

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.

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 #: 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

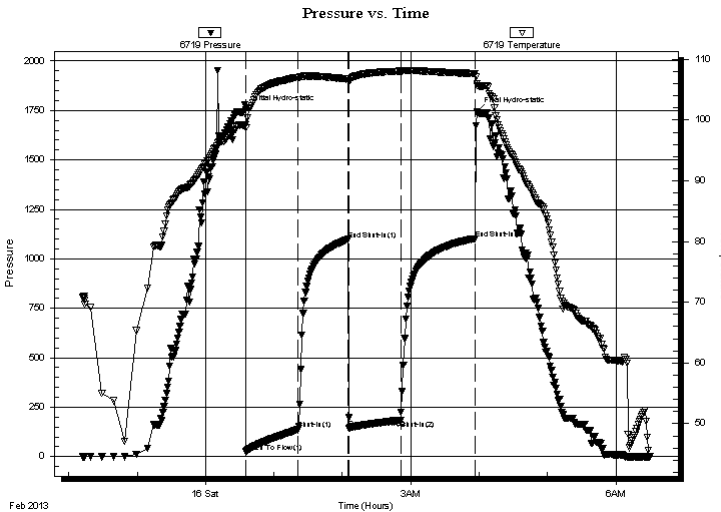
End Time: 06:29:29

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



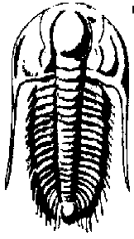
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.17	99.21	Initial Hydro-static
1	24.04	98.76	Open To Flow (1)
46	136.85	107.05	Shut-In(1)
90	1098.58	106.76	End Shut-In(1)
91	144.80	106.33	Open To Flow (2)
136	185.59	108.07	Shut-In(2)
202	1102.76	107.66	End Shut-In(2)
203	1742.85	105.97	Final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



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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:

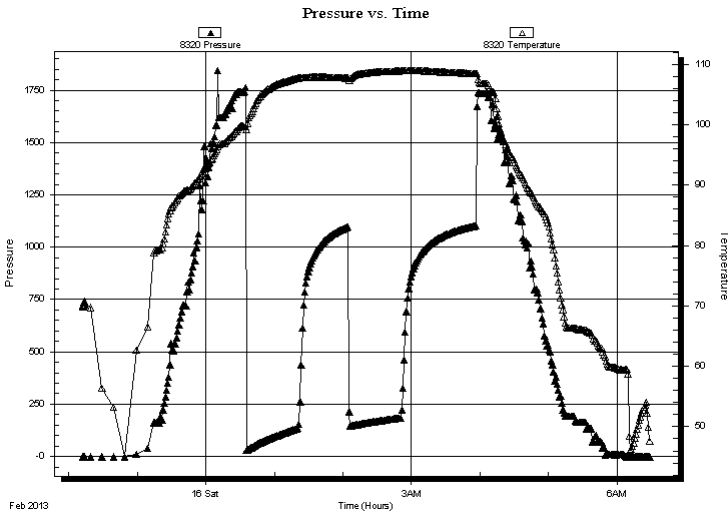
Formation: **LKC 50' zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:35:30
 Time Test Ended: 06:29:30
Interval: 3550.00 ft (KB) To 3568.00 ft (KB) (TVD)
 Total Depth: 3568.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: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



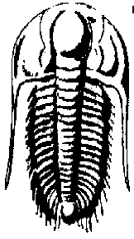
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
247.00	MCW w/oil spots 71%w , 20%m, 2%o,	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

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

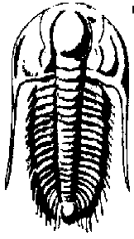
Drill Pipe:	Length: 3232.00 ft	Diameter: 3.80 inches	Volume: 45.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 78000.00 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
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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
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 6.78 in³
Resistivity: ohm.m
Salinity: 700.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34.4 deg API
Water Salinity: 32000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
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

