



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1077526
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: _____

1077526

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 <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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	DAMME 46
Doc ID	1077526

All Electric Logs Run

Sonic Bond Log
Microlog
Triple Combo
Spectral Density Dual Spaced Neutron
Array COmpensated Resistivity

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	DAMME 46
Doc ID	1077526

Tops

Name	Top	Datum
Heebner	3798	-902
Lansing	3840	-944
B/KC	4312	-1416
Marmanton	4335	-1439
Pawnee	4410	-1514
Ft. Scott	4444	-1548
Cherokee	4456	-1560
Morrow Shale	4642	-1746
Morrow Sand	4696	-1800
Mississippi	4747	-1851

ALLIED CEMENTING CO., LLC. 035359

Federal Tax I.D.# 20-5975804

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Dalley/KS

DATE <i>3/14/12</i>	SEC <i>28</i>	TWP <i>22</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00pm</i>	JOB FINISH <i>1:00pm</i>
LEASE <i>Danone</i>	WELL# <i>46</i>	LOCATION <i>Circle City N70 Barlow, 2W</i>			COUNTY <i>Franklin</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)		<i>15 1W 14S WINDO</i>					

CONTRACTOR *H2 #1*
 TYPE OF JOB *Production*
 HOLE SIZE *7 1/8* T.D.
 CASING SIZE *5 1/2 15 1/2* DEPTH *4853*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *15.85*
 CEMENT LEFT IN CSG. *15.85*
 PERFS.
 DISPLACEMENT

EQUIPMENT
 PUMP TRUCK CEMENTER *Alan*
 # *422* HELPER *Wayne*
 BULK TRUCK
 # *1386* DRIVER *Chris*
 BULK TRUCK
 # DRIVER

OWNER *Same*
 CEMENT
 AMOUNT ORDERED *175 SK, L70 5# Gilsonite*
1/4 Flo Seal, 175 SKs com 1090 salt
 COMMON *175* @ *16.25* *2843.75*
 POZMIX @
 GEL *3* @ *21.25* *63.75*
 CHLORIDE @
 ASC @
 ALW *175 SK* @ *14.50* *2537.50*
 Flo Seal *4416* @ *2.70* *118.80*
 Gilsonite *875 lb* @ *2.89* *2538.75*
 SALT *16 SK* @ *23.25* *383.20*
 HANDLING *401 SK* @ *2.25* *902.25*
 MILEAGE *114 SK/mile* @ *3.087* *3507.70*
 TOTAL *12715.70*

REMARKS:

*2 Can Circled Mix 20SKs RH 20SKs MH. Mix 125
 ALW 1/4 Flo Seal 5# Gilsonite Danone 5# com, Tail 175 SK
 com 1090 salt 20 gal. Wash up. Displace float
 Total ch Danone w/ 1152 gal the 0 w/ 1500
 PSE Lift Land Plug @ 2200 PSE
 Float hold*

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE *2405.00*
 EXTRA FOOTAGE @
 MILEAGE *20* @ *7.00* *140.00*
 MANIFOLD *Head* @ *200.00*
20 @ *4.00* *280.00*

CHARGE TO: *Hartman Oil*
 STREET
 CITY STATE ZIP

TOTAL *3375.00*

PLUG & FLOAT EQUIPMENT

AFU Float shoe *-1* @ *349.00* *349.00*
 Catch Down Assembly *-1* @ *277.00* *277.00*
 Baskets *27* @ *337.00* *624.00*
 Controllers *-10* @ *49.00* *490.00*

TOTAL *1790.00*

To Allied Cementing Co., 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.

SALES TAX (if Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME
 SIGNATURE *José Carlos Fabela*

ALLIED CEMENTING CO., LLC. 034599

Federal Tax I.D.# 20-5975804

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Dakley, ks

DATE <u>3-5-12</u>	SEC <u>28</u>	TWP <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>4:30pm</u>	JOB START <u>1:00am</u>	JOB FINISH <u>2:15am</u>
LEASE <u>Damme</u>	WELL # <u>46</u>	LOCATION <u>Tennis 25, 2W, 15, 1W</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>Yes Winto</u>			

CONTRACTOR Hd Rig #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1853'
 CASING SIZE 8 7/8 DEPTH 1848.24
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.02
 CEMENT LEFT IN CSG. 42.02
 PERFS.
 DISPLACEMENT 115.06 bbl
 EQUIPMENT

OWNER same

CEMENT
 AMOUNT ORDERED 650 sks Typel Lite 4 y#
Flo seal 370cc, 150 sks Com 32cc

PUMP TRUCK CEMENTER Lakene
 # 431 HELPER Dave
 BULK TRUCK
 # 394/287 DRIVER Chris
 BULK TRUCK
 # 373/308 DRIVER Brandon

COMMON	<u>150 sks</u>	@	<u>16.23</u>	<u>2437.50</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>26 sks</u>	@	<u>58.20</u>	<u>1513.20</u>
ASC		@		
ALCA Lite (Typel)	<u>650 sks</u>	@	<u>15.00</u>	<u>9750.00</u>
		@		
	<u>Flo seal 163#</u>	@	<u>2.70</u>	<u>446.10</u>
		@		
	<u>4 hrs wait time</u>	@	<u>300.00</u>	<u>NC</u>
		@		
		@		
HANDLING	<u>867 sks</u>	@	<u>2.25</u>	<u>1950.75</u>
MILEAGE	<u>114.54 mile</u>			<u>7152.75</u>

TOTAL 23244.30

REMARKS:

pump ball through with rig pump.
mix 650 sks lite down casing
mix 150 sks com down casing
Displace with water.
Land plug. ~~at 1900'~~ 1900'
Cement did circulate
Thank you.

