



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1132458
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: _____



1132458

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	Doris Green 5
Doc ID	1132458

Tops

Name	Top	Datum
Heebner	3770	-852
Toronto	3778	-870
Lansing	3817	-899
Stark	4144	-1226
B/KC	4276	-1358
Marmaton	4298	-1380
Pawnee	4372	-1454
Cherokee	4412	-1494
Mississippi	4610	-1692
LTD	4792	-1874



DRILL STEM TEST REPORT

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

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

ATTN: Kitt Noah

Doris Green #5

S19-21s-33w Finney, KS

Start Date: 2013.03.31 @ 12:50:00

End Date: 2013.03.31 @ 21:23:10

Job Ticket #: 48499 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.08 @ 14:15:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

S19-21s-33w Finney, KS

Doris Green #5

Job Ticket: 48499 **DST#: 1**

Test Start: 2013.03.31 @ 12:50:00

GENERAL INFORMATION:

Formation: **LKC 'K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:45:20
 Time Test Ended: 21:23:10
 Interval: **4046.00 ft (KB) To 4090.00 ft (KB) (TVD)**
 Total Depth: 4090.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2918.00 ft (KB)
 2908.00 ft (CF)
 KB to GR/CF: 10.00 ft

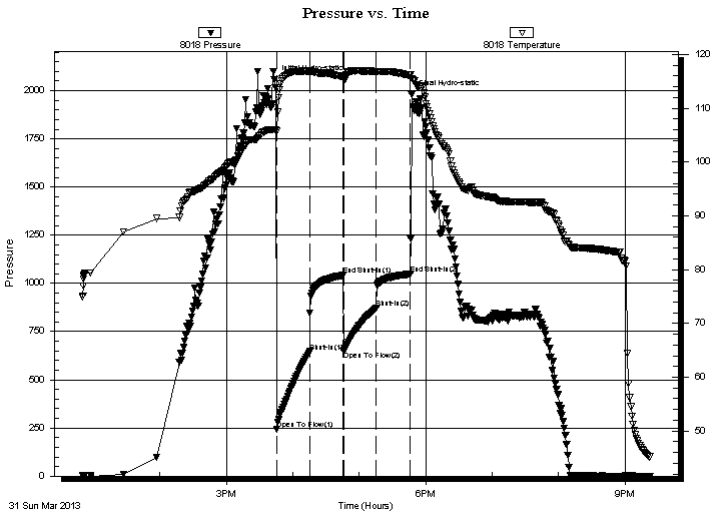
Serial #: 8018

Inside

Press @ Run Depth: 872.05 psig @ 4047.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.31 End Date: 2013.03.31 Last Calib.: 2013.03.31
 Start Time: 12:50:02 End Time: 21:23:10 Time On Btm: 2013.03.31 @ 15:43:20
 Time Off Btm: 2013.03.31 @ 17:47:20

TEST COMMENT: B.O.B. @ 2 min.
 No return.
 B.O.B. @ 3min.
 No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.92	105.96	Initial Hydro-static
2	241.99	105.74	Open To Flow (1)
32	645.86	116.92	Shut-In(1)
62	1041.90	115.94	End Shut-In(1)
63	647.39	115.50	Open To Flow (2)
92	872.05	116.85	Shut-In(2)
123	1048.09	116.15	End Shut-In(2)
125	1980.44	115.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: .100 @ 60 Degrees F = 93000 PPM	0.00
120.00	MW 20m 80w	0.59
1616.00	OSW 100w	21.58
62.00	OSW 100w	0.87
62.00	OCMW 3o 40m 57w	0.87
7.00	OCMW 10o 50m 40w	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co. Inc.

S19-21s-33w Finney, KS

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

Doris Green #5

Job Ticket: 48499

DST#: 1

Test Start: 2013.03.31 @ 12:50:00

Tool Information

Drill Pipe:	Length: 3795.00 ft	Diameter: 3.80 inches	Volume: 53.23 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4046.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	71.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

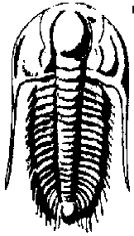
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4019.50	
Shut In Tool	5.00			4024.50	
Hydraulic tool	5.00			4029.50	
Jars	5.00			4034.50	
Safety Joint	2.50			4037.00	
Packer	5.00			4042.00	27.50 Bottom Of Top Packer
Packer	4.00			4046.00	
Stubb	1.00			4047.00	
Recorder	0.00	8018	Inside	4047.00	
Recorder	0.00	6751	Outside	4047.00	
Perforations	7.00			4054.00	
Change Over Sub	1.00			4055.00	
Drill Pipe	31.00			4086.00	
Change Over Sub	1.00			4087.00	
Bullnose	3.00			4090.00	44.00 Bottom Packers & Anchor

