



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1198121  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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       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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1198121

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. 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Phillips Exploration Company L.C.
Well Name	Rosproy 1-20
Doc ID	1198121

Tops

Name	Top	Datum
Anhy	1753	+593
B/ Anhy	1793	+553
Top	3322	-976
Heeb	3586	-1240
Tor	3604	-1258
Lans	3626	-1280
B/KC	3904	-1558
Miss	4198	1852
LTD	4266	-1920

# 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. 6888

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-4-13	20	14	24	Trego	KS		8:30PM

Location *Trego Center 45 to V Rd, 7W, S2*

Lease	Well No.	Owner
<i>Rosproy</i>	<i>1-20</i>	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		
<i>Mirfin 16</i>		
Type Job		
<i>Surface</i>		
Hole Size	T.D.	Charge To
<i>12 1/4</i>	<i>220</i>	<i>Phillips Exp.</i>
Csg.	Depth	Street
<i>8 5/8</i>	<i>217.78</i>	
Tbg. Size	Depth	City
		State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left In Csg.	Shoe Joint	Cement Amount Ordered
<i>20</i>	<i>20</i>	<i>1.50 com 3% cc 2% gel</i>
Meas Line	Displace	
	<i>12 1/2 bbl</i>	

**EQUIPMENT**

Pumptrk	No.	Cementer	Common
<i>16</i>		<i>billy</i>	<i>150</i>
		Helper	Poz. Mix
Bulktrk	No.	Driver	Gel.
<i>14</i>		<i>claton</i>	<i>3</i>
		Driver	Calcium
Bulktrk	No.	Driver	<i>5</i>
<i>PU</i>		<i>Travis</i>	

**JOB SERVICES & REMARKS**

Remarks:	Hulls
<i>cement did circulate</i>	
Rat Hole	Salt
	Flowseal
Mouse Hole	Kol-Seal
	Mud CLR 48
Centralizers	CFL-117 or CD110 CAF 38
	Sand
Baskets	Handling <i>158</i>
	Mileage
D/V or Port Collar	

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge *Surface*  
Mileage *43*

Signature <i>Ag Dial</i>	Tax
	Discount
	Total Charge

# 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. 7858

Date	9-11-13	Sec.	20	Twp.	14	Range	24	County	Frego	State	KS	On Location		Finish	7:00 PM
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Location Frego Center 45

Le Rosproy Well No. 1-20 Owner 7W Sinto

Contractor Martin 16

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 plug 506

Charge To Phillips Exploration

Hole Size 7 7/8 T.D. 4270

Street Phillips Exploration

Csg. Drill pipe Depth

City State

Tbg. Size Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Tool Depth

Cement Left in Csg. Shoe Joint Cement Amount Ordered 220 60/40 490

Meas Line Displace gel 1/4 flow

**EQUIPMENT**

Pumptrk	5	No.	Cementor		Common	132
			Helper	<u>Matt</u>	Poz. Mix	88

Bulktrk	1	No.	Driver		Gel.	8
			Driver	<u>Konnie W</u>	Calcium	

Bulktrk	04	No.	Driver		Hulls	
			Driver	<u>David</u>	Salt	

**JOB SERVICES & REMARKS**

Remarks:

Hulls

Rat Hole 30 SKS

Salt

Mouse Hole 15 SKS

Flowseal 50#

Centralizers

Kol-Seal

Baskets

Mud CLR 48

D/V or Port Collar

CFL-117 or CD110 CAF 38

1st 1774 ft 25 SKS

Sand

2nd 841 ft 100 SKS

Handling 228

3rd 267 ft 40 SKS

Mileage

4th 40 10 SKS

**FLOAT EQUIPMENT**

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Wood Plug

Pumptrk Charge plug

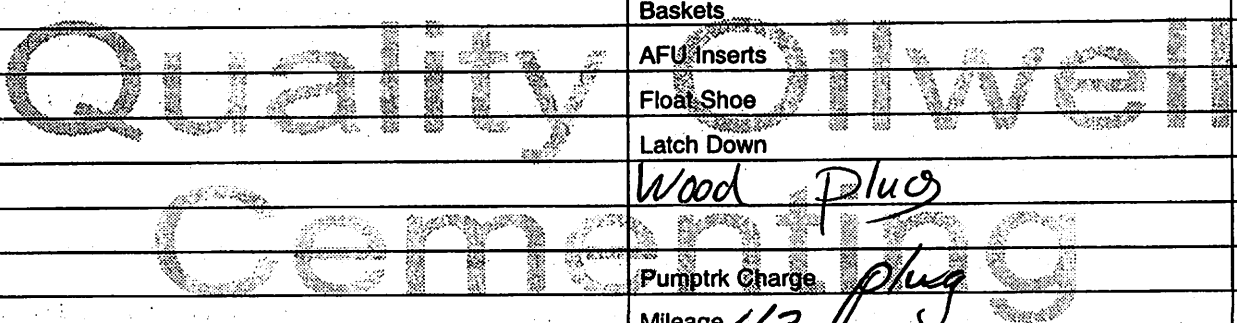
Mileage 43

Signature By [Signature]

Tax

Discount

Total Charge



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair  
Thomas E. Wright, Commissioner  
Jay Scott Emler, Commissioner

Sam Brownback, Governor

April 10, 2014

James B. Phillips  
Phillips Exploration Company L.C.  
211 CEDAR RIDGE CT  
PO BOX 850  
ANDOVER, KS 67002-0850

Re: ACO-1  
API 15-195-22886-00-00  
Rosproy 1-20  
SW/4 Sec.20-14S-24W  
Trego County, Kansas

Dear James B. Phillips:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 09/03/2013 and the ACO-1 was received on April 07, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



## DRILL STEM TEST REPORT

Prepared For: **Phillips Exploratiom Co.**

PO Box 850  
Andover KS 67002

ATTN: Jim Phillips

### **Rosproy #1-20**

#### **20-14s-24w Trego,KS**

Start Date: 2013.09.08 @ 14:30:00

End Date: 2013.09.08 @ 21:58:30

Job Ticket #: 54768                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.11 @ 16:15:52



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Phillips Exploration Co.  
PO Box 850  
Andover KS 67002  
ATTN: Jim Phillips

**20-14s-24w Trego, KS**  
**Rosproy #1-20**  
Job Ticket: 54768 **DST#: 1**  
Test Start: 2013.09.08 @ 14:30:00

## GENERAL INFORMATION:

Formation: **KC "A-C"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 16:51:30  
Time Test Ended: 21:58:30  
Interval: **3622.00 ft (KB) To 3690.00 ft (KB) (TVD)**  
Total Depth: 3690.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2346.00 ft (KB)  
2341.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brett Dickinson  
Unit No: 59