SERVICE

DEPTH OF JOB	<u>1848.24</u>			
PUMP TRUCK CHARGE				<u>1925.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>75</u>	@	<u>2.00</u>	<u>325.00</u>
MANIFOLD head		@		<u>300.00</u>
L.U. mileage	<u>75</u>	@	<u>4.00</u>	<u>300.00</u>
		@		

TOTAL 2950.00

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

PLUG & FLOAT EQUIPMENT

(2R) 1-Top Rubber plug	@		<u>112.00</u>
(1) 1-guide shoe	@		<u>396.00</u>
(3) 3-Centralizers	@	<u>64.00</u>	<u>192.00</u>
(2) 2-Baskets	@	<u>478.00</u>	<u>956.00</u>
(1) 1-APU Insert	@		<u>382.00</u>

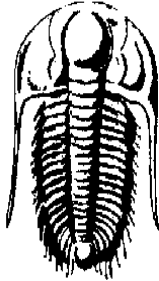
TOTAL 2036.00

To Allied Cementing Co., 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.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Ismael M. DeLu Garza

SIGNATURE Ismael M. DeLu Garza



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206

ATTN: Kitt Noah

Damme #46

S28-22s-33w Finney, KS

Start Date: 2012.03.12 @ 00:07:00

End Date: 2012.03.12 @ 09:29:49

Job Ticket #: 45090 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.15 @ 13:21:16

Hartman Oil Co., Inc.
S28-22s-33w Finney, KS
Damme #46
DST # 1
Morrow Sand
2012.03.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

S28-22s-33w Finney, KS

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

Damme #46

Job Ticket: 45090

DST#: 1

Test Start: 2012.03.12 @ 00:07:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:38:00

Time Test Ended: 09:29:49

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 37

Interval: 4643.00 ft (KB) To 4728.00 ft (KB) (TVD)

Reference Elevations: 2896.00 ft (KB)

Total Depth: 4728.00 ft (KB) (TVD)

2886.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 71.39 psig @ 4647.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.12

End Date:

2012.03.12

Last Calib.:

2012.03.12

Start Time: 00:07:02

End Time:

09:29:49

Time On Btm:

2012.03.12 @ 04:35:30

Time Off Btm:

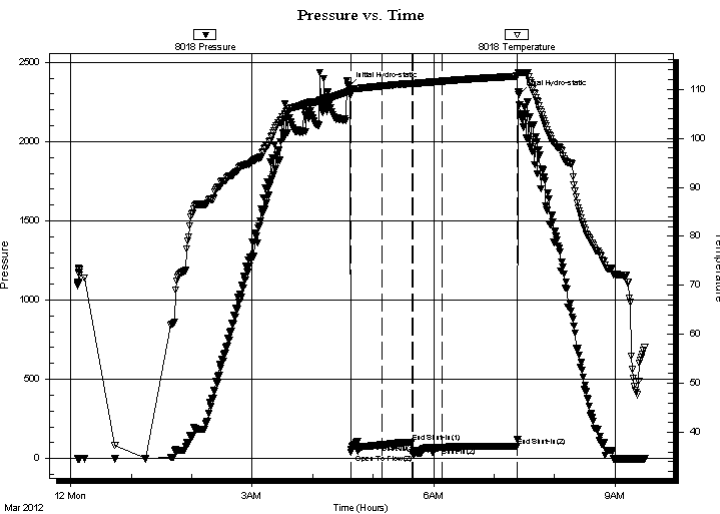
2012.03.12 @ 07:24:20

TEST COMMENT: Surface blow died @ 15 min.

No return.

No blow.

No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2346.77	109.52	Initial Hydro-static
3	39.27	109.00	Open To Flow (1)
33	87.45	110.64	Shut-In(1)
63	102.61	111.18	End Shut-In(1)
64	28.17	111.13	Open To Flow (2)
93	71.39	111.64	Shut-In(2)
168	78.16	112.66	End Shut-In(2)
169	2298.21	113.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	M100m	0.22

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hartman Oil Co., Inc.
 10500 E. Berkeley Sq.
 Suite 100
 Wichita, KS 67206
 ATTN: Kitt Noah

S28-22s-33w Finney, KS

Damme #46

Job Ticket: 45090 **DST#: 1**

Test Start: 2012.03.12 @ 00:07:00

GENERAL INFORMATION:

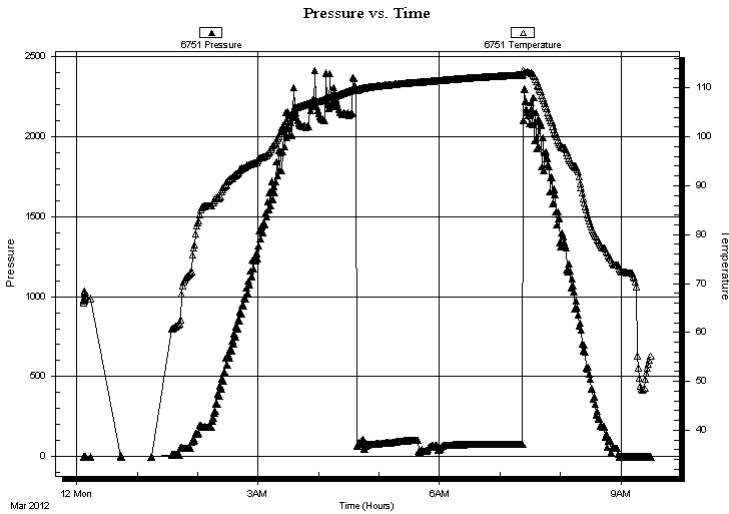
Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:38:00
 Time Test Ended: 09:29:49
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 37
 Interval: **4643.00 ft (KB) To 4728.00 ft (KB) (TVD)**
 Total Depth: 4728.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Reference Elevations: 2896.00 ft (KB)
 2886.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press @ Run Depth: psig @	4647.00 ft (KB)	Capacity:	8000.00 psig
Start Date: 2012.03.12	End Date: 2012.03.12	Last Calib.:	2012.03.12
Start Time: 00:07:02	End Time: 09:29:49	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: Surface blow died @ 15 min.
 No return.
 No blow.
 No return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	M 100m	0.22

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co., Inc.

S28-22s-33w Finney, KS

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

Damme #46

Job Ticket: 45090

DST#: 1

Test Start: 2012.03.12 @ 00:07:00

Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 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: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.50 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4643.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	112.50 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			4616.50	
Shut In Tool	5.00			4621.50	
Hydraulic tool	5.00			4626.50	
Jars	5.00			4631.50	
Safety Joint	2.50			4634.00	
Packer	5.00			4639.00	27.50 Bottom Of Top Packer
Packer	4.00			4643.00	
Stubb	1.00			4644.00	
Perforations	3.00			4647.00	
Recorder	0.00	8018	Inside	4647.00	
Recorder	0.00	6751	Outside	4647.00	
Perforations	14.00			4661.00	
Change Over Sub	1.00			4662.00	
Drill Pipe	62.00			4724.00	
Change Over Sub	1.00			4725.00	
Bullnose	3.00			4728.00	85.00 Bottom Packers & Anchor
Total Tool Length:	112.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co., Inc.

S28-22s-33w Finney, KS

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

Damme #46

Job Ticket: 45090

DST#: 1

Test Start: 2012.03.12 @ 00:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	M 100m	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:

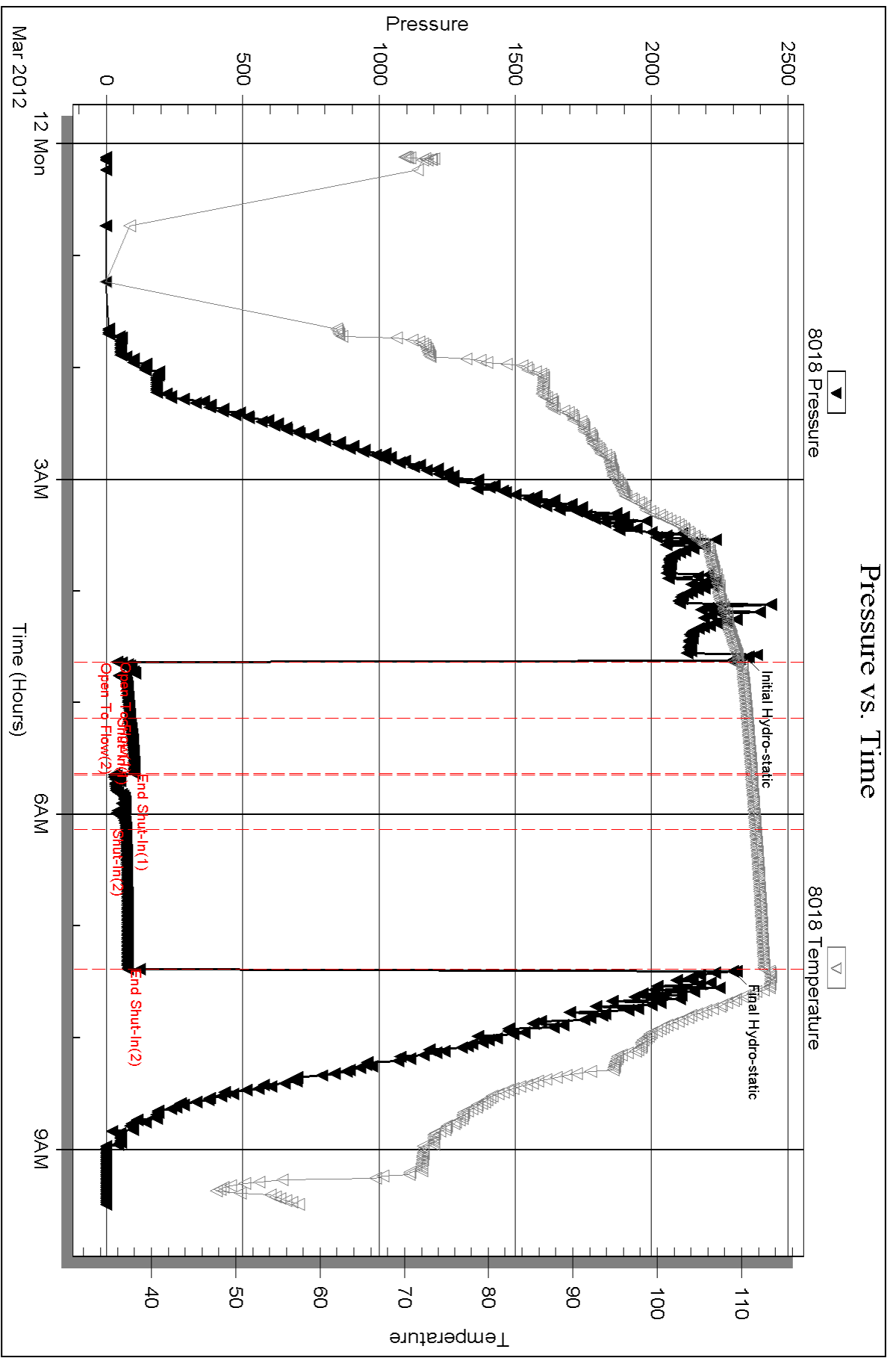
Serial #: 8018

Inside

Hartman Oil Co., Inc.