Total Tool Length: 71.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

S19-21s-33w Finney, KS

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

Doris Green #5

Job Ticket: 48499

DST#: 1

Test Start: 2013.03.31 @ 12:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 93000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	API: .100 @ 60 Degrees F = 93000 PPM	0.000
120.00	MW 20m 80w	0.590
1616.00	OSW 100w	21.575
62.00	OSW 100w	0.870
62.00	OCMW 3o 40m 57w	0.870
7.00	OCMW 10o 50m 40w	0.098

Total Length: 1867.00 ft Total Volume: 24.003 bbl

Num Fluid Samples: 0

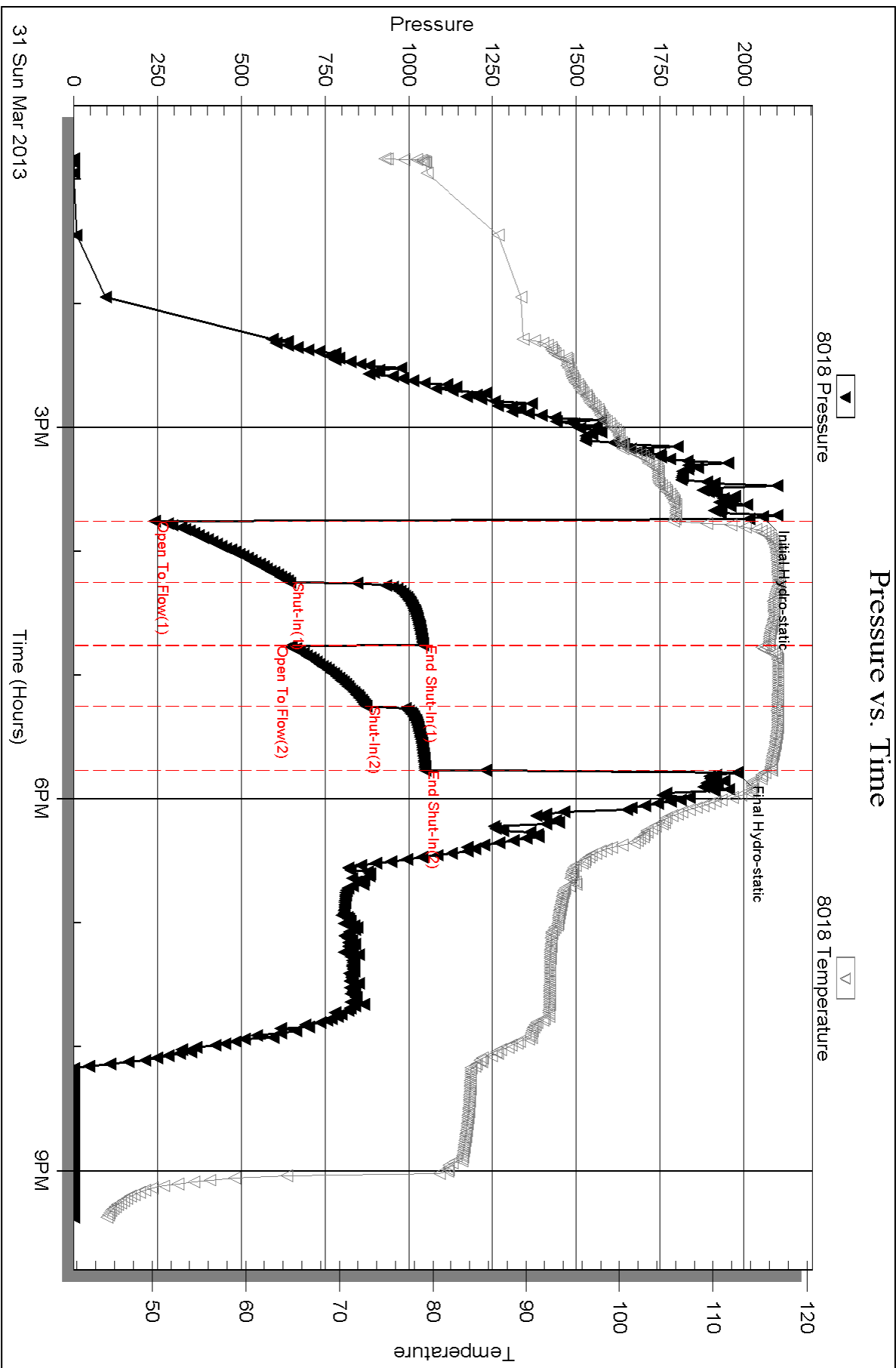
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