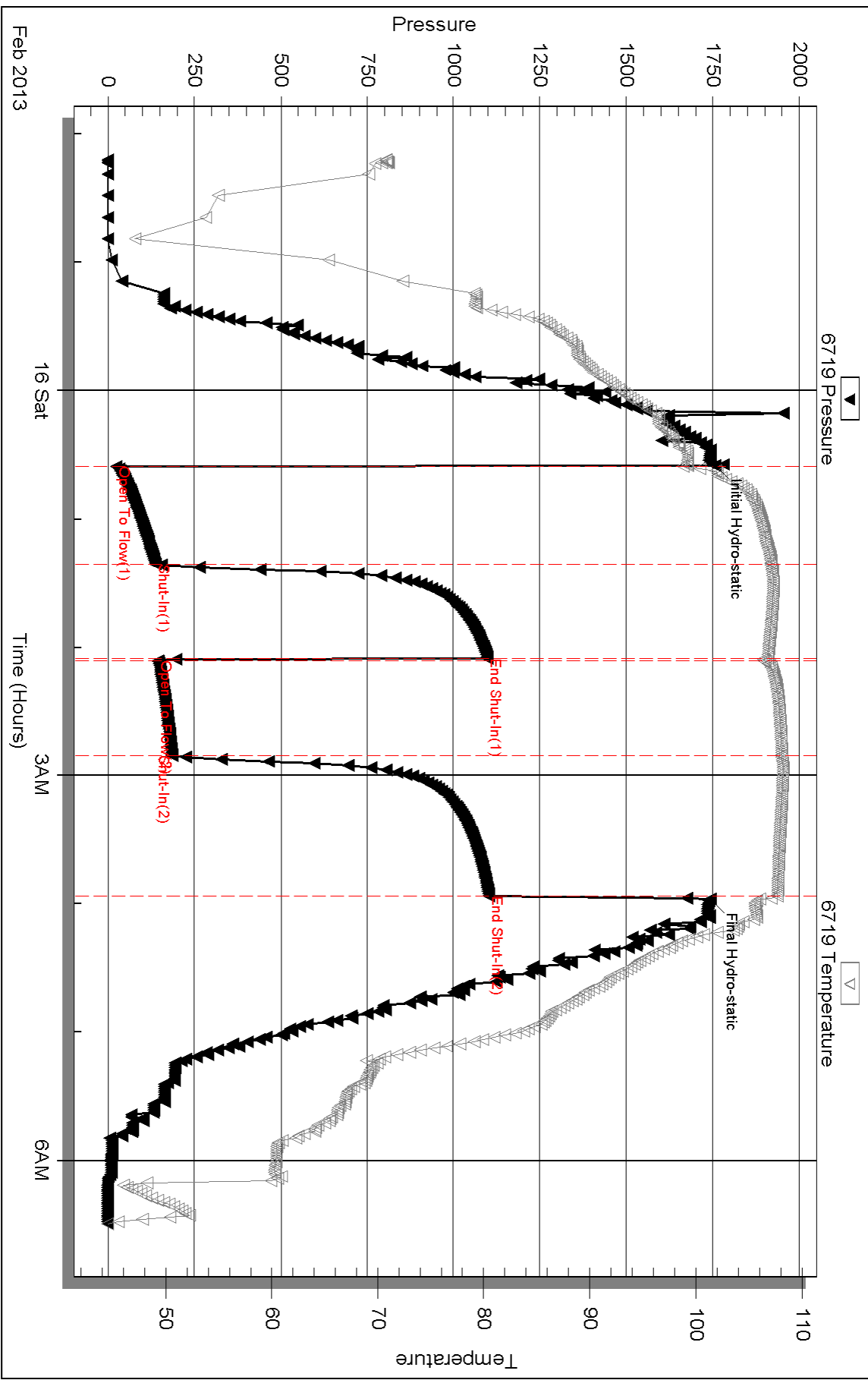
Total Length: 387.00 ft Total Volume: 2.605 bbl

