



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1088723  
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
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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: \_\_\_\_\_

1088723

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	L MAUNE 6
Doc ID	1088723

All Electric Logs Run

Sonic Cement Bond Log
Borehole Compensated Sonic Array Log
Array Compensated True Resistivity Log
Spectral Density Dual Spaced Neutron Log
Microlog

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	L MAUNE 6
Doc ID	1088723

Tops

Name	Top	Datum
Heebner	3762	-859
Lansing	3807	-904
B/KC	4263	-1360
Marmanton	4285	-1382
Pawnee	4358	-1415
Ft Scott	4385	-1482
Cherokee	4397	-1494
Morrow Sand	4586	-1683
Mississippi	4606	-1703
LTD	4826	-1927





## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E. Berkeley SQ  
Pkyw Ste 100  
Wichita KS 67206

ATTN: Kitt Noah

### **L Maune #6**

### **30-21s-33w Finney,KS**

Start Date: 2012.06.09 @ 20:48:05

End Date: 2012.06.10 @ 06:01:30

Job Ticket #: 46575                      DST #: 1

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

Printed: 2012.06.15 @ 15:17:28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hartman Oil Co.

**30-21s-33w Finney, KS**

10500 E. Berkeley SQ  
Pkw y Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 46575

**DST#: 1**

Test Start: 2012.06.09 @ 20:48:05

## GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:49:30

Time Test Ended: 06:01:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 48

**Interval: 4034.00 ft (KB) To 4066.00 ft (KB) (TVD)**

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4066.00 ft (KB) (TVD)

2895.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8736**

**Inside**

Press @RunDepth: 771.68 psig @ 4061.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.09

End Date:

2012.06.10

Last Calib.: 2012.06.10

Start Time: 20:48:05

End Time:

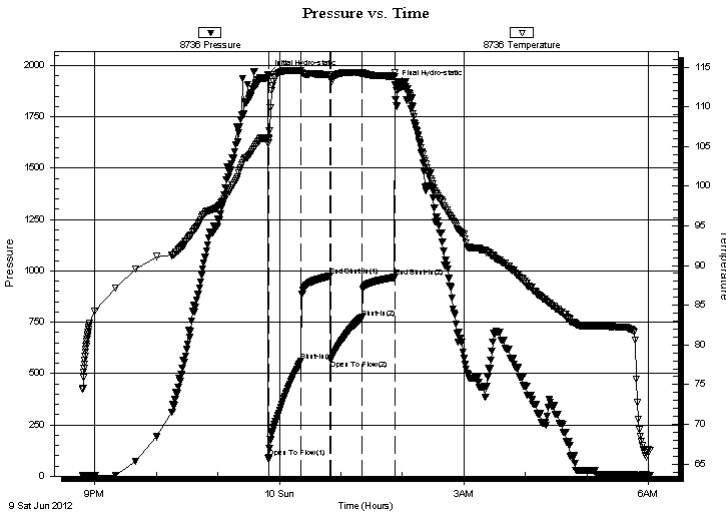
06:01:30

Time On Btm: 2012.06.09 @ 23:49:00

Time Off Btm: 2012.06.10 @ 01:52:45

**TEST COMMENT:** IF:BOB in 1 min.  
IS:No return blow  
FF:BOB in 1 min  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.64	106.07	Initial Hydro-static
1	93.09	105.93	Open To Flow (1)
33	559.40	114.53	Shut-In(1)
61	974.99	113.96	End Shut-In(1)
62	566.70	113.41	Open To Flow (2)
92	771.68	114.24	Shut-In(2)
124	968.09	113.81	End Shut-In(2)
124	1905.38	114.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
309.00	sw 100% sw	1.52
496.00	ocw 10%o 90%w	6.96
248.00	mco 5%m 20%o 75%w	3.48
496.00	w com 20%w 30%o 50%m	6.96
90.00	mco 5%m 90%o	1.26

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pkw y Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 46575

**DST#: 1**

Test Start: 2012.06.09 @ 20:48:05

## Tool Information

Drill Pipe:	Length: 3735.00 ft	Diameter: 3.80 inches	Volume: 52.39 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 53.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	4034.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	52.00 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			4015.00	
Shut In Tool	5.00			4020.00	
Hydraulic tool	5.00			4025.00	
Packer	5.00			4030.00	20.00 Bottom Of Top Packer
Packer	4.00			4034.00	
Stubb	1.00			4035.00	
Perforations	26.00			4061.00	
Recorder	0.00	8736	Inside	4061.00	
Recorder	0.00	6668	Outside	4061.00	
Bullnose	5.00			4066.00	32.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>52.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 46575

**DST#: 1**

Test Start: 2012.06.09 @ 20:48:05

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 0.00 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 15000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
309.00	sw 100% sw	1.520
496.00	ocw 10%o 90%w	6.958
248.00	mcow 5%m 20%o 75%w	3.479
496.00	w com 20%w 30%o 50%m	6.958
90.00	mco 5%m 90%o	1.262

Total Length: 1639.00 ft      Total Volume: 20.177 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .448@ 68.4\*=15,000 ppm