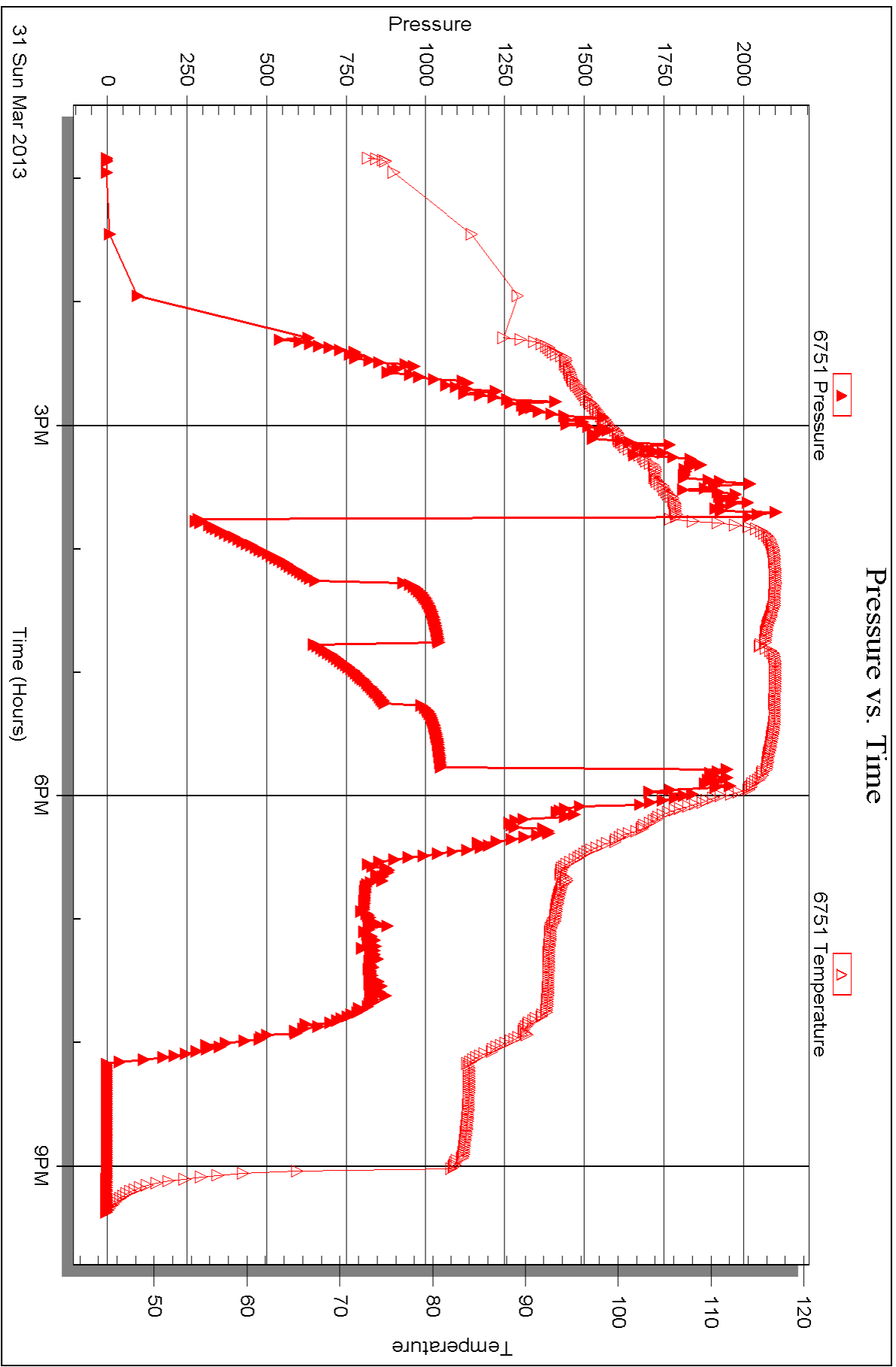


Serial #: 6751

Outside Hartman Oil Co. Inc.

