

KANSAS CORPORATION COMMISSION 1064478
OIL & GAS CONSERVATION DIVISION

Form ACO-1
 June 2009
Form Must Be Typed
Form must be Signed
 All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30535
 Name: Hartman Oil Co., Inc.
 Address 1: 10500 E BERKELEY SQ PKWY STE 100
 Address 2: _____
 City: WICHITA State: KS Zip: 67206 + _____
 Contact Person: Stan Mitchell
 Phone: (620) 272-1025
 CONTRACTOR: License # 33645
 Name: H2 Plains, LLC
 Wellsite Geologist: Kitt Noah
 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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>9/10/2011</u>	<u>9/19/2011</u>	<u>9/19/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-193-20817-00-00
 Spot Description: _____
SW NE NE NW Sec. 23 Twp. 10 S. R. 33 East West
350 Feet from North / South Line of Section
2260 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Thomas
 Lease Name: Nollette Trust Well #: 1-23
 Field Name: _____
 Producing Formation: FT Scott
 Elevation: Ground: 3145 Kelly Bushing: 3153
 Total Depth: 4770 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at: 337 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: 1800 ppm Fluid volume: 8000 bbls
 Dewatering method used: Evaporated
 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

Letter of Confidentiality Received
 Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
 ALT I II III Approved by: Deanna Garbar Date: 10/18/2011



1064478

Operator Name: Hartman Oil Co., Inc. Lease Name: Nollette Trust Well #: 1-23
 Sec. 23 Twp. 10 S. R. 33 East West County: Thomas

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Array Compensated True Resistivity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.250	8.625	24.0	337	Class A Commor	225	3%cc-2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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	
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 (Explain) _____	
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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Nollette Trust 1-23
Doc ID	1064478

Tops

Heebner Shale	4042	-889
Toronto	4062	-909
Lansing	4080	-927
Muncie Creek	4218	-1065
Stark	4304	-1151
B/KC	4358	-1205
Pawnee	4494	-1341
Cherokee	4584	-1431
Johnson Zone	4627	-1474
Mississippi	4691	-1538
RTD	4770	-1617

ALLIED CEMENTING CO., LLC. 043498

BOX 31
WELL, KANSAS 67665

SERVICE POINT:

Oakley

SEC. <u>33</u>	TWP. <u>10</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 PM</u>	JOB FINISH <u>5:00 PM</u>
WELL # <u>1-23</u>	LOCATION <u>Oakley 3N 6W 1N</u>			COUNTY <u>Thomas</u>	STATE <u>KS</u>	
(OWNER) (Circle one)				<u>1/2 E S 40</u>		

CONTRACTOR H2 Drilling #2

TYPE OF JOB PTA

PIPE SIZE 7 7/8 I.D. 4 7/8"

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2650'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

CEMENT LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER same

CEMENT AMOUNT ORDERED 220 sks 6 1/2 4 1/2 4 1/2

1 1/2 flo seal

COMMON	<u>132 sks</u>	@ <u>16.25</u>	<u>2145.00</u>
POZMIX	<u>88 sks</u>	@ <u>8.50</u>	<u>748.00</u>
GEL	<u>8 sks</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE		@	
ASC		@	
<u>Flow seal 55*</u>		@ <u>2.70</u>	<u>148.50</u>
HANDLING	<u>230 sks</u>	@ <u>2.25</u>	<u>517.50</u>
MILBAGE	<u>17.56/mile</u>		<u>253.00</u>
TOTAL			<u>3982.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andree

#386-281 HELPER Jerry

BULK TRUCK

#347 DRIVER Chris

BULK TRUCK

DRIVER

REMARKS:

25 sks @ 2650'

100 sks @ 1745'

40 sks @ 380'

10 sks @ 40'

15 sks mouse hole

30 sks Rat hole

Thank you

CHARGE TO: Hartman oil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2650'</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILBAGE	<u>10 miles @ 2</u>	@ <u>2.00</u>	<u>140.00</u>
MANIFOLD		@	
<u>Light vehicle</u>		@ <u>4.00</u>	<u>80.00</u>
TOTAL			<u>1470.00</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8</u>			
<u>10ry hole plug</u>	@		<u>92.00</u>
	@		
	@		
	@		
TOTAL			<u>92.00</u>

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.

