ATTN: Tim Priest

Job Ticket: 61182

**DST#: 3**

Test Start: 2016.10.14 @ 15:51:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:52:45

Time Test Ended: 22:14:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 4714.00 ft (KB) To 4760.00 ft (KB) (TVD)**

Reference Elevations: 3385.00 ft (KB)

Total Depth: 4760.00 ft (KB) (TVD)

3380.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8366 Outside**

Press @ Run Depth: 16.66 psig @ 4715.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.14

End Date:

2016.10.14

Last Calib.:

2016.10.14

Start Time: 15:51:05

End Time:

22:14:29

Time On Btm:

2016.10.14 @ 17:52:30

Time Off Btm:

2016.10.14 @ 19:59:00

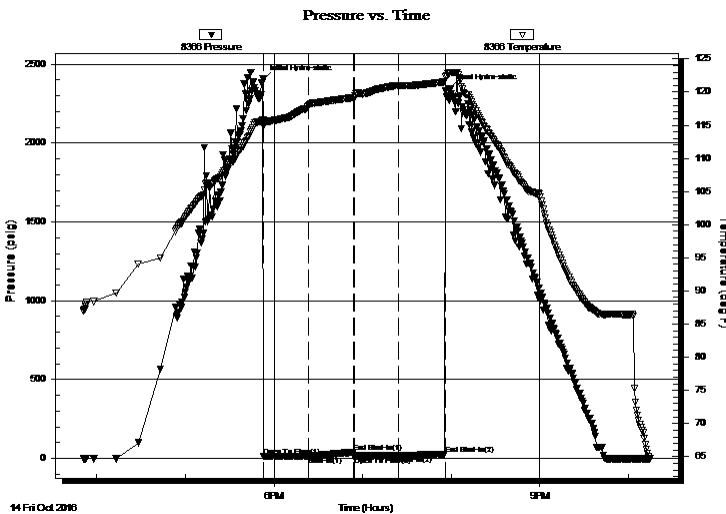
**TEST COMMENT:** 30 - IF: 1/8" Blow at open, died back, Intermittent blow from 10 to 19 min. then dead

30 - IS: No blow

30 - FF: No blow

30 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.55	115.83	Initial Hydro-static
1	12.68	114.84	Open To Flow (1)
31	15.00	117.93	Shut-In(1)
62	39.04	119.16	End Shut-In(1)
62	15.79	119.17	Open To Flow (2)
92	16.66	120.94	Shut-In(2)
124	27.45	121.55	End Shut-In(2)
127	2346.65	122.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 96% m, 4% o	0.02

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Funk Petroleum LLC

2110 N. 1184 th St.  
Eudora, KS 66025

ATTN: Tim Priest

**18-9s-35w Thomas,KS**

**Calliham Trust #1-18**

Job Ticket: 61182

**DST#: 3**

Test Start: 2016.10.14 @ 15:51:00

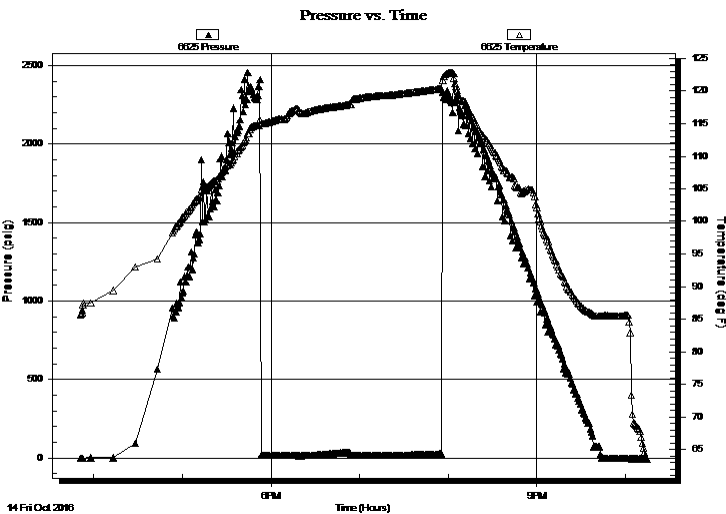
## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:52:45  
 Time Test Ended: 22:14:30  
 Interval: **4714.00 ft (KB) To 4760.00 ft (KB) (TVD)**  
 Total Depth: 4760.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 83  
 Reference Elevations: 3385.00 ft (KB)  
 3380.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6625 Inside

