



KANSAS CORPORATION COMMISSION 1079483  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6246  
Name: Bennett & Schulte Oil Co., a General Partnership  
Address 1: 140 W WICHITA AVE  
Address 2: \_\_\_\_\_  
City: RUSSELL State: KS Zip: 67665 + 2746  
Contact Person: Frank Schulte  
Phone: ( 785 ) 483-2721  
CONTRACTOR: License # 33905  
Name: Royal Drilling Inc  
Wellsite Geologist: Brad Hutchinson  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 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 ENHR     Conv. to SWD  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>4/9/2012</u>	<u>4/16/2012</u>	<u>4/27/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25678-00-00

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

S2 NW SW NE Sec. 17 Twp. 17 S. R. 14  East  West  
1880 Feet from  North /  South Line of Section  
2310 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barton

Lease Name: Yarmer Well #: 17-1

Field Name: Capitol View

Producing Formation: Arbuckle

Elevation: Ground: 1918 Kelly Bushing: 1925

Total Depth: 3430 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 910 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: 78000 ppm Fluid volume: 600 bbls

Dewatering method used: Evaporated

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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrison Date: 06/12/2012



1079483

Operator Name: Bennett & Schulte Oil Co., a General Partnership Lease Name: Yarmer Well #: 17-1

Sec. 17 Twp. 17 S. R. 14  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Radiation Guard Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Attached Top Attached Datum Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	910	Common	400	3% CC, 2% Gel.
Production	7.875	5.5	14	3429	Common	200	10% Salt, 5% Gil.

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
— Perforate				
— Protect Casing	-			
— Plug Back TD				
— Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bennett & Schulte Oil Co., a General Partnership
Well Name	Yarmer 17-1
Doc ID	1079483

Tops

Anhydrite	903	+1022
Topeka	2864	-939
Heebner	3098	-1173
Toronto	3112	-1187
Brown Lime	3163	-1238
Lansing	3175	-1250
Base KC	3382	-1457
Conglomerate	3387	-1462
Arbuckle	3412	-1487

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 365

Date	4-10-12	Sec.	17	Twp.	17S	Range	14	County	BARTON	State	KANSAS	On Location	Finish	6:00 pm	
Lease	YARMER			Well No.	17-1			Location	RUSSELL SON 281 TO R# 250 - W 2mi - 1/2 mi S - W 1/2						
Contractor	ROYAL DRILLING RIG #2							Owner	BENNETT & SCHULTE OIL CO.						
Type Job	LONG SURFACE							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.							
Hole Size	12 1/4			T.D.	910			Charge To	BENNETT & SCHULTE OIL CO.						
Csg.	8 7/8" - 23 LB			Depth				Street	P.O. Box 329						
Tbg. Size				Depth				City	RUSSELL			State	KS		
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint	15'			Cement Amount Ordered	400 com - 3 1/2" - 2 1/2" GEL						
Meas Line				Displace	57 BLS										

### EQUIPMENT

Pumptrk	15	No.	Cementor	PAUL	Helper		Common
Bulktrk	13	No.	Driver	QUIFEE	Driver		Poz. Mix
Bulktrk	7/11	No.	Driver	CESCO	Driver		Gel.

### JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

### FLOAT EQUIPMENT

CEMENT	CIRCULATE	Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		1- 8 7/8" RUBBER PLUG
		1- 8 7/8" HEAD & MANIFOLD
		Pumptrk Charge
		Mileage

Signature <i>Doug Budig</i>	Tax	
Signature <i>WILLIAMS</i>	Discount	
	Total Charge	

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 370

Date	4-16-12	Sec.	17	Twp.	17	Range	14	County	BARLON	State	KANSAS	On Location		Finish	4:00 PM
Lease	YARMEE		Well No.	17-1		Location RUSSELL-5.281 TO 15.060 - W 2 MI - S 3 MI - W/INTO									
Contractor	ROYAL DRILLING #24							Owner: BENNETT & SCHULTE OIL CO.							
Type Job	REDUCTION STEELING							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.							
Hole Size	7 7/8"		T.D.		3430'		Charge To BENNETT & SCHULTE OIL CO.								
Csg.	5 1/2" - 15 1/2" NEW		Depth		3428.94		Street 140 W. WICHITA AVE.								
Tbg. Size			Depth				City RUSSELL State KS 67665								
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.			Shoe Joint		42.49'		Cement Amount Ordered 200 SK COM 10 SK SACT 50 GALLONS								
Meas Line			Displace		80.42 BLS										

**EQUIPMENT**

Pumptrk #15 No.	Cement Helper PAUL	Common
Bulktrk #14 No.	Driver DOUG	Poz. Mix
Bulktrk P/U No.	Driver CISCO	Gel.

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole 30 SKS	Hulls
Mouse Hole 20 SKS	Salt
Centralizers 1, 11, 13, 15	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand

CIRCULATE 15 MIN - SET PACKER SHOE - CIRCULATE  
45 MIN - PUMPED 500 GALLONS MUD CLEAR -  
PUMPED RAT & MOUSE HOLE - THEN PUMPED  
150 SKS DOWN 5 1/2" - DISPLACED LAMEN  
PLUG - FLOAT HELD.

Handling
Mileage

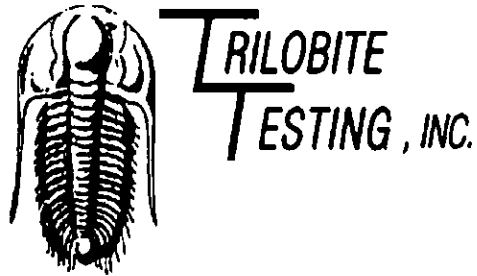
**FLOAT EQUIPMENT**

Guide Shoe
Centralizer 4 - 5 1/2" CENTRALIZERS
Baskets 2 - 5 1/2" BASKETS
AFU Inserts
Float Shoe
Latch Down 1 - 5 1/2" W-PLUG 1 - 5 1/2" - PACKER SHOE

Pumptrk Charge
Mileage

Signature *[Handwritten Signature]*

Tax
Discount
Total Charge



## DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

PO Box 329  
Russell KS 67665

ATTN: Brad Hutchinson

**Yarmer #17-1**

**17-17s-14w Barton,KS**

Start Date: 2012.04.13 @ 21:39:34

End Date: 2012.04.14 @ 03:42:34

Job Ticket #: 45787                      DST #: 1

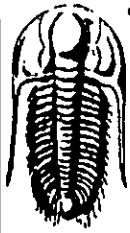
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.17 @ 16:24:43

Bennett & Schulte Oil Co. 17-17s-14w Barton,KS Yarmer #17-1 DST # 1 Lans. A - B 2012.04.13



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

17-17s-14w Barton,KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45787

DST#: 1

ATTN: Brad Hutchinson

Test Start: 2012.04.13 @ 21:39:34

### GENERAL INFORMATION:

Formation: **Lans. A - B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:50:04

Time Test Ended: 03:42:34

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3172.00 ft (KB) To 3190.00 ft (KB) (TVD)

Total Depth: 3190.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1925.00 ft (KB)

1918.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8167

Inside

Press@RunDepth: 134.67 psig @ 3173.00 ft (KB)

Start Date: 2012.04.13

End Date:

2012.04.14

Capacity: 8000.00 psig

Last Calib.: 2012.04.14

Start Time: 21:39:35

End Time:

03:42:34

Time On Btm: 2012.04.13 @ 22:48:19

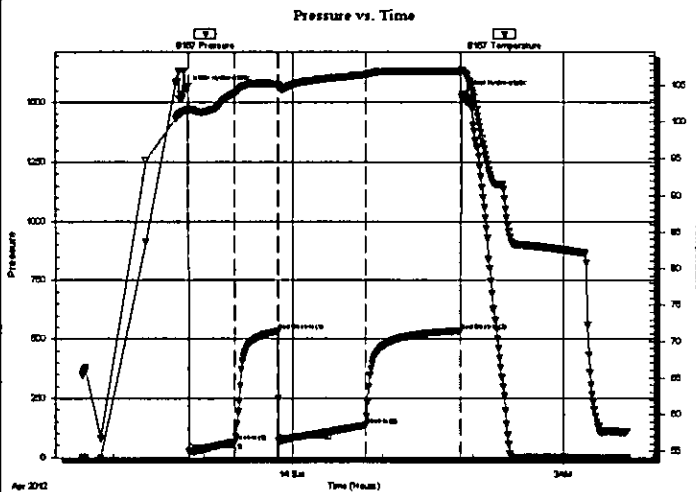
Time Off Btm: 2012.04.14 @ 01:53:04

TEST COMMENT: IF: Strong blow . B.O.B. in 1 min.

IS: No blow .

FF: Strong blow . B.O.B. in 65 secs. GTS in 13 mins. TSTM

FS: Strong blow . B.O.B.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.33	101.52	Initial Hydro-static
2	27.48	101.42	Open To Flow (1)
33	65.28	103.86	Shut-In(1)
62	531.60	105.11	End Shut-In(1)
63	69.66	104.95	Open To Flow (2)
121	134.67	106.41	Shut-In(2)
184	533.86	106.84	End Shut-In(2)
185	1536.04	106.93	Final Hydro-static

### Recovery

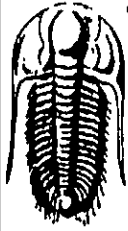
Length (ft)	Description	Volume (bbl)
355.00	CGO 27%g 73%o	4.98
60.00	GMCO 22%g 16%m 62%o	0.84

### Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bennett & Schulte Oil Co.