Serial #: 8736

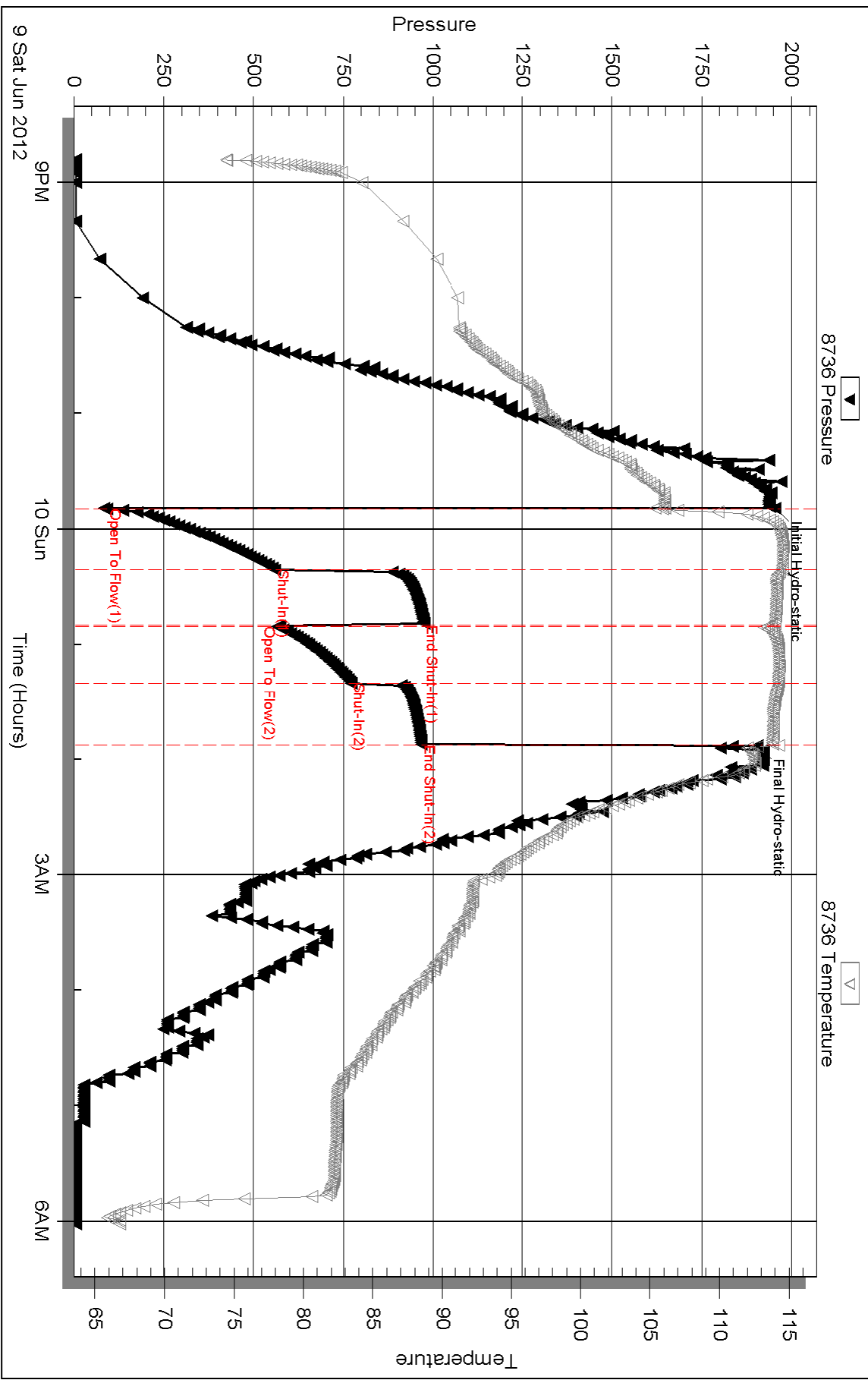
Inside

Hartman Oil Co.

L Maurene #6

DST Test Number: 1

# Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46575

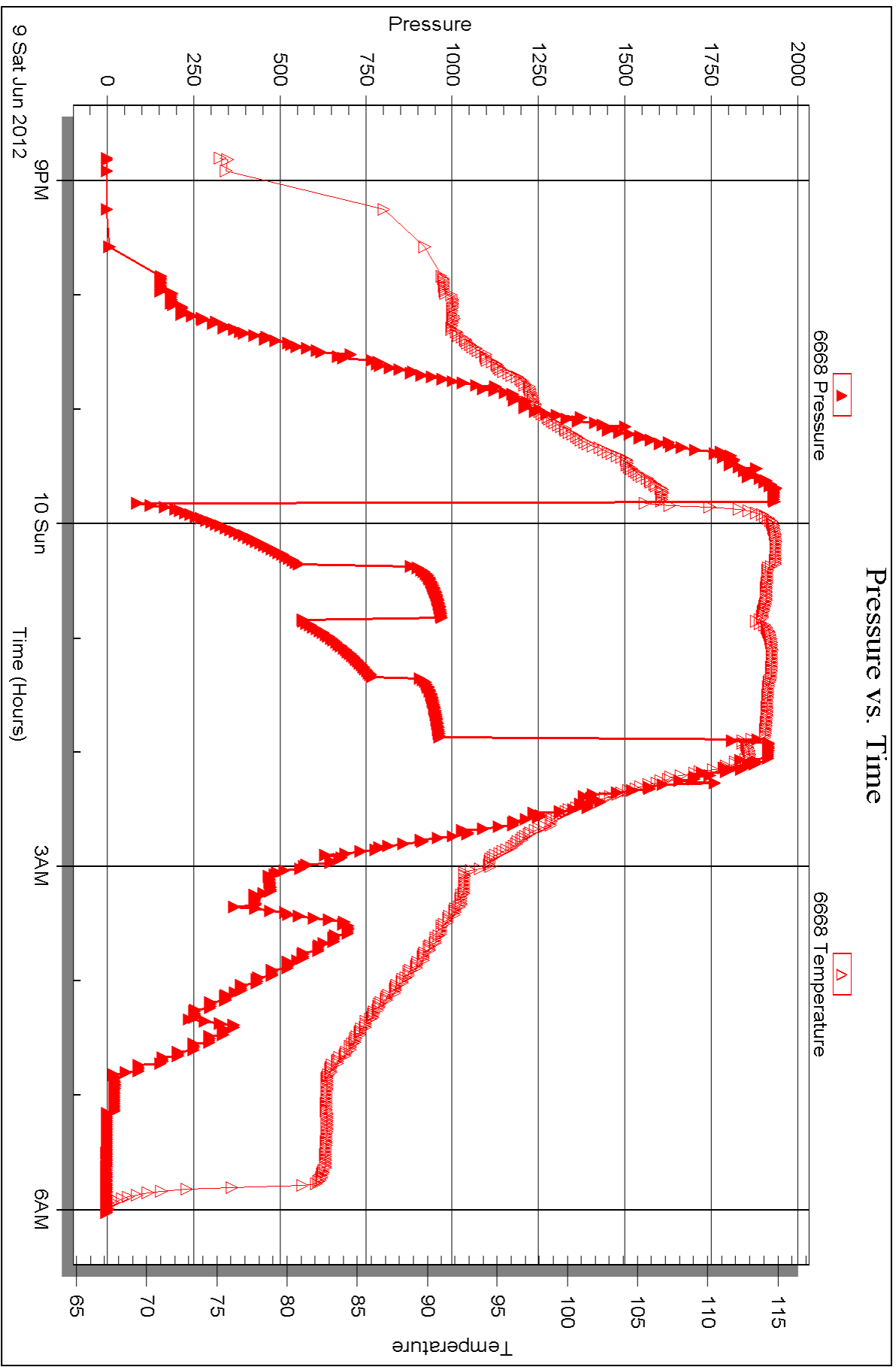
Printed: 2012.06.15 @ 15:17:30

Serial #: 6668

Outside Hartman Oil Co.

L Maure #6

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46575

Printed: 2012.06.15 @ 15:17:30



## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206

ATTN: Kitt Noah

**L Maune #6**

**30-21s-33w Finney,KS**

Start Date: 2012.06.10 @ 23:53:05

End Date: 2012.06.11 @ 08:07:14

Job Ticket #: 48376                      DST #: 2

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

Printed: 2012.06.15 @ 15:16:51

Hartman Oil Co. 30-21s-33w Finney,KS L Maune #6 DST # 2 LKC "L" 2012.06.10



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hartman Oil Co.

**30-21s-33w Finney, KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48376

**DST#: 2**

Test Start: 2012.06.10 @ 23:53:05

## GENERAL INFORMATION:

Formation: **LKC "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:23:30

Time Test Ended: 08:07:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

**Interval: 4223.00 ft (KB) To 4254.00 ft (KB) (TVD)**

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4254.00 ft (KB) (TVD)

2895.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8736**

**Inside**

Press @ Run Depth: 316.40 psig @ 4249.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.10

End Date:

2012.06.11

Last Calib.:

2012.06.11

Start Time:

23:53:05

End Time:

08:07:14

Time On Btm:

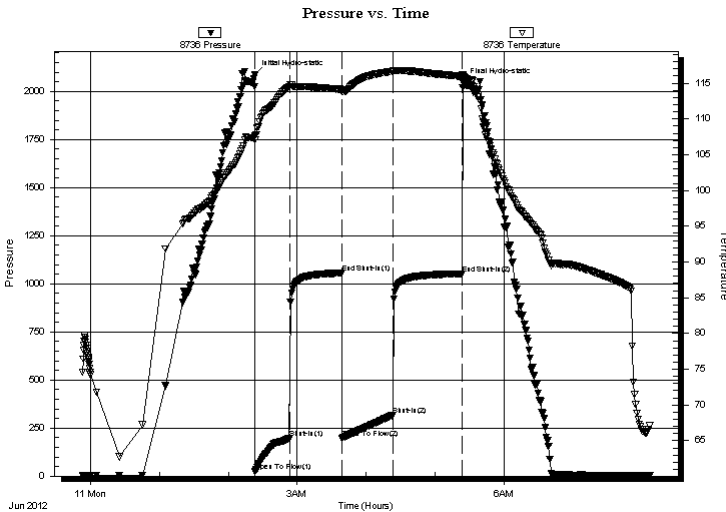
2012.06.11 @ 02:23:00

Time Off Btm:

2012.06.11 @ 05:24:29

**TEST COMMENT:** IF:BOB in 13 min.  
IS:Return blow built to weak surface blow  
FF:BOB in 15 min.  
FS:Return blow built to weak surface blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.13	107.49	Initial Hydro-static
1	25.55	107.09	Open To Flow (1)
31	197.52	114.59	Shut-In(1)
76	1056.21	114.14	End Shut-In(1)
77	198.34	113.87	Open To Flow (2)
121	316.40	116.64	Shut-In(2)
181	1052.81	115.94	End Shut-In(2)
182	2043.95	116.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 10% m 90% w	0.61
186.00	gcow m 5% g 5% o 30% w 60% m	0.92
310.00	gcomw 5% g 5% o 45% w 45% m	4.35
32.00	mcgo 10% g 10% m 80% o	0.45
30.00	free oil	0.42
0.00	GIP= 62	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48376

**DST#: 2**

Test Start: 2012.06.10 @ 23:53:05

## Tool Information

Drill Pipe:	Length: 3924.00 ft	Diameter: 3.80 inches	Volume: 55.04 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4223.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 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			4204.00	
Shut In Tool	5.00			4209.00	
Hydraulic tool	5.00			4214.00	
Packer	5.00			4219.00	20.00 Bottom Of Top Packer
Packer	4.00			4223.00	
Stubb	1.00			4224.00	
Perforations	25.00			4249.00	
Recorder	0.00	8736	Inside	4249.00	
Recorder	0.00	6668	Outside	4249.00	
Bullnose	5.00			4254.00	31.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>51.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pky y Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48376

**DST#: 2**

Test Start: 2012.06.10 @ 23:53:05

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 0.00 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 29 deg API

Water Salinity: 25000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 10%m 90%w	0.610
186.00	gcow m 5%g 5%o 30%w 60%m	0.924
310.00	gcomw 5% g 5%o 45%w 45%m	4.348
32.00	mcgo 10%g 10%m 80%o	0.449
30.00	free oil	0.421
0.00	GIP= 62	0.000

Total Length: 682.00 ft Total Volume: 6.752 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

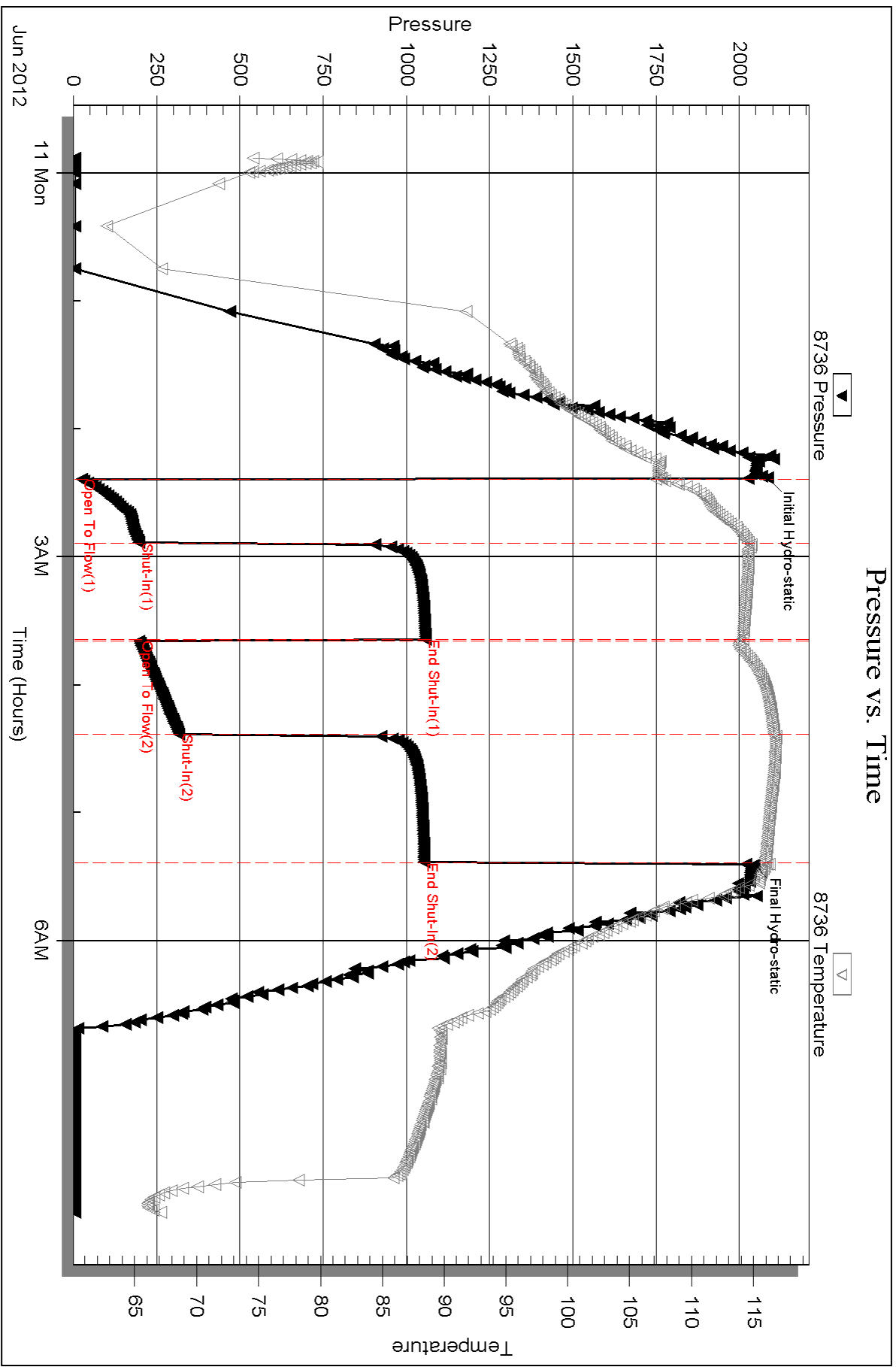
Laboratory Name:

Laboratory Location:

Recovery Comments: API= 29@ 60

RW= .309@63.9=25,000 ppm







## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E. Berkeley SQ  
Pkyw Ste 100  
Wichita KS 67206

ATTN: Kitt Noah

**L Maune #6**

**30-21s-33w Finney,KS**

Start Date: 2012.06.12 @ 06:32:05

End Date: 2012.06.12 @ 13:23:14

Job Ticket #: 48377                      DST #: 3

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

Printed: 2012.06.15 @ 15:16:09



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hartman Oil Co.