Press @ Run Depth: psig @ 4715.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.10.14 End Date: 2016.10.14 Last Calib.: 2016.10.14  
 Start Time: 15:51:05 End Time: 22:14:44 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 - IF: 1/8" Blow at open, died back, Intermittent blow from 10 to 19 min. then dead  
 30 - IS: No blow  
 30 - FF: No blow  
 30 - FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 96% m, 4% o	0.02

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

Job Ticket: 61182

**DST#: 3**

ATTN: Tim Priest

Test Start: 2016.10.14 @ 15:51:00

## Tool Information

Drill Pipe:	Length: 4465.00 ft	Diameter: 3.80 inches	Volume: 62.63 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 63.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4714.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4694.00	
Shut In Tool	5.00			4699.00	
Hydraulic tool	5.00			4704.00	
Packer	5.00			4709.00	21.00 Bottom Of Top Packer
Packer	5.00			4714.00	
Packer - Shale	0.00			4714.00	
Stubb	1.00			4715.00	
Recorder	0.00	6625	Inside	4715.00	
Recorder	0.00	8366	Outside	4715.00	
Perforations	7.00			4722.00	
Blank Spacing	34.00			4756.00	
Perforations	1.00			4757.00	
Bullnose	3.00			4760.00	46.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Funk Petroleum LLC

**18-9s-35w Thomas,KS**

2110 N. 1184 th St.  
Eudora, KS 66025

**Calliham Trust #1-18**

Job Ticket: 61182

**DST#: 3**

ATTN: Tim Priest

Test Start: 2016.10.14 @ 15:51:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 96% <sub>m</sub> , 4% <sub>o</sub>	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

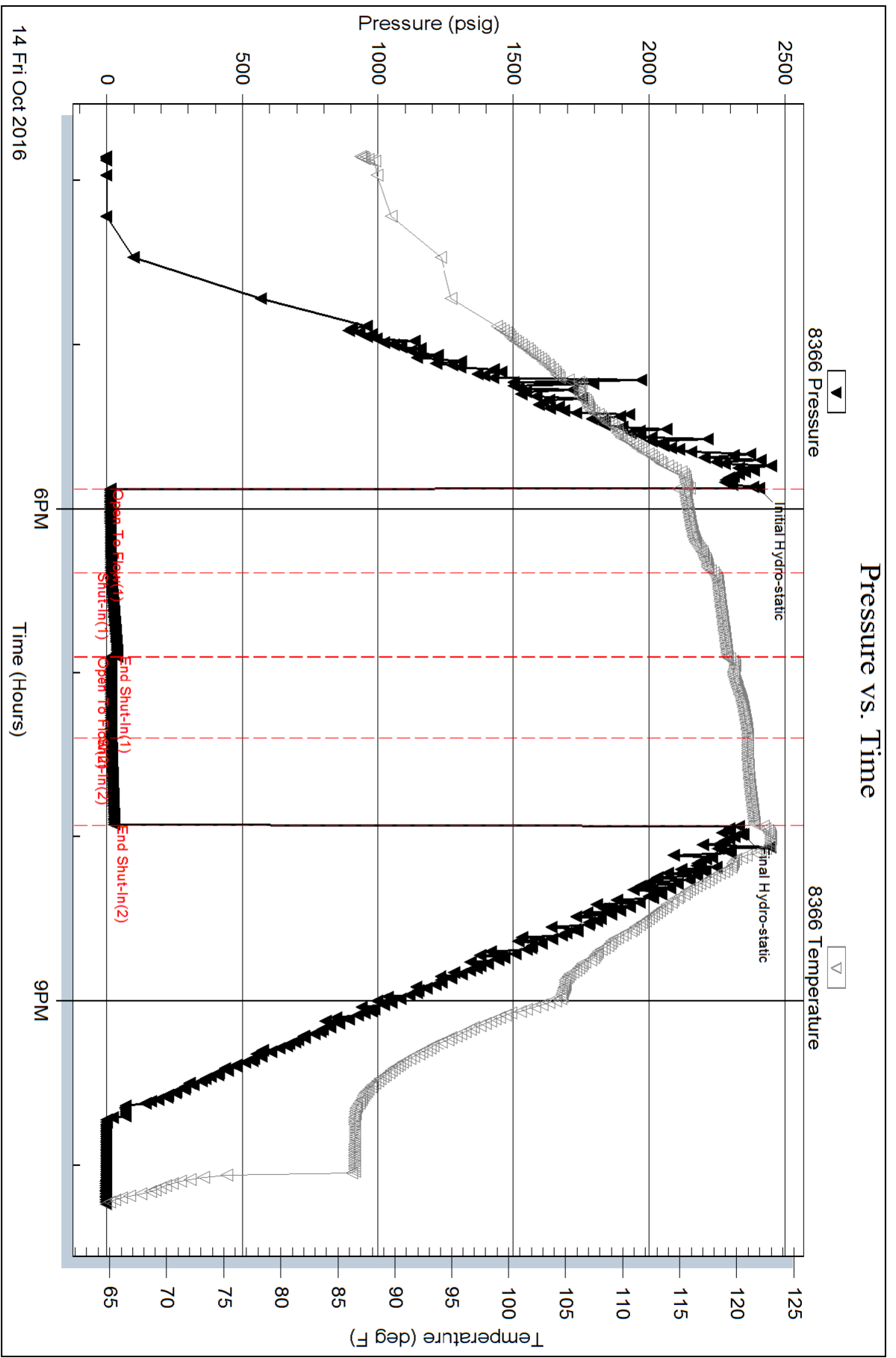
Recovery Comments:

Serial #: 8366

Outside Funk Petroleum LLC

Callham Trust #1-18

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61182

Printed: 2016.10.17 @ 09:05:00



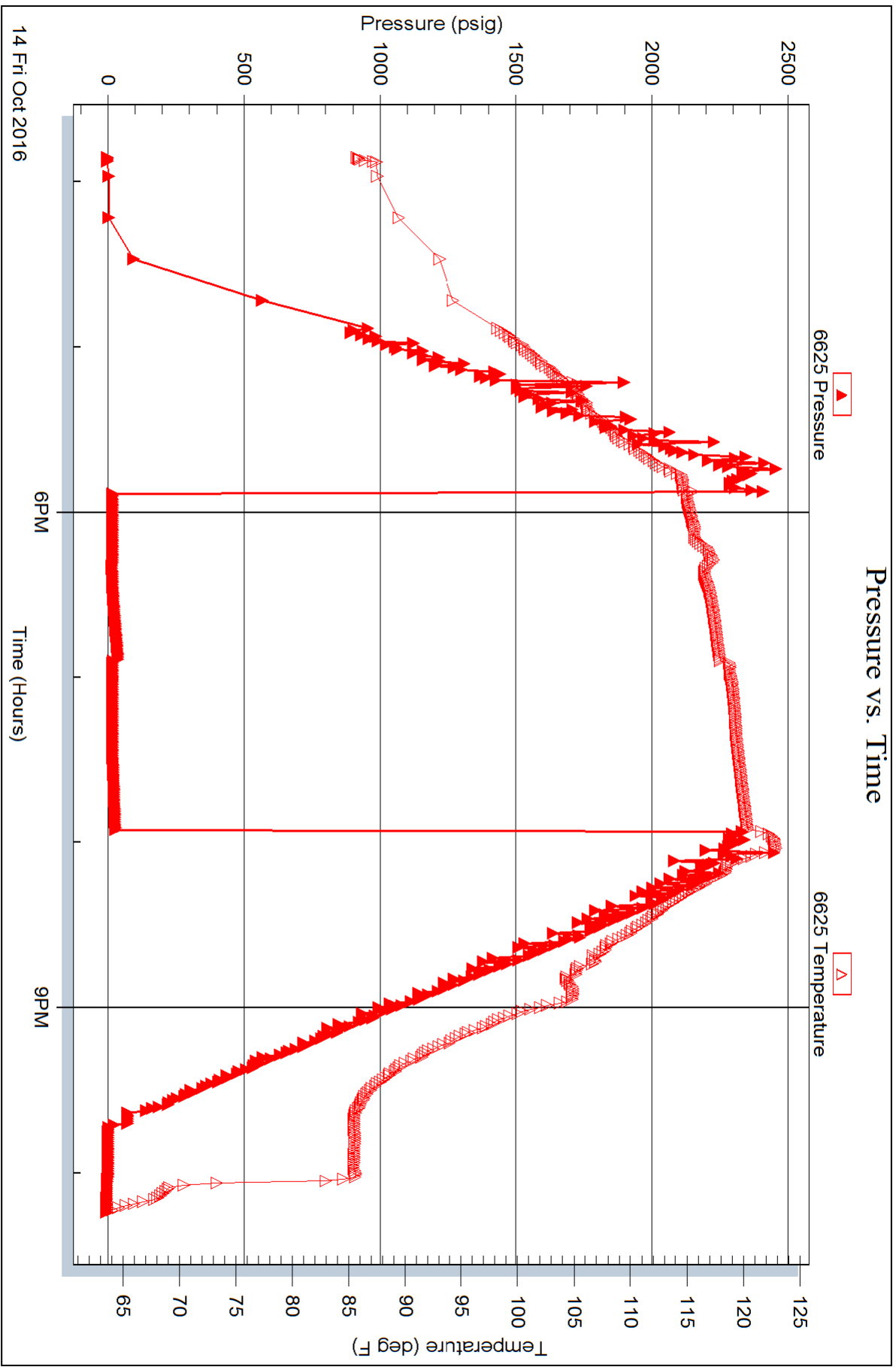
Serial #: 6625

Inside

Funk Petroleum LLC

Callham Trust #1-18

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61182

Printed: 2016.10.17 @ 09:05:00



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61180

Well Name & No. Calliham Trust #1-18 Test No. 1 Date 10-13-16  
 Company Funk Petroleum LLC Elevation 3385 KB 3380 GL  
 Address 2110 N. 1184th St. Eudora, KS 66025  
 Co. Rep / Geo. Tim Priest Rig Murfin #7  
 Location: Sec. 18 Twp. 9s Rge. 35w Co. Thomas State KS

Interval Tested 4576-4610 Zone Tested Pawnee  
 Anchor Length 34 Drill Pipe Run 4401 Mud Wt. 9.2  
 Top Packer Depth 4571 Drill Collars Run 187 Vis 57  
 Bottom Packer Depth 4576 (Shale) Wt. Pipe Run - WL 8.0  
 Total Depth 4610 Chlorides 3000 ppm System LCM 6  
 Blow Description IF: 1/4" Blow at open, built to 4"  
ISI: No blowback  
FF: Blow started at 5 1/2 min., built to 4 1/4"  
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>MCW w/trace oil</u>	<u>trace</u>	<u>61</u>	<u>39</u>	