Damme #46

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45090

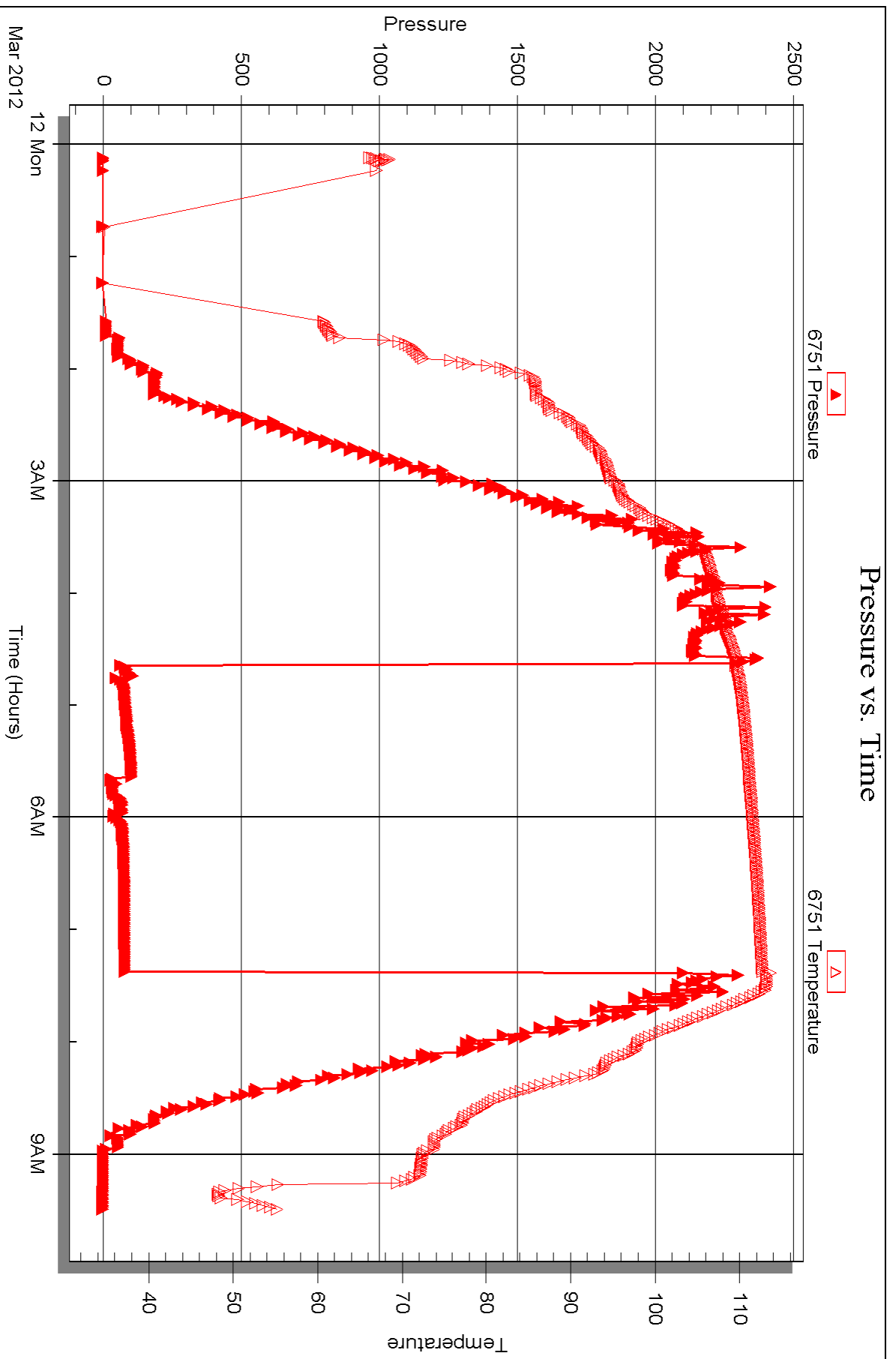
Printed: 2012.03.15 @ 13:21:25

Serial #: 6751

Outside Hartman Oil Co., Inc.

Damme #46

DST Test Number: 1





DRILL STEM TEST REPORT

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

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206

ATTN: Kitt Noah

Damme #46

S28-22s-33w Finney, KS

Start Date: 2012.03.12 @ 18:05:00

End Date: 2012.03.13 @ 02:44:40

Job Ticket #: 45091 DST #: 2

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

Printed: 2012.03.15 @ 13:20:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

S28-22s-33w Finney, KS

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

Damme #46

Job Ticket: 45091

DST#: 2

Test Start: 2012.03.12 @ 18:05:00

GENERAL INFORMATION:

Formation: **St. Genevieve - St.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:41:10

Time Test Ended: 02:44:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 4718.00 ft (KB) To 4758.00 ft (KB) (TVD)

Reference Elevations: 2896.00 ft (KB)

Total Depth: 4758.00 ft (KB) (TVD)

2886.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 148.59 psig @ 4752.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.12

End Date:

2012.03.13

Last Calib.: 2012.03.13

Start Time: 18:05:02

End Time:

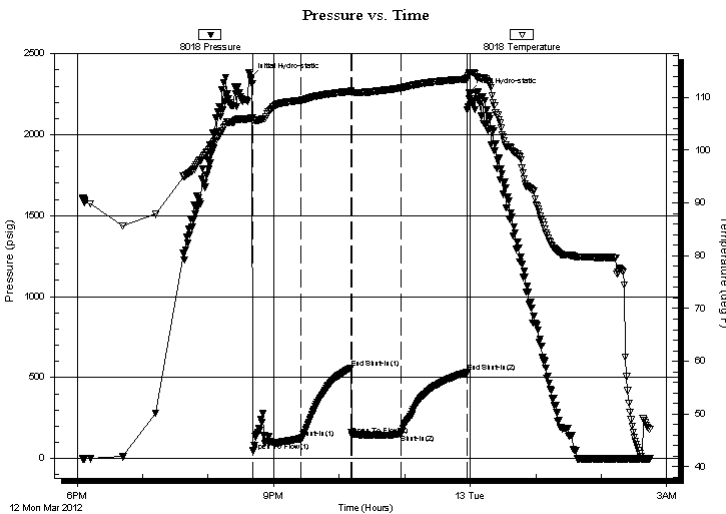
02:44:40

Time On Btm: 2012.03.12 @ 20:38:50

Time Off Btm: 2012.03.12 @ 23:58:39

TEST COMMENT: B.O.B. @ 14 min.
3" Return.
B.O.B. @ 13 min.
B.O.B. @ 45 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.45	106.06	Initial Hydro-static
3	47.82	105.68	Open To Flow (1)
46	123.78	109.45	Shut-In(1)
92	560.03	111.17	End Shut-In(1)
93	145.59	110.93	Open To Flow (2)
138	148.59	111.77	Shut-In(2)
199	531.39	113.48	End Shut-In(2)
200	2257.21	114.59	Final Hydro-static

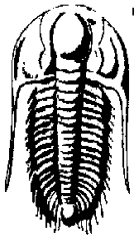
Recovery

Length (ft)	Description	Volume (bbl)
93.00	GOCM 30g 20o 50m	0.46
93.00	GMCO 50g 15m 35o	0.46
186.00	GO 15g 85o	0.91
30.00	GO 50g 50o	0.42
0.00	435 Feet GIP	0.00

* 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. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

S28-22s-33w Finney, KS

Damme #46

Job Ticket: 45091

DST#: 2

Test Start: 2012.03.12 @ 18:05:00

GENERAL INFORMATION:

Formation: **St. Genevieve - St.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:41:10

Time Test Ended: 02:44:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 4718.00 ft (KB) To 4758.00 ft (KB) (TVD)

Total Depth: 4758.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2896.00 ft (KB)

2886.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press @ Run Depth: psig @ 4752.00 ft (KB)

Start Date: 2012.03.12

End Date:

2012.03.13

Start Time: 18:05:02

End Time:

02:44:40

Capacity: 8000.00 psig

Last Calib.:

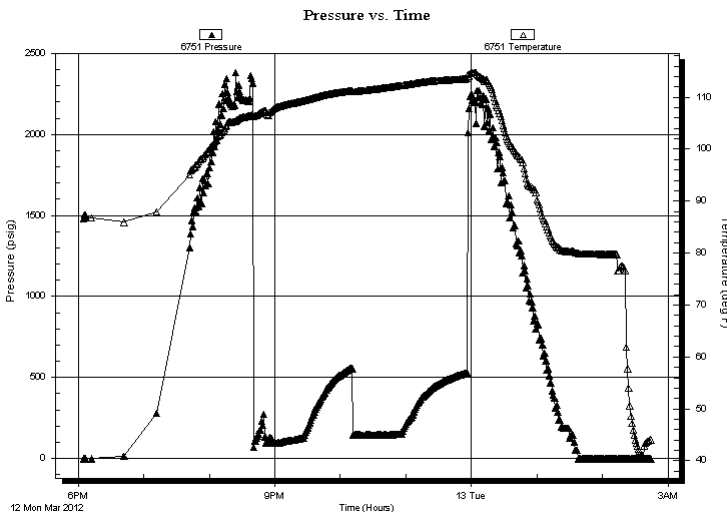
2012.03.13

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. @ 14 min.
3" Return.
B.O.B. @ 13 min.
B.O.B. @ 45 min.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
93.00	GOCM 30g 20o 50m	0.46
93.00	GMCO 50g 15m 35o	0.46
186.00	GO 15g 85o	0.91
30.00	GO 50g 50o	0.42
0.00	435 Feet GIP	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., Inc.

S28-22s-33w Finney, KS

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

Damme #46

Job Ticket: 45091

DST#: 2

Test Start: 2012.03.12 @ 18:05:00

Tool Information

Drill Pipe:	Length: 4334.00 ft	Diameter: 3.80 inches	Volume: 60.79 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: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 62.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4718.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.50 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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Change Over Sub	1.00			4691.50	
Shut In Tool	5.00			4696.50	
Hydraulic tool	5.00			4701.50	
Jars	5.00			4706.50	
Safety Joint	2.50			4709.00	
Packer	5.00			4714.00	27.50 Bottom Of Top Packer
Packer	4.00			4718.00	
Stubb	1.00			4719.00	
Perforations	33.00			4752.00	
Recorder	0.00	8018	Inside	4752.00	
Recorder	0.00	6751	Outside	4752.00	
Perforations	3.00			4755.00	
Bullnose	3.00			4758.00	40.00 Bottom Packers & Anchor

Total Tool Length: 67.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co., Inc.

S28-22s-33w Finney, KS

10500 E. Berkeley Sq.
Suite 100
Wichita, KS 67206
ATTN: Kitt Noah

Damme #46

Job Ticket: 45091

DST#: 2

Test Start: 2012.03.12 @ 18:05:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 2100.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 31 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	GOCM 30g 20o 50m	0.457
93.00	GMCO 50g 15m 35o	0.457
186.00	GO 15g 85o	0.915
30.00	GO 50g 50o	0.421
0.00	435 Feet GIP	0.000

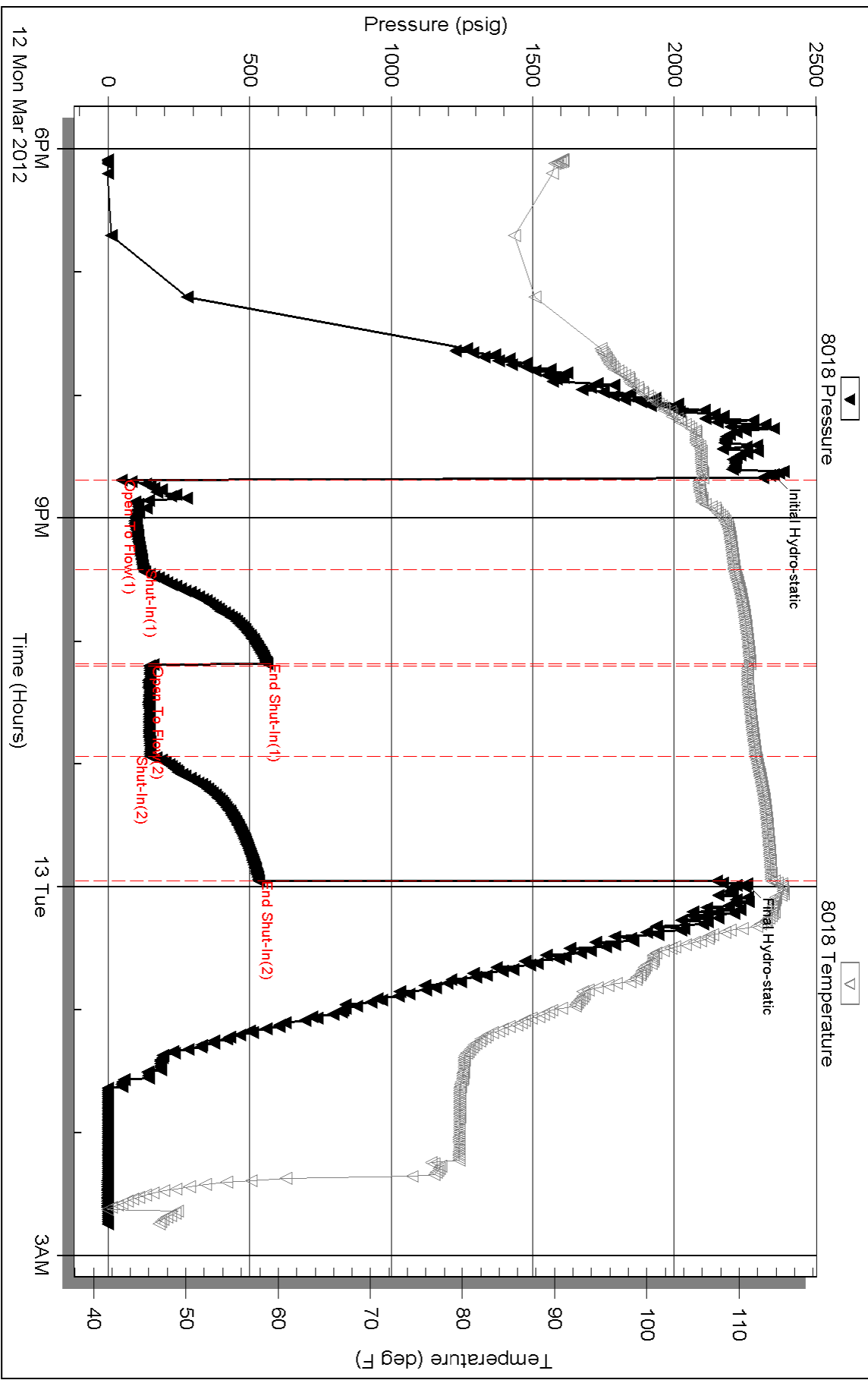
Total Length: 402.00 ft Total Volume: 2.250 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 31 @ 60 Degrees F = 31 .