**30-21s-33w Finney, KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48377

**DST#: 3**

Test Start: 2012.06.12 @ 06:32:05

## GENERAL INFORMATION:

Formation: **Pawnee-Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:23:00

Time Test Ended: 13:23:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

**Interval: 4357.00 ft (KB) To 4406.00 ft (KB) (TVD)**

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4406.00 ft (KB) (TVD)

2895.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8736**

**Inside**

Press @ Run Depth: 68.80 psig @ 4368.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.12

End Date:

2012.06.12

Last Calib.:

2012.06.12

Start Time: 06:32:05

End Time:

13:23:14

Time On Btm:

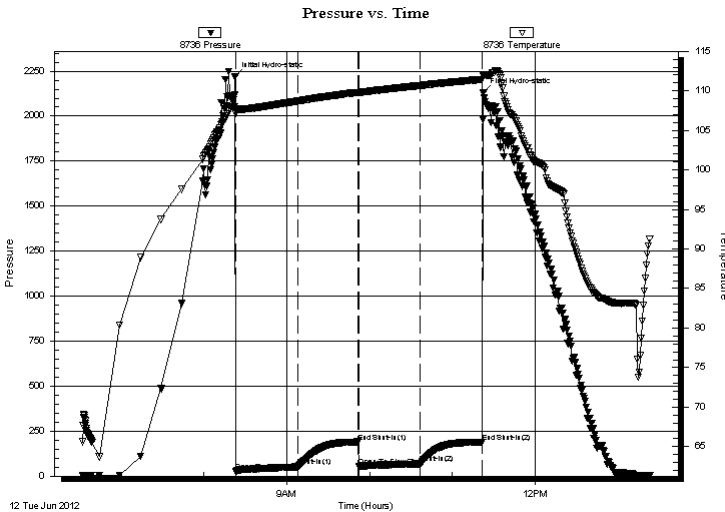
2012.06.12 @ 08:22:30

Time Off Btm:

2012.06.12 @ 11:22:29

**TEST COMMENT:** IF:BOB in 37 min.  
IS:No return blow  
FF:BOB in 23 min.  
FS:Return blow built to a weak surface blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.11	108.03	Initial Hydro-static
1	25.58	107.11	Open To Flow (1)
46	52.11	108.70	Shut-In(1)
90	190.29	109.80	End Shut-In(1)
90	52.40	109.77	Open To Flow (2)
135	68.80	110.66	Shut-In(2)
180	188.96	111.45	End Shut-In(2)
180	2130.98	112.09	Final Hydro-static

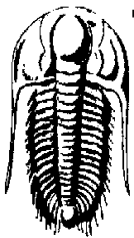
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 62	0.00
120.00	mcgo 10%m 20%g 70%o	0.59

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Hartman Oil Co.  
10500 E. Berkeley SQ  
Pkw y Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**30-21s-33w Finney,KS**

**L Maune #6**

Job Ticket: 48377

**DST#: 3**

Test Start: 2012.06.12 @ 06:32:05

### GENERAL INFORMATION:

Formation: **Pawnee-Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:23:00

Time Test Ended: 13:23:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: **4357.00 ft (KB) To 4406.00 ft (KB) (TVD)**

Total Depth: 4406.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2905.00 ft (KB)

2895.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6668 Outside**

Press @ Run Depth: psig @ 4368.00 ft (KB)

Start Date: 2012.06.12

End Date: 2012.06.12

Capacity: 8000.00 psig

Last Calib.: 2012.06.12

Start Time: 06:32:01

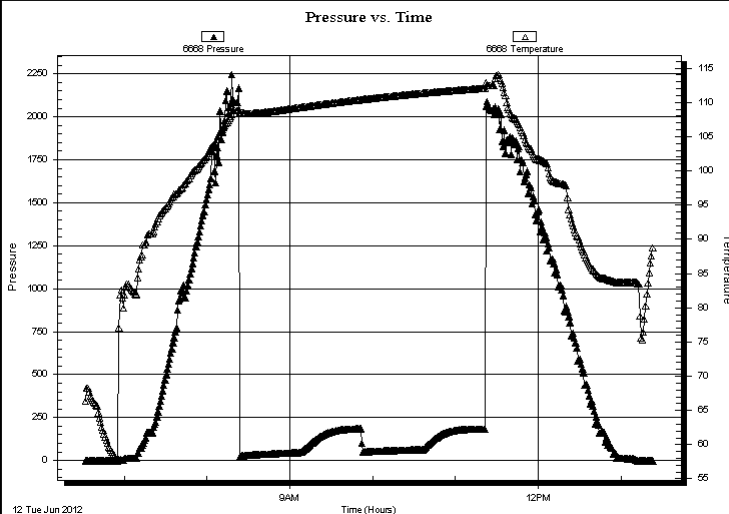
End Time: 13:23:31

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF:BOB in 37 min.  
IS:No return blow  
FF:BOB in 23 min.  
FS:Return blow built to a weak surface blow

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 62	0.00
120.00	mcgo 10%m 20%g 70%o	0.59

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48377

**DST#: 3**

Test Start: 2012.06.12 @ 06:32:05

## Tool Information

Drill Pipe:	Length: 4048.00 ft	Diameter: 3.80 inches	Volume: 56.78 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4357.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 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			4338.00	
Shut In Tool	5.00			4343.00	
Hydraulic tool	5.00			4348.00	
Packer	5.00			4353.00	20.00 Bottom Of Top Packer
Packer	4.00			4357.00	
Stubb	1.00			4358.00	
Perforations	10.00			4368.00	
Recorder	0.00	8736	Inside	4368.00	
Recorder	0.00	6668	Outside	4368.00	
Change Over Sub	1.00			4369.00	
Drill Pipe	31.00			4400.00	
Change Over Sub	1.00			4401.00	
Bullnose	5.00			4406.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pkw y Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48377

**DST#: 3**

Test Start: 2012.06.12 @ 06:32:05

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 0.00 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 62	0.000
120.00	mcgo 10%m 20%g 70%o	0.590

