



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1119961  
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: \_\_\_\_\_



1119961

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

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

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

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

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

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

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	Legere Trust 1-29
Doc ID	1119961

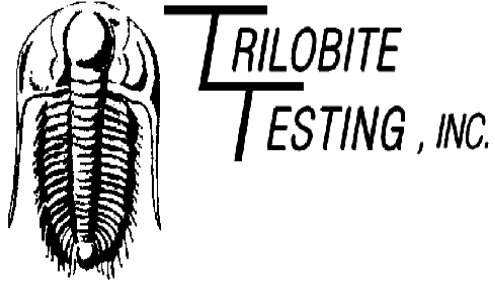
All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Legere Trust 1-29
Doc ID	1119961

Tops

Name	Top	Datum
Topeka	3262	-968
Heebner	3462	-1168
Toronto	3488	-1194
Lansing	3502	-1208
Muncie Creek	3601	-1307
B/KC	3688	-1394
RTD	3800	-1506
LTD	3795	-1501



## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

ATTN: Kitt Noah

### **Legere Trust #1-29**

### **29-5s-22w Norton,KS**

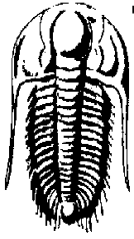
Start Date: 2013.02.15 @ 22:12:00

End Date: 2013.02.16 @ 06:29:30

Job Ticket #: 50556                      DST #: 1

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

Printed: 2013.02.27 @ 11:06:40



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.  
 10500 E. Berkley SQ PKWY STE 100  
 Wichita, KS 67206  
 ATTN: Kitt Noah

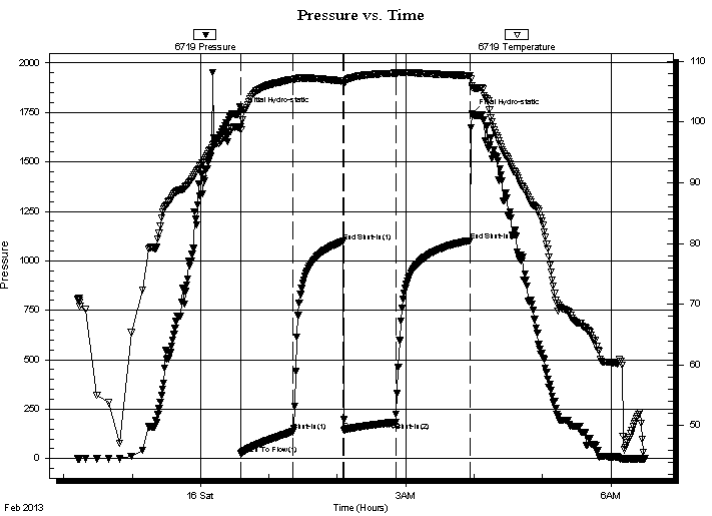
**29-5s-22w Norton, KS**  
**Legere Trust #1-29**  
 Job Ticket: 50556 **DST#: 1**  
 Test Start: 2013.02.15 @ 22:12:00

## GENERAL INFORMATION:

Formation: **LKC 50' zone**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 00:35:30 Tester: James Winder  
 Time Test Ended: 06:29:30 Unit No: 57  
 Interval: **3550.00 ft (KB) To 3568.00 ft (KB) (TVD)** Reference Elevations: 2294.00 ft (KB)  
 Total Depth: 3568.00 ft (KB) (TVD) 2285.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 6719 Inside**  
 Press @ Run Depth: 185.59 psig @ 3551.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.15 End Date: 2013.02.16 Last Calib.: 2013.02.16  
 Start Time: 22:12:05 End Time: 06:29:29 Time On Btm: 2013.02.16 @ 00:35:00  
 Time Off Btm: 2013.02.16 @ 03:58:00

**TEST COMMENT:** 45 - IF: Blow built to BOB (11") in 18 1/2 min. (Diesel in bucket)  
 45 - IS: Bled off, Blow back built to just under 1"  
 45 - FF: Blow built to BOB in 22 min.  
 60 - FS: Bled off, Blow back built to 3 1/2"



## PRESSURE SUMMARY

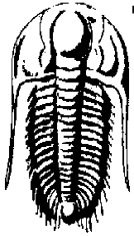
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.17	99.21	Initial Hydro-static
1	24.04	98.76	Open To Flow (1)
46	136.85	107.05	Shut-In(1)
90	1098.58	106.76	End Shut-In(1)
91	144.80	106.33	Open To Flow (2)
136	185.59	108.07	Shut-In(2)
202	1102.76	107.66	End Shut-In(2)
203	1742.85	105.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
247.00	MCW w/oil spots 71%w, 20%m, 2%o,	1.21
70.00	OWCM 52%m, 21%o, 21%w, 6%g	0.41
70.00	CO 92%o, 6%g, 2%m	0.98
0.00	GIP = 110'	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

29-5s-22w Norton, KS

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50556

**DST#: 1**

ATTN: Kitt Noah

Test Start: 2013.02.15 @ 22:12:00

## GENERAL INFORMATION:

Formation: **LKC 50' zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:35:30

Time Test Ended: 06:29:30

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

**Interval: 3550.00 ft (KB) To 3568.00 ft (KB) (TVD)**

Reference Elevations: 2294.00 ft (KB)

Total Depth: 3568.00 ft (KB) (TVD)

2285.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8320 Outside**

Press @ Run Depth: psig @ 3551.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.15 End Date: 2013.02.16

Last Calib.: 2013.02.16

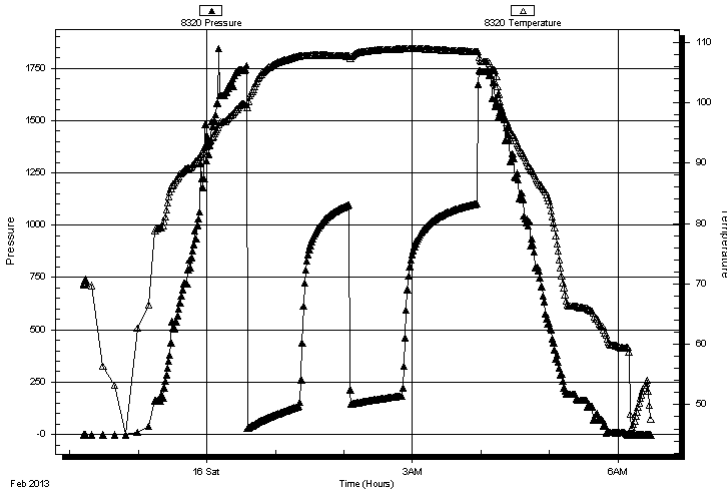
Start Time: 22:12:05 End Time: 06:28:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 45 - IF: Blow built to BOB (11") in 18 1/2 min. (Diesel in bucket)  
45 - IS: Bled off, Blow back built to just under 1"  
45 - FF: Blow built to BOB in 22 min.  
60 - FS: Bled off, Blow back built to 3 1/2"

Pressure vs. Time



## PRESSURE SUMMARY

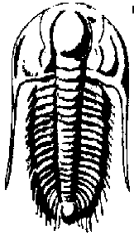
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
247.00	MCW w/oil spots 71%w , 20%m, 2%o,	11.21
70.00	OWCM 52%m, 21%o, 21%w , 6%g	0.41
70.00	CO 92%o, 6%g, 2%m	0.98
0.00	GIP = 110'	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co., Inc.