Doris Green #5

DST Test Number: 1





DRILL STEM TEST REPORT

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

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

ATTN: Kitt Noah

Doris Green #5

S19-21s-33w Finney, KS

Start Date: 2013.04.02 @ 15:16:00

End Date: 2013.04.02 @ 22:44:30

Job Ticket #: 48500 DST #: 2

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

Printed: 2013.04.08 @ 14:14:15

Hartman Oil Co. Inc.
S19-21s-33w Finney, KS
Doris Green #5
DST # 2
Pawnee/Ft. Scott
2013.04.02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

S19-21s-33w Finney, KS

Doris Green #5

Job Ticket: 48500

DST#: 2

Test Start: 2013.04.02 @ 15:16:00

GENERAL INFORMATION:

Formation: **Pawnee/Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:41:00
 Time Test Ended: 22:44:30
 Interval: **4369.00 ft (KB) To 4418.00 ft (KB) (TVD)**
 Total Depth: 4418.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2918.00 ft (KB)
 2908.00 ft (CF)
 KB to GR/CF: 10.00 ft

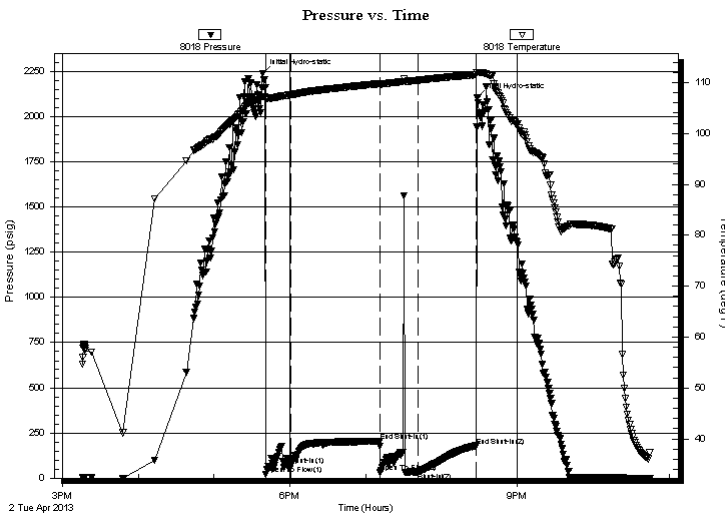
Serial #: 8018

Inside

Press @ RunDepth: 34.39 psig @ 4375.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.02 End Date: 2013.04.02 Last Calib.: 2013.04.02
 Start Time: 15:16:02 End Time: 22:44:30 Time On Btm: 2013.04.02 @ 17:38:40
 Time Off Btm: 2013.04.02 @ 20:28:20

TEST COMMENT: 1/4" Blow .
 No return.
 No blow , flushed tool, surge died.
 No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.92	107.25	Initial Hydro-static
3	22.42	106.56	Open To Flow (1)
22	73.00	107.57	Shut-In(1)
93	202.85	109.76	End Shut-In(1)
93	33.65	109.66	Open To Flow (2)
123	34.39	110.43	Shut-In(2)
169	178.08	111.51	End Shut-In(2)
170	2104.20	111.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 1 to 99m	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.

S19-21s-33w Finney, KS

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

Doris Green #5

Job Ticket: 48500

DST#: 2

Test Start: 2013.04.02 @ 15:16:00

Tool Information

Drill Pipe:	Length: 4109.00 ft	Diameter: 3.80 inches	Volume: 57.64 bbl	Tool Weight:	2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 58.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.50 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4369.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	76.50 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			4342.50	
Shut In Tool	5.00			4347.50	
Hydraulic tool	5.00			4352.50	
Jars	5.00			4357.50	
Safety Joint	2.50			4360.00	
Packer	5.00			4365.00	27.50 Bottom Of Top Packer
Packer	4.00			4369.00	
Stubb	1.00			4370.00	
Perforations	5.00			4375.00	
Recorder	0.00	8018	Inside	4375.00	
Recorder	0.00	6751	Outside	4375.00	
Perforations	7.00			4382.00	
Change Over Sub	1.00			4383.00	
Drill Pipe	31.00			4414.00	
Change Over Sub	1.00			4415.00	
Bullnose	3.00			4418.00	49.00 Bottom Packers & Anchor
Total Tool Length:	76.50				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

S19-21s-33w Finney, KS

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

Doris Green #5

Job Ticket: 48500

DST#: 2

Test Start: 2013.04.02 @ 15:16:00

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: bbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 1o 99m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