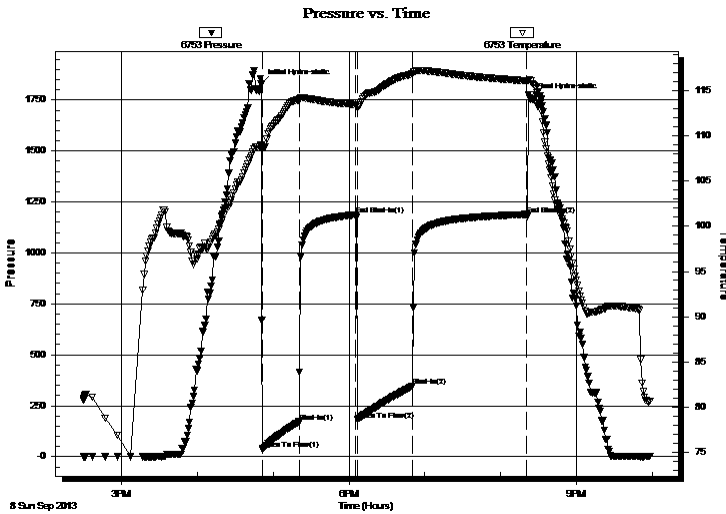
## Serial #: 6753

Inside

Press @ Run Depth: 346.49 psig @ 3628.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.09.08 End Date: 2013.09.08 Last Calib.: 2013.09.08  
Start Time: 14:30:05 End Time: 21:58:29 Time On Btm: 2013.09.08 @ 16:50:30  
Time Off Btm: 2013.09.08 @ 20:23:00

TEST COMMENT: IF-BOB in 9 min  
ISI-No blow  
FF-BOB in 13 min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.99	108.96	Initial Hydro-static
1	36.27	108.62	Open To Flow (1)
30	171.09	113.95	Shut-In(1)
75	1186.74	113.49	End Shut-In(1)
76	180.89	113.18	Open To Flow (2)
120	346.49	116.86	Shut-In(2)
210	1188.51	116.11	End Shut-In(2)
213	1759.60	116.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
500.00	SMCW 10%M 90%W	6.74
240.00	WCM 30%W 70%M	3.37

## Gas Rates

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





**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

Phillips Exploration Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54768      **DST#: 1**

ATTN: Jim Phillips

Test Start: 2013.09.08 @ 14:30:00

## GENERAL INFORMATION:

Formation: **KC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:51:30

Time Test Ended: 21:58:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3622.00 ft (KB) To 3690.00 ft (KB) (TVD)**

Reference Elevations: 2346.00 ft (KB)

Total Depth: 3690.00 ft (KB) (TVD)

2341.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8319**      **Outside**

Press @RunDepth: psig @ 3628.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.08

End Date: 2013.09.08

Last Calib.: 2013.09.08

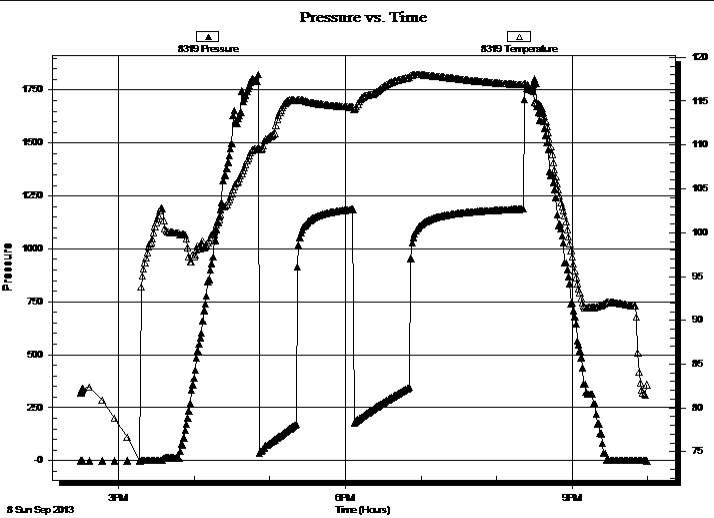
Start Time: 14:30:05

End Time: 21:58:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 9 min  
ISI-No blow  
FF-BOB in 13 min  
FSI-No blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
500.00	SMCW 10%M 90%W	6.74
240.00	WCM 30%W 70%M	3.37

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Phillips Exploratiom Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54768

**DST#: 1**

ATTN: Jim Phillips

Test Start: 2013.09.08 @ 14:30:00

## Tool Information

Drill Pipe:	Length: 3581.00 ft	Diameter: 3.80 inches	Volume: 50.23 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3622.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	92.00 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			3599.00	
Shut In Tool	5.00			3604.00	
Hydraulic tool	5.00			3609.00	
Safety Joint	3.00			3612.00	
Packer - Shale	5.00			3617.00	
Packer	5.00			3622.00	24.00 Bottom Of Top Packer
Stubb	1.00			3623.00	
Perforations	5.00			3628.00	
Recorder	0.00	6753	Inside	3628.00	
Recorder	0.00	8319	Outside	3628.00	
Change Over Sub	1.00			3629.00	
Drill Pipe	32.00			3661.00	
Change Over Sub	1.00			3662.00	
Perforations	25.00			3687.00	
Bullnose	3.00			3690.00	68.00 Anchor Tool

**Total Tool Length: 92.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Phillips Exploratiom Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54768

**DST#: 1**

ATTN: Jim Phillips

Test Start: 2013.09.08 @ 14:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity: 100000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	SMCW 10%M 90%W	6.740
240.00	WCM 30%W 70%M	3.367