**29-5s-22w Norton, KS**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50556

**DST#: 1**

ATTN: Kitt Noah

Test Start: 2013.02.15 @ 22:12:00

## Tool Information

Drill Pipe:	Length: 3232.00 ft	Diameter: 3.80 inches	Volume: 45.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 46.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3550.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3527.00	
Hydraulic tool	5.00			3532.00	
Jars	5.00			3537.00	
Safety Joint	3.00			3540.00	
Packer	5.00			3545.00	28.00 Bottom Of Top Packer
Packer	5.00			3550.00	
Stubb	1.00			3551.00	
Recorder	0.00	6719	Inside	3551.00	
Recorder	0.00	8320	Outside	3551.00	
Perforations	14.00			3565.00	
Bullnose	3.00			3568.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 46.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co., Inc.

**29-5s-22w Norton,KS**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50556

**DST#: 1**

ATTN: Kitt Noah

Test Start: 2013.02.15 @ 22:12:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
247.00	MCW w/oil spots 71%w , 20%m, 2%o, 1%g	1.215
70.00	OWCM 52%m, 21%o, 21%w , 6%g	0.408
70.00	CO 92%o, 6%g, 2%m	0.982
0.00	GIP = 110'	0.000

Total Length: 387.00 ft

Total Volume: 2.605 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

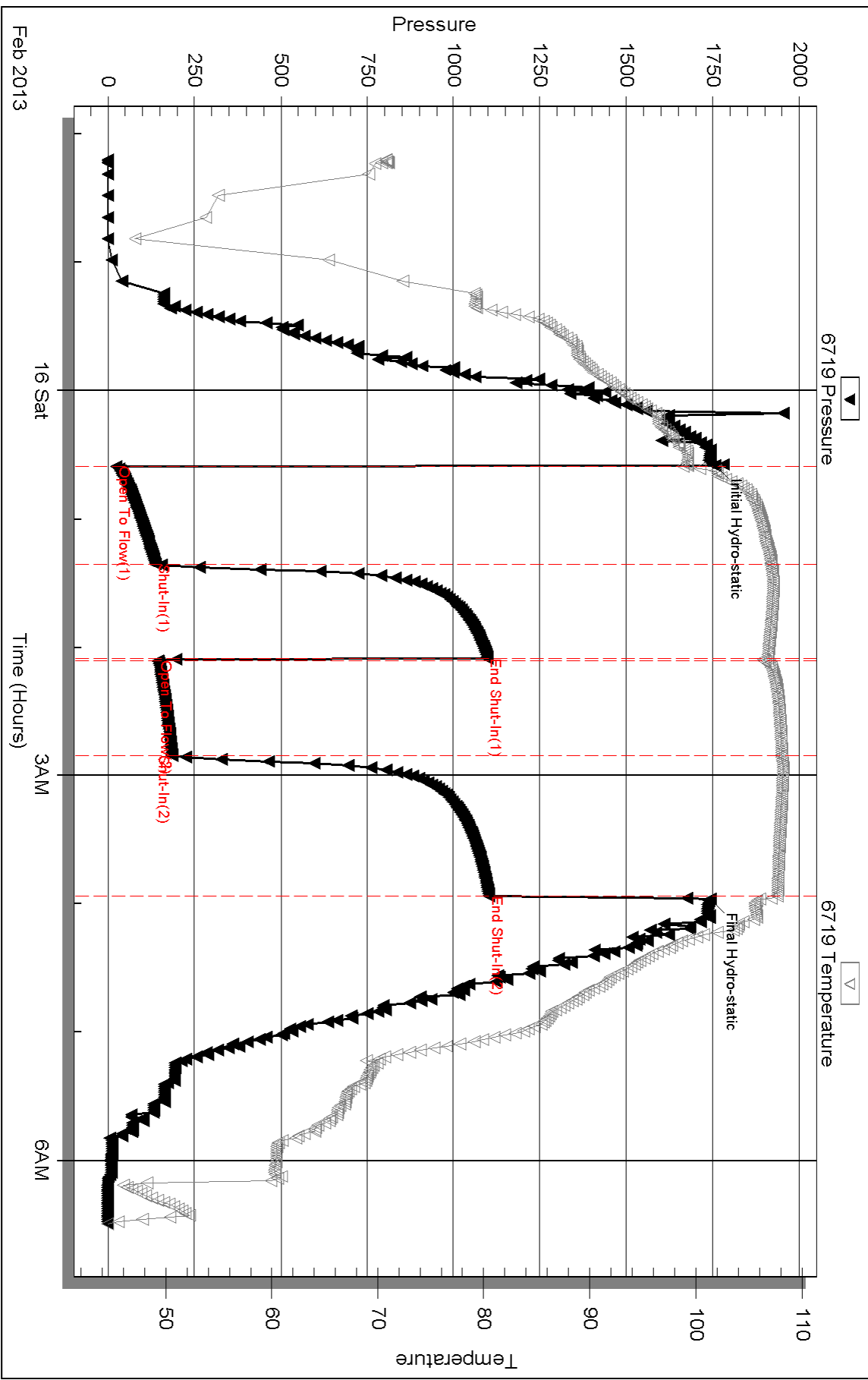
Serial #:

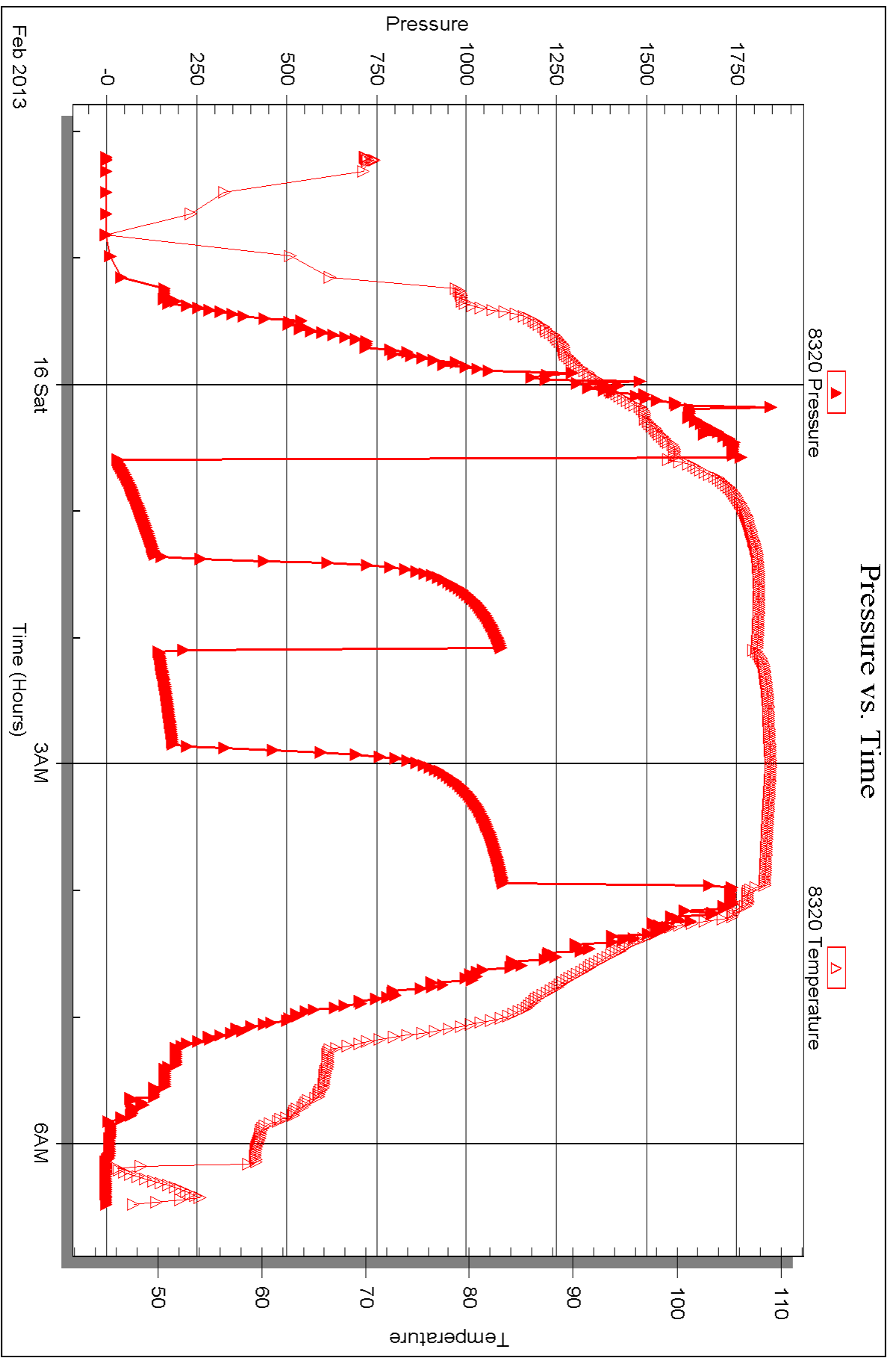
Laboratory Name:

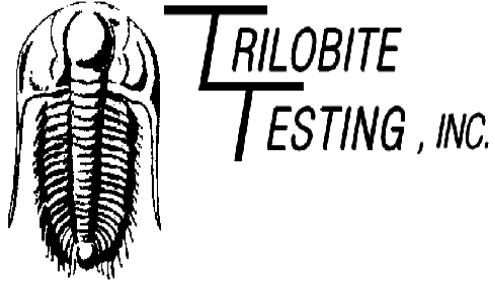
Laboratory Location:

Recovery Comments: Gravity = 31.2 api @ 28 deg F Corrected Gravity = 34.4 api  
RW = .263 ohms @ 59.5 deg F Chlorides = 32,000 ppm

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

ATTN: Kitt Noah

### **Legere Trust #1-29**

### **29-5s-22w Norton,KS**

Start Date: 2013.02.16 @ 13:00:00

End Date: 2013.02.16 @ 19:58:30

Job Ticket #: 50557                      DST #: 2

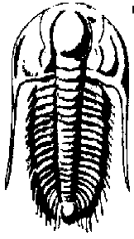
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.02.27 @ 11:05:35

Hartman Oil Co., Inc.  
29-5s-22w Norton,KS  
Legere Trust #1-29  
DST # 2  
LKC 70'-90'  
2013.02.16



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.  
 10500 E. Berkley SQ PKWY STE 100  
 Wichita, KS 67206  
 ATTN: Kitt Noah

**29-5s-22w Norton, KS**  
**Legere Trust #1-29**  
 Job Ticket: 50557 **DST#: 2**  
 Test Start: 2013.02.16 @ 13:00:00

## GENERAL INFORMATION:

Formation: **LKC 70'-90'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:42:00  
 Time Test Ended: 19:58:30  
 Interval: **3567.00 ft (KB) To 3582.00 ft (KB) (TVD)**  
 Total Depth: 3582.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 57  
 Reference Elevations: 2294.00 ft (KB)  
 2285.00 ft (CF)  
 KB to GR/CF: 9.00 ft

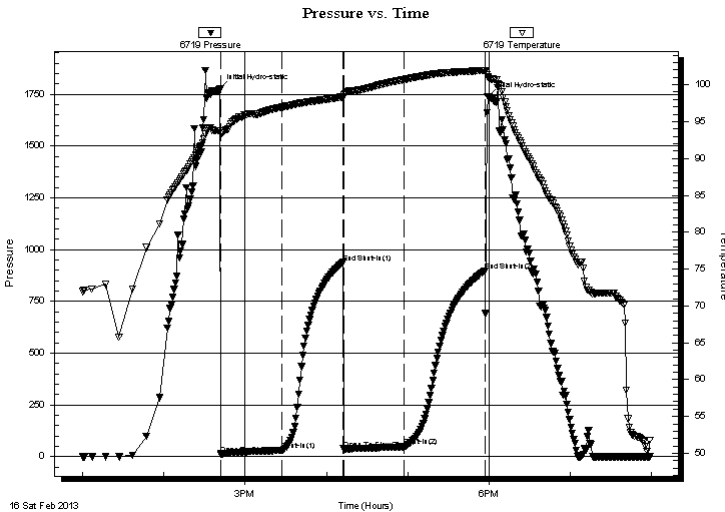
## Serial #: 6719

Inside

Press @ Run Depth: 48.17 psig @ 3568.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.16 End Date: 2013.02.16 Last Calib.: 2013.02.16  
 Start Time: 13:00:05 End Time: 19:58:29 Time On Btm: 2013.02.16 @ 14:41:30  
 Time Off Btm: 2013.02.16 @ 17:59:00

TEST COMMENT: 45 - IF: 1/4" Blow at open, built to 2 1/2" (Diesel in Bucket)  
 45 - IS: Bled off, No blow back  
 45 - FF: Blow built to 1 1/8"  
 60 - FS: Bled off, No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.97	93.75	Initial Hydro-static
1	10.92	93.44	Open To Flow (1)
46	31.17	96.95	Shut-In(1)
91	937.61	98.34	End Shut-In(1)
92	35.59	98.65	Open To Flow (2)
136	48.17	100.72	Shut-In(2)
196	897.59	101.95	End Shut-In(2)
198	1740.06	101.08	Final Hydro-static

## Recovery

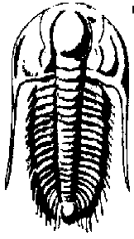
Length (ft)	Description	Volume (bbl)
62.00	SO/WCM 63% <sub>m</sub> , 32% <sub>w</sub> , 4% <sub>o</sub> , 1% <sub>g</sub>	0.30
10.00	WOCM 65% <sub>m</sub> , 24% <sub>o</sub> , 10% <sub>w</sub> , 1% <sub>g</sub>	0.05
10.00	CO 90% <sub>o</sub> , 5% <sub>g</sub> , 5% <sub>m</sub>	0.05

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co., Inc.

**29-5s-22w Norton, KS**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50557

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2013.02.16 @ 13:00:00

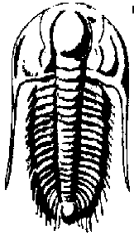
## Tool Information

Drill Pipe:	Length: 3263.00 ft	Diameter: 3.80 inches	Volume: 45.77 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 47.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3567.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3552.00	
Hydraulic tool	5.00			3557.00	
Packer	5.00			3562.00	20.00 Bottom Of Top Packer
Packer	5.00			3567.00	
Stubb	1.00			3568.00	
Recorder	0.00	6719	Inside	3568.00	
Recorder	0.00	8320	Outside	3568.00	
Perforations	11.00			3579.00	
Bullnose	3.00			3582.00	15.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co., Inc.