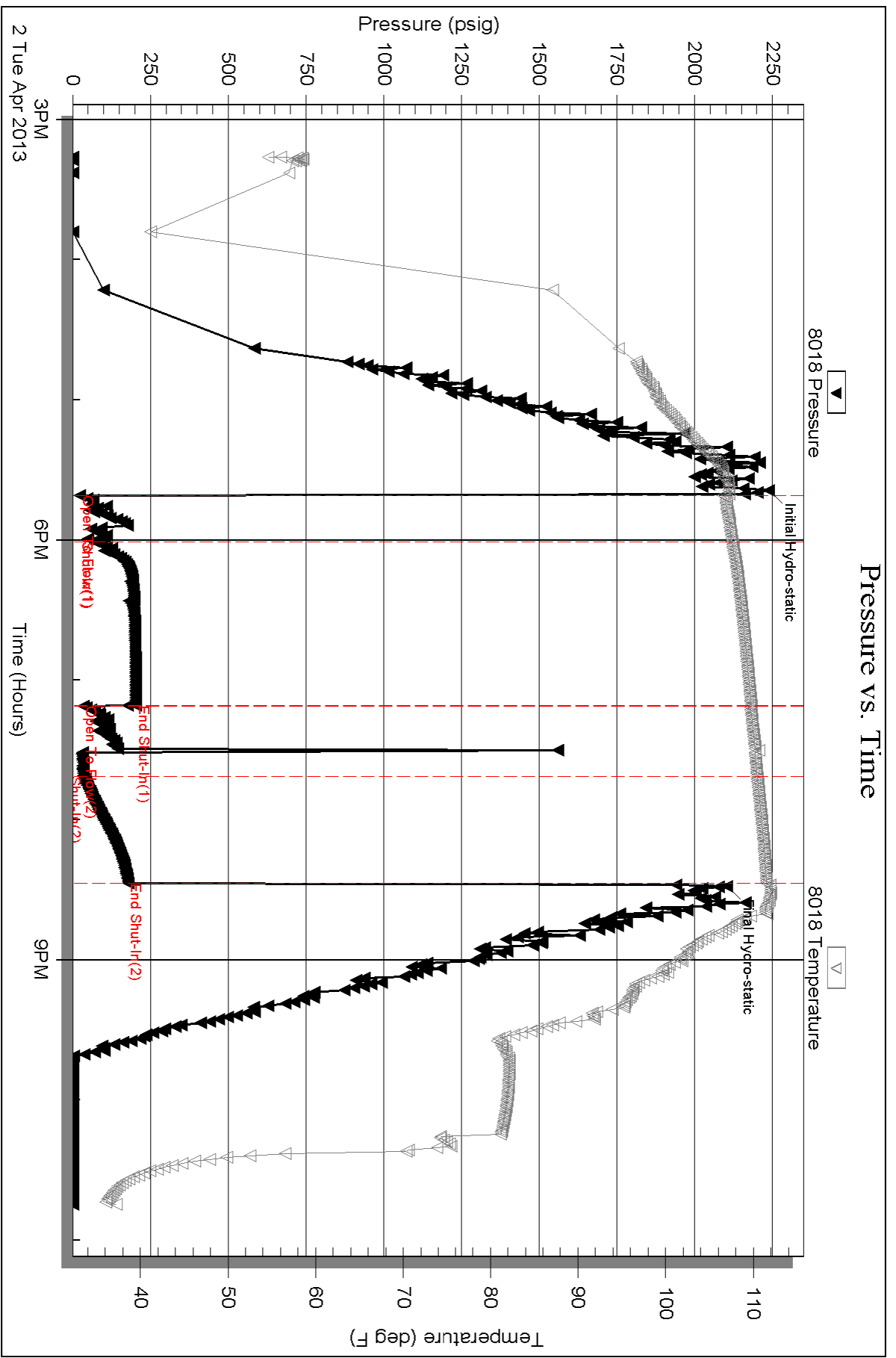
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