Total Length: 740.00 ft      Total Volume: 10.107 bbl

Num Fluid Samples: 0

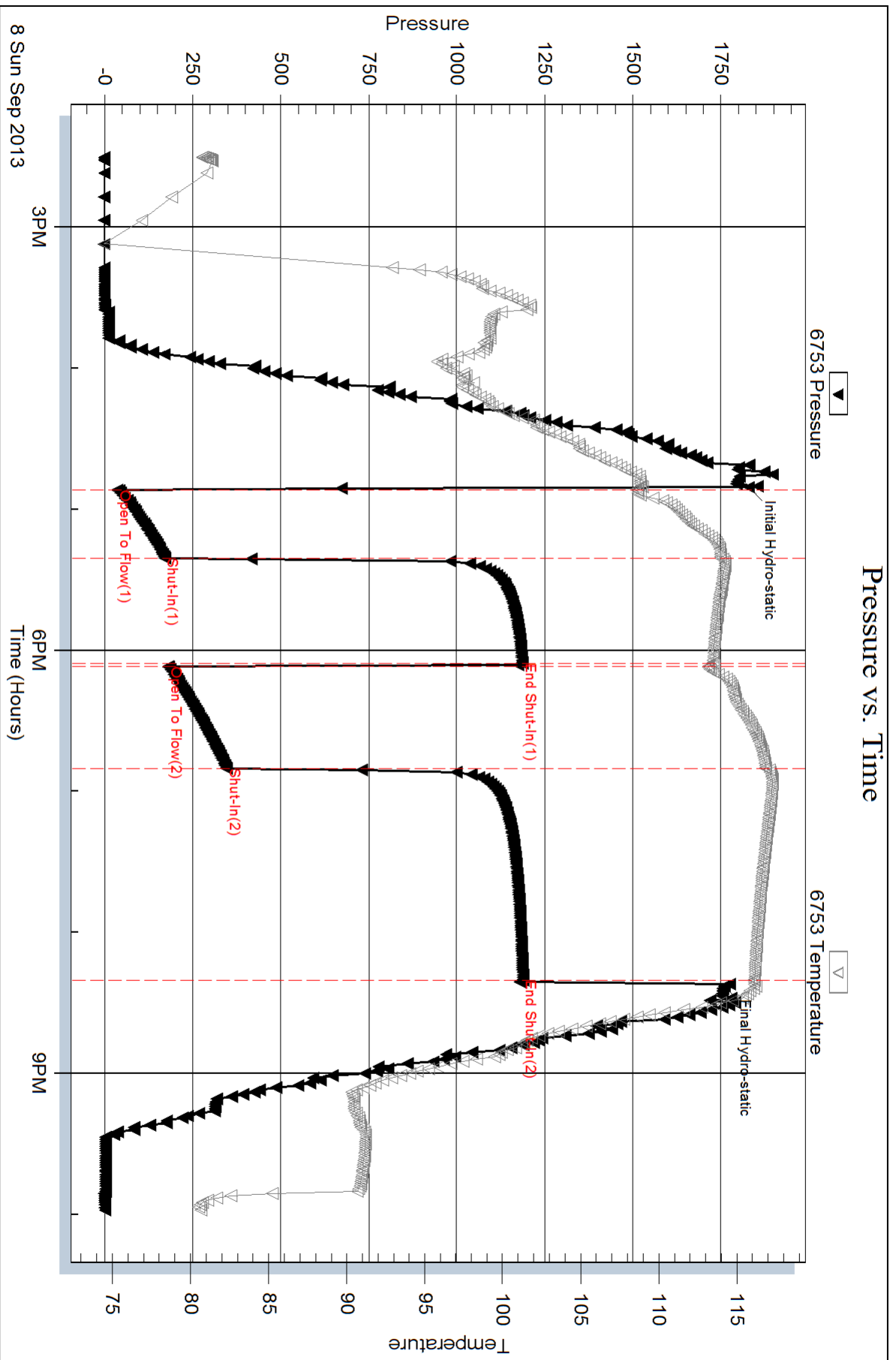
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

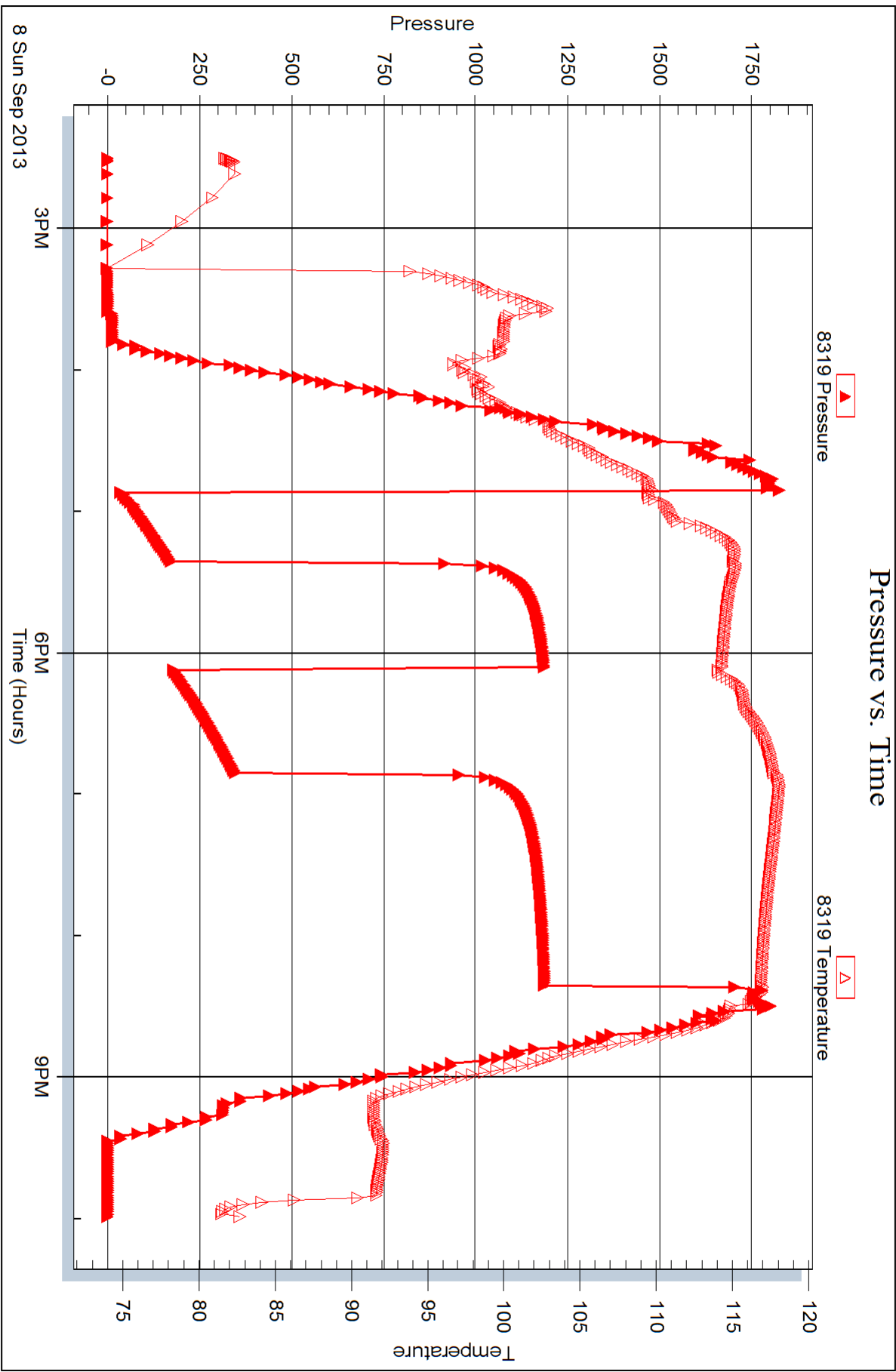


Serial #: 8319

Outside Phillips Exploration Co.

Rosproy #1-20

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Phillips Exploration Co.**

PO Box 850  
Andover KS 67002

ATTN: Jim Phillips

### **Rosproy #1-20**

#### **20-14s-24w Trego,KS**

Start Date: 2013.09.10 @ 09:50:00

End Date: 2013.09.10 @ 15:22:30

Job Ticket #: 54769                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.11 @ 16:15:07



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Phillips Exploration Co.