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

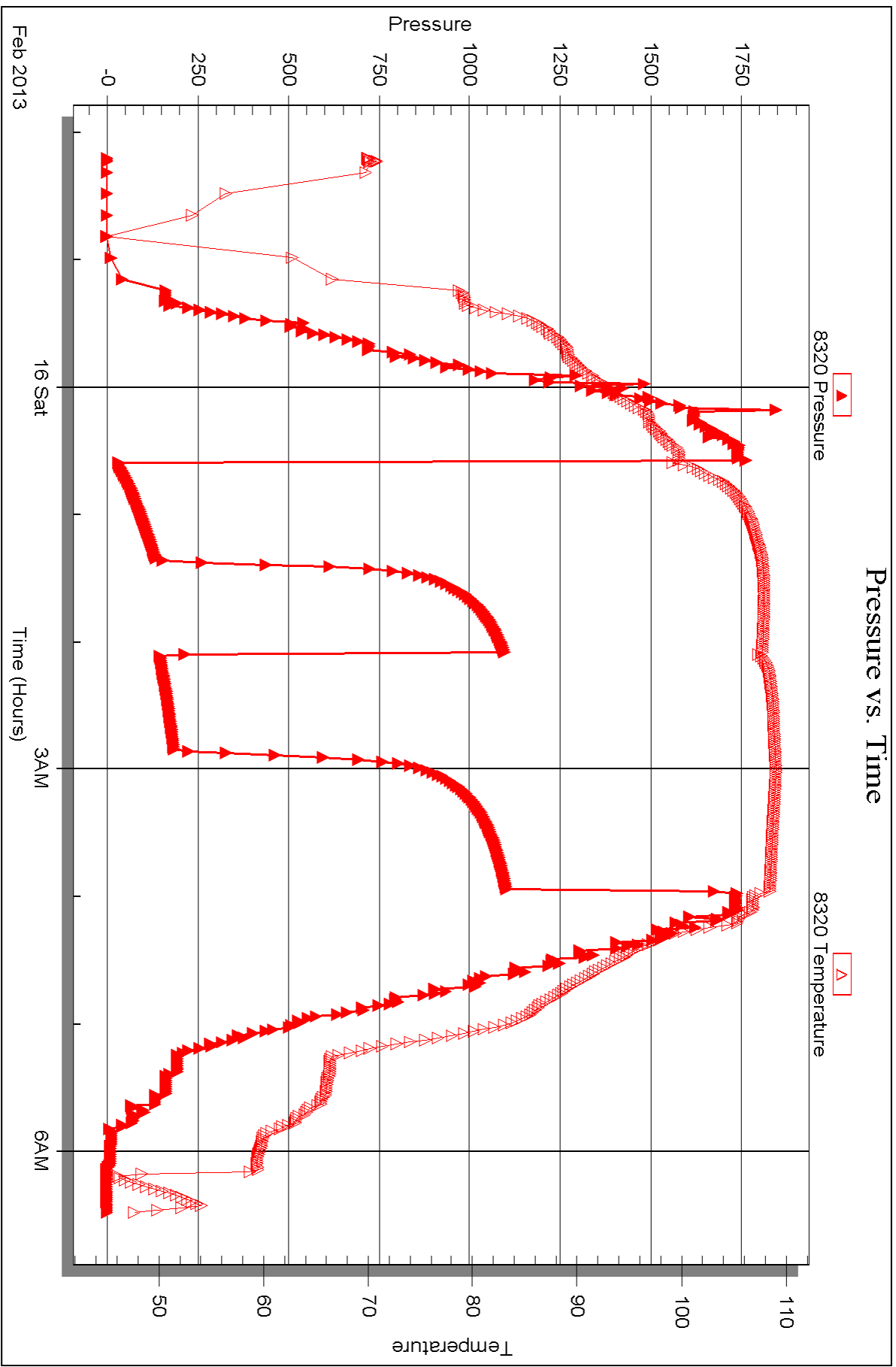


Serial #: 8320

Outside Hartman Oil Co., Inc.

Legere Trust #1-29

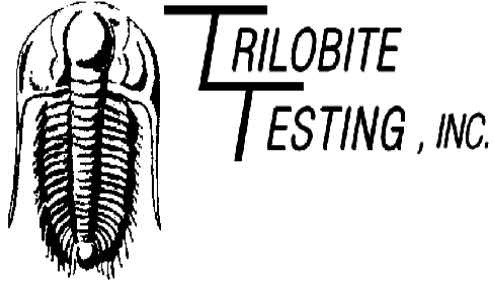
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50556

Printed: 2013.02.27 @ 11:06:43



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

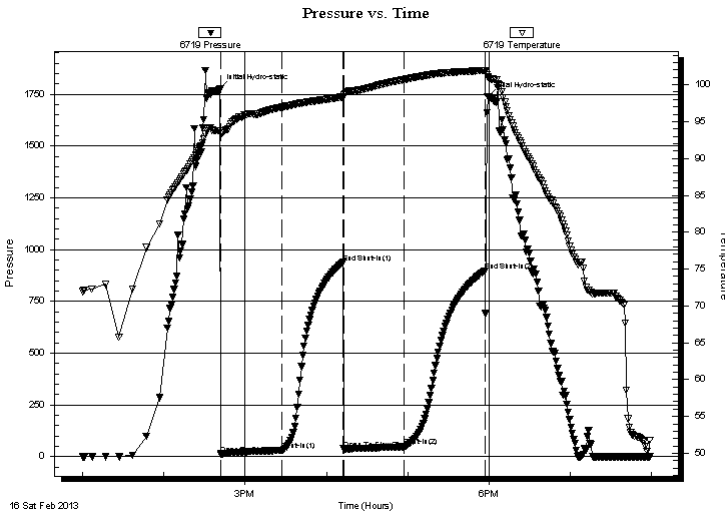
GENERAL INFORMATION:

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% _m , 32% _w , 4% _o , 1% _g	0.30
10.00	WOCM 65% _m , 24% _o , 10% _w , 1% _g	0.05
10.00	CO 90% _o , 5% _g , 5% _m	0.05

* 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

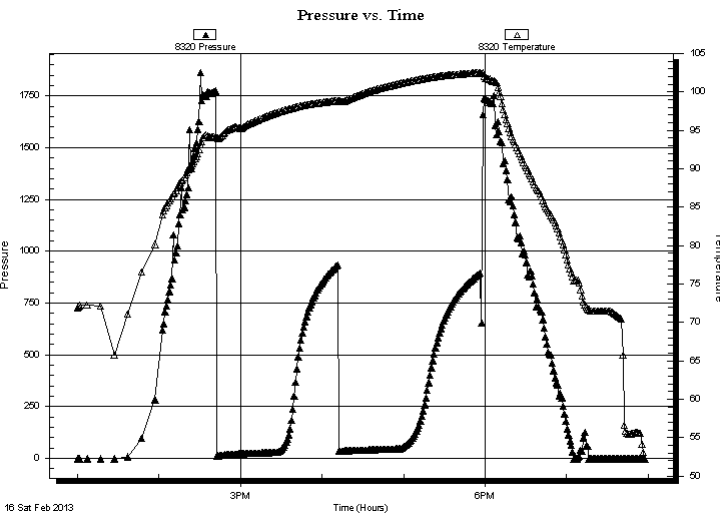
29-5s-22w Norton, KS
Legere Trust #1-29
 Job Ticket: 50557 **DST#: 2**
 Test Start: 2013.02.16 @ 13:00:00

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 #: 8320 Outside
 Press @ RunDepth: 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: 19:57:59 Time On Btm:
 Time Off Btm:

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

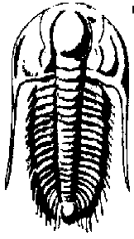
Recovery

Length (ft)	Description	Volume (bbl)
62.00	SO/WCM 63% _m , 32% _w , 4% _o , 1% _g	0.30
10.00	WOCM 65% _m , 24% _o , 10% _w , 1% _g	0.05
10.00	CO 90% _o , 5% _g , 5% _m	0.05

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., 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

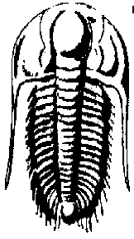
Tool Information

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
Total Tool Length:	35.00				



**TRILOBITE
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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 in³

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 #:

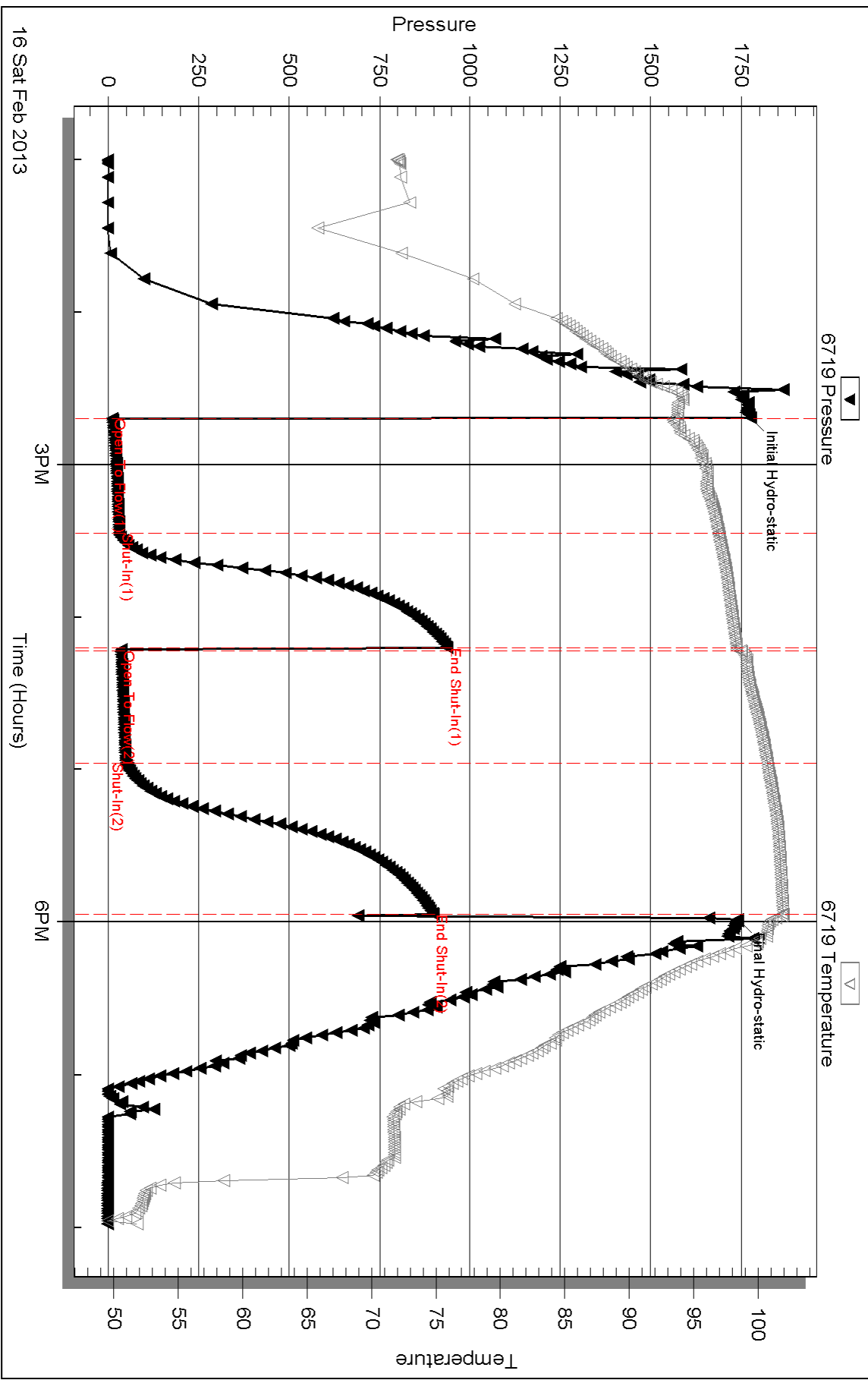
Laboratory Name:

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

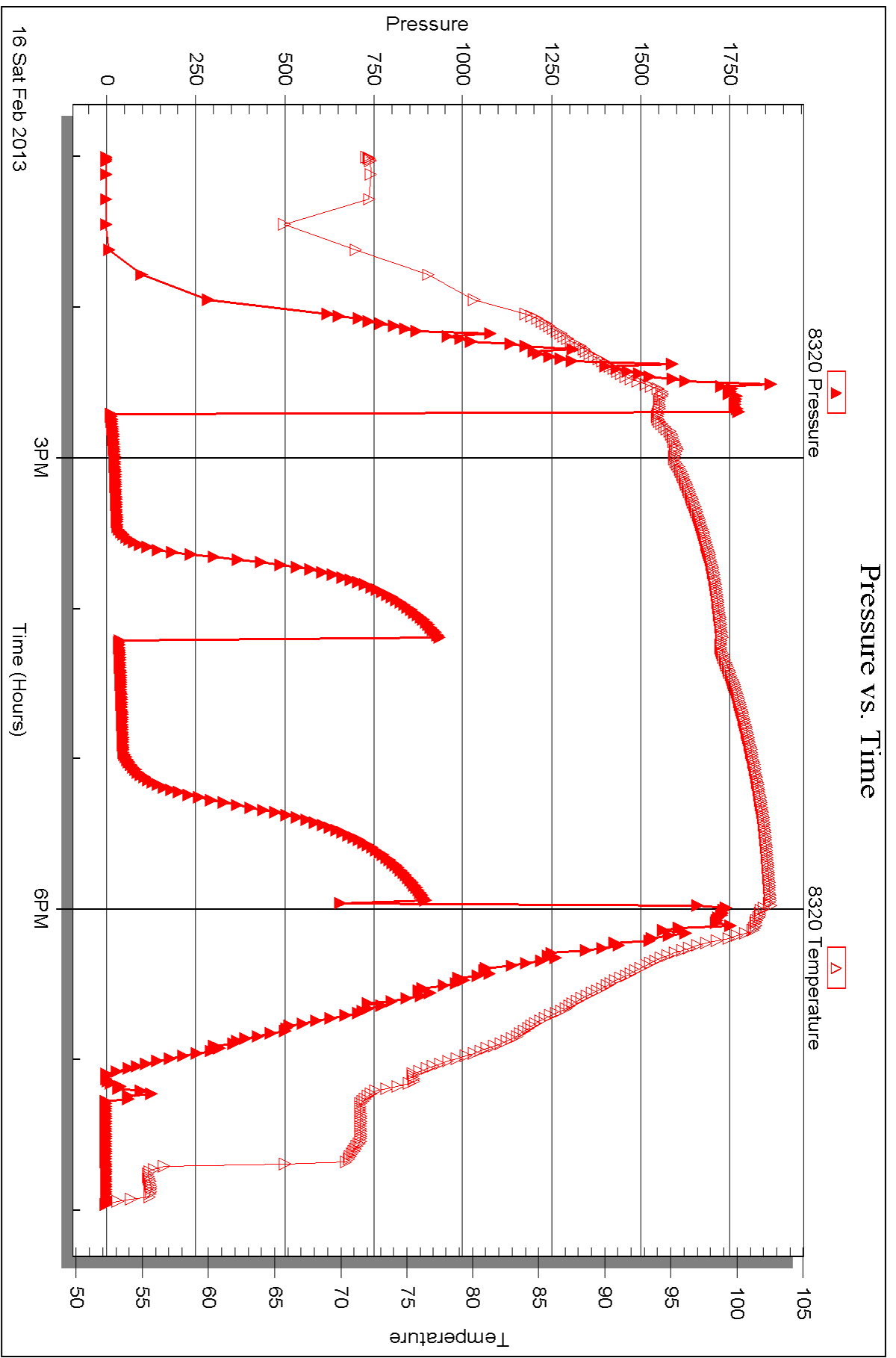


Serial #: 8320

Outside Hartman Oil Co., Inc.

Legere Trust #1-29

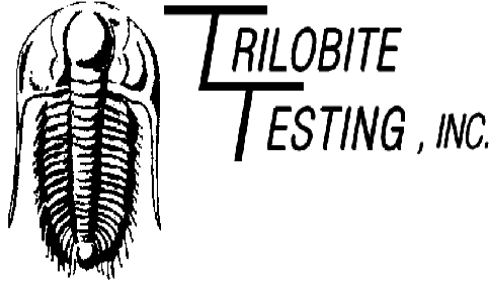
DST Test Number: 2



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.

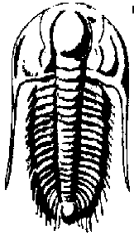
29-5s-22w Norton,KS

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

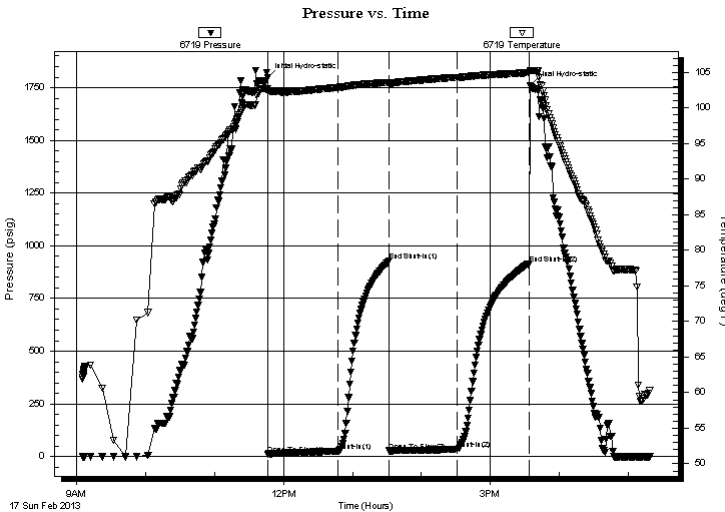
Serial #: 6719

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

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

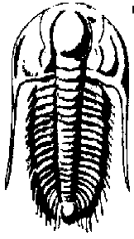
Tool Information

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
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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
Total Tool Length:	50.00				



