



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1203755  
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: \_\_\_\_\_

1203755

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
--	---

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Simpson 1-22
Doc ID	1203755

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Simpson 1-22
Doc ID	1203755

Tops

Name	Top	Datum
Topeka	3260	-1074
Heebner	3505	-1319
Toronto	3524	-1338
Lansing	3545	-1359
Stark	3756	-1570
B/KC	3806	-1620
Pawnee	3868	-1620
Cherokee	3919	-1776
Arbuckle	3962	-1776
LTD	4018	-1832





## DRILL STEM TEST REPORT

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

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206

ATTN: Kitt Noah

### **Simpson #1-22**

#### **22-16s-20w Rush,KS**

Start Date: 2014.05.03 @ 22:05:00

End Date: 2014.05.04 @ 07:38:30

Job Ticket #: 54124                      DST #: 1

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

Printed: 2014.05.06 @ 15:45:32



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hartman Oil Co. Inc.

**22-16s-20w Rush, KS**

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Simpson #1-22**

Job Ticket: 54124

**DST#: 1**

Test Start: 2014.05.03 @ 22:05:00

## GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:16:00

Time Test Ended: 07:38:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3560.00 ft (KB) To 3587.00 ft (KB) (TVD)**

Reference Elevations: 2186.00 ft (KB)

Total Depth: 3587.00 ft (KB) (TVD)

2178.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8957 Inside**

Press@RunDepth: 179.36 psig @ 3584.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.03

End Date:

2014.05.04

Last Calib.: 2014.05.04

Start Time: 22:05:05

End Time:

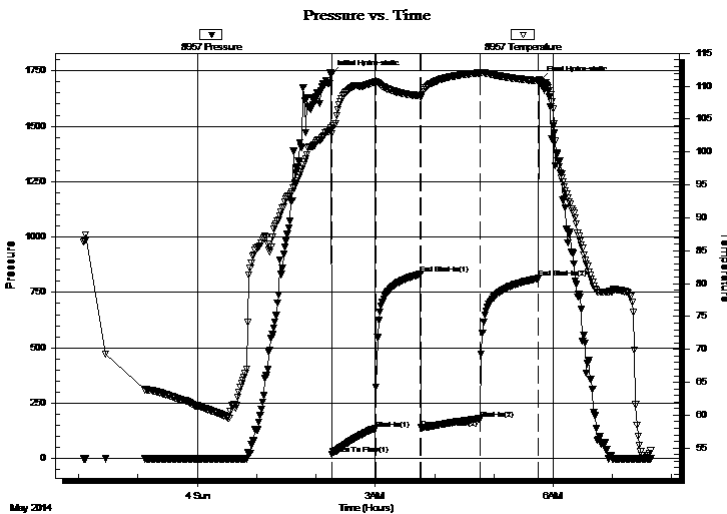
07:38:30

Time On Btm: 2014.05.04 @ 02:15:30

Time Off Btm: 2014.05.04 @ 05:46:45

TEST COMMENT: IF-BOB in 24 min  
IS-1/4" blow  
FF-BOB in 36 min  
FS-1/4" blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.05	103.62	Initial Hydro-static
1	20.40	102.82	Open To Flow (1)
45	133.87	110.65	Shut-In(1)
91	832.62	108.52	End Shut-In(1)
91	138.46	108.34	Open To Flow (2)
151	179.36	112.02	Shut-In(2)
210	813.55	110.82	End Shut-In(2)
212	1704.43	110.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
269.00	OS SMCW 10%M 90%W	1.51
10.00	SGO 10%G 90%O	0.14

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co. Inc.