**20-14s-24w Trego, KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54769

**DST#: 2**

ATTN: Jim Phillips

Test Start: 2013.09.10 @ 09:50:00

## GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:00

Time Test Ended: 15:22:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4028.00 ft (KB) To 4140.00 ft (KB) (TVD)**

Reference Elevations: 2346.00 ft (KB)

Total Depth: 4140.00 ft (KB) (TVD)

2341.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6753**

**Inside**

Press @ Run Depth: 32.88 psig @ 4030.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.10

End Date:

2013.09.10

Last Calib.: 2013.09.10

Start Time: 09:50:05

End Time:

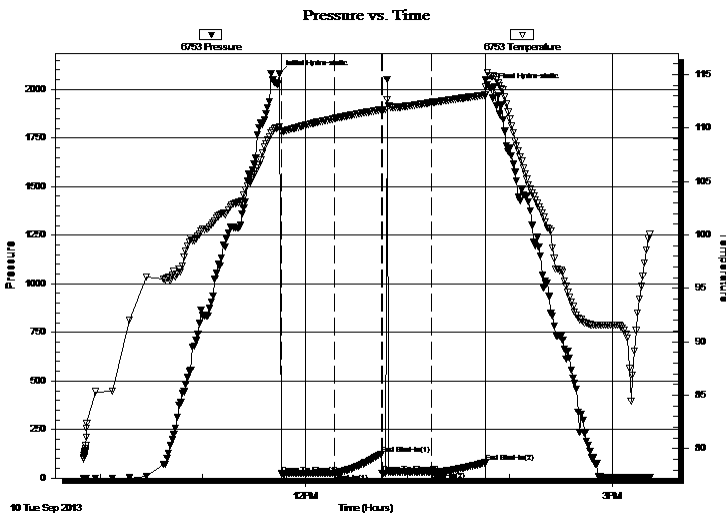
15:22:29

Time On Btm: 2013.09.10 @ 11:45:00

Time Off Btm: 2013.09.10 @ 13:49:00

**TEST COMMENT:** IF-Very weak surface blow died in 20 min  
IS-No blow  
FF-No blow flush tool surge No blow  
FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.57	110.11	Initial Hydro-static
1	22.03	109.65	Open To Flow (1)
32	26.22	110.89	Shut-In(1)
60	124.37	111.73	End Shut-In(1)
60	25.48	111.70	Open To Flow (2)
89	32.88	112.39	Shut-In(2)
121	79.03	113.08	End Shut-In(2)
124	2007.11	114.88	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

Phillips Exploration Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54769 **DST#: 2**

ATTN: Jim Phillips

Test Start: 2013.09.10 @ 09:50:00

## GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:00

Time Test Ended: 15:22:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4028.00 ft (KB) To 4140.00 ft (KB) (TVD)**

Total Depth: 4140.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2346.00 ft (KB)

2341.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8319 Outside**

Press @ Run Depth: psig @ 4030.00 ft (KB)

Start Date: 2013.09.10

End Date:

2013.09.10

Start Time: 09:50:05

End Time:

15:22:59

Capacity: 8000.00 psig

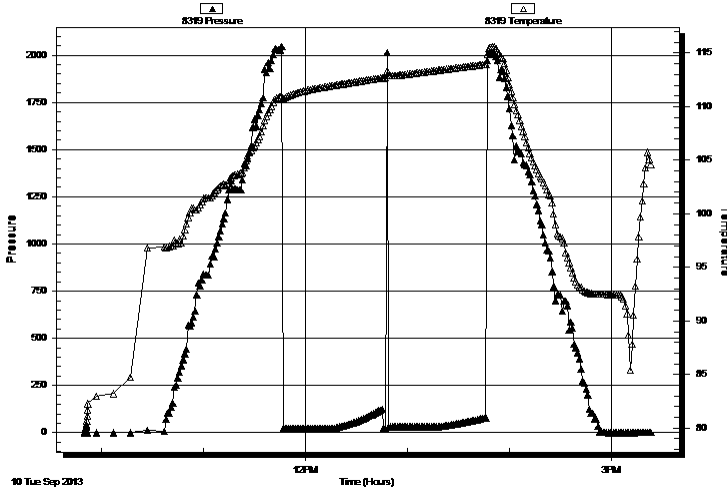
Last Calib.: 2013.09.10

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF-Very weak surface blow died in 20 min  
IS-No blow  
FF-No blow flush tool surge No blow  
FS-No blow

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Phillips Exploratiom Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54769

**DST#: 2**

ATTN: Jim Phillips

Test Start: 2013.09.10 @ 09:50:00

## Tool Information

Drill Pipe:	Length: 3830.00 ft	Diameter: 3.80 inches	Volume: 53.72 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	4028.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	112.00 ft				
Tool Length:	136.00 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			4005.00	
Shut In Tool	5.00			4010.00	
Hydraulic tool	5.00			4015.00	
Safety Joint	3.00			4018.00	
Packer	5.00			4023.00	24.00 Bottom Of Top Packer
Packer	5.00			4028.00	
Packer - Shale	0.00			4028.00	
Stubb	1.00			4029.00	
Perforations	1.00			4030.00	
Recorder	0.00	6753	Inside	4030.00	
Recorder	0.00	8319	Outside	4030.00	
Change Over Sub	1.00			4031.00	
Drill Pipe	95.00			4126.00	
Change Over Sub	1.00			4127.00	
Perforations	10.00			4137.00	
Bullnose	3.00			4140.00	112.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>136.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Phillips Exploratiom Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54769

**DST#: 2**

ATTN: Jim Phillips

Test Start: 2013.09.10 @ 09:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