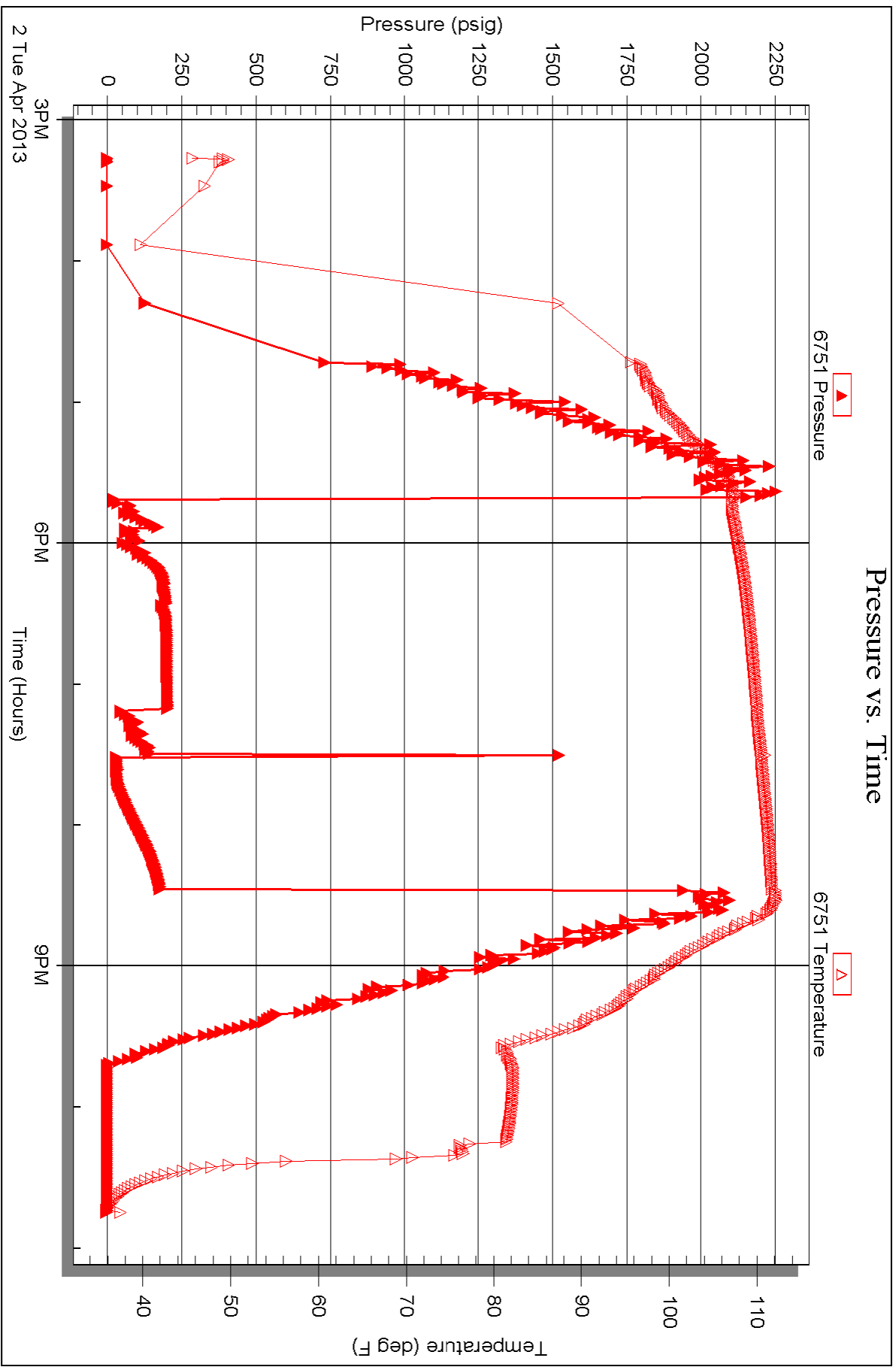


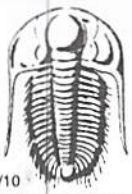
Serial #: 6751

Outside Hartman Oil Co. Inc.

Doris Green #5

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48499

Well Name & No. Doris Green #5 Test No. 1 Date 3-31-13
 Company Hartman Oil Co., Inc. Elevation 2918 KB 2908 GL
 Address 10500 E. Berkeley Sq. Pkwy Ste. 100 Wichita, KS 67206
 Co. Rep / Geo. Kitt Noah Rig H2#2
 Location: Sec. 19 Twp. 21s Rge. 33w Co. Finney State KS

Interval Tested 4046-4090 Zone Tested LKC 'K'
 Anchor Length 44 Drill Pipe Run 379.5 Mud Wt. 9.2
 Top Packer Depth 4042 Drill Collars Run 240 Vis 57
 Bottom Packer Depth 4046 Wt. Pipe Run 0 WL 8.0
 Total Depth 4090 Chlorides 2900 ppm System LCM 9#
 Blow Description B.O.B. @ 2 min
No return
B.O.B. @ 3 min
No return