Pressure vs. Time

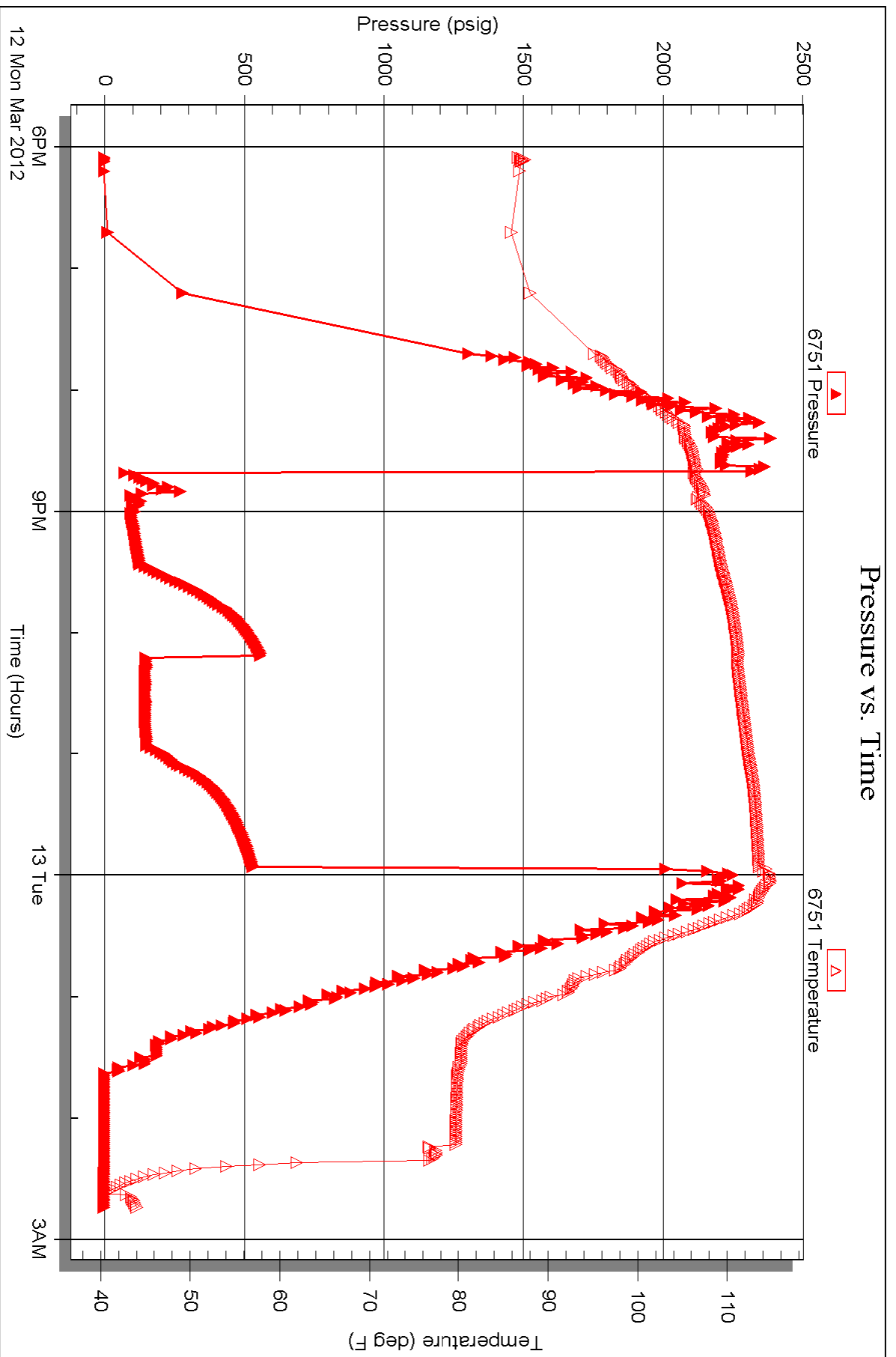


Serial #: 6751

Outside Hartman Oil Co., Inc.