**22-16s-20w Rush, KS**

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Simpson #1-22**

Job Ticket: 54124

**DST#: 1**

Test Start: 2014.05.03 @ 22:05:00

## Tool Information

Drill Pipe:	Length: 3293.00 ft	Diameter: 3.80 inches	Volume: 46.19 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 47.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3560.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3538.00	
Hydraulic tool	5.00			3543.00	
Jars	5.00			3548.00	
Safety Joint	2.00			3550.00	
Packer	5.00			3555.00	27.00 Bottom Of Top Packer
Packer	5.00			3560.00	
Stubb	1.00			3561.00	
Perforations	23.00			3584.00	
Recorder	0.00	8957	Inside	3584.00	
Recorder	0.00	8934	Outside	3584.00	
Bullnose	3.00			3587.00	27.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Hartman Oil Co. Inc.

**22-16s-20w Rush, KS**

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Simpson #1-22**

Job Ticket: 54124

**DST#: 1**

Test Start: 2014.05.03 @ 22:05:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
269.00	OS SMCW 10%M 90%W	1.505
10.00	SGO 10%G 90%O	0.140

Total Length: 279.00 ft

Total Volume: 1.645 bbl

Num Fluid Samples: 0

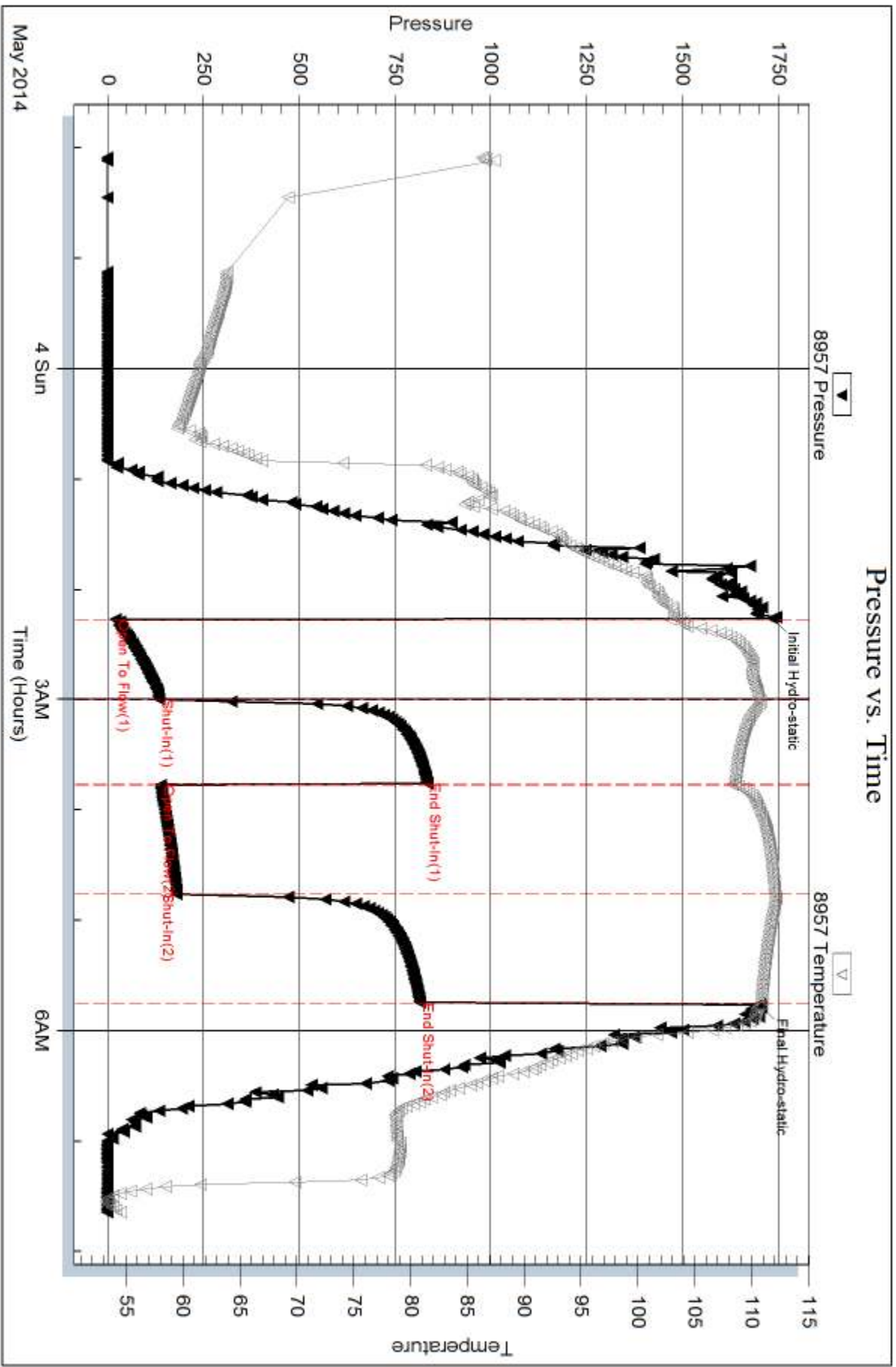
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