**17-17s-14w Barton,KS**

PO Box 329  
Russell KS 67665

**Yarmer #17-1**

Job Ticket: 45787

**DST#: 1**

ATTN: Brad Hutchinson

Test Start: 2012.04.13 @ 21:39:34

### Tool Information

Drill Pipe:	Length: 3173.00 ft	Diameter: 3.80 inches	Volume: 44.51 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 43000.00 lb
			<b>Total Volume: 44.51 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3172.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3153.00	
Shut in tool	5.00			3158.00	
HMV	5.00			3163.00	
Packer	4.00			3167.00	20.00 Bottom Of Top Packer
Packer	5.00			3172.00	
Stubb	1.00			3173.00	
Recorder	0.00	8167	Inside	3173.00	
Recorder	0.00	8370	Outside	3173.00	
Perforations	12.00			3185.00	
Bullnose	5.00			3190.00	18.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bennett & Schulte Oil Co.

**17-17s-14w Barton,KS**

PO Box 329  
Russell KS 67665

**Yarmer #17-1**

Job Ticket: 45787

**DST#: 1**

ATTN: Brad Hutchinson

Test Start: 2012.04.13 @ 21:39:34

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

1800 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
355.00	CGO 27%g 73%o	4.980
60.00	GMCO 22%g 16%m 62%o	0.842

Total Length: 415.00 ft      Total Volume: 5.822 bbl

Num Fluid Samples: 0

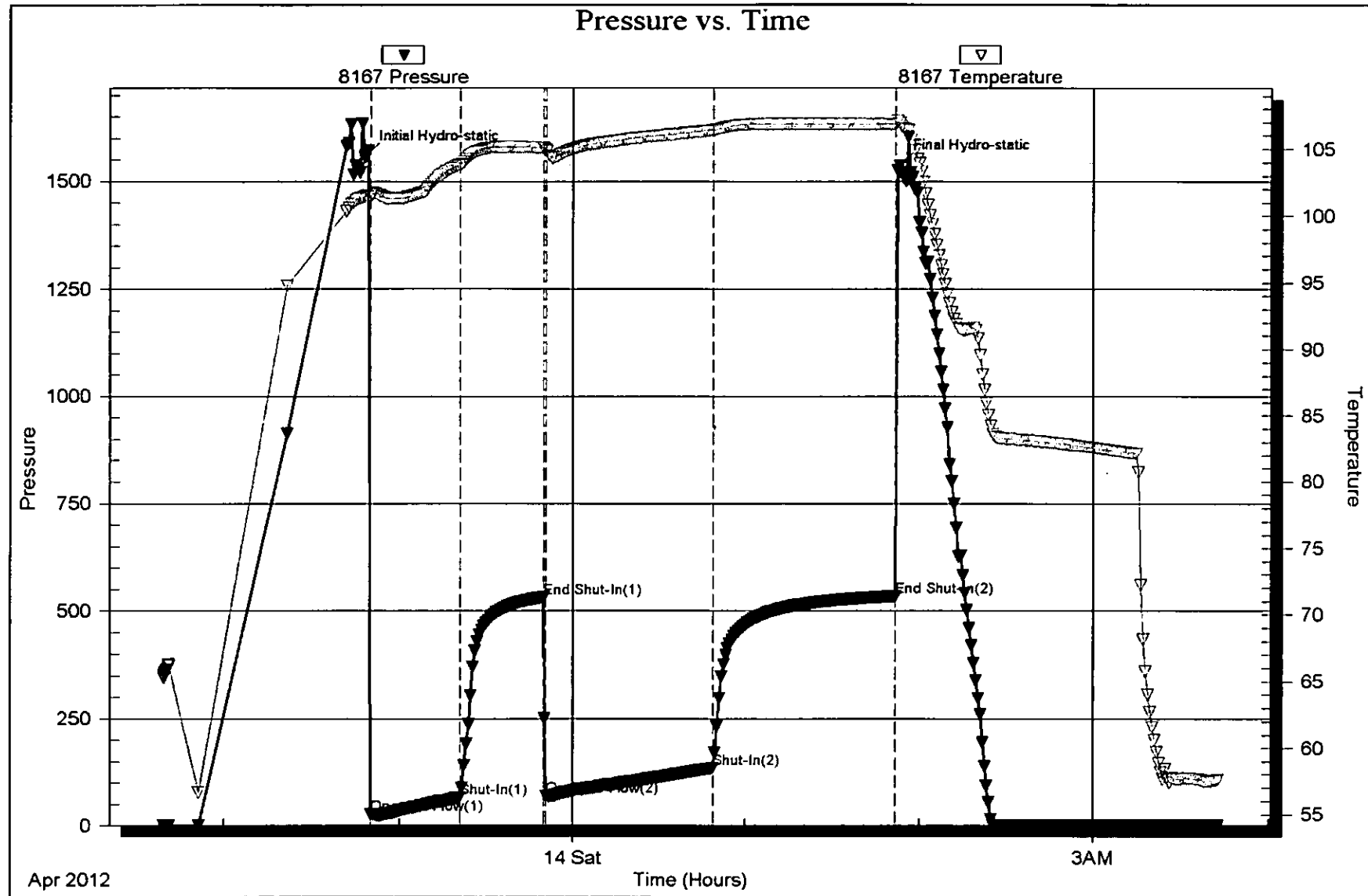
Num Gas Bombs: 0

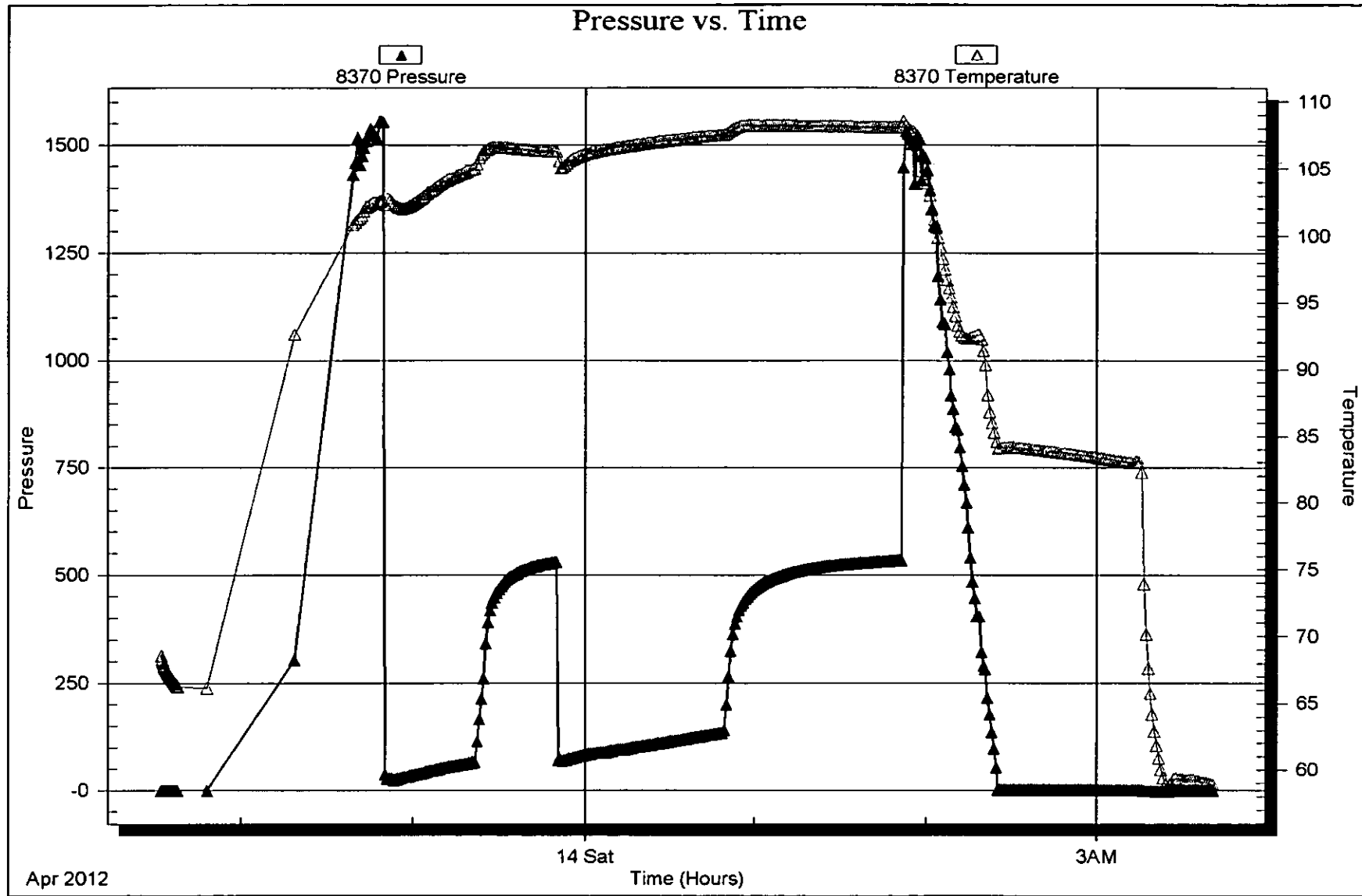
Serial #: none

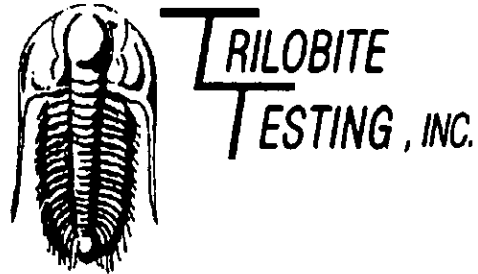
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