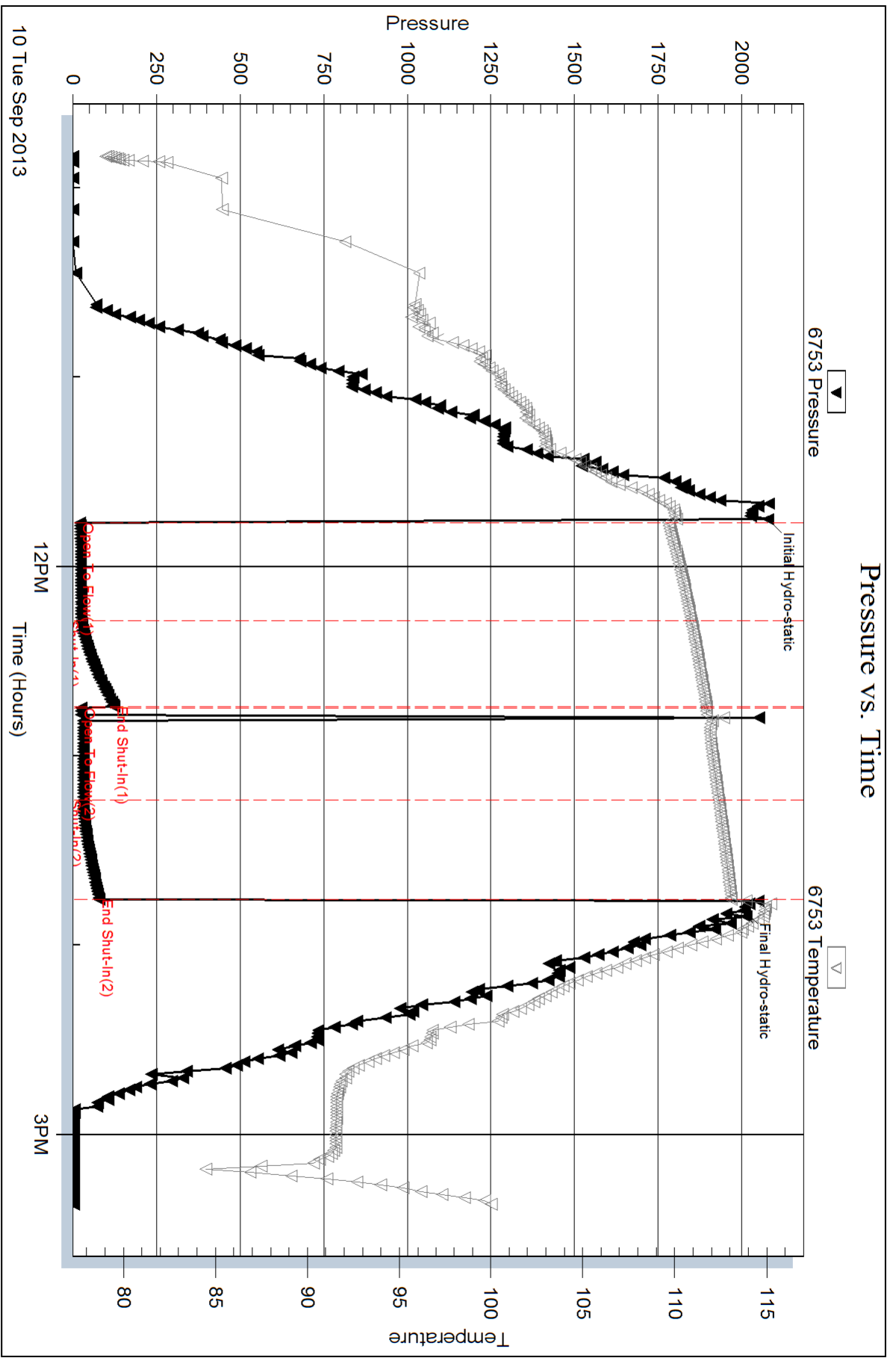
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

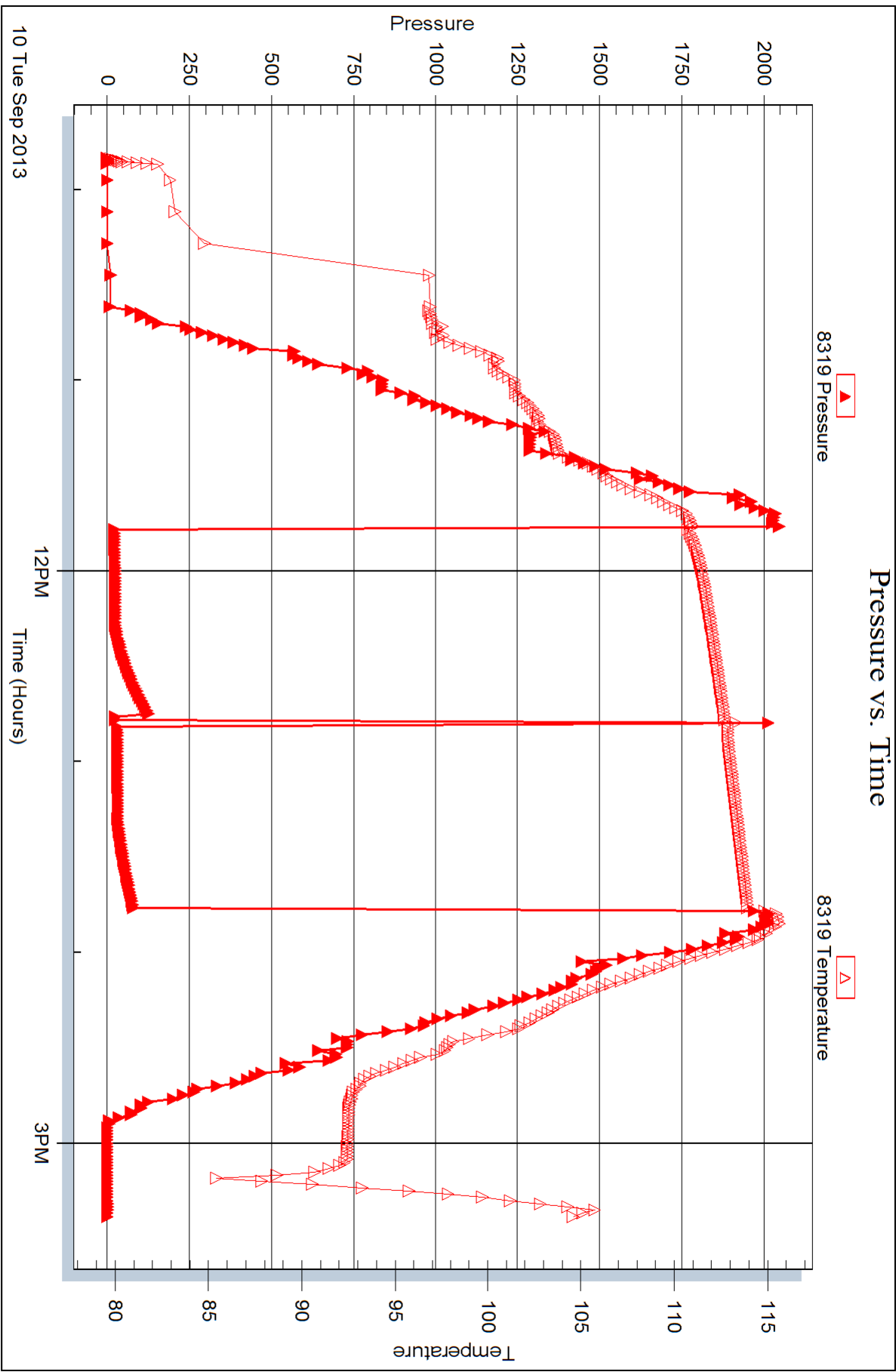


Serial #: 8319

Outside Phillips Exploration Co.