Total Length: 120.00 ft      Total Volume: 0.590 bbl

Num Fluid Samples: 0

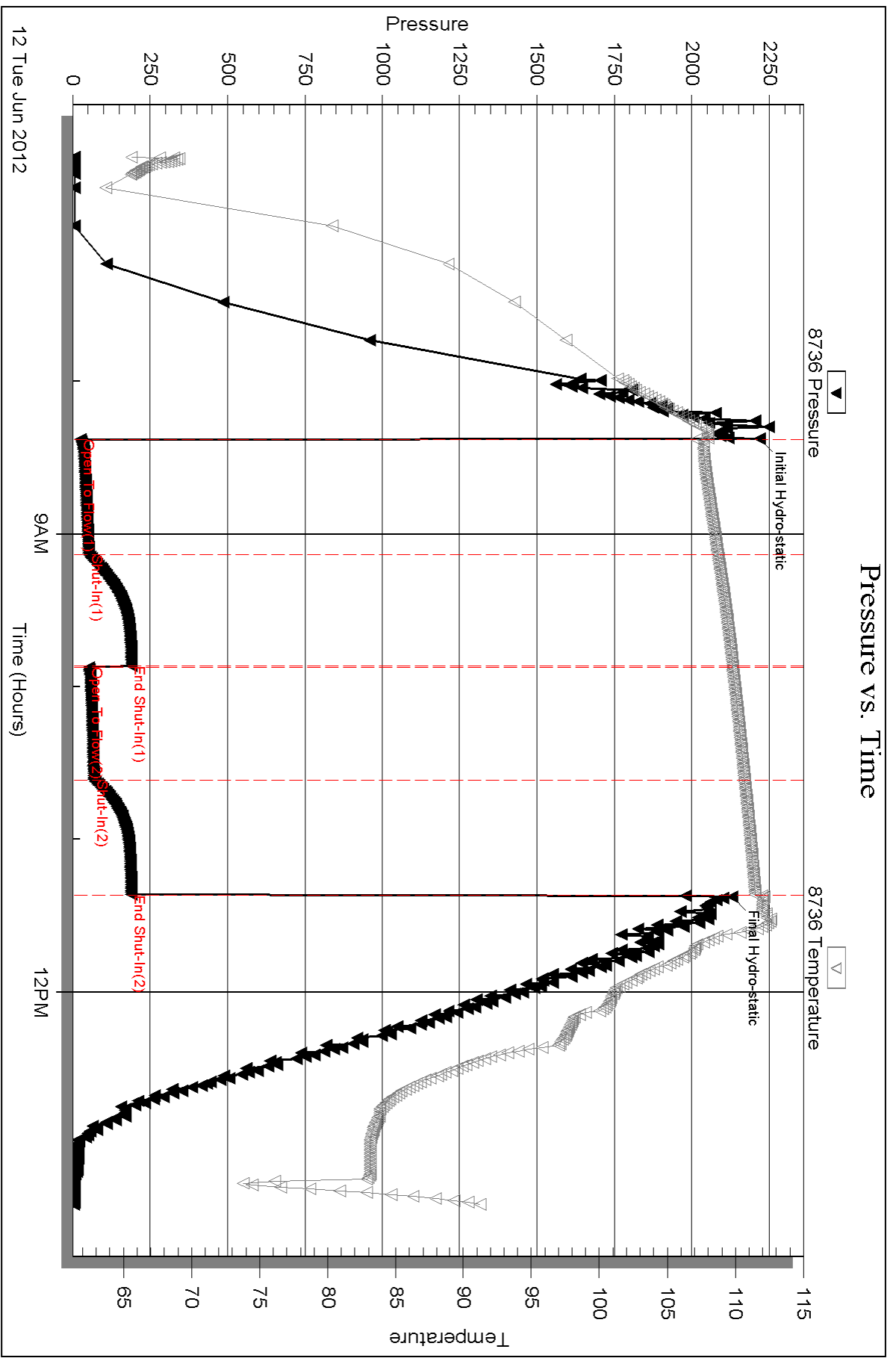
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

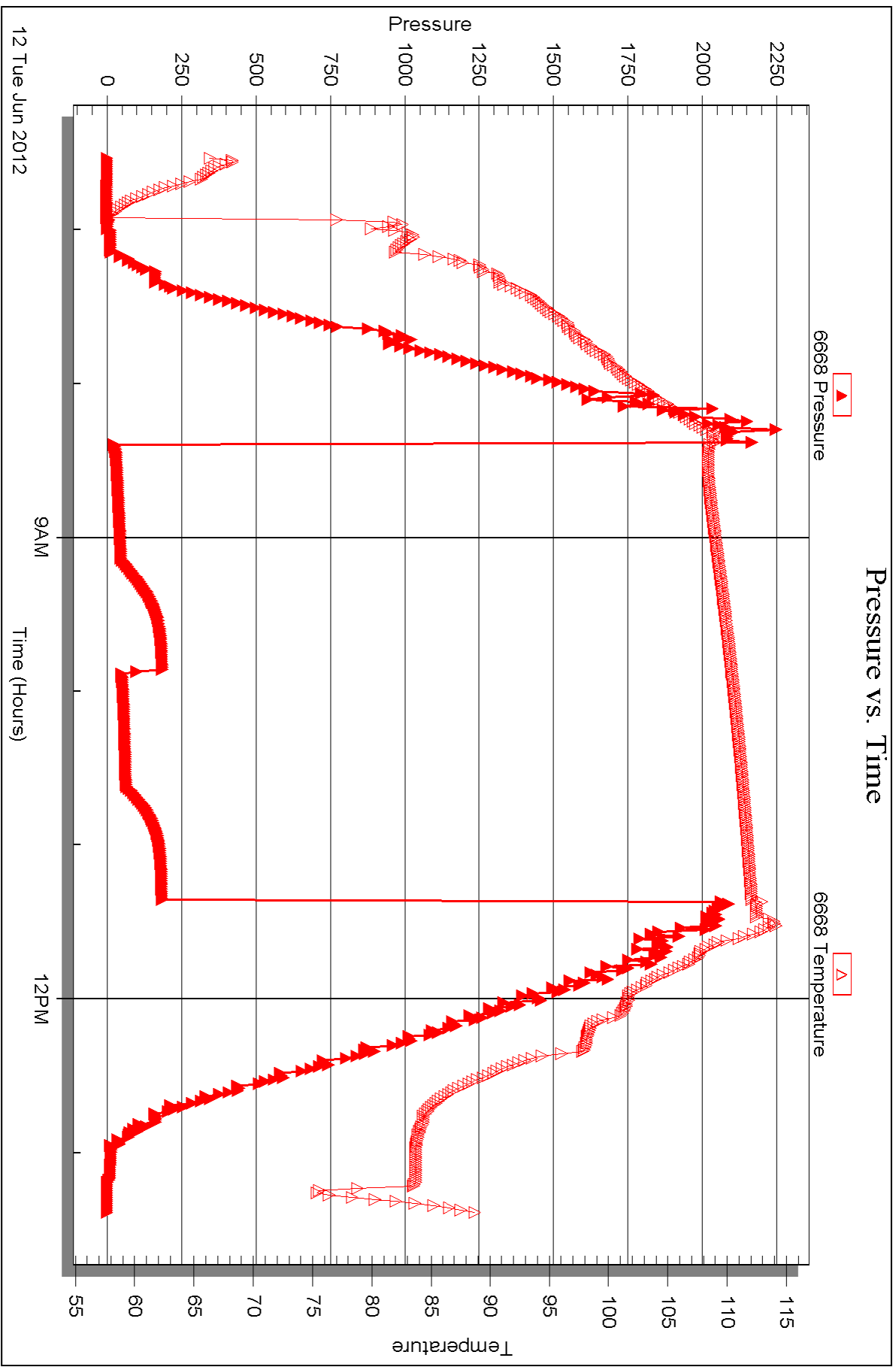


Serial #: 6668

Outside Hartman Oil Co.

L Maure #6

DST Test Number: 3







## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E. Berkeley SQ  
Pkyw Ste 100  
Wichita KS 67206

ATTN: Kitt Noah

**L Maune #6**

**30-21s-33w Finney,KS**

Start Date: 2012.06.13 @ 11:52:05

End Date: 2012.06.13 @ 17:49:29

Job Ticket #: 48378                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.06.15 @ 15:15:16



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hartman Oil Co.