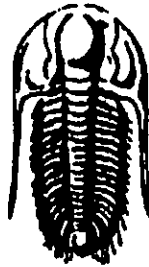
SALES TAX (If Any) _____

TOTAL CHARGES 5544.00

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME STEVEN CRAIG

SIGNATURE Steven Craig



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hartmen Oil Co, Inc**
10500 E Berkeley Sq Pkwy
STE 300
Wichuta, KS 67206

ATTN: Kitt Noah

23 10s 33w Thomas,KS

Nollette Trust #1-23

Start Date: 2011.09.17 @ 02:42:00
End Date: 2011.09.17 @ 10:25:30
Job Ticket #: 44480 DST #: 1

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

ORIGINAL

Printed: 2011.10.05 @ 12:15:01

Hartmen Oil Co, Inc

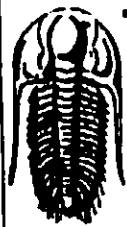
Nollette Trust #1-23

23 10s 33w Thomas,KS

DST # 1

Myric Station

2011.09.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartmen Oil Co, Inc
10500 E Berkeley Sq Rkwy
STE 300
Wichita, KS 67206
ATTN: Kitt Noah

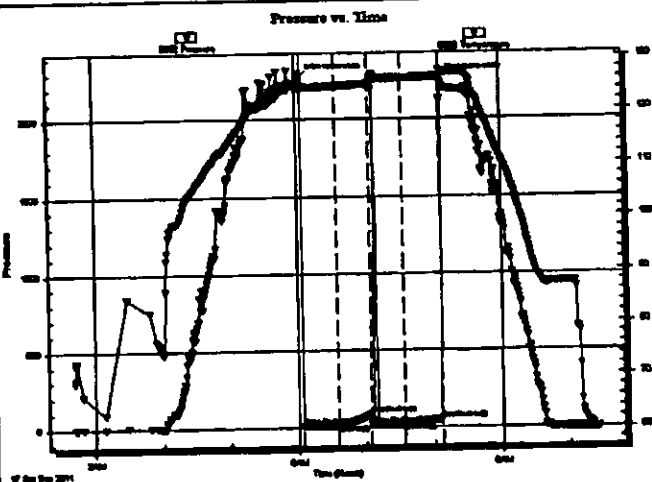
Nolletta Trust #1-23
23 10s 33w Thomas,KS
Job Ticket: 44480 DST#: 1
Test Start: 2011.09.17 @ 02:42:00

GENERAL INFORMATION:

Formation: **Myric Station**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 06:04:00
Time Test Ended: 10:25:30
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Bradley Walter**
Unit No: **40**
Interval: **4525.00 ft (KB) To 4554.00 ft (KB) (TVD)**
Total Depth: **4554.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Reference Elevations: **3153.00 ft (KB)**
3142.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: **8652** Inside
Press@RunDepth: **27.05 psig @ 4526.00 ft (KB)**
Start Date: **2011.09.17** End Date: **2011.09.17**
Start Time: **02:42:05** End Time: **10:25:29**
Capacity: **8000.00 psig**
Last Calib.: **2011.09.17**
Time On Btm: **2011.09.17 @ 08:03:45**
Time Off Btm: **2011.09.17 @ 08:08:15**

TEST COMMENT: IF: Surface blow, died @ 7 minutes.
IS: No return.
FF: No blow, Flushed tool. No blow
FS: No blow.