Rosproy #1-20

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54769

Printed: 2013.09.11 @ 16:15:08



## DRILL STEM TEST REPORT

Prepared For: **Phillips Exploratiom Co.**

PO Box 850  
Andover KS 67002

ATTN: Jim Phillips

### **Rosproy #1-20**

#### **20-14s-24w Trego,KS**

Start Date: 2013.09.11 @ 05:45:00

End Date: 2013.09.11 @ 14:15:30

Job Ticket #: 54770                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.11 @ 16:13:05

Phillips Exploration Co.

20-14s-24w Trego,KS

Rosproy #1-20

DST # 3

Cherokee - Mississip

2013.09.11



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Phillips Exploration Co.  
 PO Box 850  
 Andover KS 67002  
 ATTN: Jim Phillips

**20-14s-24w Trego, KS**  
**Rosproy #1-20**  
 Job Ticket: 54770 **DST#: 3**  
 Test Start: 2013.09.11 @ 05:45:00

## GENERAL INFORMATION:

Formation: **Cherokee - Missisip**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:41:00  
 Time Test Ended: 14:15:30  
 Interval: **4138.00 ft (KB) To 4266.00 ft (KB) (TVD)**  
 Total Depth: 4266.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2346.00 ft (KB)  
 2341.00 ft (CF)  
 KB to GR/CF: 5.00 ft

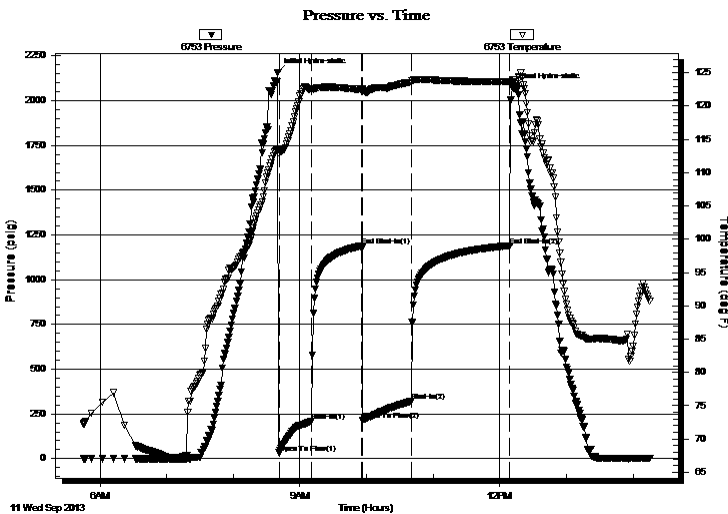
## Serial #: 6753

Inside

Press @ Run Depth: 320.44 psig @ 4140.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.09.11 End Date: 2013.09.11 Last Calib.: 2013.09.11  
 Start Time: 05:45:05 End Time: 14:15:29 Time On Btm: 2013.09.11 @ 08:40:00  
 Time Off Btm: 2013.09.11 @ 12:11:00

TEST COMMENT: IF-BOB in 13 1/2 min  
 IS- No blow  
 FF-BOB in 19 min  
 FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.79	113.50	Initial Hydro-static
1	33.01	113.02	Open To Flow (1)
31	208.27	122.47	Shut-In(1)
76	1188.50	122.54	End Shut-In(1)
77	216.36	122.28	Open To Flow (2)
120	320.44	123.58	Shut-In(2)
209	1190.25	123.64	End Shut-In(2)
211	2073.32	123.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	SMCW 85%W 15%M	0.91
325.00	WCM 30% W 70%M	3.56
220.00	Mud	3.09

\* Recovery from multiple tests

## Gas Rates

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



TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Phillips Exploration Co.  
PO Box 850  
Andover KS 67002  
ATTN: Jim Phillips

**20-14s-24w Trego,KS**  
**Rosproy #1-20**  
Job Ticket: 54770 **DST#: 3**  
Test Start: 2013.09.11 @ 05:45:00

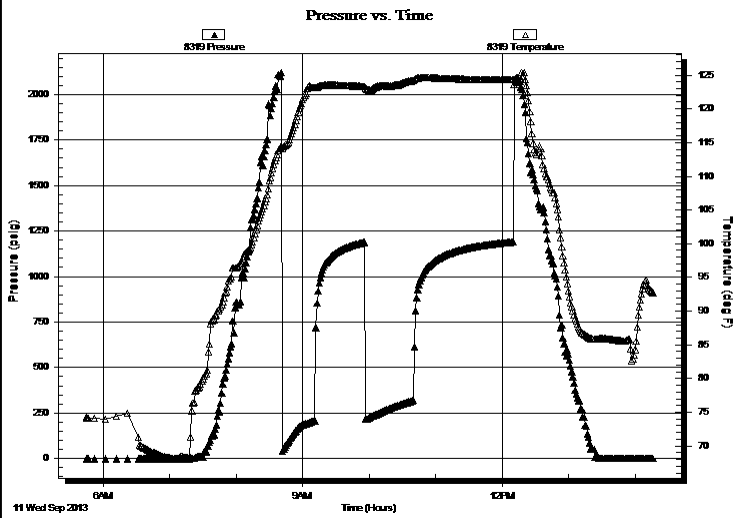
## GENERAL INFORMATION:

Formation: **Cherokee - Mississipp**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 08:41:00 Tester: Brett Dickinson  
Time Test Ended: 14:15:30 Unit No: 59  
**Interval: 4138.00 ft (KB) To 4266.00 ft (KB) (TVD)** Reference Elevations: 2346.00 ft (KB)  
Total Depth: 4266.00 ft (KB) (TVD) 2341.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

## Serial #: 8319 Outside

Press @ RunDepth: psig @ 4140.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.09.11 End Date: 2013.09.11 Last Calib.: 2013.09.11  
Start Time: 05:45:05 End Time: 14:15:59 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF-BOB in 13 1/2 min  
IS- No blow  
FF-BOB in 19 min  
FS- No blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	SMCW 85%W 15%M	0.91
325.00	WCM 30% W 70%M	3.56
220.00	Mud	3.09

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Phillips Exploratiom Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54770

**DST#: 3**

ATTN: Jim Phillips

Test Start: 2013.09.11 @ 05:45:00

## Tool Information

Drill Pipe:	Length: 3830.00 ft	Diameter: 3.80 inches	Volume: 53.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 295.00 ft	Diameter: 2.25 inches	Volume: 1.45 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4138.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	128.00 ft			
Tool Length:	152.00 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			4115.00	
Shut In Tool	5.00			4120.00	
Hydraulic tool	5.00			4125.00	
Safety Joint	3.00			4128.00	
Packer	5.00			4133.00	24.00 Bottom Of Top Packer
Packer	5.00			4138.00	
Packer - Shale	0.00			4138.00	
Stubb	1.00			4139.00	
Perforations	1.00			4140.00	
Recorder	0.00	6753	Inside	4140.00	
Recorder	0.00	8319	Outside	4140.00	
Change Over Sub	1.00			4141.00	
Drill Pipe	95.00			4236.00	
Change Over Sub	1.00			4237.00	
Perforations	26.00			4263.00	
Bullnose	3.00			4266.00	128.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>152.00</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Phillips Exploratiom Co.