**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: 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 in³

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

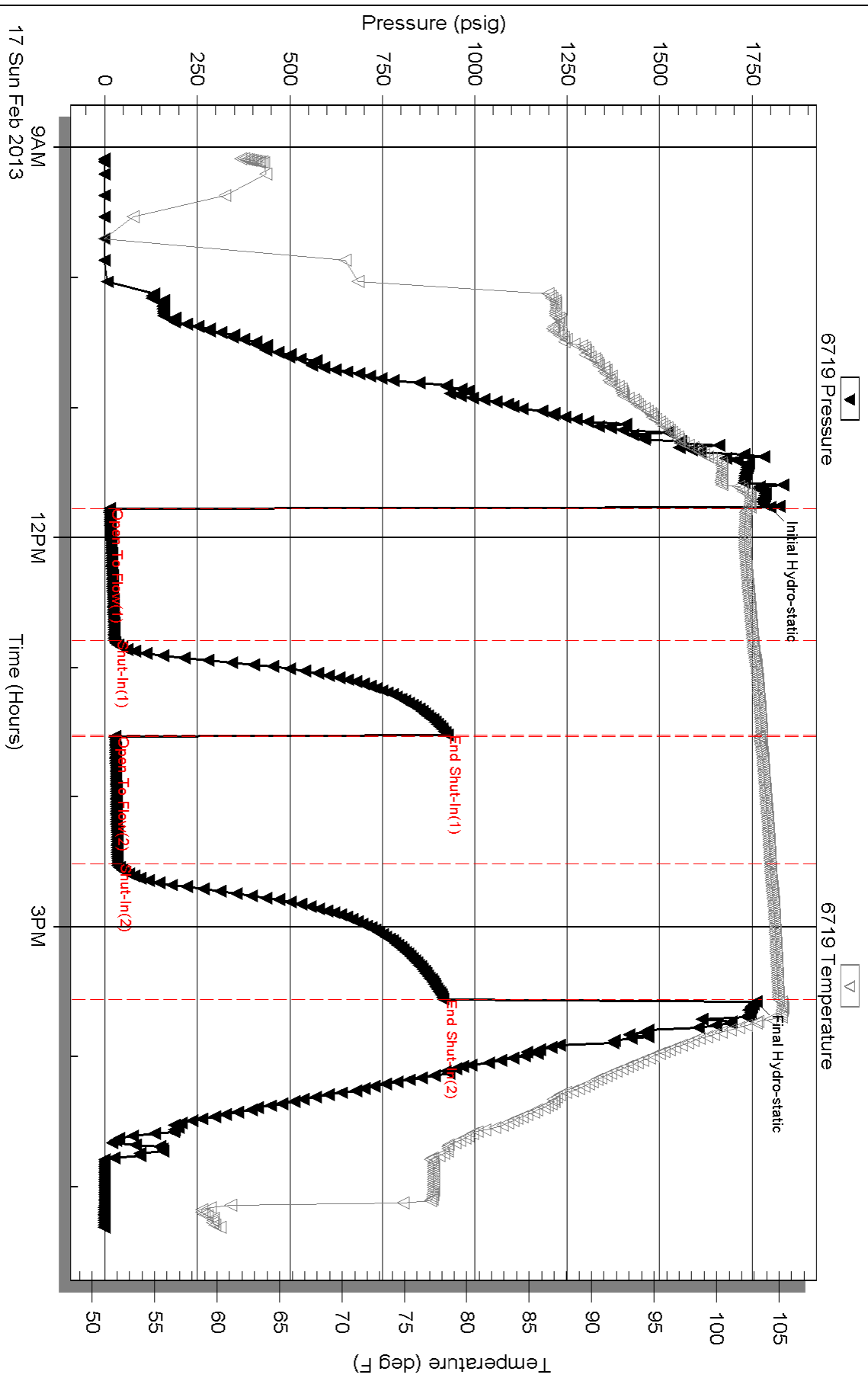
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