PO Box 329  
Russell KS 67665

ATTN: Brad Hutchinson

**Yarmer #17-1**

**17-17s-14w Barton,KS**

Start Date: 2012.04.14 @ 12:53:54

End Date: 2012.04.14 @ 18:06:09

Job Ticket #: 45788                      DST #: 2

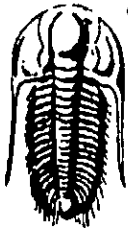
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.17 @ 16:23:45

Bennett & Schulte Oil Co. 17-17s-14w Barton,KS Yarmer #17-1 DST # 2 Lans. 2012.04.14



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

17-17s-14w Barton,KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45788

DST#: 2

ATTN: Brad Hutchinson

Test Start: 2012.04.14 @ 12:53:54

### GENERAL INFORMATION:

Formation: **Lans.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 14:33:54

Time Test Ended: 18:06:09

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Gary Pevoteaux**

Unit No: **56**

Interval: **3225.00 ft (KB) To 3260.00 ft (KB) (TVD)**

Total Depth: **3260.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1925.00 ft (KB)**

**1918.00 ft (CF)**

KB to GR/CF: **7.00 ft**

Serial #: **8167**

Inside

Press@RunDepth: **20.69 psig @ 3226.00 ft (KB)**

Start Date: **2012.04.14**

End Date:

2012.04.14

Start Time: **12:53:55**

End Time:

18:06:09

Capacity: **8000.00 psig**

Last Calib.: **2012.04.14**

Time On Btm: **2012.04.14 @ 14:32:39**

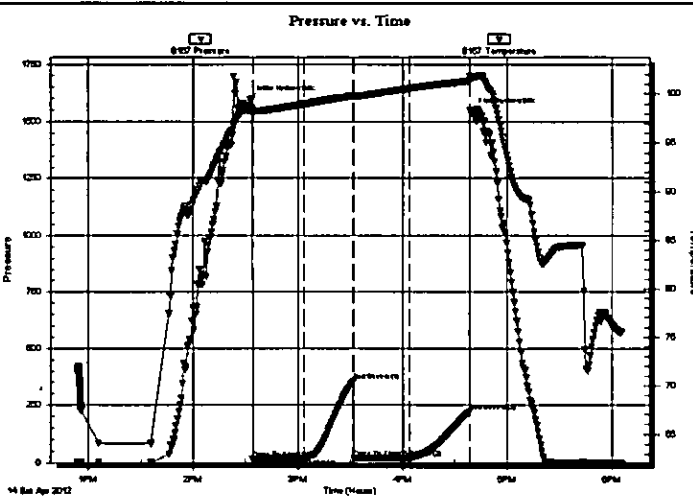
Time Off Btm: **2012.04.14 @ 16:39:54**

TEST COMMENT: IF:Weak blow . 1/4" or less.

IS:No blow .

FF:No blow .

FS:No blow .



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.89	98.51	Initial Hydro-static
2	15.56	97.91	Open To Flow (1)
31	18.47	98.95	Shut-In(1)
59	357.59	99.79	End Shut-In(1)
60	19.45	99.73	Open To Flow (2)
92	20.69	100.57	Shut-In(2)
126	222.40	101.34	End Shut-In(2)
128	1542.00	101.66	Final Hydro-static

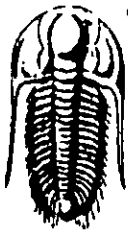
### Recovery

Length (ft)	Description	Volume (bbl)
6.00	Mud w oil specs	0.08

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Bennett & Schulte Oil Co.  
PO Box 329  
Russell KS 67665  
ATTN: Brad Hutchinson

**17-17s-14w Barton,KS**  
**Yarmer #17-1**  
Job Ticket: 45788      **DST#: 2**  
Test Start: 2012.04.14 @ 12:53:54

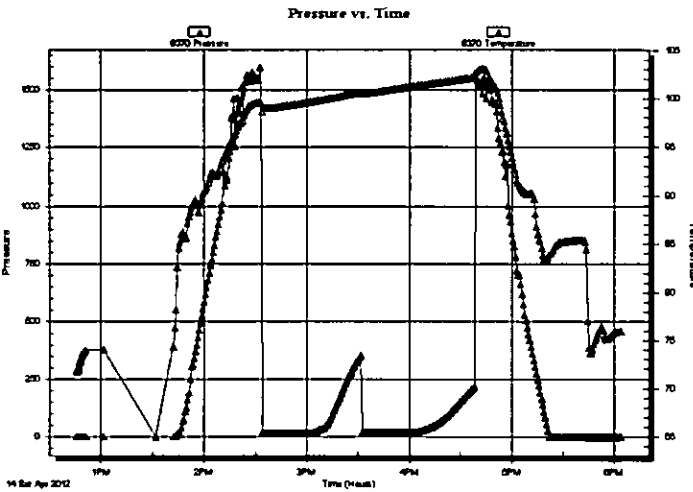
**GENERAL INFORMATION:**

Formation: **Lans.**  
Deviated: **No Whipstock:**      **ft (KB)**  
Time Tool Opened: **14:33:54**  
Time Test Ended: **18:06:09**  
Interval: **3225.00 ft (KB) To 3260.00 ft (KB) (TVD)**  
Total Depth: **3260.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Gary Pevoteaux**  
Unit No: **56**  
Reference Elevations: **1925.00 ft (KB)**  
**1918.00 ft (CF)**  
KB to GR/CF: **7.00 ft**

**Serial #: 8370      Outside**  
Press@RunDepth:      **psig @ 3226.00 ft (KB)**  
Start Date: **2012.04.14**      End Date: **2012.04.14**  
Start Time: **12:45:45**      End Time: **18:04:09**  
Capacity: **8000.00 psig**  
Last Calib.: **2012.04.14**  
Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF:Weak blow . 1/4" or less.  
IS:No blow .  
FF:No blow .  
FS:No blow .

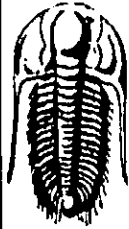


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
6.00	Mud w oil specs	0.08

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Bennett & Schutte Oil Co.

**17-17s-14w Barton,KS**

PO Box 329  
Russell KS 67665

**Yarmer #17-1**

Job Ticket: 45788

**DST#: 2**

ATTN: Brad Hutchinson

Test Start: 2012.04.14 @ 12:53:54

**Tool Information**

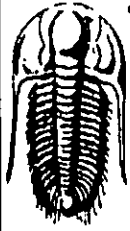
Drill Pipe:	Length: 3237.00 ft	Diameter: 3.80 inches	Volume: 45.41 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 45.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3225.00 ft			Final 31000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 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
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			3206.00	
Shut in tool	5.00			3211.00	
HMV	5.00			3216.00	
Packer	4.00			3220.00	20.00 Bottom Of Top Packer
Packer	5.00			3225.00	
Stubb	1.00			3226.00	
Recorder	0.00	8167	Inside	3226.00	
Recorder	0.00	8370	Outside	3226.00	
Perforations	29.00			3255.00	
Bullnose	5.00			3260.00	35.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>55.00</b>				





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Bennett & Schulte Oil Co.

**17-17s-14w Barton,KS**

PO Box 329  
Russell KS 67665

**Yarmer #17-1**

Job Ticket: 45788

**DST#: 2**

ATTN: Brad Hutchinson

Test Start: 2012.04.14 @ 12:53:54

**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:

8000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
6.00	Mud w oil specs	0.084

Total Length:

6.00 ft

Total Volume:

0.084 bbl

Num Fluid Samples: 0

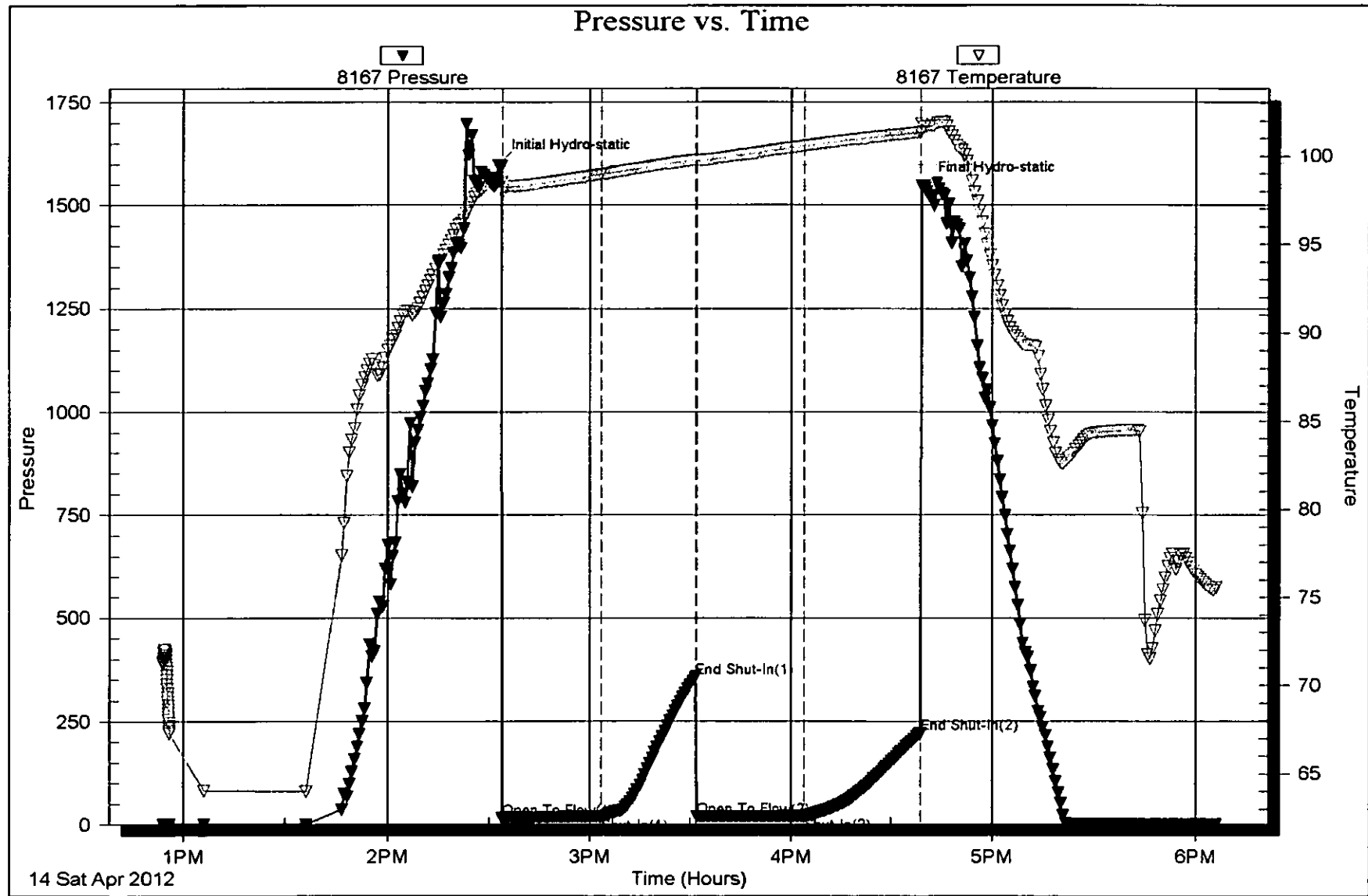
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

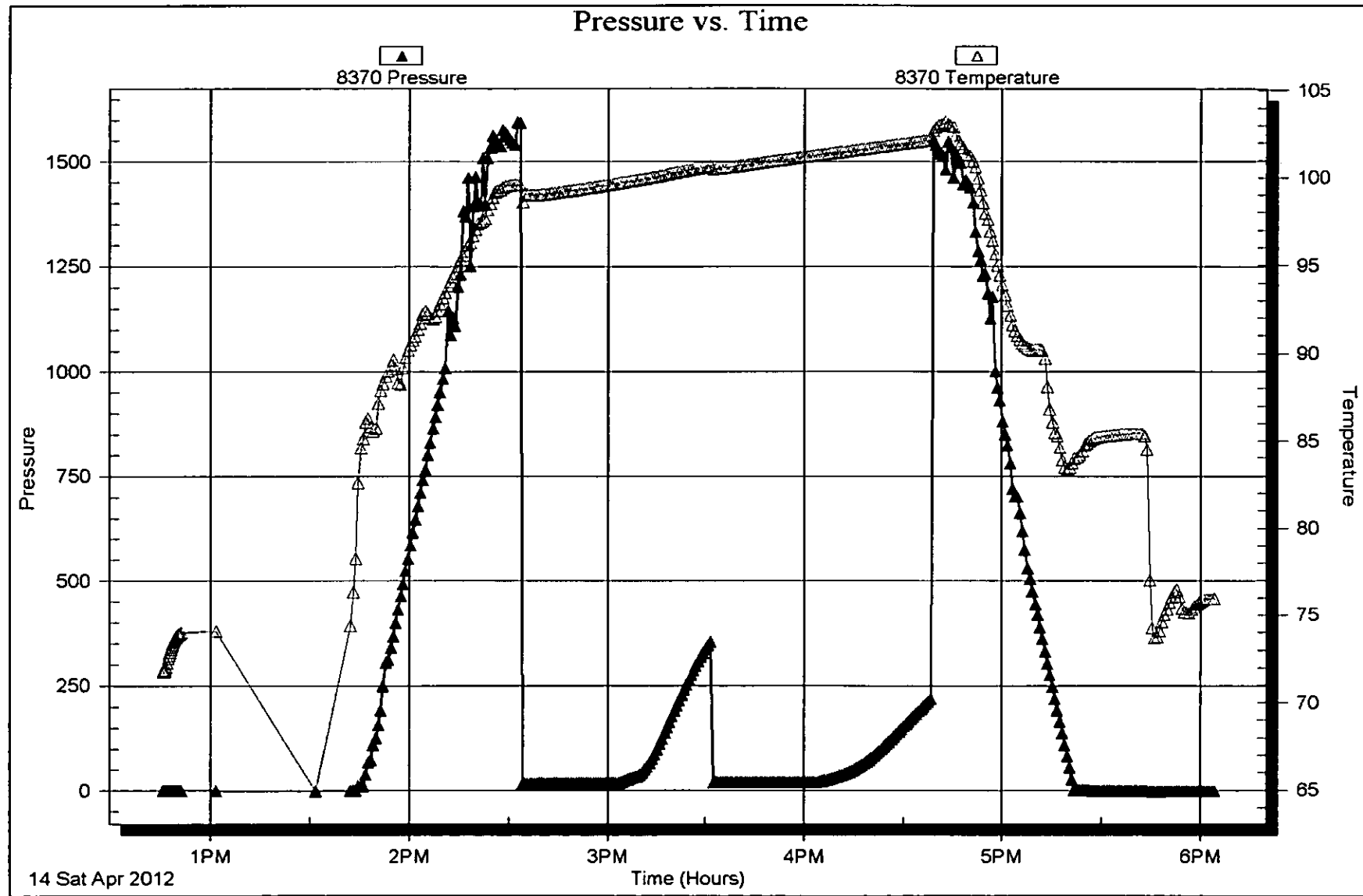


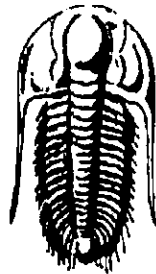
Serial #: 8370

Outside Bennett & Schulte Oil Co.

Yarner #17-1

DST Test Number: 2





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

PO Box 329  
Russell KS 67665

ATTN: Brad Hutchinson

**Yarmer #17-1**

**17-17s-14w Barton,KS**

Start Date: 2012.04.15 @ 06:54:07

End Date: 2012.04.15 @ 13:03:22

Job Ticket #: 45789                      DST #: 3

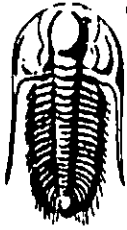
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.17 @ 16:22:22

Bennett & Schulte Oil Co. 17-17s-14w Barton,KS Yarmer #17-1 DST # 3 Arbuckle 2012.04.15



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

17-17s-14w Barton,KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45789

DST#: 3

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 06:54:07

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:52

Time Test Ended: 13:03:22

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3380.00 ft (KB) To 3420.00 ft (KB) (TVD)

Reference Elevations: 1925.00 ft (KB)

Total Depth: 3420.00 ft (KB) (TVD)

1918.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press@RunDepth: 53.81 psig @ 3381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.15

End Date:

2012.04.15

Last Calib.: 2012.04.15

Start Time: 06:54:12

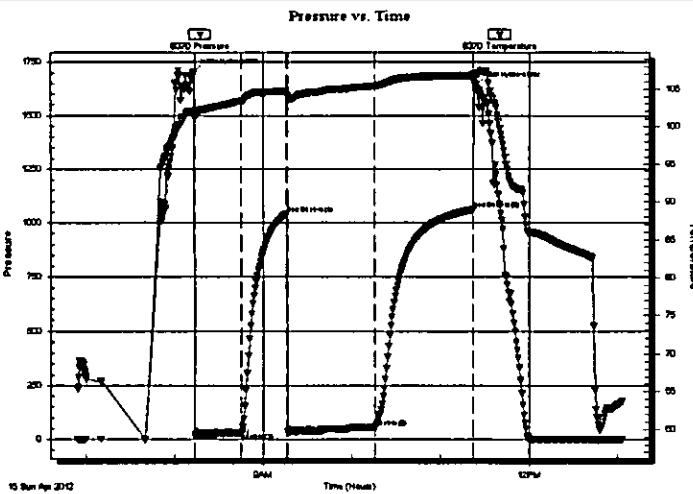
End Time:

13:03:21

Time On Btm: 2012.04.15 @ 08:12:52

Time Off Btm: 2012.04.15 @ 11:23:52

TEST COMMENT: IF:Weak to fair blow . Increase to 5".  
IS:No blow .  
FF:Weak to fair blow . Increase to 7 - 8".  
FS:No blow .