**29-5s-22w Norton, KS**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50557

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2013.02.16 @ 13:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	SO/WCM 63% <i>m</i> , 32% <i>w</i> , 4% <i>o</i> , 1% <i>g</i>	0.305
10.00	WOCM 65% <i>m</i> , 24% <i>o</i> , 10% <i>w</i> , 1% <i>g</i>	0.049
10.00	CO 90% <i>o</i> , 5% <i>g</i> , 5% <i>m</i>	0.049

Total Length: 82.00 ft      Total Volume: 0.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

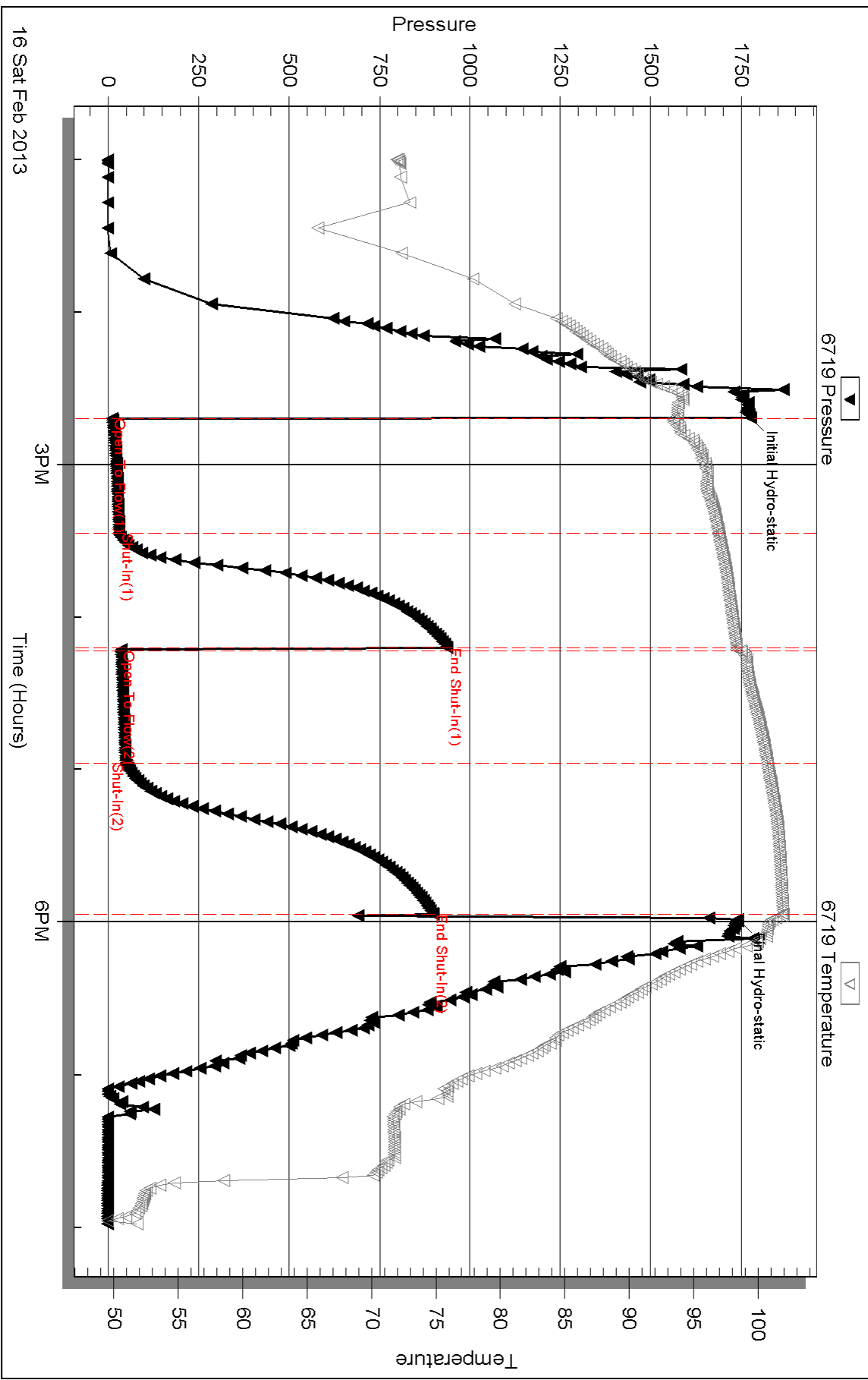
Laboratory Location:

Recovery Comments: Gravity = 31.8 api @ 46 deg F Corrected Gravity = 33.2 api

RW = .441 ohms @ 51.3 deg F Chlorides = 22,000 ppm



### Pressure vs. Time

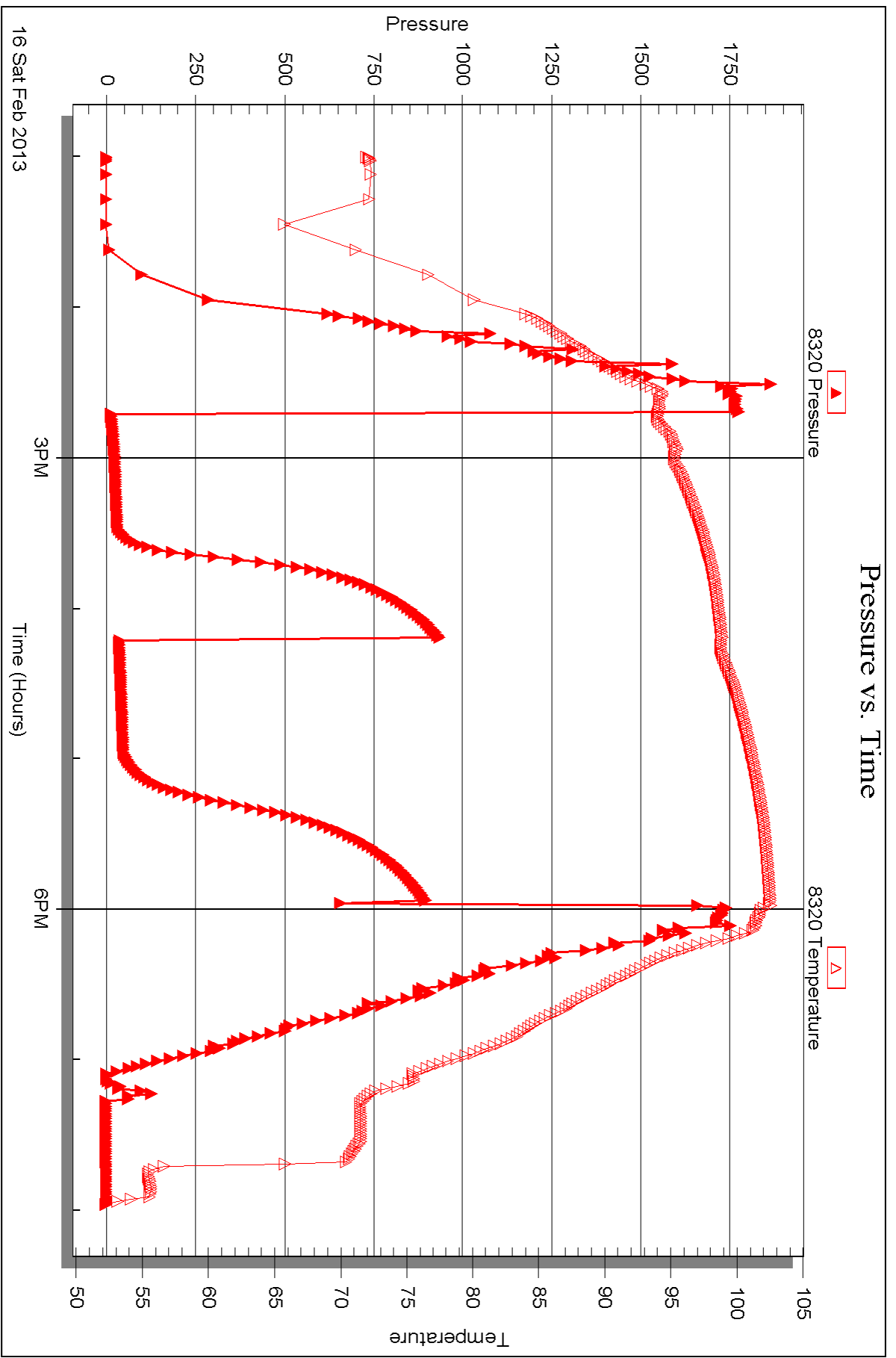


Serial #: 8320

Outside Hartman Oil Co., Inc.