<u>125</u>	<u>MCW w/trace oil</u>	<u>trace</u>	<u>90</u>	<u>10</u>	

Rec Total 225 BHT 131 Gravity 1150 API RW .481 @ 55.5 °F Chlorides 17,500 ppm  
 (A) Initial Hydrostatic 2445  Test 1150 T-On Location 23:55 10/12  
 (B) First Initial Flow 13  Jars \_\_\_\_\_ T-Started 2:11  
 (C) First Final Flow 62  Safety Joint \_\_\_\_\_ T-Open 4:51  
 (D) Initial Shut-In 1195  Circ Sub \_\_\_\_\_ T-Pulled 8:53  
 (E) Second Initial Flow 66  Hourly Standby \_\_\_\_\_ T-Out 11:00 10/13  
 (F) Second Final Flow 115  Mileage 152 RT 114 Comments (Hotel)  
 (G) Final Shut-In 1189  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2421  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1514  
 Sub Total 1514 MP/DST Disc't \_\_\_\_\_

Approved By

Our Representative

James Winder



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61181

4/10

Well Name & No. Calliham Trust #1-18 Test No. 2 Date 10-13-16  
 Company Funk Petroleum LLC Elevation 3385 KB 3380 GL  
 Address 2110 N. 1184th St Eudora, KS 66025  
 Co. Rep / Geo. Tim Priest Rig Murfin #7  
 Location: Sec. 18 Twp. 9s Rge. 35w Co. Thomas State KS