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.94	102.05	Initial Hydro-static
1	19.18	101.17	Open To Flow (1)
33	30.41	103.30	Shut-In(1)
63	1042.55	104.68	End Shut-In(1)
64	33.53	104.11	Open To Flow (2)
123	53.81	105.33	Shut-In(2)
190	1061.38	106.81	End Shut-In(2)
191	1639.83	107.04	Final Hydro-static

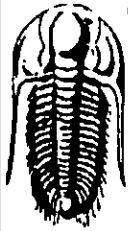
### Recovery

Length (ft)	Description	Volume (bbl)
0.00	45 Ft. of GIP	0.00
20.00	CGO 8%g 92%o	0.28
87.00	GOCM 6%g 21%o 73%m	1.22

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

17-17s-14w Barton, KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45789

DST#: 3

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 06:54:07

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 08:13:52  
 Time Test Ended: 13:03:22

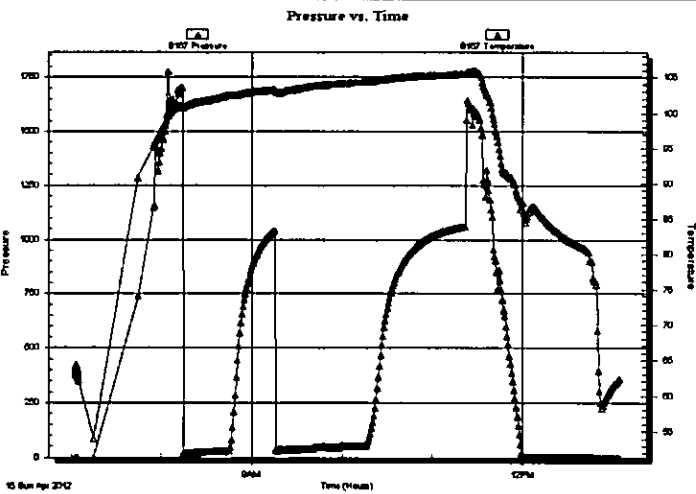
Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Gary Pevoteaux**  
 Unit No: **56**

Interval: **3380.00 ft (KB) To 3420.00 ft (KB) (TVD)**  
 Total Depth: **3420.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1925.00 ft (KB)**  
**1918.00 ft (CF)**  
 KB to GR/CF: **7.00 ft**

**Serial #: 8167**      **Inside**  
 Press@RunDepth:      **psig @ 3381.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2012.04.15**      End Date: **2012.04.15**      Last Calib.: **2012.04.15**  
 Start Time: **07:02:21**      End Time: **13:05:05**      Time On Btm:      Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 5".  
 IS:No blow .  
 FF:Weak to fair blow . Increase to 7 - 8".  
 FS:No blow .

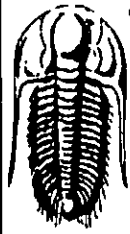


PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	45 Ft. of GIP	0.00
20.00	CGO 8%g 92%o	0.28
87.00	GOCM 6%g 21%o 73%m	1.22

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bennett & Schutte Oil Co.

**17-17s-14w Barton,KS**

PO Box 329  
Russell KS 67665

**Yarmer #17-1**

Job Ticket: 45789

**DST#: 3**

ATTN: Brad Hutchinson

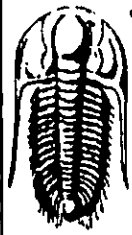
Test Start: 2012.04.15 @ 06:54:07

### Tool Information

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3380.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3361.00	
Shut in tool	5.00			3366.00	
HMV	5.00			3371.00	
Packer	4.00			3375.00	20.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	8167	inside	3381.00	
Recorder	0.00	8370	Outside	3381.00	
Perforations	34.00			3415.00	
Bullnose	5.00			3420.00	40.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>60.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bennett & Schulte Oil Co.

17-17s-14w Barton,KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45789

DST#: 3

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 06:54:07

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

8000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	45 Ft. of GIP	0.000
20.00	CGO 8%g 92%o	0.281
87.00	GOCM 6%g 21%o 73%m	1.220

Total Length: 107.00 ft      Total Volume: 1.501 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