Legere Trust #1-29

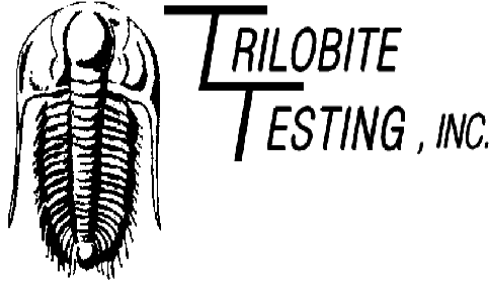
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50557

Printed: 2013.02.27 @ 11:05:38



## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

ATTN: Kitt Noah

### **Legere Trust #1-29**

### **29-5s-22w Norton,KS**

Start Date: 2013.02.17 @ 09:05:00

End Date: 2013.02.17 @ 17:19:00

Job Ticket #: 50558                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.02.27 @ 11:04:58

Hartman Oil Co., Inc.

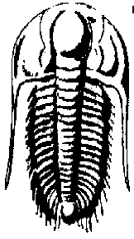
29-5s-22w Norton,KS

Legere Trust #1-29

DST # 3

LKC 180 zone

2013.02.17



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.  
 10500 E. Berkley SQ PKWY STE 100  
 Wichita, KS 67206  
 ATTN: Kitt Noah

**29-5s-22w Norton, KS**  
**Legere Trust #1-29**  
 Job Ticket: 50558 **DST#: 3**  
 Test Start: 2013.02.17 @ 09:05:00

## GENERAL INFORMATION:

Formation: **LKC 180 zone**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 11:46:30 Tester: James Winder  
 Time Test Ended: 17:19:00 Unit No: 57  
 Interval: **3633.00 ft (KB) To 3663.00 ft (KB) (TVD)** Reference Elevations: 2294.00 ft (KB)  
 Total Depth: 3663.00 ft (KB) (TVD) 2285.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

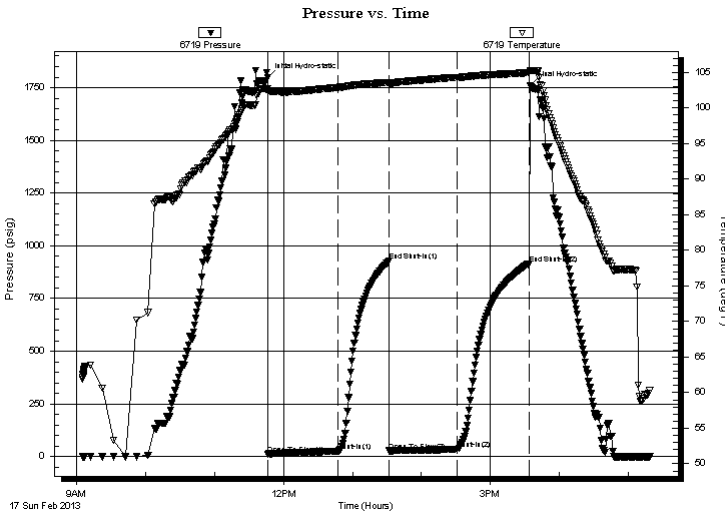
## Serial #: 6719

Inside

Press @ Run Depth: 34.66 psig @ 3634.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.17 End Date: 2013.02.17 Last Calib.: 2013.02.17  
 Start Time: 09:05:05 End Time: 17:18:59 Time On Btm: 2013.02.17 @ 11:46:00  
 Time Off Btm: 2013.02.17 @ 15:34:30

TEST COMMENT: 60 - IF: Blow built to 1 3/8" (Diesel in bucket)  
 45 - IS: Bled off, No blow back  
 60 - FF: Blow built to 1/4"  
 60 - FS: Bled off, No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.91	102.72	Initial Hydro-static
1	12.56	102.41	Open To Flow (1)
62	25.70	102.88	Shut-In(1)
106	926.41	103.61	End Shut-In(1)
106	27.51	103.44	Open To Flow (2)
165	34.66	104.29	Shut-In(2)
228	915.27	104.95	End Shut-In(2)
229	1759.67	105.22	Final Hydro-static

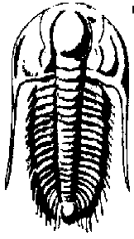
## Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud w /trace of Oil 100%m	0.22

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.  
 10500 E. Berkley SQ PKWY STE 100  
 Wichita, KS 67206  
 ATTN: Kitt Noah

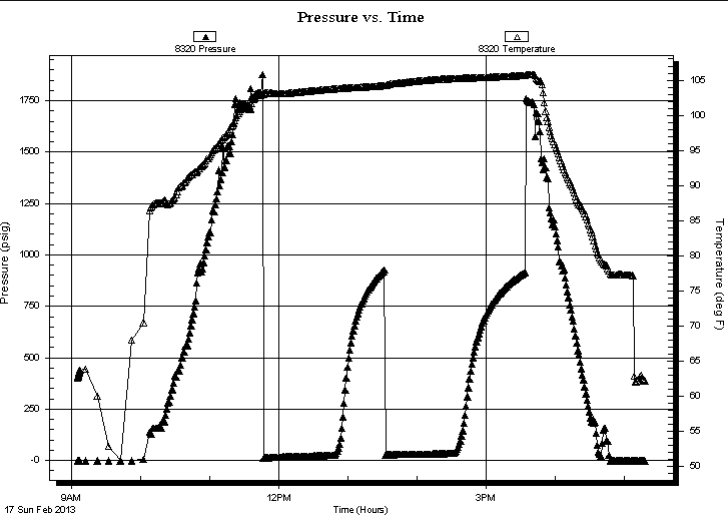
**29-5s-22w Norton, KS**  
**Legere Trust #1-29**  
 Job Ticket: 50558 **DST#: 3**  
 Test Start: 2013.02.17 @ 09:05:00

**GENERAL INFORMATION:**

Formation: **LKC 180 zone**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 11:46:30 Tester: James Winder  
 Time Test Ended: 17:19:00 Unit No: 57  
 Interval: **3633.00 ft (KB) To 3663.00 ft (KB) (TVD)** Reference Elevations: 2294.00 ft (KB)  
 Total Depth: 3663.00 ft (KB) (TVD) 2285.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8320 Outside**  
 Press @ Run Depth: psig @ 3634.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.17 End Date: 2013.02.17 Last Calib.: 2013.02.17  
 Start Time: 09:05:05 End Time: 17:17:59 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 60 - IF: Blow built to 1 3/8" (Diesel in bucket)  
 45 - IS: Bled off, No blow back  
 60 - FF: Blow built to 1/4"  
 60 - FS: Bled off, No blow back

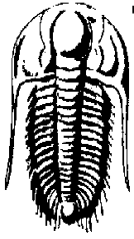


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
45.00	Mud w /trace of Oil 100%m	0.22

\* Recovery from multiple tests

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co., Inc.

**29-5s-22w Norton,KS**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50558

**DST#: 3**

ATTN: Kitt Noah

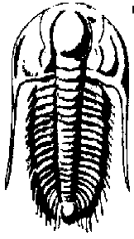
Test Start: 2013.02.17 @ 09:05:00

## Tool Information

Drill Pipe:	Length: 3328.00 ft	Diameter: 3.80 inches	Volume: 46.68 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 48.20 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	3633.00 ft			Final	57000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

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

Shut In Tool	5.00			3618.00	
Hydraulic tool	5.00			3623.00	
Packer	5.00			3628.00	20.00 Bottom Of Top Packer
Packer	5.00			3633.00	
Stubb	1.00			3634.00	
Recorder	0.00	6719	Inside	3634.00	
Recorder	0.00	8320	Outside	3634.00	
Perforations	26.00			3660.00	
Bullnose	3.00			3663.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>50.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co., Inc.