Interval Tested 4670 - 4715 Zone Tested Cherokee  
 Anchor Length 45 Drill Pipe Run 4496 Mud Wt. 9.2  
 Top Packer Depth 4665 Drill Collars Run 187 Vis 58  
 Bottom Packer Depth 4670 (shale) Wt. Pipe Run - WL 8.8  
 Total Depth 4715 Chlorides 5060 ppm System LCM 6  
 Blow Description IF: Blow built to BOB (11") at 10 1/4 min.  
ISI: Blowback built to 3 1/2"  
FF: Blow built to BOB at 16 1/2 min.  
FSI: Blowback built to 5"

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>CGO</u>	<u>15</u>	<u>85</u>	<u>-</u>	<u>-</u>
<u>190</u>	<u>CGO</u>	<u>33</u>	<u>67</u>	<u>-</u>	<u>-</u>
<u>53</u>	<u>smco</u>	<u>5</u>	<u>87</u>	<u>-</u>	<u>8</u>
<u>10</u>	<u>SOCM</u>	<u>20</u>	<u>5</u>	<u>-</u>	<u>75</u>
<u>187</u>	<u>smco</u>	<u>13</u>	<u>78</u>	<u>-</u>	<u>9</u>

Rec Total 570 Fluid 380' GIP BHT 134 Gravity 25 API RW @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2484  Test 1150 T-On Location 20:30 <sup>10/13</sup>  
 (B) First Initial Flow 25  Jars - T-Started 21:44  
 (C) First Final Flow 94  Safety Joint - T-Open 00:03  
 (D) Initial Shut-In 1029  Circ Sub - T-Pulled 4:13  
 (E) Second Initial Flow 112  Hourly Standby - T-Out 6:50 <sup>10/14</sup>  
 (F) Second Final Flow 171  Mileage 152 RT 114 Comments (Hotel)  
 (G) Final Shut-In 960  Sampler -  
 (H) Final Hydrostatic 2315  Straddle -  Ruined Shale Packer -  
 Shale Packer 250  Ruined Packer -  
 Extra Packer -  Extra Copies -  
 Extra Recorder - Sub Total 0  
 Day Standby - Total 1514  
 Accessibility - MP/DST Disc't -  
 Sub Total 1514

Approved By \_\_\_\_\_

Our Representative James Winder

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61182

Well Name & No. Calliham Trust #1-18 Test No. 3 Date 10-14-16  
 Company Funk Petroleum LLC Elevation 3385 KB 3380 GL  
 Address 2110 N. 1184th St Eudora KS 66025  
 Co. Rep / Geo. Tim Priest Rig Murfin #7  
 Location: Sec. 18 Twp. 9s Rge. 35w Co. Thomas State KS

Interval Tested 4714 - 4760 Zone Tested Johnson  
 Anchor Length 46 Drill Pipe Run 4465 Mud Wt. 9.3  
 Top Packer Depth 4709 Drill Collars Run ~~187~~ 249 Vis 53  
 Bottom Packer Depth 4714 (shale) Wt. Pipe Run - WL 8.8  
 Total Depth 4760 Chlorides 5400 ppm System LCM 6

Blow Description IF: 1/8" Blow at open, died back, Intermittent surface blow 10-19 min then dead  
ISI: No blow  
FF: No blow  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>50cm</u>		<u>4</u>		<u>96</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 122 Gravity 1150 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 2406  Test 1150 T-On Location 14:30  
 (B) First Initial Flow 13  Jars \_\_\_\_\_ T-Started 15:51  
 (C) First Final Flow 15  Safety Joint \_\_\_\_\_ T-Open 17:52  
 (D) Initial Shut-In 39  Circ Sub \_\_\_\_\_ T-Pulled 19:55  
 (E) Second Initial Flow 16  Hourly Standby \_\_\_\_\_ T-Out 22:10  
 (F) Second Final Flow 17  Mileage 152 RT x2 114+114 Comments (Hole)  
 (G) Final Shut-In 27  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2347  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 0  
 Total 1628  
 Sub Total 1628  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative James Winkler

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