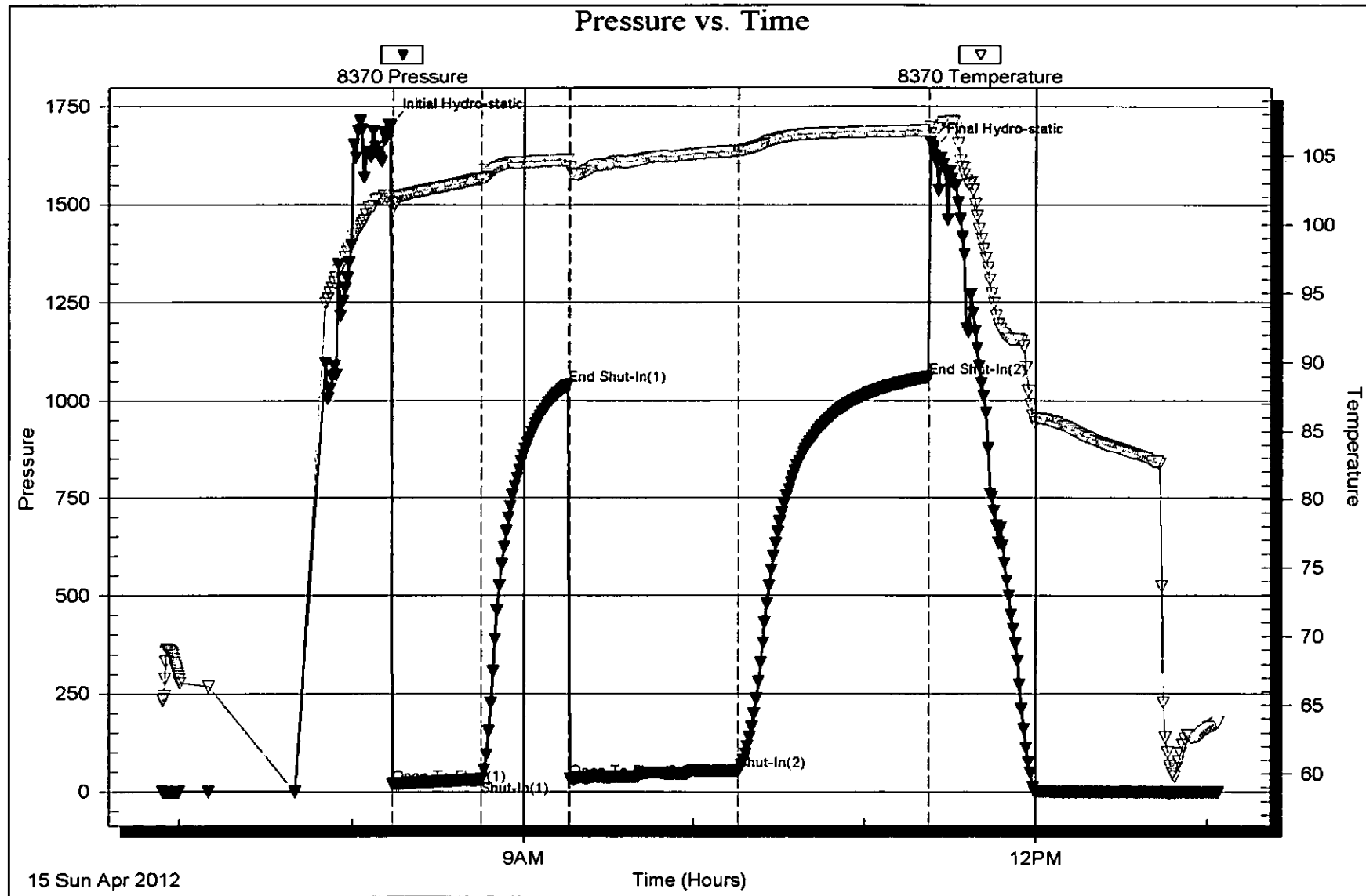
Serial #: none

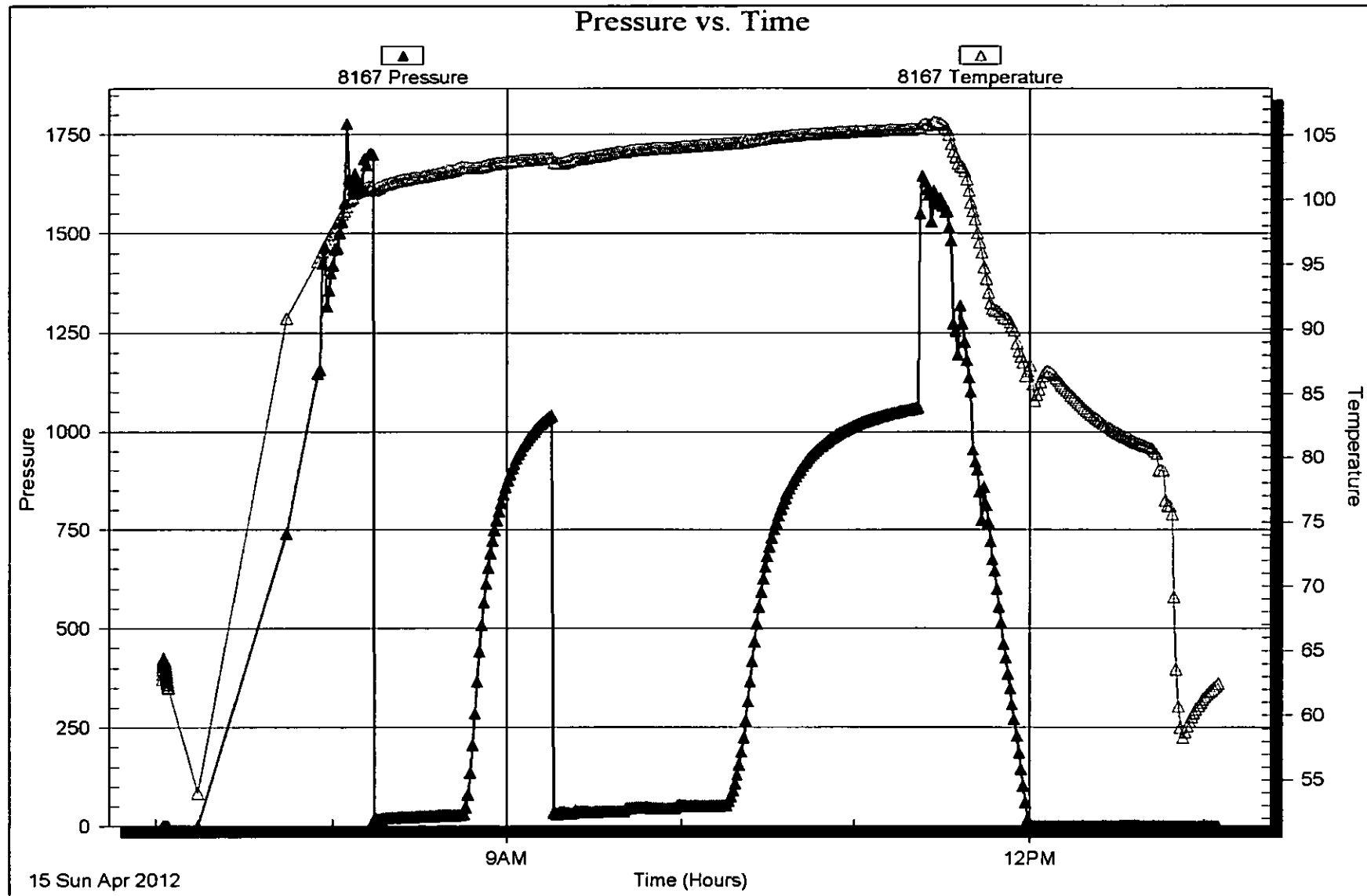
Laboratory Name:

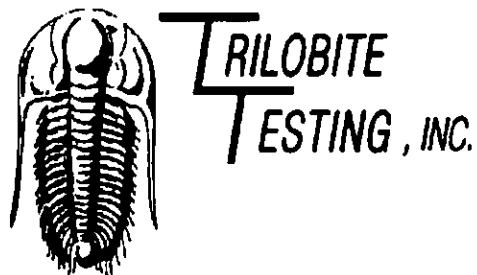
Laboratory Location:

Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

PO Box 329  
Russell KS 67665

ATTN: Brad Hutchinson

**Yarmer #17-1**

**17-17s-14w Barton,KS**

Start Date: 2012.04.15 @ 18:30:27

End Date: 2012.04.15 @ 23:18:57

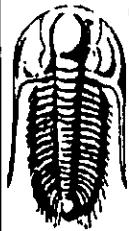
Job Ticket #: 45790                      DST #: 4

Trilobite Testing, Inc

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

Printed: 2012.04.17 @ 16:20:23

Bennett & Schulte Oil Co. 17-17s-14w Barton,KS Yarmer #17-1 DST # 4 Arduckie 2012.04.15



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

17-17s-14w Barton, KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45790

DST#: 4

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 18:30:27

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:39:57

Time Test Ended: 23:18:57

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Gary Pevoteaux**

Unit No: **56**

Interval: **3420.00 ft (KB) To 3430.00 ft (KB) (TVD)**

Reference Elevations: **1925.00 ft (KB)**

Total Depth: **3430.00 ft (KB) (TVD)**

**1918.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **7.00 ft**

Serial #: **8167**

Inside

Press@RunDepth: **282.31 psig @ 3421.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.04.15**

End Date:

**2012.04.15**

Last Calib.:

**2012.04.15**

Start Time: **18:30:28**

End Time:

**23:18:57**

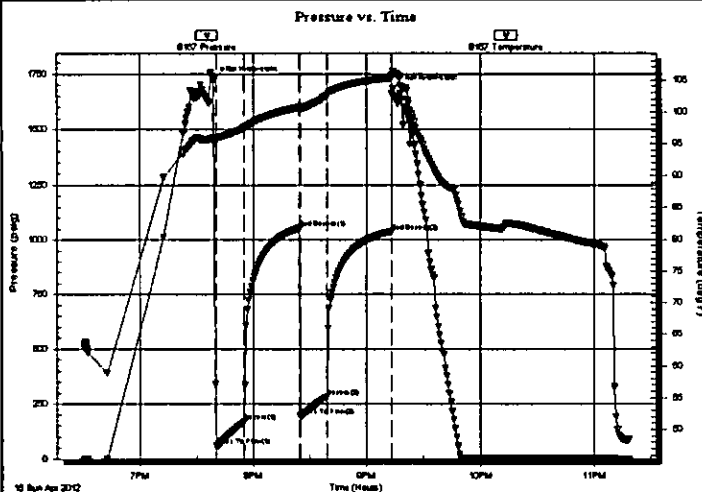
Time On Btm:

**2012.04.15 @ 19:38:42**

Time Off Btm:

**2012.04.15 @ 21:13:57**

TEST COMMENT: IF: Strong blow . B.O.B. in 93 secs.  
IS: Weak blow . 1 - 4 1/2".  
FF: Strong blow . B.O.B. in 2 mins.  
FS: Weak blow . 1 - 3".



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.51	95.89	Initial Hydro-static
2	60.00	95.69	Open To Flow (1)
17	169.04	97.45	Shut-In(1)
46	1052.39	100.70	End Shut-In(1)
47	193.77	100.51	Open To Flow (2)
61	282.31	102.57	Shut-In(2)
95	1035.90	105.27	End Shut-In(2)
96	1685.02	106.32	Final Hydro-static

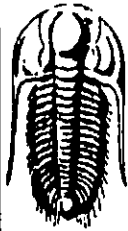
### Recovery

Length (ft)	Description	Volume (bbl)
0.00	445 ft. of GIP	0.00
670.00	CGO 20%g 80%o	9.40
180.00	GMCO 19%g 22%m 59%o	2.52

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

17-17s-14w Barton, KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45790

DST#: 4

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 18:30:27

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:39:57

Time Test Ended: 23:18:57

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Gary Pevoteaux**

Unit No: **56**

Interval: **3420.00 ft (KB) To 3430.00 ft (KB) (TVD)**

Reference Elevations: **1925.00 ft (KB)**

Total Depth: **3430.00 ft (KB) (TVD)**

**1918.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **7.00 ft**

Serial #: **8370** Outside

Press@RunDepth: **psig @ 3421.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.04.15** End Date: **2012.04.15**

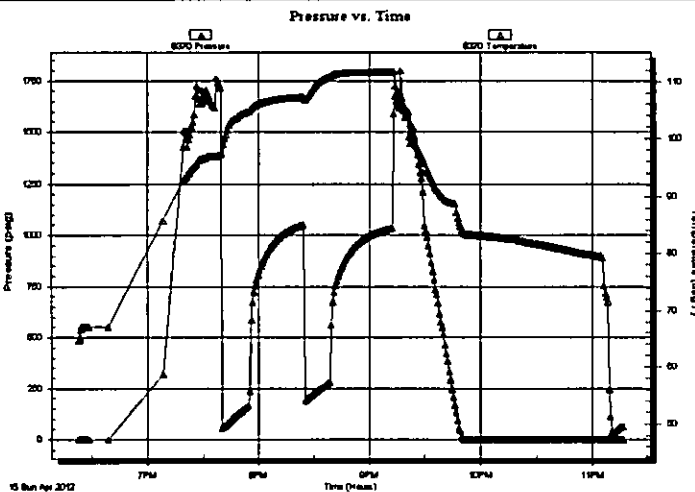
Last Calib.: **2012.04.15**

Start Time: **18:22:46** End Time: **23:16:55**

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 93 secs.  
IS: Weak blow . 1 - 4 1/2".  
FF: Strong blow . B.O.B. in 2 mins.  
FS: Weak blow . 1 - 3".



### PRESSURE SUMMARY

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

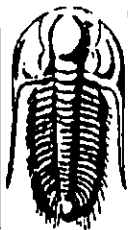
### Recovery

Length (ft)	Description	Volume (bbl)
0.00	445 ft. of GIP	0.00
670.00	CGO 20%g 80%o	9.40
180.00	GMCO 19%g 22%m 59%o	2.52

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bennett & Schulte Oil Co.