**30-21s-33w Finney, KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48378

**DST#: 4**

Test Start: 2012.06.13 @ 11:52:05

## GENERAL INFORMATION:

Formation: **Morrow.-St. Geneviev**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:46:15

Time Test Ended: 17:49:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

**Interval: 4572.00 ft (KB) To 4620.00 ft (KB) (TVD)**

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2895.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8736**

**Inside**

Press @ Run Depth: 29.78 psig @ 4582.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.13

End Date:

2012.06.13

Last Calib.:

2012.06.13

Start Time:

11:52:05

End Time:

17:49:29

Time On Btm:

2012.06.13 @ 13:46:00

Time Off Btm:

2012.06.13 @ 15:46:00

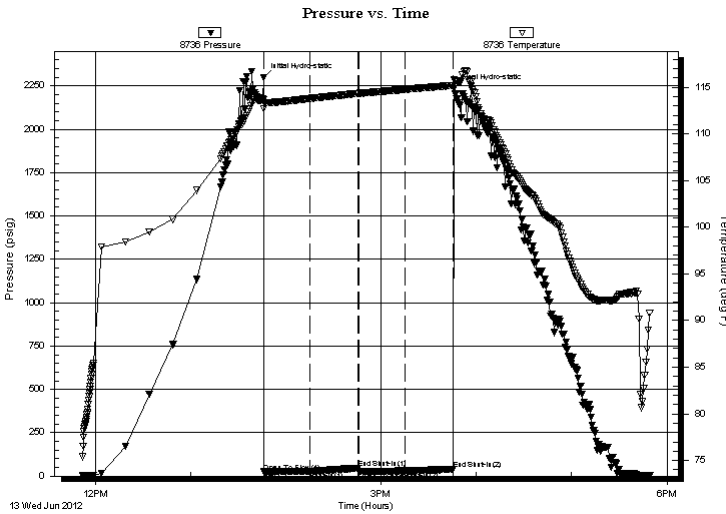
**TEST COMMENT:** IF:1/4" blow died in 20 min.

IS:No return blow

FF:No blow

FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.27	113.65	Initial Hydro-static
1	24.62	112.67	Open To Flow (1)
29	27.72	113.79	Shut-In(1)
60	46.05	114.33	End Shut-In(1)
60	28.95	114.34	Open To Flow (2)
89	29.78	114.77	Shut-In(2)
120	39.91	115.20	End Shut-In(2)
120	2233.88	115.82	Final Hydro-static

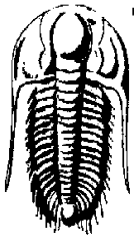
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.02

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co.

**30-21s-33w Finney, KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48378

**DST#: 4**

Test Start: 2012.06.13 @ 11:52:05

## GENERAL INFORMATION:

Formation: **Morrow.-St. Geneviev**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 13:46:15

Tester: Mike Roberts

Time Test Ended: 17:49:29

Unit No: 48

**Interval: 4572.00 ft (KB) To 4620.00 ft (KB) (TVD)**

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2895.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 6668 Outside**

Press @ Run Depth: psig @ 4582.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.13

End Date: 2012.06.13

Last Calib.: 2012.06.13

Start Time: 11:52:01

End Time: 17:49:43

Time On Btm:

Time Off Btm:

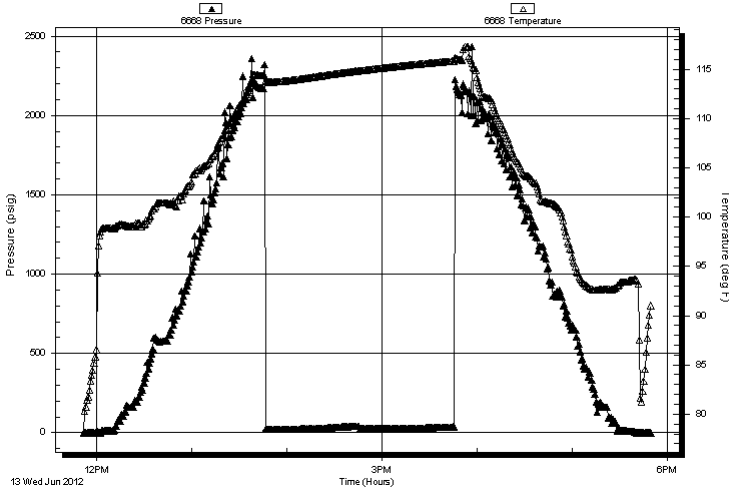
**TEST COMMENT:** IF:1/4" blow died in 20 min.

IS:No return blow

FF:No blow

FS:No return blow

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	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**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pky Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48378

**DST#: 4**

Test Start: 2012.06.13 @ 11:52:05

## Tool Information

Drill Pipe:	Length: 4268.00 ft	Diameter: 3.80 inches	Volume: 59.87 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4572.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	68.00 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			4553.00	
Shut In Tool	5.00			4558.00	
Hydraulic tool	5.00			4563.00	
Packer	5.00			4568.00	20.00 Bottom Of Top Packer
Packer	4.00			4572.00	
Stubb	1.00			4573.00	
Perforations	9.00			4582.00	
Recorder	0.00	8736	Inside	4582.00	
Recorder	0.00	6668	Outside	4582.00	
Change Over Sub	1.00			4583.00	
Drill Pipe	31.00			4614.00	
Change Over Sub	1.00			4615.00	
Bullnose	5.00			4620.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 68.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co.

**30-21s-33w Finney,KS**

10500 E. Berkeley SQ  
Pkw y Ste 100  
Wichita KS 67206  
ATTN: Kitt Noah

**L Maune #6**

Job Ticket: 48378

**DST#: 4**

Test Start: 2012.06.13 @ 11:52:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots	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:

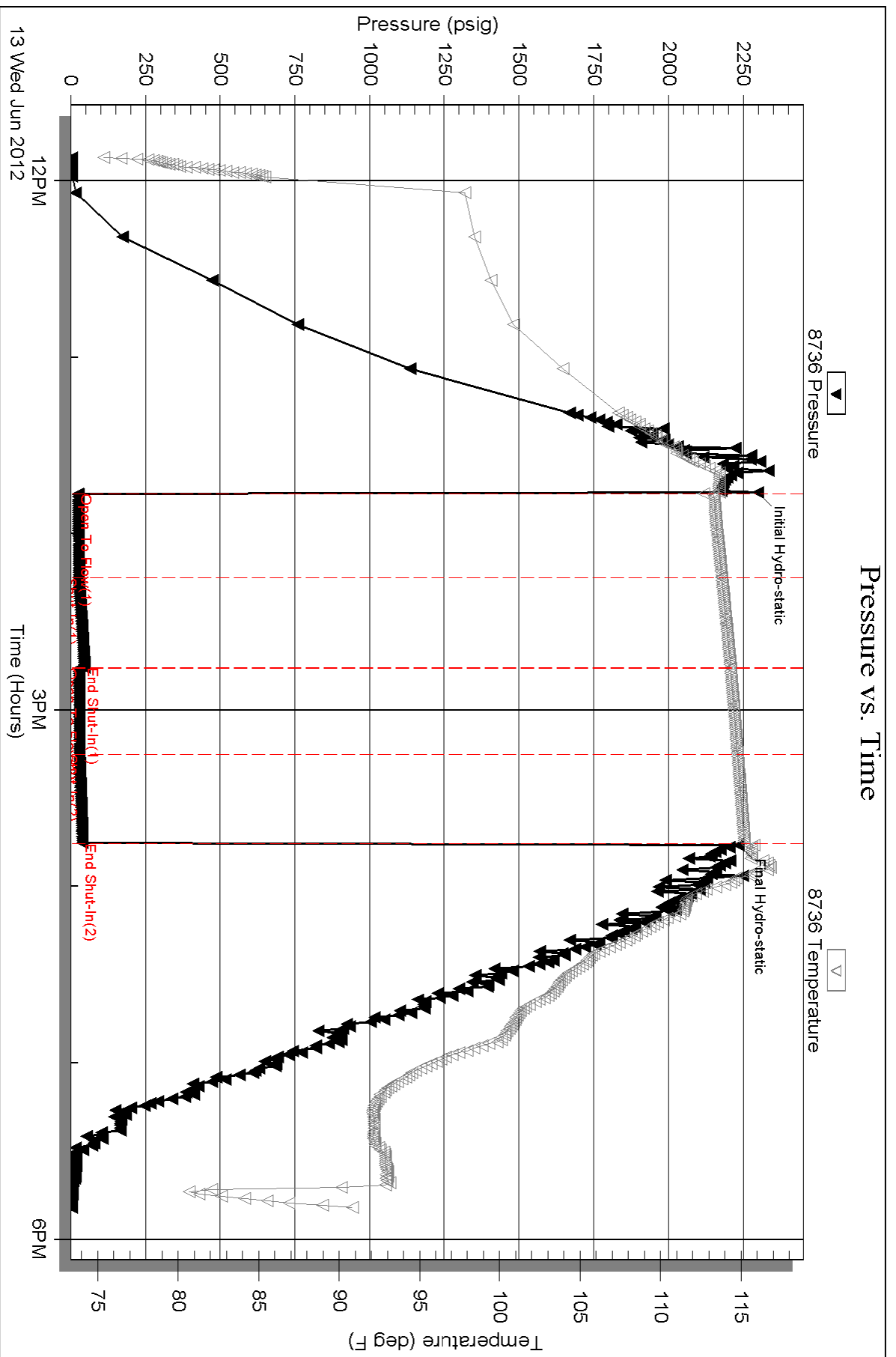
Serial #: 8736

Inside

Hartman Oil Co.

L Maune #6

DST Test Number: 4

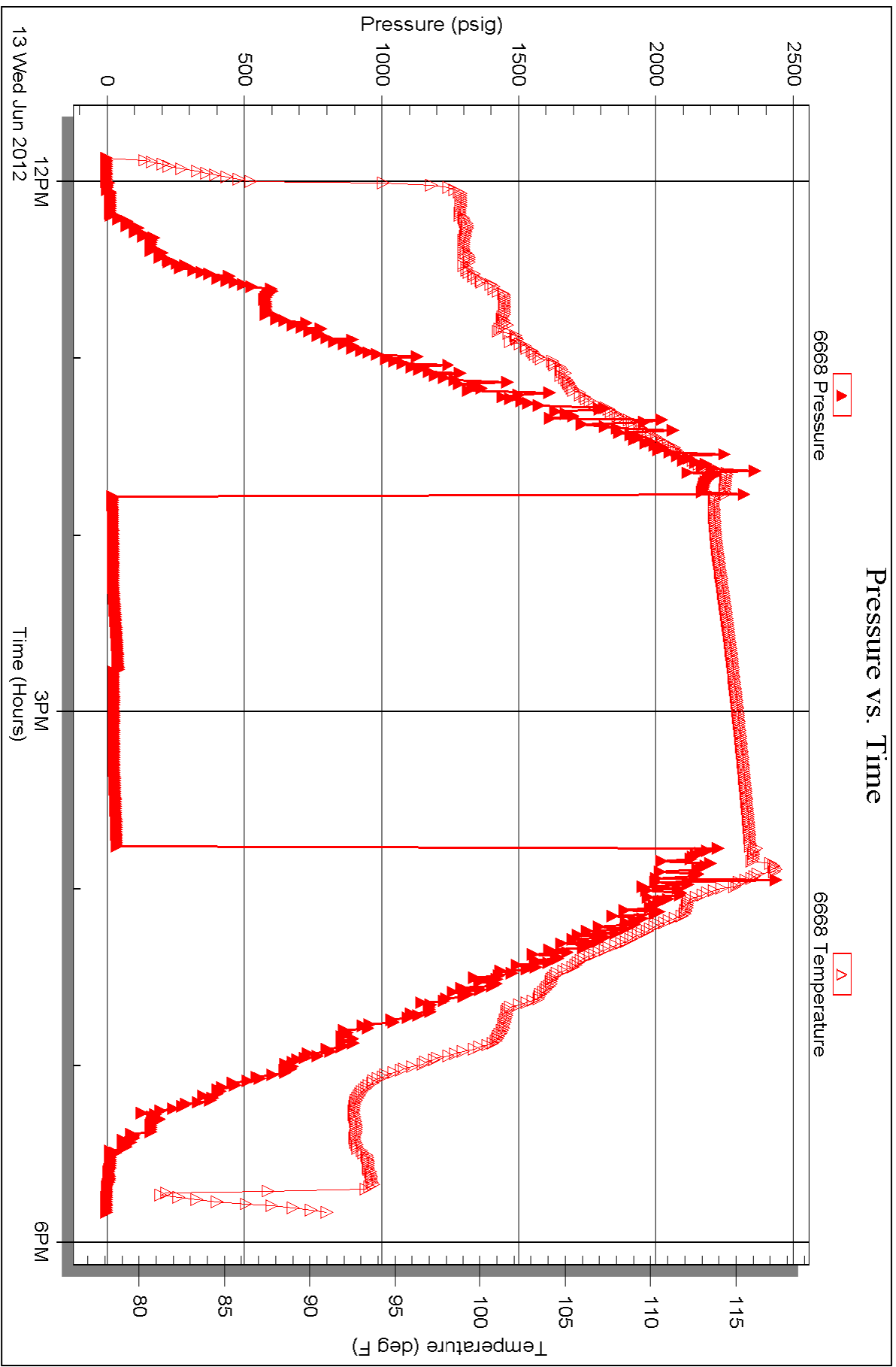


Serial #: 6668

Outside Hartman Oil Co.

L Maure #6

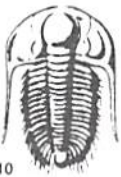
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 48378

Printed: 2012.06.15 @ 15:15:19



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 46575

Well Name & No. Q' Maune #6 Test No. 1 Date 6-9-12  
 Company Hartman Oil Co. Elevation 2905 KB 2895 GL  
 Address 10500 E Berkeley SQ PKWY STE 100 Wichita KS 67206  
 Co. Rep / Geo. Kitt Noah Rig H2 Rig #3  
 Location: Sec. 30 Twp. 21S Rge. 33W Co. Finney State KS

Interval Tested 4034-4066 Zone Tested LKC "I"  
 Anchor Length 32' Drill Pipe Run 3735 Mud Wt. 9.1  
 Top Packer Depth 4030 Drill Collars Run 309' Vis 46  
 Bottom Packer Depth 4034 Wt. Pipe Run 0 WL 80  
 Total Depth 4066 Chlorides 2300 ppm System LCM 2  
 Blow Description IF: BOB in 1 Min  
FS: No Return Blow  
FF: BOB in 1 Min  
FS: No Return Blow

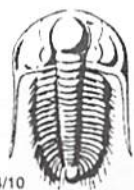
Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>MCO</u>	<u>95</u>		<u>5</u>	
<u>494</u>	<u>WCOM</u>	<u>30</u>	<u>20</u>	<u>50</u>	
<u>248</u>	<u>MCO</u>	<u>20</u>	<u>75</u>	<u>5</u>	
<u>496</u>	<u>OCW</u>	<u>10</u>	<u>90</u>		
<u>309</u>	<u>SW</u>		<u>100</u>		