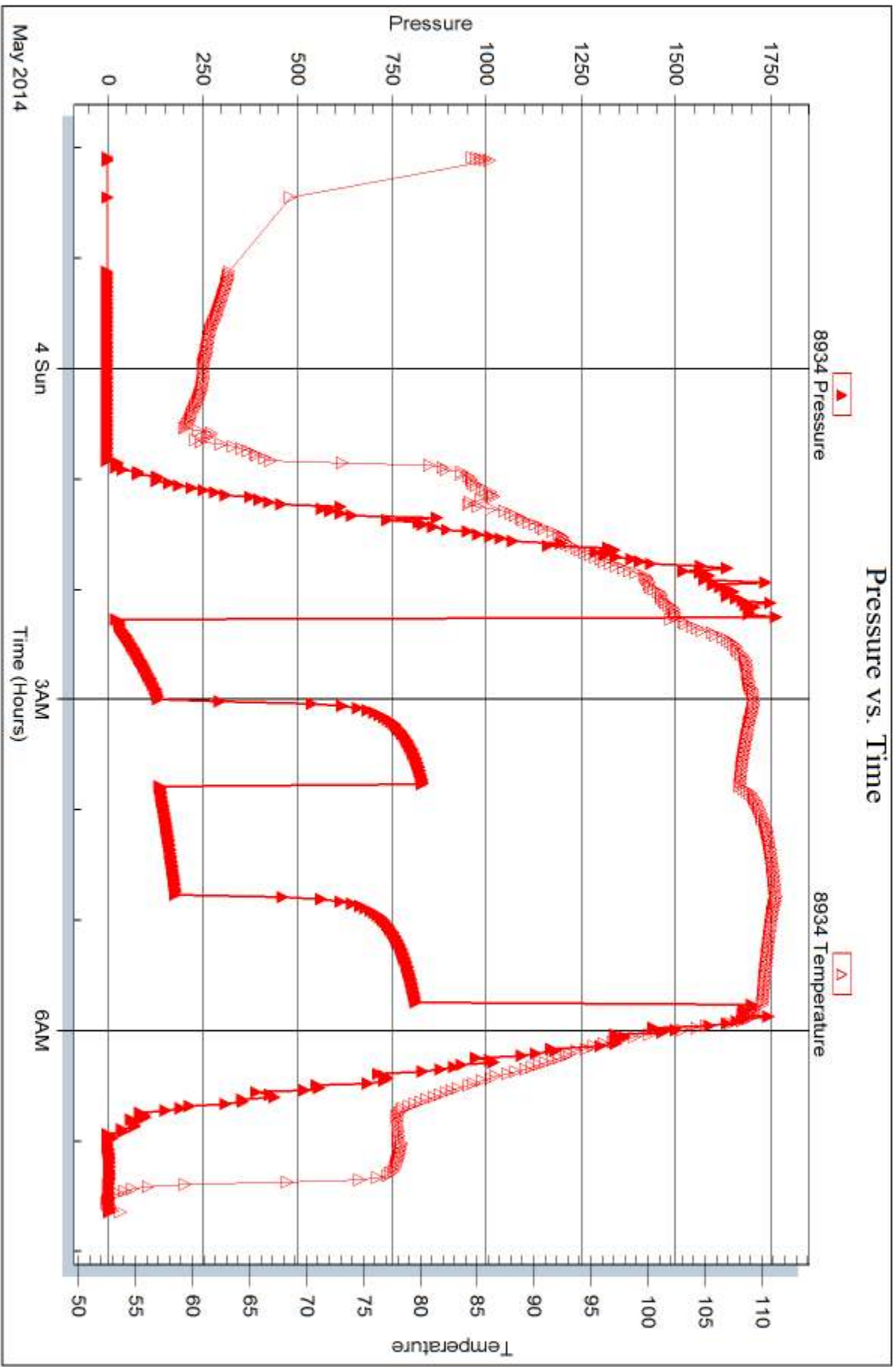


Serial #: 8934

Outside Hartman Oil Co. Inc.

Simpson #1-22

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54124

Printed: 2014.05.06 @ 15:45:33



## DRILL STEM TEST REPORT

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

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206

ATTN: Kitt Noah

### **Simpson #1-22**

#### **22-16s-20w Rush,KS**

Start Date: 2014.05.05 @ 18:15:00

End Date: 2014.05.06 @ 01:26:15

Job Ticket #: 54125                      DST #: 2

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

Printed: 2014.05.06 @ 15:45:00



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co. Inc.

**22-16s-20w Rush, KS**

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Simpson #1-22**

Job Ticket: 54125

**DST#: 2**

Test Start: 2014.05.05 @ 18:15:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:19:30

Time Test Ended: 01:26:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3916.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Reference Elevations: 2186.00 ft (KB)