**29-5s-22w Norton, KS**

10500 E. Berkley SQ PKWY STE 100  
Wichita, KS 67206

**Legere Trust #1-29**

Job Ticket: 50558

**DST#: 3**

ATTN: Kitt Noah

Test Start: 2013.02.17 @ 09:05:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud w /trace of Oil 100%m	0.221

Total Length: 45.00 ft      Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

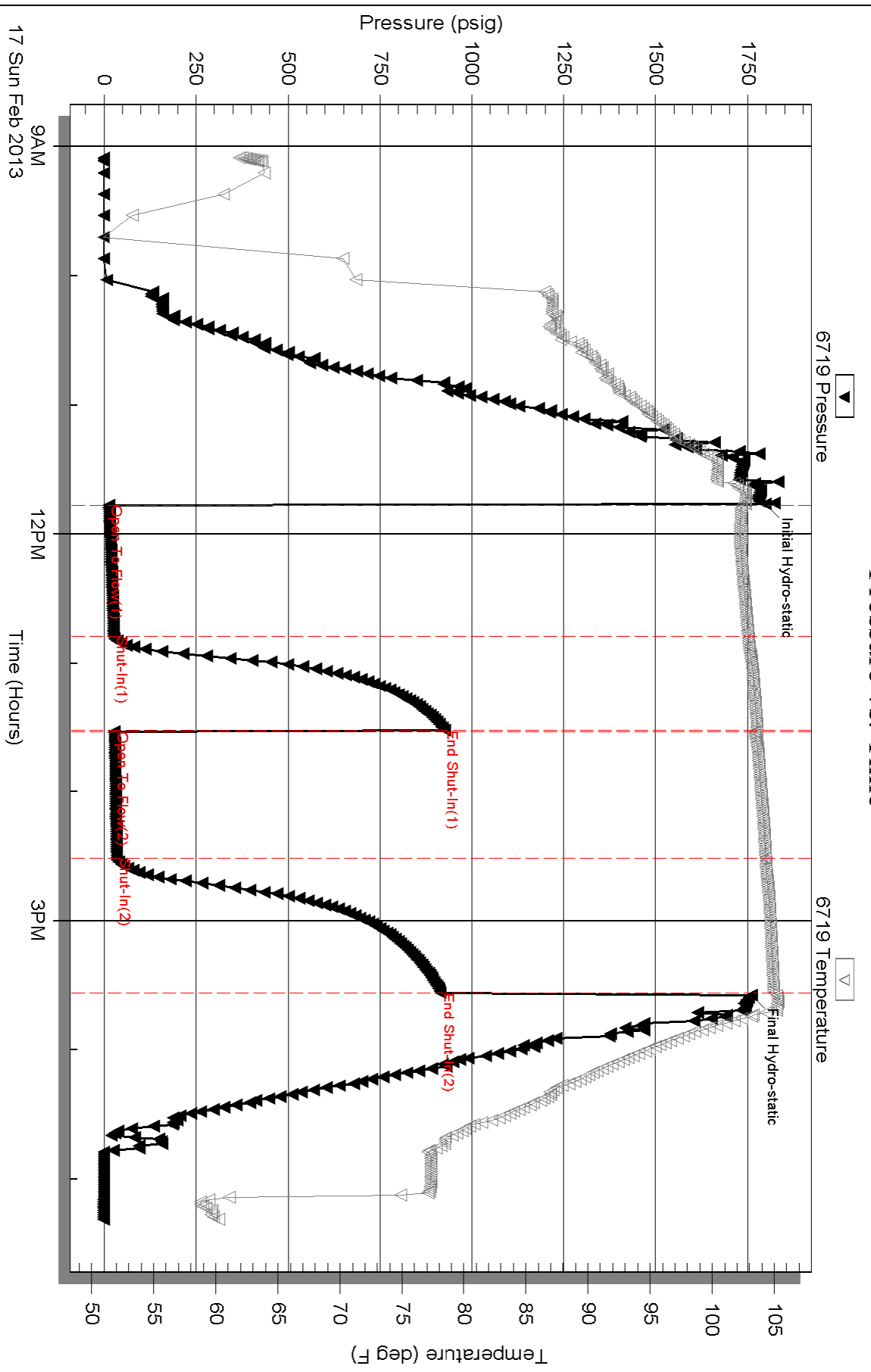
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



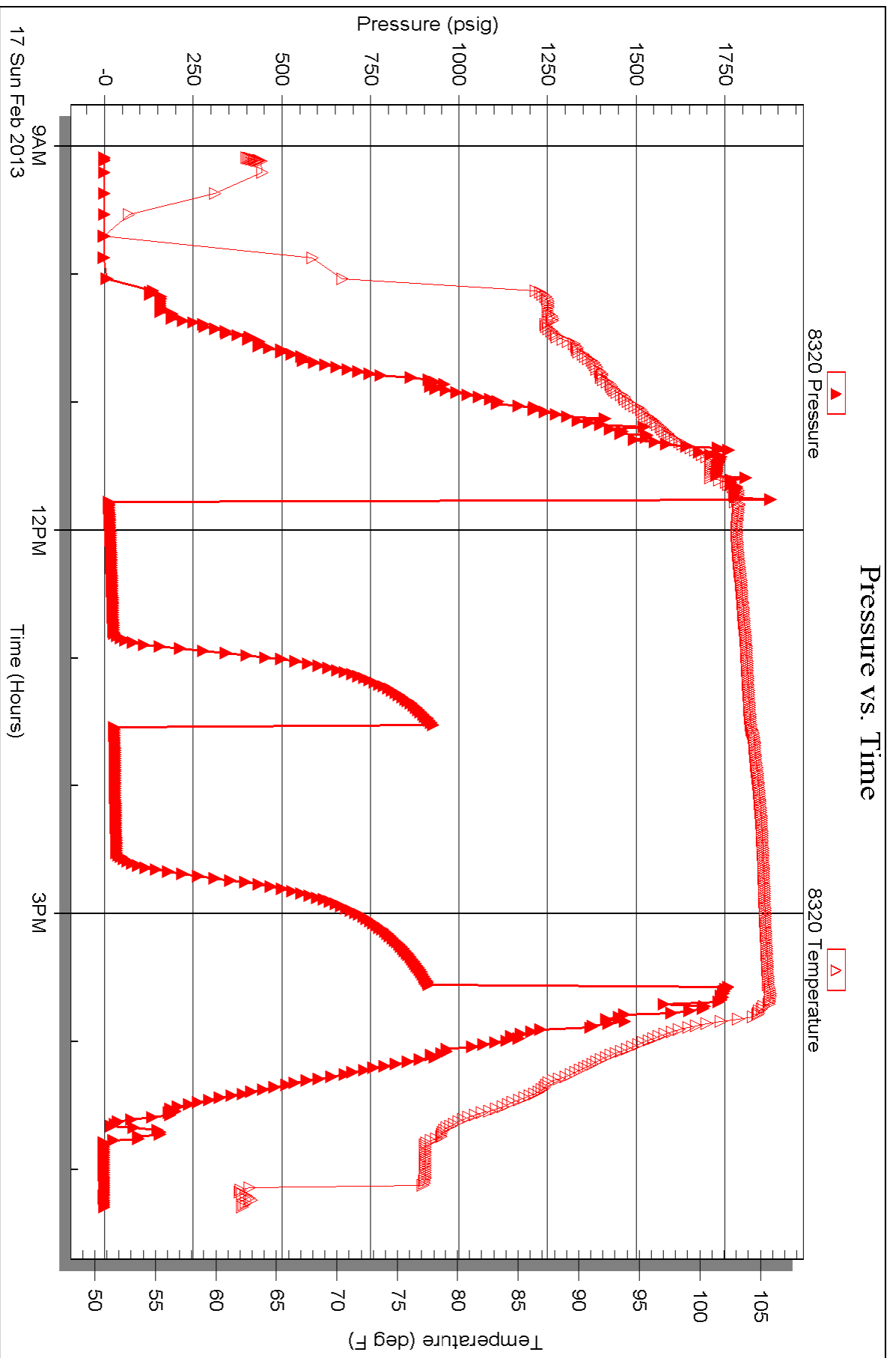


Serial #: 8320

Outside Hartman Oil Co., Inc.