Rec Total 1639 BHT 114 Gravity — API RW .448 @ 68.4 °F Chlorides 15,000 ppm  
 (A) Initial Hydrostatic 1954  Test 1250 1250.00 T-On Location 18:05  
 (B) First Initial Flow 93  Jars \_\_\_\_\_ T-Started 20:48  
 (C) First Final Flow 559  Safety Joint \_\_\_\_\_ T-Open 23:50  
 (D) Initial Shut-In 974  Circ Sub \_\_\_\_\_ T-Pulled 01:50  
 (E) Second Initial Flow 566  Hourly Standby 2h 200 T-Out 06:01  
 (F) Second Final Flow 771  Mileage SDRT = 77.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 968  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1905  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1527.50  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1527.50 #1327.50/-

Approved By Kitt Noah Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged or 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48376

Well Name & No. L-Maune #6 Test No. 2 Date 6-10-12  
 Company Hartman Oil Co. Elevation 2905 KB 2895 GL  
 Address 10500 E Berkeley SQ PKWY STE 100 Wichita KS 67206  
 Co. Rep / Geo. Kitt Noah Rig H2 Rig #3  
 Location: Sec. 30 Twp. 21S Rge. 33W Co. Fimney State KS

Interval Tested 4223-4254 Zone Tested LKC "L"  
 Anchor Length 31 Drill Pipe Run 3924 Mud Wt. 8.9  
 Top Packer Depth 4219 Drill Collars Run 309 Vis 48  
 Bottom Packer Depth 4223 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4254 Chlorides 3400 ppm System LCM 2

Blow Description IF: Built to BOB in 13 MIN  
IS: Return Blow Built to weak surface Blow  
FF: Built to BOB in 15 MIN.  
FS: Return Blow Built to weak surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>Ø</u>	<u>GIP = 62'</u>	<u>100</u>			
<u>30</u>	<u>Free oil</u>		<u>100</u>		
<u>32</u>	<u>meqo</u>	<u>10</u>	<u>80</u>		<u>10</u>
<u>310</u>	<u>gcomw</u>	<u>5</u>	<u>5</u>	<u>45</u>	<u>45</u>
<u>186</u> <u>124</u>	<u>gcomw</u> <u>sw</u>	<u>5</u>	<u>5</u>	<u>30</u>	<u>60</u>

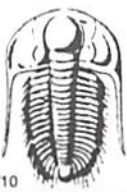
Rec Total BHT 116 Gravity 29 API RW .309 @ 63.9° F Chlorides 25000 ppm

(A) Initial Hydrostatic 2085  Test 1250.00/- T-On Location 22:45  
 (B) First Initial Flow 25  Jars T-Started 23:53  
 (C) First Final Flow 197  Safety Joint T-Open 02:23  
 (D) Initial Shut-In 1056  Circ Sub T-Pulled 05:23  
 (E) Second Initial Flow 198  Hourly Standby T-Out 08:27  
 (F) Second Final Flow 316  Mileage 50 = 77.50/- Comments \_\_\_\_\_  
 (G) Final Shut-In 1052  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2043  Straddle \_\_\_\_\_

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total \$1327.50/-  
 Sub Total 0  
 Total 1327.50  
 MP/DST Disc't \_\_\_\_\_

Approved By Kitt Noah Our Representative Mike Rath

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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48377

Well Name & No. L-Mauve #6 Test No. 3 Date 6-12-12  
 Company Hartman Oil Co. Elevation 2905 KB 2895 GL  
 Address 10500 E. Berkeley SQ PKWY STE 100 Wichita KS 67206  
 Co. Rep / Geo. Kitt Noah Rig H2 Rig #3  
 Location: Sec. 30 Twp. 21S Rge. 33W Co. FINNEY State KS

Interval Tested 4357-4406 Zone Tested Pawnee-Ft. Scott  
 Anchor Length 49' Drill Pipe Run 4048 Mud Wt. 9.3  
 Top Packer Depth 4353 Drill Collars Run 309 Vis 52  
 Bottom Packer Depth 4357 Wt. Pipe Run ∅ WL 8.8.  
 Total Depth 4406 Chlorides 3600 ppm System LCM 1  
 Blow Description IF: BOB in 37 Min  
IS: No Return Blow  
FF: BOB in 23 Min  
FS: Return Blow Built to a weak Surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>∅</u>	<u>62' GIP</u>	<u>100</u>			
<u>120</u>	<u><del>grip</del> mcgo</u>	<u>20</u>	<u>70</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 120 BHT 111 Gravity / API RW / @ / ° F Chlorides / ppm  
 (A) Initial Hydrostatic 2218  Test 1250.00 T-On Location 05:30  
 (B) First Initial Flow 25  Jars T-Started 06:32  
 (C) First Final Flow 52  Safety Joint NC T-Open 08:23  
 (D) Initial Shut-In 190  Circ Sub T-Pulled 11:23  
 (E) Second Initial Flow 52  Hourly Standby T-Out 13:23  
 (F) Second Final Flow 68  Mileage SORT = 77.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 188  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2130  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility 1327.50 Sub Total 0  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1327.50  
 MP/DST Disc't \_\_\_\_\_

Approved By Kitt Noah Our Representative Mike Roberts

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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48378

Well Name & No. L-Maune #6 Test No. 4 Date 6-13-12  
 Company Hartman Oil Co. Elevation 2905 KB 2895 GL  
 Address 10500 E. Berkeley SQ PKWY STE 100 Wichita KS 67206  
 Co. Rep / Geo. Kitt Noah Rig H2 Rig #3  
 Location: Sec. 30 Twp. ~~30~~ 25 Rge. 33w Co. Finney State KS

Interval Tested 4572-4620 Zone Tested Mrw - St - Gren  
 Anchor Length 48 Drill Pipe Run 4268 Mud Wt. 9.2  
 Top Packer Depth 4568 Drill Collars Run 309 Vis 60  
 Bottom Packer Depth ~~4572~~ 4572 Wt. Pipe Run Ø WL 8.0  
 Total Depth 4620 Chlorides 2000 ppm System LCM 3  
 Blow Description IF: 4" Blow died in 20 min  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD with oil spots</u>			<u>100</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 115 Gravity ✓ API RW ✓ @ ✓ ° F Chlorides ✓ ppm

(A) Initial Hydrostatic <u>2298</u>	<input checked="" type="checkbox"/> Test <u>1250.00%</u>	T-On Location <u>10:30</u>
(B) First Initial Flow <u>24</u>	<input type="checkbox"/> Jars	T-Started <u>11:52</u>
(C) First Final Flow <u>27</u>	<input type="checkbox"/> Safety Joint	T-Open <u>13:45</u>
(D) Initial Shut-In <u>46</u>	<input checked="" type="checkbox"/> Circ Sub <u>NL</u>	T-Pulled <u>15:45</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:49</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>50 RT= 77.50</u>	Comments
(G) Final Shut-In <u>39</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2233</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<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>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1327.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1327.50</u>	

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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/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 27, 2012

Stan Mitchell  
Hartman Oil Co., Inc.  
10500 E BERKELEY SQ PKWY STE 100  
WICHITA, KS 67206

Re: ACO1  
API 15-055-22149-00-00  
L MAUNE 6  
NE/4 Sec.30-21S-33W  
Finney County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Stan Mitchell