**20-14s-24w Trego,KS**

PO Box 850  
Andover KS 67002

**Rosproy #1-20**

Job Ticket: 54770

**DST#: 3**

ATTN: Jim Phillips

Test Start: 2013.09.11 @ 05:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	SMCW 85%W 15%M	0.910
325.00	WCM 30% W 70%M	3.557
220.00	Mud	3.086

Total Length: 730.00 ft

Total Volume: 7.553 bbl

Num Fluid Samples: 0

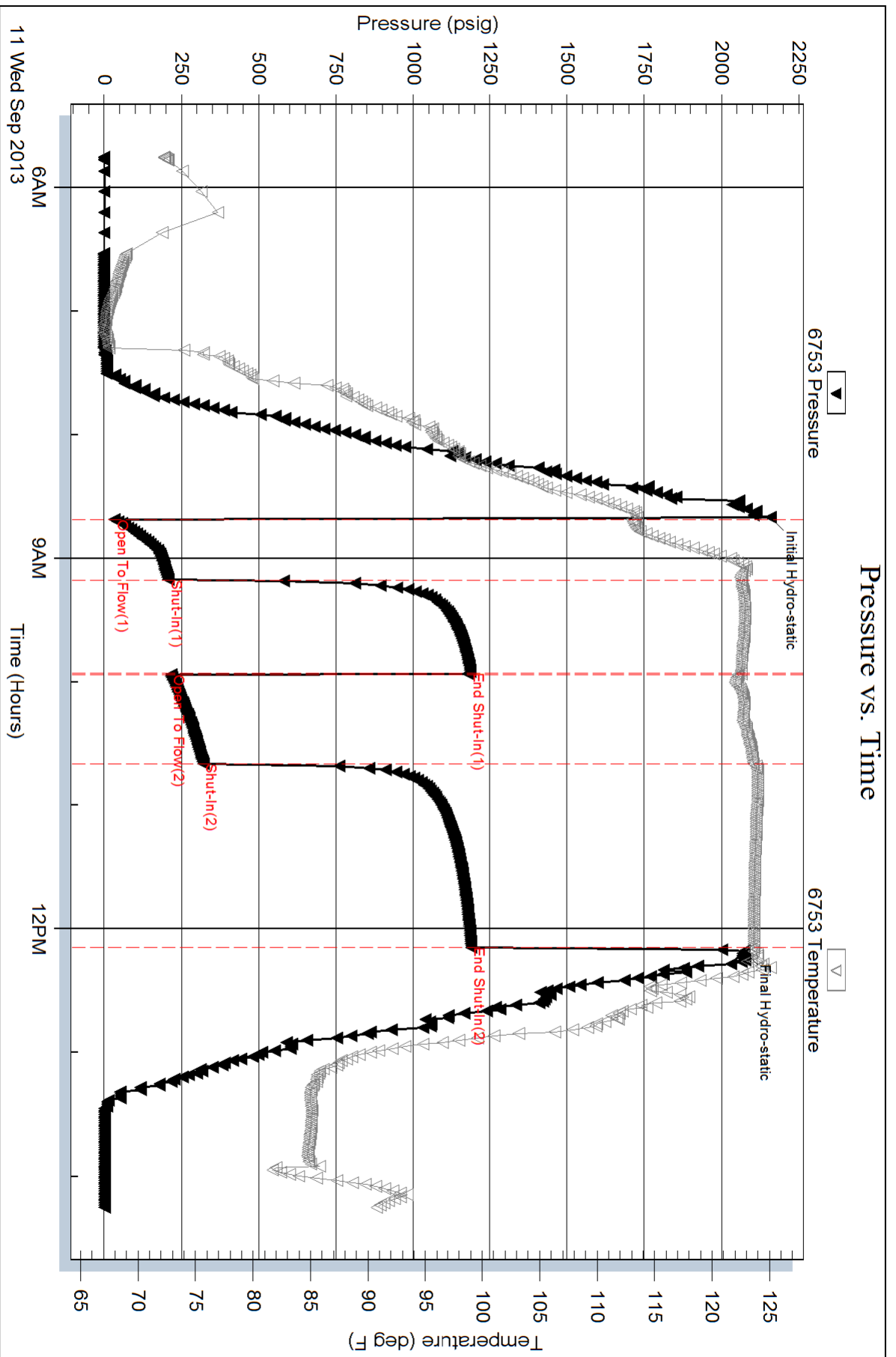
Num Gas Bombs: 0

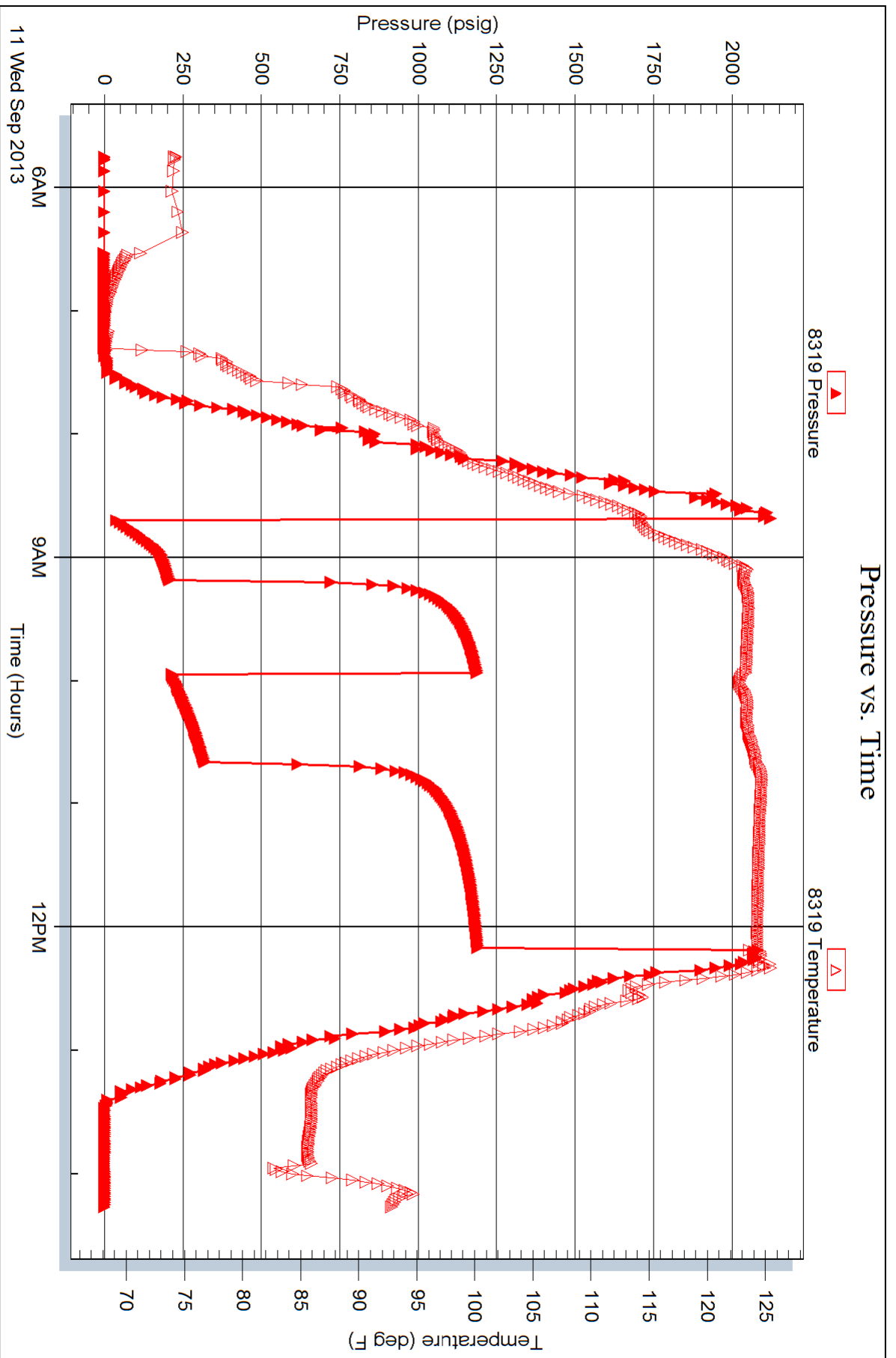
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54768