Legere Trust #1-29

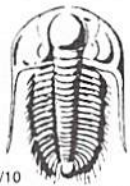
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 50558

Printed: 2013.02.27 @ 11:05:01



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50556

4/10

Well Name & No. Legere Trust #1-29 Test No. 1 Date 2-15-13  
 Company Hartman Oil Co. Inc. Elevation 2294 KB 22805 GL  
 Address 10500 E Berkeley Sq PKWY STE 100 Wichita, KS 67206  
 Co. Rep / Geo. Kit Noah Rig H2 #3  
 Location: Sec. 29 Twp. 5s Rge. 22w Co. Norton State KS

Interval Tested 3550-3568 Zone Tested LKC 50' zone  
 Anchor Length 18 Drill Pipe Run 3232 Mud Wt. 8.8  
 Top Packer Depth 3545 Drill Collars Run 310 Vis 51  
 Bottom Packer Depth 3550 Wt. Pipe Run - WL 6.8  
 Total Depth 3568 Chlorides 700 ppm System LCM 1

Blow Description IF: Blow built to BOB (11") in 18 1/2 min. (Diesel in bucket)  
FSI: Bled off, Blowback built to just under 1"  
FF: Blow built to BOB in 22 min.  
FSI: Bled off, Blowback built to 3 1/2"

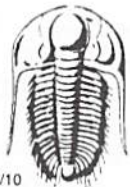
Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>CO</u>	<u>6</u>	<u>92</u>	<u>-</u>	<u>2</u>
<u>70</u>	<u>OWCM</u>	<u>6</u>	<u>21</u>	<u>21</u>	<u>52</u>
<u>247</u>	<u>MCW w/oil spots</u>	<u>1</u>	<u>2</u>	<u>71</u>	<u>20</u>
<u>    </u>	<u>GIP = 110'</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>

Rec Total 387 Fluid 110' GIP BHT 108 Gravity 34.4 API RW .263 @ 59.5 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic <u>1756</u>	<input type="checkbox"/> Test <u>*</u> 1150	T-On Location <u>21:25</u>
(B) First Initial Flow <u>24</u>	<input type="checkbox"/> Jars <u>*</u> 250	T-Started <u>22:12</u>
(C) First Final Flow <u>137</u>	<input type="checkbox"/> Safety Joint <u>*</u> 75	T-Open <u>00:35</u>
(D) Initial Shut-In <u>1099</u>	<input checked="" type="checkbox"/> Circ Sub <u>* NA</u>	T-Pulled <u>3:56</u>
(E) Second Initial Flow <u>145</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>6:25</u>
(F) Second Final Flow <u>186</u>	<input type="checkbox"/> Mileage <u>110RT</u> 170.50	Comments
(G) Final Shut-In <u>1103</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1743</u>	<input checked="" type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input checked="" type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1645.50</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1645.50</u>	

Approved By Kit Noah Our Representative James Winder

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **50557**

Well Name & No. Legere Trust #1-29 Test No. 2 Date 2-16-13  
 Company Hartman Oil Co. Inc. Elevation 2294 KB 2285 GL  
 Address 10500 E Berkeley Sg Pkwy STE 100 Wichita, KS 67206  
 Co. Rep / Geo. Kitt Noah Rig H-2 #3  
 Location: Sec. 29 Twp. 5s Rge. 22w Co. Norton State KS

Interval Tested 3567 - 3582 Zone Tested LKC 70'-90'  
 Anchor Length 15 Drill Pipe Run 3263 Mud Wt. 9.1  
 Top Packer Depth 3562 Drill Collars Run 310 Vis 51  
 Bottom Packer Depth 3567 Wt. Pipe Run - WL 6.8  
 Total Depth 3582 Chlorides 800 ppm System LCM 2

Blow Description IF: 1/4" Blow at open, built to 2 1/2" (Diesel in bucket)  
ISI: Bled off, No blowback  
FF: Blow built to 1 1/8"  
FSI: Bled off, No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>CO</u>	<u>5</u>	<u>90</u>	<u>-</u>	<u>5</u>
<u>10</u>	<u>wocm</u>	<u>1</u>	<u>24</u>	<u>10</u>	<u>65</u>
<u>62</u>	<u>SO/wcm</u>	<u>1</u>	<u>4</u>	<u>32</u>	<u>63</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 82 BHT 102 Gravity 33.2 API RW .441 @ 51.3 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic 1775  Test \* 1150 T-On Location 12:15  
 (B) First Initial Flow 11  Jars \_\_\_\_\_ T-Started 13:00  
 (C) First Final Flow 31  Safety Joint \_\_\_\_\_ T-Open 14:42  
 (D) Initial Shut-In 938  Circ Sub \*NA T-Pulled 17:57  
 (E) Second Initial Flow 36  Hourly Standby \_\_\_\_\_ T-Out 19:55  
 (F) Second Final Flow 48  Mileage 110 RT 170.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 898  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1740  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1320.50  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1320.50

Approved By Kitt Noah Our Representative James Winder

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50558

4/10

Well Name & No. Legere Trust #1-29 Test No. 3 Date 2-17-13  
 Company Hartman Oil Co. Inc. Elevation 2294 KB 2285 GL  
 Address 10500 E Berkeley Sq Pkwy STE 100 Wichita, KS 67206  
 Co. Rep / Geo. Kit Noah Rig H2 #3  
 Location: Sec. 29 Twp. 5S Rge. 22w Co. Norton State KS

Interval Tested 3633 - 3663 Zone Tested LKC • 180' zone  
 Anchor Length 30 Drill Pipe Run 3328 Mud Wt. 9.2  
 Top Packer Depth 3628 Drill Collars Run 310 Vis 52  
 Bottom Packer Depth 3633 Wt. Pipe Run - WL 7.8  
 Total Depth 3663 Chlorides 800 ppm System LCM 2

Blow Description IF: Blow built to 1 3/8" (Diesel in bucket)  
ISI: Bled off, No blowback  
FF: Blow built to 1/4"  
FSI: Bled off, No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Mud w/trace oil</u>	<u>-</u>	<u>trace</u>	<u>-</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 45 BHT 105 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1798  Test 1150 T-On Location 8:00  
 (B) First Initial Flow 13  Jars T-Started 9:05  
 (C) First Final Flow 26  Safety Joint T-Open 11:46  
 (D) Initial Shut-In 926  Circ Sub XNA T-Pulled 15:33  
 (E) Second Initial Flow 28  Hourly Standby 1/4hr 25 T-Out 5:15  
 (F) Second Final Flow 35  Mileage 110RT 170.50  
 (G) Final Shut-In 915  Sampler  
 (H) Final Hydrostatic 1760  Straddle

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total 1345.50  
 Sub Total 0  
 Total 1345.50  
 MP/DST Disc't

Approved By Kit Noah Our Representative James Winder

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

PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 134961  
Invoice Date: Feb 18, 2013  
Page: 1

**Bill To:**

Hartman Oil Co., Inc.  
H2 Drilling & H2 Trucking  
3545 W. Jones Avenue  
Garden City, KS 67846