PRESSURE SUMMARY

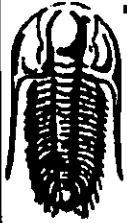
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.22	124.93	Initial Hydro-static
1	14.98	123.52	Open To Flow (1)
31	17.06	124.52	Shut-In(1)
61	85.78	124.90	End Shut-In(1)
61	19.11	124.84	Open To Flow (2)
90	27.05	126.01	Shut-In(2)
124	52.76	126.23	End Shut-In(2)
125	2262.04	127.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m (oil specks)	0.07

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/D)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co, Inc
10500 E Berkeley Sq Pkwy
STE 300
Wichita, KS 67206
ATTN: Kitt Noah

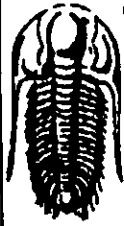
Nollette Trust #1-23
23 10s 33w Thomas,KS
Job Ticket: 44480 DST#: 1
Test Start: 2011.09.17 @ 02:42:00

Tool Information

Drill Pipe:	Length: 4332.00 ft	Diameter: 3.20 inches	Volume: 43.09 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 43.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4525.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 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
Change Over Sub	1.00			4505.00	
Shut In Tool	5.00			4510.00	
Hydraulic tool	5.00			4515.00	
Packer	5.00			4520.00	21.00 Bottom Of Top Packer
Packer	5.00			4525.00	
Stubb	1.00			4526.00	
Recorder	0.00	8360	Outside	4526.00	
Recorder	0.00	8652	Inside	4526.00	
Perforations	25.00			4551.00	
Bullnose	3.00			4554.00	29.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartmen Oil Co, Inc

Nollette Trust #1-23

10500 E Berkeley Sq Pkwy
STE 300
Wichita, KS 67206
ATTN: Kitt Noah

23 10s 33w Thomas,KS

Job Ticket: 44480

DST#: 1

Test Start: 2011.09.17 @ 02:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.97 in³

Resistivity: ohm m

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft
bbl

psig

Oil API

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m (oil specks)	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