4/10

Well Name & No. Rosproy #1-20 Test No. 1 Date 9/18/13  
 Company Phillips Exploration Co L.C. Elevation 2346 KB 2341 GL  
 Address PO Box 850 Andover KS 67002  
 Co. Rep / Geo. \_\_\_\_\_ Rig Martin #16  
 Location: Sec. 20 Twp. 14 Rge. 24 Co. Trego State KS

Interval Tested 3627-3690 Zone Tested AC "A-C"  
 Anchor Length 68 Drill Pipe Run 3581 Mud Wt. 9.5  
 Top Packer Depth 3617 Drill Collars Run 30 Vis 56  
 Bottom Packer Depth 3622 Wt. Pipe Run — WL 8.8  
 Total Depth 3690 Chlorides 3000 ppm System LCM 1  
 Blow Description IF - BOB in 9 min  
ISL - No blow  
FI - BOB in 13 min  
FSL - No blow

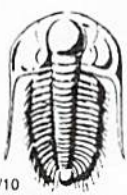
Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>wcm</u>			<u>30</u>	<u>70</u>
<u>500</u>	<u>SMCW</u>			<u>90</u>	<u>10</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 740 BHT 116 Gravity \_\_\_\_\_ API RW 108 @ 70 °F Chlorides 100,000 ppm

(A) Initial Hydrostatic 1,829  Test 1150 T-On Location 13:30  
 (B) First Initial Flow 36  Jars \_\_\_\_\_ T-Started 14:30  
 (C) First Final Flow 171  Safety Joint 75 T-Open 16:49  
 (D) Initial Shut-In 1,187  Circ Sub \_\_\_\_\_ T-Pulled 20:19  
 (E) Second Initial Flow 181  Hourly Standby \_\_\_\_\_ T-Out 21:57  
 (F) Second Final Flow 346  Mileage 129-T 199.95 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,189  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,760  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1674.95  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1674.95

Approved By \_\_\_\_\_ Our Representative Burt Paul

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. 54769

4/10

Well Name & No. Rosproy #1-20 Test No. 2 Date 9/10/13  
 Company Phillips Exploration Co LC Elevation 2346 KB 2341 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Jim Phillips Rig Murkin #16  
 Location: Sec. 20 Twp. 14 Rge. 24 Co. Trego State KS

Interval Tested ~~3028-4140~~ 4028-4140 Zone Tested Paw - Ft. Scott  
 Anchor Length 112 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.7  
 Top Packer Depth 4023 Drill Collars Run 180 Vis 46  
 Bottom Packer Depth 4028 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4140 Chlorides 3000 ppm System LCM 1/2

Blow Description IF - very weak surface blow died after 20 min  
ISI - No blow  
FF - No blow - flush tool surge no blow  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</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 113 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2079</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>9:00</u>
(B) First Initial Flow <u>22</u>	<input type="checkbox"/> Jars _____	T-Started <u>9:50</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:45</u>
(D) Initial Shut-In <u>124</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>13:45</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:22</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>129 RT</u> 199.95	Comments _____
(G) Final Shut-In <u>79</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2007</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> Ruined Shale Packer 350
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer 250	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>383.33</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Day Standby 1d 11.5h	Total <u>2508.28</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1774.95</u>	

Approved By \_\_\_\_\_ Our Representative [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.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54770

4/10

Well Name & No. Rosproy #1-20 Test No. 3 Date 9/11/13  
 Company Phillips Exploration Co Lc Elevation 2346 KB 2341 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Jim Phillips Rig Martin #16  
 Location: Sec. 20 Twp. 14 Rge. 24 Co. Trego State KS

Interval Tested 4138-4266 Zone Tested Cherokee - Miss  
 Anchor Length 128 Drill Pipe Run 3830 Mud Wt. 9.6  
 Top Packer Depth 4133 Drill Collars Run 295 Vis 53  
 Bottom Packer Depth 4138 Wt. Pipe Run — WL 9.0  
 Total Depth 4266 Chlorides 2,900 ppm System LCM 1

Blow Description IF - BOB in 13 1/2 min  
ISI - No blow  
FF - BOB in 19 min  
FSE - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>185</u>	<u>SMEW</u>		<u>85</u>	<u>15</u>	
<u>325</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>220</u>	<u>Mud</u>				
_____	_____				
_____	_____				

Rec Total 730 BHT 124 Gravity \_\_\_\_\_ API RW .25 @ 75 °F Chlorides 26,000 ppm

(A) Initial Hydrostatic 2,158  Test 1250 T-On Location 6:00  
 (B) First Initial Flow 33  Jars \_\_\_\_\_ T-Started 5:45  
 (C) First Final Flow 208  Safety Joint 75 T-Open 8:35  
 (D) Initial Shut-In 1,189  Circ Sub \_\_\_\_\_ T-Pulled 12:05  
 (E) Second Initial Flow 216  Hourly Standby \_\_\_\_\_ T-Out 14:12  
 (F) Second Final Flow 320  Mileage 129 RT 199.95 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,190  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,073  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1774.95  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 90 Sub Total 1774.95

Approved By \_\_\_\_\_ Our Representative But...

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.