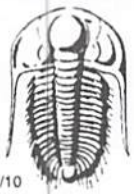
Rec	Feet of	%gas	%oil	%water	%mud
<u>7</u>	<u>OCMW</u>	<u>10</u>	<u>40</u>	<u>50</u>	<u></u>
<u>62</u>	<u>OCMW</u>	<u>3</u>	<u>57</u>	<u>40</u>	<u></u>
<u>62</u>	<u>OSW</u>	<u></u>	<u>100</u>	<u></u>	<u></u>
<u>1616</u>	<u>OSW Circulated out</u>	<u></u>	<u>100</u>	<u></u>	<u></u>
<u>120</u>	<u>MW</u>	<u></u>	<u>80</u>	<u>20</u>	<u></u>

Rec Total 1867 BHT 116 Gravity — API RW .100 @ 60 °F Chlorides 93,000 ppm

(A) Initial Hydrostatic <u>2056</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>242</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:50</u>
(C) First Final Flow <u>646</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:45</u>
(D) Initial Shut-In <u>1042</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>17:46</u>
(E) Second Initial Flow <u>647</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>21:23</u>
(F) Second Final Flow <u>872</u>	<input checked="" type="checkbox"/> Mileage <u>57RT</u> <u>88.35</u>	Comments
(G) Final Shut-In <u>1048</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1980</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1863.35</u>
	<input type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1863.35</u>	

Approved By Kitt Noah Our Representative Chuck Smith

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48500

Well Name & No. Doris Green #5 Test No. 2 Date 4-2-13
 Company Hartman Oil Co., Inc. Elevation 2918 KB 2908 GL
 Address 10500 E. Berkeley Sq. Pkwy. Ste. 100 Wichita, KS 67206
 Co. Rep / Geo. KiH Nonh Rig H2 #2
 Location: Sec. 19 Twp. 21s Rge. 33w Co. Finney State KS

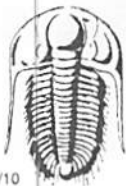
Interval Tested 4369 - 4418 Zone Tested Pawnee - Fort Scott
 Anchor Length 49 Drill Pipe Run 4109 Mud Wt. 9.2
 Top Packer Depth 4365 Drill Collars Run 240 Vis 52
 Bottom Packer Depth 4369 Wt. Pipe Run 0 WL 10.0
 Total Depth 4418 Chlorides 3500 ppm System LCM 12"
 Blow Description 1/4" Blow.
No return
No blow, flushed tool, surge died.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>SOCM</u>	%gas	<u>1</u> %oil	%water	<u>99</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 112 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2239 Test 1250 T-On Location 15:15
 (B) First Initial Flow 22 Jars _____ T-Started 15:16
 (C) First Final Flow 73 Safety Joint _____ T-Open 17:41
 (D) Initial Shut-In 203 Circ Sub NIC T-Pulled 20:28
 (E) Second Initial Flow 34 Hourly Standby _____ T-Out 22:45
 (F) Second Final Flow 34 Mileage 57RT 88.35 Comments _____
 (G) Final Shut-In 178 Sampler _____
 (H) Final Hydrostatic 2104 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 591.67
 Initial Shut-In 45 Day Standby 41.75hrs 1d 17.75h Total 2080.02
 Final Flow 30 Accessibility 150 MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1488.35

Approved By [Signature] 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51726

4/10

Well Name & No.	<u>Doris Green #5</u>	Test No.	<u>N/A</u>	Date	<u>4-4-13</u>
Company	<u>Hartman Oil Co., Inc.</u>	Elevation	<u>2918</u>	KB	<u>2908</u> GL
Address	<u>10500 E. Berkeley Sq. Pkwy Ste. 100 Wichita, KS 67206</u>				
Co. Rep / Geo.	<u>Kitt Noah</u>	Rig	<u>H2#2</u>		
Location: Sec.	<u>19</u>	Twp.	<u>21s</u>	Rge.	<u>33w</u>
		Co.	<u>Finney</u>	State	<u>KS</u>

Interval Tested	<u>N/A</u>	Zone Tested	
Anchor Length		Drill Pipe Run	
Top Packer Depth		Drill Collars Run	
Bottom Packer Depth		Wt. Pipe Run	
Total Depth		Chlorides	ppm System
Blow Description			