Now Includes:



81536

Customer ID	Field Ticket #	Payment Terms	
Hart	60117	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Oakley	Feb 18, 2013	3/20/13

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Legere Trust #1-29 Class A Common	17.90	2,201.70
82.00	MAT	Pozmix	9.35	766.70
7.00	MAT	Gel	23.40	163.80
51.00	MAT	Flo Seal	2.97	151.47
220.16	SER	Cubic Feet	2.48	545.99
919.85	SER	Ton Mileage	2.60	2,391.61
1.00	SER	Plug to Abandon	2,249.84	2,249.84
98.00	SER	Pump Truck Mileage	7.70	754.60
98.00	SER	Light Vehicle Mileage	4.40	431.20
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Ty Schrock		

PeA  
A.V. Miltner  
3-4-13

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2,538.78

ONLY IF PAID ON OR BEFORE  
Mar 15, 2013

Subtotal	9,764.55
Sales Tax	688.40
Total Invoice Amount	10,452.95
Payment/Credit Applied	
<b>TOTAL</b>	<b>10,452.95</b>

**SCANNED**  
Catherine  
3-4-13

# ALLIED OIL & GAS SERVICES, LLC 060117

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Dasley, ks

DATE <u>2-18-13</u>	SEC. <u>29</u>	TWP. <u>5</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Lejere Trust</u>	WELL # <u>1-29</u>	LOCATION <u>Hill city, 140 1/2 E., 1/2 W. Winda</u>			COUNTY <u>Newton</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

2-03 7.05  
all

CONTRACTOR H2 #3  
TYPE OF JOB PTA  
HOLE SIZE 7 7/8 T.D. 3800  
CASING SIZE DEPTH  
TUBING SIZE DEPTH  
DRILL PIPE 4 1/2 DEPTH 1936  
TOOL DEPTH  
PRES. MAX MINIMUM  
MEAS. LINE SHOE JOINT  
CEMENT LEFT IN CSG.  
PERFS.  
DISPLACEMENT

OWNER Same  
CEMENT  
AMOUNT ORDERED 205 SKS 60/40 4%  
1/4 flt seal

EQUIPMENT  
PUMP TRUCK CEMENTER Andrew 1  
# 431 HELPER Dave 2  
BULK TRUCK  
# 401 DRIVER Ty 3  
BULK TRUCK  
# DRIVER

COMMON 123 SKS @ 17.90 2201.70  
POZMIX 88 SKS @ 9.35 822.80  
GEL 7 SKS @ 23.40 163.80  
CHLORIDE @  
ASC @  
Flt Seal 51 LBS @ 2.97 151.27  
HANDLING 220.16 cu ft @ 2.48 545.99  
MILEAGE 220 ton/mile 9.19 ton 2039.61

REMARKS:  
1936' 25 SKS  
1140' 100 SKS  
400' 40 SKS  
40' 10 SKS  
R/T Hole 30 SKS

919.85 TOTAL 6221.27  
SERVICE

DEPTH OF JOB 1930'  
PUMP TRUCK CHARGE 2242.84  
EXTRA FOOTAGE @  
MILEAGE 98 @ 2.70 264.60  
MANIFOLD @  
Light Vehical @ 4.40 431.20

CHARGE TO: Hartman Oil Co. Inc.  
STREET  
CITY STATE ZIP

TOTAL 3435.64

PLUG & FLOAT EQUIPMENT

8 5/8  
Wooden Plug @ 107.64

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME  
SIGNATURE Jose L. Garcia

688.40 TOTAL 207.64  
SALES TAX (if Any) 688.40  
TOTAL CHARGES 9714.55 9764.55  
DISCOUNT 2535.78 IF PAID IN 30 DAYS

7100.76 Net 2538.78 Disc  
7225.77 Net

PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 134870  
Invoice Date: Feb 12, 2013  
Page: 1

<b>Bill To:</b>
Hartman Oil Co., Inc. H2 Drilling & H2 Trucking 3545 W. Jones Avenue Garden City, KS 67846

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Hart	60045	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Feb 12, 2013	3/14/13

Quantity	Item	Description	Unit Price	Amount
		Legere Trust #1-29 <i>81536</i>		
210.00	MAT	Class A Common	17.90	3,759.00
4.00	MAT	Gel	23.40	93.60
7.00	MAT	Chloride	64.00	448.00
227.08	SER	Cubic Feet	2.48	563.16
1,015.28	SER	Ton Mileage	2.60	2,639.73
1.00	SER	Surface	1,512.25	1,512.25
98.00	SER	Pump Truck Mileage	7.70	754.60
1.00	SER	Manifold Head Rental	275.00	275.00
98.00	SER	Light Vehicle Mileage	4.40	431.20
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Brandon Wilkinson		

*PdA*

*A. V. Mulchier*  
*2-25-13*

Subtotal	10,584.18
Sales Tax	310.78
Total Invoice Amount	10,894.96
Payment/Credit Applied	
<b>TOTAL</b>	<b>10,894.96</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1,905.15

ONLY IF PAID ON OR BEFORE  
Mar 9, 2013

# ALLIED OIL & GAS SERVICES, LLC 060045

Federal Tax I.D. # 20-8661476

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley

DATE <u>2-12-13</u>	SEC. <u>29</u>	TWR. <u>5</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 Am</u>	JOB FINISH <u>7:30 Am</u>	
LEASE <u>Lagere Trust</u>	WELL # <u>1-29</u>		LOCATION <u>Hillcity 14N 1 1/2 E 1 1/2 N</u>		COUNTY <u>Norton</u>	STATE <u>Ks.</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one)			Winto					2.01 7.05

CONTRACTOR H2 #3

TYPE OF JOB Surface

HOLE SIZE 12 1/4 TD. 337'

CASING SIZE 8 5/8 DEPTH 337'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 20.60

OWNER Same

CEMENT AMOUNT ORDERED 210 SKs Com 3% CC  
2% Gel

COMMON	<u>210 SKs</u>	@ <u>17.92</u>	<u>\$ 3759.00</u>
POZMIX		@	
GEL	<u>4 SKs</u>	@ <u>23.40</u>	<u>\$ 93.60</u>
CHLORIDE	<u>7 SKs</u>	@ <u>64.00</u>	<u>\$ 448.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>227.08</u>	x <u>2.48</u>	<u>\$ 563.16</u>
MILEAGE	<u>10.36</u>	x <u>98</u>	x <u>2.00</u> <u>\$ 207.20</u>
		TOTAL	<u>\$ 7503.96</u>

EQUIPMENT

PUMP TRUCK CEMENTER Drewen Rosette 1

# 423-281 HELPER Tyler Flipse 2

BULK TRUCK

# 347 DRIVER Brandon Wilkinson 3

BULK TRUCK

# DRIVER

REMARKS:  
Mix 210 SKs Cement  
Displace with water  
Cement did Circulate

Thank You.

CHARGE TO: Hartman Oil Co Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Gary Axtell

SIGNATURE Gary Axtell

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \$1512.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 98 @ \$7.20 \$ 705.60

MANIFOLD Head @ \$275.00

LV mileage @ \$4.40 \$ 431.20

TOTAL \$ 2973.05

PLUG & FLOAT EQUIPMENT

1 Wooden Plug @ \$107.60

TOTAL \$ 107.60

SALES TAX (If Any) 310.77

TOTAL CHARGES 10,584.18

DISCOUNT 1904.15 IF PAID IN 30 DAYS

Net 8679.03



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  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 06, 2013

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

Re: ACO1  
API 15-137-20631-00-00  
Legere Trust 1-29  
SE/4 Sec.29-05S-22W  
Norton 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