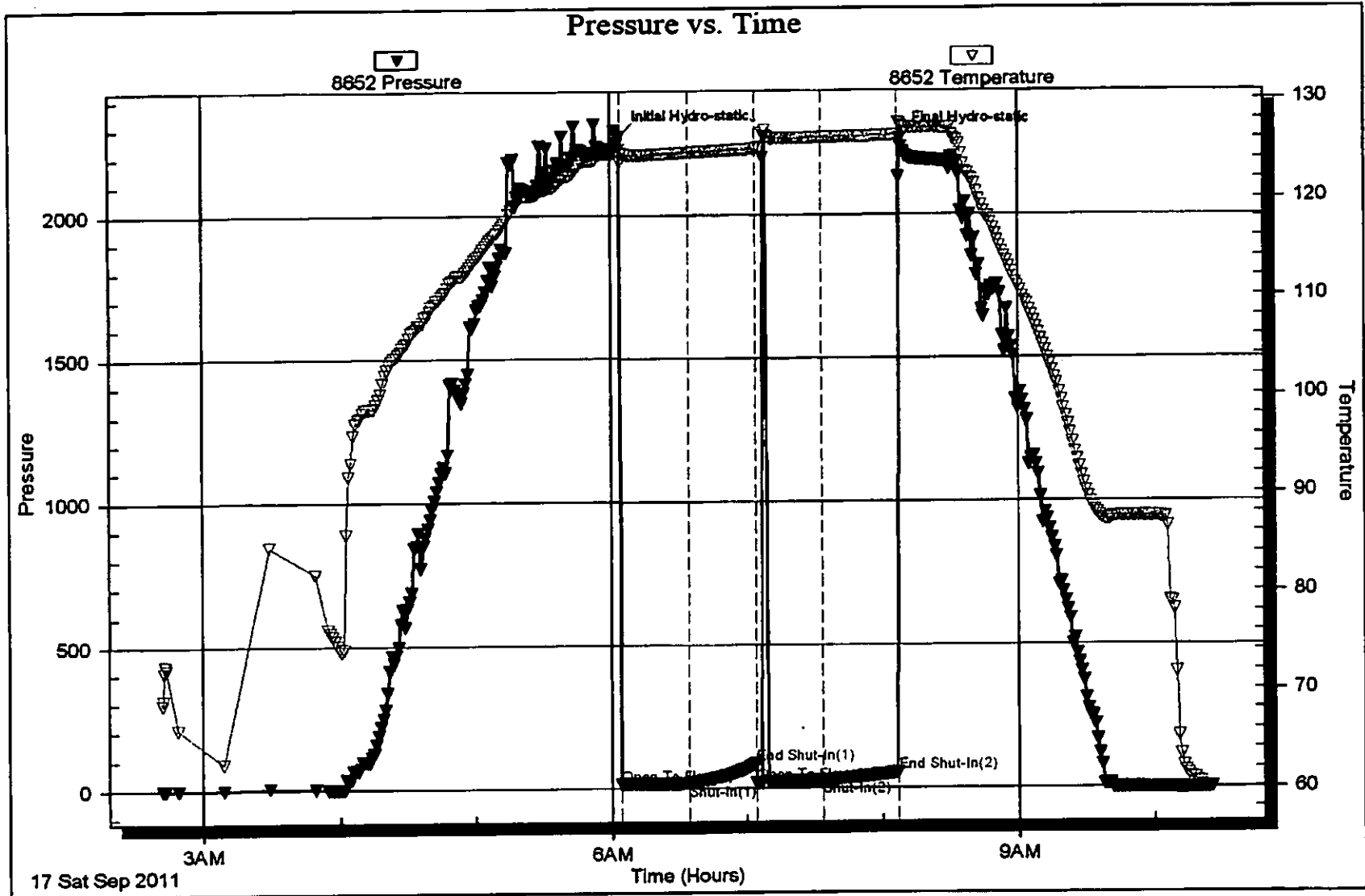
Recovery Comments:

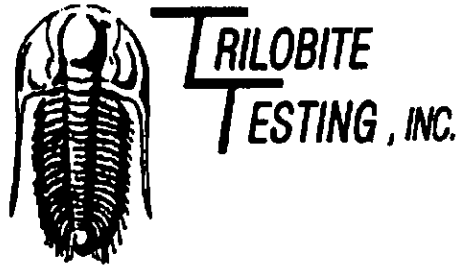
Serial #: 8652

Inside Hartmen Oil Co, Inc

23 10s 33w Thomas, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Hartmen Oil Co, Inc**
10500 E Berkeley Sq Pkwy
STE 300
Wichuta, KS 67206

ATTN: Kitt Noah

23 10s 33w Thomas,KS

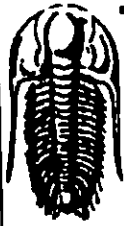
Nollette Trust #1-23

Start Date: 2011.09.18 @ 04:26:00
End Date: 2011.09.18 @ 11:15:00
Job Ticket #: 44481 DST #: 2

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

Printed: 2011.10.05 @ 12:15:23

Hartmen Oil Co, Inc
Nollette Trust #1-23
23 10s 33w Thomas,KS
DST # 2
Johnson
2011.09.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co, Inc
10500 E Berkeley Sq Fkwy
STE 300
Wichita, KS 67206
ATTN: Kitt Noah

Nolletta Trust #1-23
23 10s 33w Thomas, KS
Job Ticket: 44481 DST#: 2
Test Start: 2011.09.18 @ 04:26:00

GENERAL INFORMATION:

Formation: Johnson
Deviated: No Whipstock ft (KB)
Time Tool Opened: 06:58:15
Time Test Ended: 11:15:00