**17-17s-14w Barton,KS**

PO Box 329  
Russell KS 67665

**Yarmer #17-1**

Job Ticket: 45790

**DST#: 4**

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 18:30:27

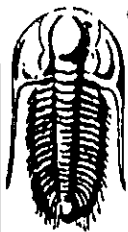
### Tool Information

Drill Pipe:	Length: 3427.00 ft	Diameter: 3.80 inches	Volume: 48.07 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 48.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3420.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

C.O. Sub	1.00			3401.00	
Shut in tool	5.00			3406.00	
HMV	5.00			3411.00	
Packer	4.00			3415.00	20.00 Bottom Of Top Packer
Packer	5.00			3420.00	
Stubb	1.00			3421.00	
Recorder	0.00	8167	Inside	3421.00	
Recorder	0.00	8370	Outside	3421.00	
Perforations	4.00			3425.00	
Bullnose	5.00			3430.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>30.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co.

17-17s-14w Barton,KS

PO Box 329  
Russell KS 67665

Yarmer #17-1

Job Ticket: 45790

DST#: 4

ATTN: Brad Hutchinson

Test Start: 2012.04.15 @ 18:30:27

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

8000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	445 ft.of GIP	0.000
670.00	CGO 20%g 80%o	9.398
180.00	GMCO 19%g 22%m 59%o	2.525

Total Length: 850.00 ft      Total Volume: 11.923 bbl

Num Fluid Samples: 0

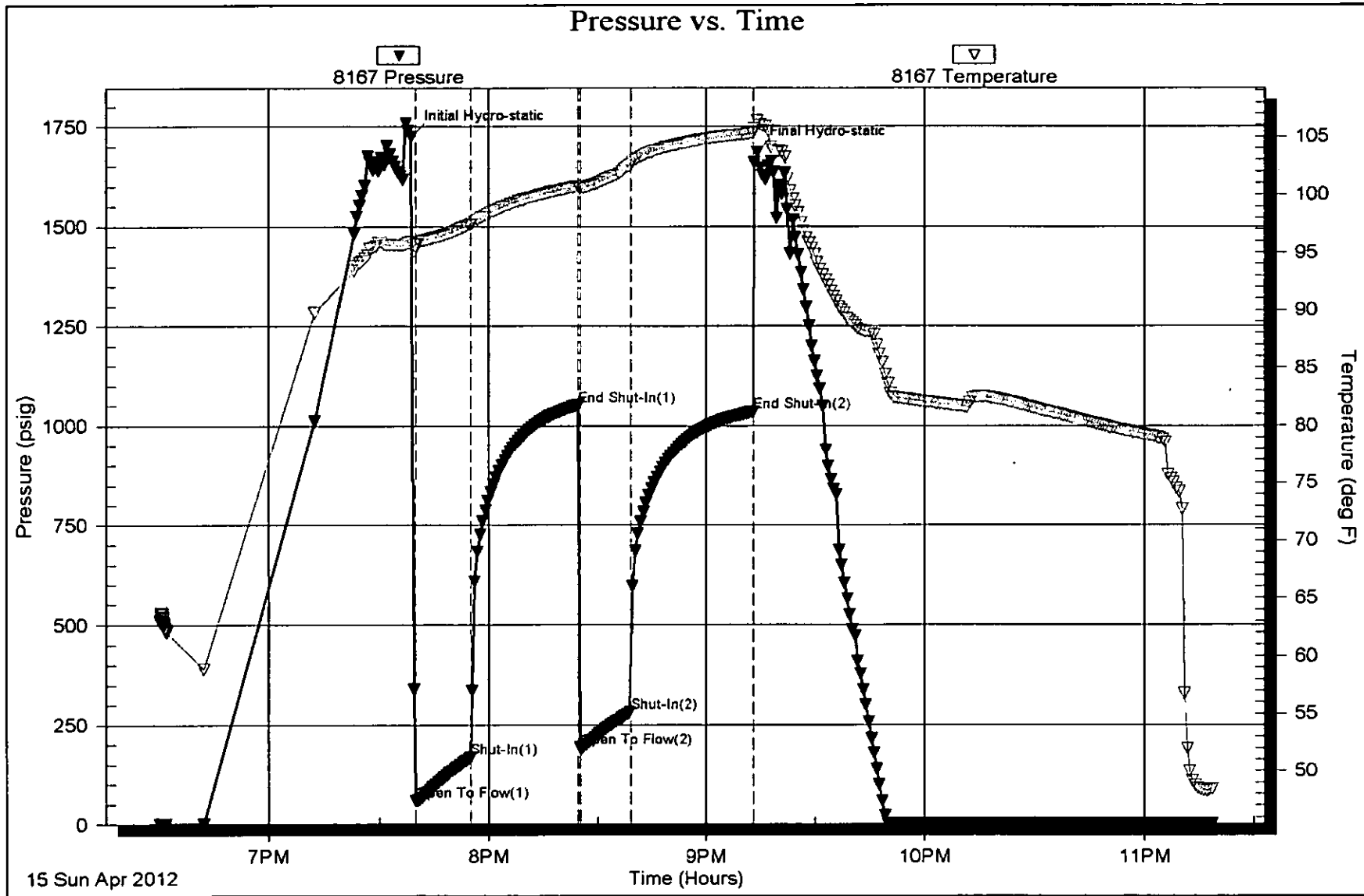
Num Gas Bombs: 0

Serial #: none

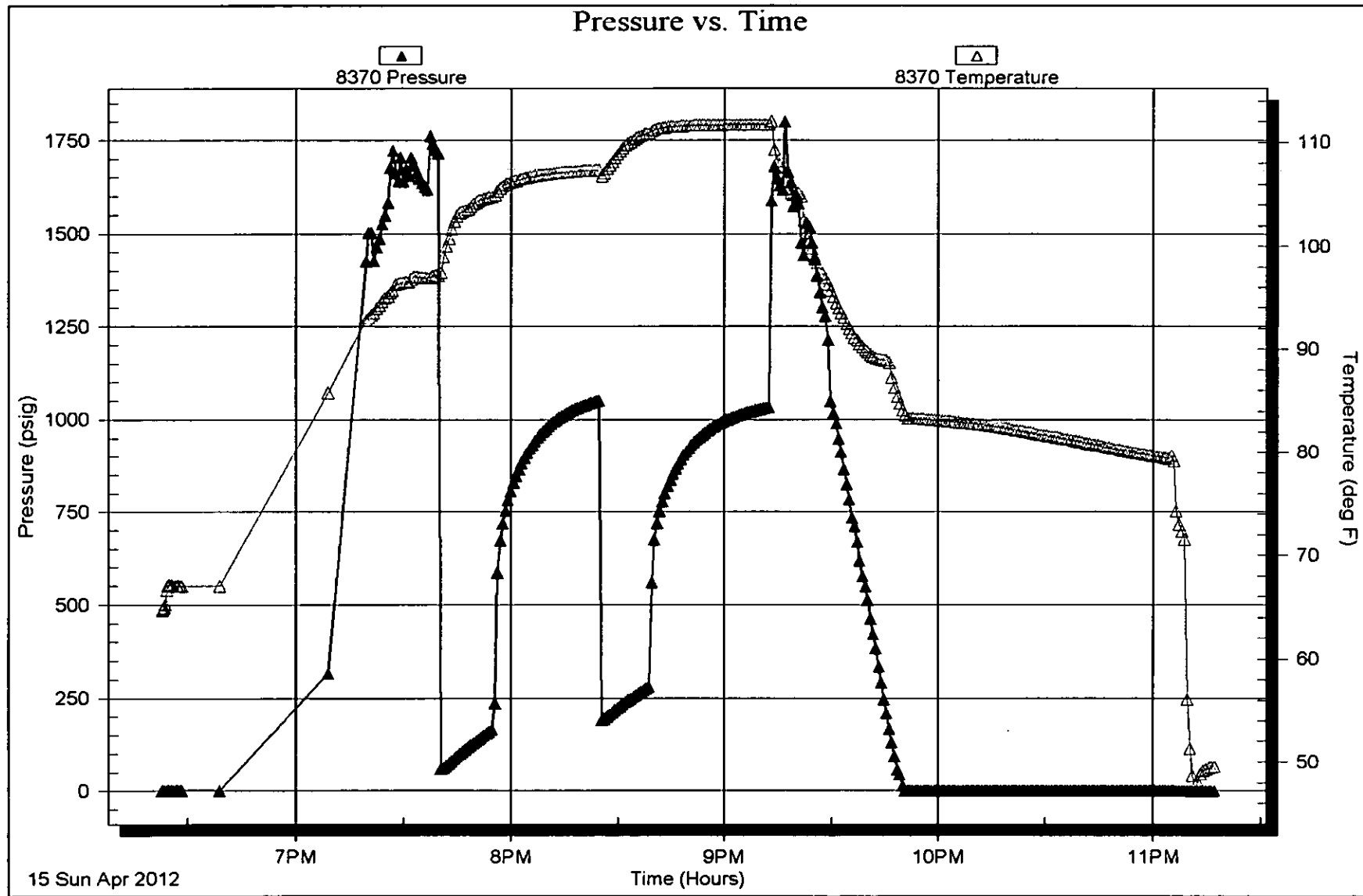
Laboratory Name:

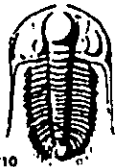
Laboratory Location:

Recovery Comments:









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## Test Ticket

NO. 45787

Well Name & No. FARMER # 17-1 Test No. 1 Date 4-13-12  
 Company BUNNETT & SCHULTZ OIL CO Elevation 1925 KB 1918 GL  
 Address P.O. Box 32d, Russell Ks. 67665  
 Co. Rep / Geo. BRAD H. JOHNSON Rig ROYAL DRILG. # 2  
 Location: Sec. 17 Twp. 17S Rge. 14W Co. BARTON State Ks.