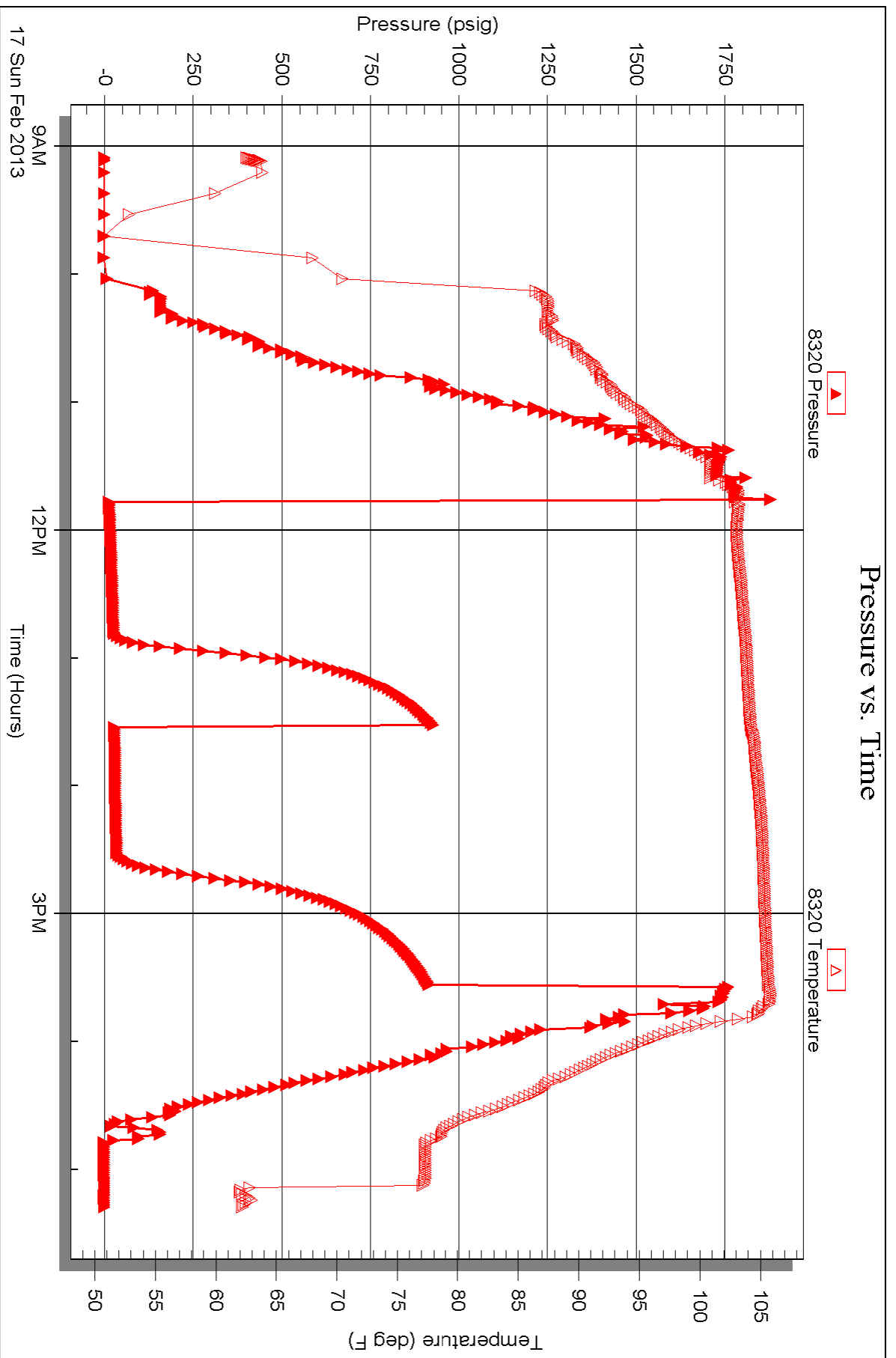


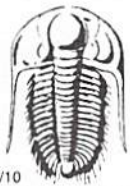
Serial #: 8320

Outside Hartman Oil Co., Inc.

Legere Trust #1-29

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50556

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

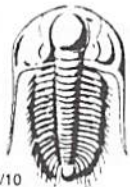
Blow Description IF: Blow built to BOB (11") in 18 1/2 min. (Diesel in bucket)
FSI: Bled off, Blowback built to just under 1"
FF: Blow built to BOB in 22 min.
FSI: Bled off, Blowback built to 3 1/2"

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

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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
 Initial Open 60
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60
 Sub Total 0
 Total 1345.50
 MP/DST Disc't
 Sub Total 1345.50

Approved By Kit Noah Our Representative James Winder

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