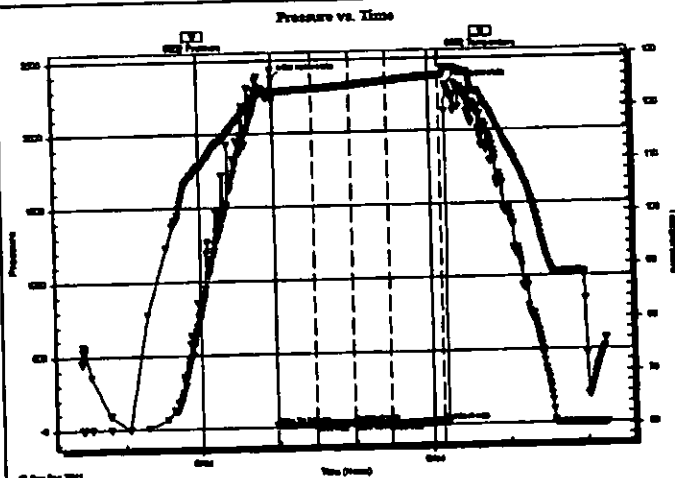
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 40

Interval: 4607.00 ft (KB) To 4658.00 ft (KB) (TVD)
Total Depth: 4658.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3153.00 ft (KB)
3142.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8652 Inside
Press@RunDepth: 15.67 psig @ 4608.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.18 End Date: 2011.09.18 Last Calib.: 2011.09.18
Start Time: 04:26:05 End Time: 11:14:59 Time On Btm: 2011.09.18 @ 06:58:00
Time Off Btm: 2011.09.18 @ 09:13:00

TEST COMMENT: IF: Surface blow, died @ 11 minutes.
ISL: No return.
FF: No blow, Flushed tool, No blow.
FSL: No return



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2379.62	123.40	Initial Hydro-static
1	14.31	121.78	Open To Flow (1)
31	15.13	123.89	Shut-In(1)
60	21.56	124.51	End Shut-In(1)
61	13.89	124.51	Open To Flow (2)
89	15.67	125.18	Shut-In(2)
131	18.24	126.08	End Shut-In(2)
135	2317.26	127.46	Final Hydro-static

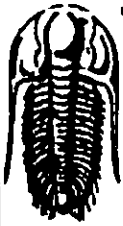
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

* Recovery from multiple tests

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/D)



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co, Inc

Nollette Trust #1-23

10500 E Berkeley Sq Pkwy
STE 300
Wichita, KS 67206
ATTN: Kitt Noah

23 10s 33w Thomas, KS

Job Ticket: 44481

DST#: 2

Test Start: 2011.09.18 @ 04:26:00

Tool Information

Drill Pipe:	Length: 4363.00 ft	Diameter: 3.20 inches	Volume: 43.40 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 89000.00 lb
			<u>Total Volume: 44.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4607.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4587.00	
Shut In Tool	5.00			4592.00	
Hydraulic tool	5.00			4597.00	
Packer	5.00			4602.00	21.00 Bottom Of Top Packer
Packer	5.00			4607.00	
Stubb	1.00			4608.00	
Recorder	0.00	8360	Outside	4608.00	
Recorder	0.00	8652	Inside	4608.00	
Perforations	14.00			4622.00	
Change Over Sub	1.00			4623.00	
Drill Pipe	31.00			4654.00	
Change Over Sub	1.00			4655.00	
Bullnose	3.00			4658.00	51.00 Bottom Packers & Anchor
Total Tool Length:	72.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartmen Oil Co, Inc
10500 E Berkeley Sq Rwy
STE 300
Wichita, KS 67206
ATTN: Kitt Noah

Nollette Trust #1-23
23 10s 33w Thomas,KS
Job Ticket: 44481 DST#: 2
Test Start: 2011.09.18 @ 04:26:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.78 in ²	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8652

Inside Hartmen Oil Co. Inc

23 10s 33w Thomas,KS

DST Test Number: 2