Damme #46

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 15 2012

Test Ticket

NO. 45090

BY: _____

Well Name & No. Damme* 46 Test No. 1 Date 3-11-12
 Company Hartman Oil Co. Elevation 2896 KB 2886 GL
 Address 10500 E. Berkeley Sq. Ste. 100 Wichita, KS 67206
 Co. Rep / Geo. Kitt Noah Rig H2#1
 Location: Sec. 28 Twp. 22s Rge. 33w Co. Finney State KS

Interval Tested 4643-4728 Zone Tested Morrow Sand
 Anchor Length 85 Drill Pipe Run 4272 Mud Wt. 9.1
 Top Packer Depth 4639 Drill Collars Run 372 Vis 64
 Bottom Packer Depth 4643 Wt. Pipe Run 0 WL 7.2
 Total Depth 4728 Chlorides 1500 ppm System LCM 4

Blow Description Surface blow died @ 15 min
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>45</u>	Feet of <u>M</u>			<u>100</u>	<u>0</u>
Rec _____	Feet of _____			<u>40</u>	<u>0</u>
Rec _____	Feet of _____				
Rec _____	Feet of _____				

Rec Total 45 BHT 113 Gravity — API RW @ _____ °F Chlorides — ppm

(A) Initial Hydrostatic 2347 Test 1225' T-On Location 23:30
 (B) First Initial Flow 39 Jars 250' T-Started 00:07
 (C) First Final Flow 87 Safety Joint 75' T-Open 04:38
 (D) Initial Shut-In 102 Circ Sub NIC T-Pulled 07:23
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 9:30
 (F) Second Final Flow 71 Mileage 63RTx2 176.40 Comments _____
 (G) Final Shut-In 78 Sampler _____
 (H) Final Hydrostatic 2298 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 150
 Final Flow 30 Day Standby _____ Total 1876.40
 Final Shut-In 75 Accessibility 150' MP/DST Disc't _____
 Sub Total 1726.40

Approved By Kitt Noah Our Representative Chuck Amick

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

RECEIVED
MAR 15 2012

Test Ticket

NO. 45091

Well Name & No. Damme #46 BY: _____ Test No. 2 Date 3-12-12
 Company Hartman Oil Co. Elevation 2896 KB 2886 GL _____
 Address 10500 E. Berkeley Sq. Ste. 100 Wichita, KS 67206
 Co. Rep / Geo. Kit Noah Rig H2 #1
 Location: Sec. 28 Twp. 22s Rge. 33w Co. Finney State KS

Interval Tested 4718 - 4758 Zone Tested St. Genevieve - St. Louis C
 Anchor Length 40 Drill Pipe Run 4334 Mud Wt. 9.0
 Top Packer Depth 4714 Drill Collars Run 372 Vis 50
 Bottom Packer Depth 4718 Wt. Pipe Run 0 WL 7.2
 Total Depth 4758 Chlorides 2100 ppm System LCM 4
 Blow Description B.O.B. @ 14 min.
3" Return.
B.O.B. @ 13 min.
B.O.B. @ 45 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>60</u>	<u>50</u>	<u>50</u>		
<u>186</u>	<u>80</u>	<u>15</u>	<u>85</u>		
<u>93</u>	<u>GM60</u>	<u>50</u>	<u>35</u>		<u>15</u>
<u>93</u>	<u>GOCM</u>	<u>30</u>	<u>20</u>		<u>50</u>
Rec	Feet of <u>435' GIP</u>	%gas	%oil	%water	%mud

Rec Total 402 BHT 114 Gravity 31 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2350 Test 1225" T-On Location 18:00
 (B) First Initial Flow 48 Jars 250" T-Started 18:05
 (C) First Final Flow 124 Safety Joint 75" T-Open 20:41
 (D) Initial Shut-In 560 Circ Sub N/C T-Pulled 23:57
 (E) Second Initial Flow 146 Hourly Standby _____ T-Out 2:45
 (F) Second Final Flow 149 Mileage 63 RT 88.20 Comments _____
 (G) Final Shut-In 531 Sampler _____
 (H) Final Hydrostatic 2257 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320"
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 470"
 Initial Shut-In 45 Day Standby _____ Total 2108.20
 Final Flow 45 Accessibility 190" MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1638.20

Approved By Kit Noah

Our Representative Chuck Smith

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.

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 22, 2012

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

Re: ACO1
API 15-055-22126-00-00
DAMME 46
NE/4 Sec.28-22S-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