Interval Tested 3172 ~ 3190 Zone Tested LANS. A-B  
 Anchor Length 18 Drill Pipe Run 3173' Mud Wt. 8.9  
 Top Packer Depth 3167' Drill Collars Run 0 Vis 56  
 Bottom Packer Depth 3172' Wt. Pipe Run 0 WL 8.0  
 Total Depth 3190' Chlorides 1800 ppm System LCM 1 1/2 #  
 Blow Description IF: Strong blow 30.3 in 1 min. ISI; No blow

IF: Strong blow. 30.3 in 1 min. ISI; No blow  
IF: Strong blow. 30.3 in 1 min. ISI; No blow  
ESI: Strong blow. 30.3

Rec	Feet of	%gas	%oil	%water	%mud
<u>355</u>	<u>CGO</u>	<u>27</u>	<u>73</u>		
<u>60</u>	<u>GMCO</u>				

Rec Total 415 (Flow) BHT Gravity 37.4 API RW N.C. @ ~ F Chlorides 1800 ppm

(A) Initial Hydrostatic <u>1557</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>2056</u>
(B) First Initial Flow <u>27</u>	<input type="checkbox"/> Jars	T-Started <u>2139</u>
(C) First Final Flow <u>65</u>	<input type="checkbox"/> Safety Joint	T-Open <u>2250</u>
(D) Initial Shut-In <u>532</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0151</u>
(E) Second Initial Flow <u>70</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0342</u>
(F) Second Final Flow <u>135</u>	<input checked="" type="checkbox"/> Mileage <u>138</u> <u>193.20</u>	Comments _____
(G) Final Shut-In <u>534</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1536</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Total <u>1318.20</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1318.20</u>	

Approved By \_\_\_\_\_ Our Representative Cory [Signature]  
 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.



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BY: \_\_\_\_\_

## Test Ticket

NO. 45788

Well Name & No. YARMEIR #17-1 Test No. 2 Date 4-11-12  
 Company BENNETT F SCHULTE OIL CO Elevation 1925 KB 1918 GL  
 Address P.O. Box 319, Russell Ks. 67665  
 Co. Rep / Geo. BRAD HUTCHINSON Rig ROYAL DRILG. #2  
 Location: Sec. 17 Twp. 17S Rge. 14W Co. BARTON State Ks.

Interval Tested 3225 - 3260' Zone Tested LANS  
 Anchor Length 35' Drill Pipe Run 3237' Mud Wt. 9.0  
 Top Packer Depth 3220' Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 3225' Wt. Pipe Run 0 WL 8.8 cc  
 Total Depth 3260' Chlorides 8,000 ppm System LCM 1<sup>st</sup>  
 Blow Description IF: Weak blow. 1/4" on lead. ISI: No blow.

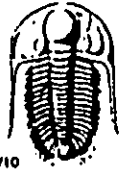
FF: No blow. FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>6</u>	<u>Mud w oil spec</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 6 Flow BHT 101° Gravity N/A API RW NC. @ F Chlorides 8,000 ppm  
 (A) Initial Hydrostatic 1598'  Test 1125' T-On Location 1235  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 1253  
 (C) First Final Flow 18  Safety Joint \_\_\_\_\_ T-Open 1433  
 (D) Initial Shut-In 358  Circ Sub \_\_\_\_\_ T-Pulled 1636  
 (E) Second Initial Flow 19  Hourly Standby \_\_\_\_\_ T-Out 1806  
 (F) Second Final Flow 21  Mileage (138) 193.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 222  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1542  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_  
 Final Flow 30  Day Standby \_\_\_\_\_  
 Final Shut-In 30  Accessibility \_\_\_\_\_  
 Sub Total 1318.20 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Cony [Signature]  
 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.



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## Test Ticket

NO. 45789

Well Name & No. YARMER #17-1 Test No. 3 Date 4-15-12  
 Company BENNETT & SCHULTZ Oil Co. Elevation 1925 KB 1918 GL  
 Address P.O. BOX 329, Russell Ks. 67665  
 Co. Rep / Geo. BRAD HUTCHINSON Rig ROYAL DRILG. #2  
 Location: Sec. 17 Twp. 17S Rge. 14SW Co. BARTON State Ks.

Interval Tested 3380 - 3420' Zone Tested ARBUCKLE  
 Anchor Length 40' Drill Pipe Run 3364' Mud Wt. 9.1  
 Top Packer Depth 3375' Drill Collars Run 0 Vis 54  
 Bottom Packer Depth 3380' Wt. Pipe Run 0 WL 10.8cc  
 Total Depth 3420' Chlorides 8,000 ppm System LCM 1 1/2

Blow Description IF: Wash to fair below. Increase to 5".  
ISI: No blow.  
FF: Wash to fair below. Increase to 7-8". FSI, No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Feet of CGO in pipe</u>				
<u>20</u>	<u>Feet of CGO</u>	<u>8</u>	<u>92</u>		
<u>87</u>	<u>Feet of GOCM</u>	<u>6</u>	<u>21</u>		<u>73</u>

Rec Total 107' (fluid) BHT 102° Gravity 37.8 API RW N.C. @ 2 F Chlorides 8000 ppm  
 (A) Initial Hydrostatic 1203  Test 1150 T-On Location 0643  
 (B) First Initial Flow 19  Jars \_\_\_\_\_ T-Started 0654  
 (C) First Final Flow 30  Safety Joint \_\_\_\_\_ T-Open 0813  
 (D) Initial Shut-In 1042  Circ Sub \_\_\_\_\_ T-Pulled 1124  
 (E) Second Initial Flow 34  Hourly Standby \_\_\_\_\_ T-Out 1303  
 (F) Second Final Flow 54  Mileage (138) 213.90 Comments \_\_\_\_\_  
 (G) Final Shut-In 1061  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1640  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 40  
 Final Shut-In 40  
 Sub Total 0  
 Total \_\_\_\_\_  
 MP/DST Disc \_\_\_\_\_

Approved By \_\_\_\_\_ Sub Total 13603.90  
 Our Representative Ernie P. [Signature]  
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**Test Ticket**

NO. 45790

Well Name & No. YARMER #17-1 Test No. 4 Date 4-15-12  
 Company BENNETT & SCHULTE OIL CO Elevation 1925 KB 1918 GL  
 Address RUSSELL KS 67665  
 Co. Rep / Geo. BRAD HUTCHINSON Rig ROYAL DRUG #2  
 Location: Sec. 17 Twp. 17<sup>S</sup> Rge. 14<sup>W</sup> Co. BAITON State Ks.

Interval Tested 3420~3430' Zone Tested ARBUCKLE  
 Anchor Length 10' Drill Pipe Run 3427' Mud Wt. 9.1  
 Top Packer Depth 3415' Drill Collars Run 0 Vis 54  
 Bottom Packer Depth 3420' Wt. Pipe Run 0 WL 108cc  
 Total Depth 3430' Chlorides 8,000 ppm System LCM 1\*

Blow Description IF: Strong blow. B.O.B. in 93 sec. IST: Weak blow. 1-4 1/2"  
FF: Strong blow B.O.B. in 2 min. EST: Weak blow. 1-3"

Rec	Feet of	%gas	%oil	%water	%mud
<u>445</u>	<u>Cas in pipe</u>				
<u>670</u>	<u>CGO</u>	<u>20</u>	<u>80</u>		
<u>180</u>	<u>CMCO</u>	<u>19</u>	<u>59</u>	<u>22</u>	

Rec Total 750 Fluid BHT 105° Gravity 32.8 API RW NC @ F Chlorides 8,000 ppm  
 (A) Initial Hydrostatic 1725 ✓ Test 1150' T-On Location 1815  
 (B) First Initial Flow 60 □ Jars \_\_\_\_\_ T-Started 1830  
 (C) First Final Flow 169 □ Safety Joint \_\_\_\_\_ T-Open 1939  
 (D) Initial Shut-In 1052 □ Circ Sub \_\_\_\_\_ T-Pulled 2114  
 (E) Second Initial Flow 194 □ Hourly Standby \_\_\_\_\_ T-Out 2318  
 (F) Second Final Flow 282 ✓ Mileage 138 213.90 Comments \_\_\_\_\_  
 (G) Final Shut-In 1036 □ Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1685 □ Straddle \_\_\_\_\_  
 □ Ruined Shale Packer \_\_\_\_\_  
 □ Ruined Packer \_\_\_\_\_

Initial Open 75 □ Extra Packer \_\_\_\_\_  
 Initial Shut-In 30 □ Extra Recorder \_\_\_\_\_  
 Final Flow 15 □ Day Standby \_\_\_\_\_  
 Final Shut-In 30 □ Accessibility \_\_\_\_\_  
 Sub Total 1363.90 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1363.90

Approved By \_\_\_\_\_ Our Representative Brad Hutchinson  
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