Rec	Feet of	%gas	%oil	%water	%mud

Rec Total	BHT	Gravity	API RW	@	° F	Chlorides	ppm
(A) Initial Hydrostatic	<input type="checkbox"/>	Test	T-On Location	<u>22:32</u>			
(B) First Initial Flow	<input type="checkbox"/>	Jars	T-Started	<u>23:30</u>			
(C) First Final Flow	<input type="checkbox"/>	Safety Joint	T-Open				
(D) Initial Shut-In	<input type="checkbox"/>	Circ Sub	T-Pulled				
(E) Second Initial Flow	<input type="checkbox"/>	Hourly Standby	T-Out				
(F) Second Final Flow	<input type="checkbox"/>	Mileage <u>88.35</u>	Comments	<u>Started loading tool @ catwalk 23:30 waiting for loggers</u>			
(G) Final Shut-In	<input type="checkbox"/>	Sampler	<input type="checkbox"/>	Ruined Shale Packer			
(H) Final Hydrostatic	<input type="checkbox"/>	Straddle	<input type="checkbox"/>	Ruined Packer			
Initial Open	<input type="checkbox"/>	Shale Packer	<input type="checkbox"/>	Extra Copies			
Initial Shut-In	<input type="checkbox"/>	Extra Packer	<input type="checkbox"/>	Extra Recorder	Sub Total	<u>800</u>	
Final Flow	<input checked="" type="checkbox"/>	Day Standby <u>48.75 hrs.</u>	Total	<u>888.35</u>			
Final Shut-In	<input type="checkbox"/>	Accessibility	MP/DST Disc't				
		Sub Total	<u>88.35</u>				

Approved By _____ Our Representative Chuck Smith

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PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 135464

Invoice Date: Mar 25, 2013

Page: 1

Bill To:
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	60190	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 25, 2013	4/24/13

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Doris Green #5 <i>84004</i> Class A Common	17.90	4,027.50
4.00	MAT	Gel	23.40	93.60
8.00	MAT	Chloride	64.00	512.00
243.31	SER	Cubic Feet	2.48	603.41
777.01	SER	Ton Mileage	2.60	2,020.20
1.00	SER	Surface	1,512.25	1,512.25
70.00	SER	Pump Truck Mileage	7.70	539.00
1.00	SER	Manifold Head Rental	275.00	275.00
70.00	SER	Light Vehicle Mileage	4.40	308.00
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	CEMENTER	John Robinson		
1.00	OPER ASSIST	David Scariano		

NEW WELL DRILLED

Dr. Mulet
4-7-13

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

\$ 2,099.70

ONLY IF PAID ON OR BEFORE
Apr 19, 2013

Subtotal	9,998.60
Sales Tax	353.19
Total Invoice Amount	10,351.79
Payment/Credit Applied	
TOTAL	10,351.79

ALLIED OIL & GAS SERVICES, LLC 060190

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley

DATE <u>3-25-13</u>	SEC <u>19</u>	TWP. <u>21</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>10:45 Pm</u>	JOB FINISH <u>10:45 Pm</u>
WELL # <u>5</u>		LOCATION <u>Friend W To Biglow Rd 3.5</u>			COUNTY <u>Finney</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>				To Mead Rd - 1/2 - 1.5 - E into			

CONTRACTOR H2 #2 OWNER Same

TYPE OF JOB Surface

COLE SIZE 12 3/4 T.D. 340 CEMENT AMOUNT ORDERED 225 sks Com 3% CC

CASING SIZE 8 5/8 DEPTH 339.40' 2% Gel

PIPE SIZE DEPTH

RILL PIPE DEPTH

COL DEPTH

RES. MAX MINIMUM

EAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

SRFS.

DISPLACEMENT 20.66

EQUIPMENT

TRUCK CEMENTER Devon Roberts

120 HELPER Tyler Flipse + John Robinson

TRUCK DRIVER David Scariano

600 DRIVER

TRUCK DRIVER

HANDLING 243.31 CP @ 2.48 \$ 603.41

MILEAGE 11.10 x 70 x @ 2.12 \$ 2020.20

TOTAL \$ 7256.71

REMARKS:

mix 225 sks Cement
Displaced with water
cement did circulate.

SERVICE

DEPTH OF JOB 339.40'

PUMP TRUCK CHARGE \$ 1512.25

EXTRA FOOTAGE @

MILEAGE 70 @ 7.70 \$ 539.00

MANIFOLD Head @ 275.00

LV mileage @ 4.40 \$ 308.00

TOTAL \$ 2634.25

CHARGE TO: Hartman oil

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1 Wooden Plug @ 107.64

@

@

@

@

TOTAL \$ 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.

SALES TAX (If Any)

TOTAL CHARGES 9,998.60

DISCOUNT 2,099.70 IF PAID IN 30 DAYS

7,898.89 Net.

PRINTED NAME STEVEN CRAIG

SIGNATURE Steven Craig

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

April 18, 2013

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

Re: ACO1
API 15-055-22209-00-00
Doris Green 5
SW/4 Sec.19-21S-33W
Finney County, Kansas

Dear Production Department:

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

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

Respectfully,
Stan Mitchell