Total Depth: 3970.00 ft (KB) (TVD)

2178.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8957 Inside**

Press@RunDepth: 988.97 psig @ 3920.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.06

Last Calib.:

2014.05.06

Start Time: 18:15:05

End Time:

01:26:14

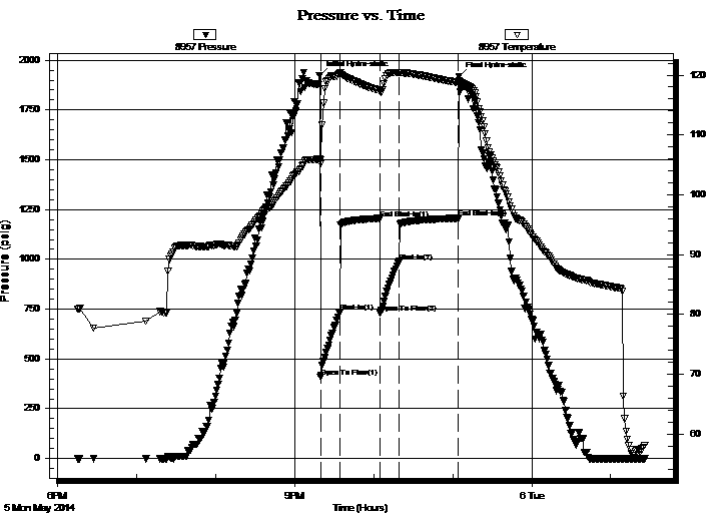
Time On Btm:

2014.05.05 @ 21:18:45

Time Off Btm:

2014.05.05 @ 23:04:45

TEST COMMENT: IF-BOB in 1 1/2 min  
IS-No blow  
FF-BOB in 1 1/2 min  
FS-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1921.52	105.96	Initial Hydro-static
1	407.10	105.21	Open To Flow (1)
16	733.66	120.22	Shut-In(1)
46	1205.60	117.46	End Shut-In(1)
47	730.06	117.22	Open To Flow (2)
61	988.97	120.39	Shut-In(2)
106	1206.37	118.77	End Shut-In(2)
106	1917.62	119.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
740.00	water	8.11
1100.00	MCW 20%M 80%W	15.43
190.00	MCW 45%M 55%W	2.67

\* 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.

**22-16s-20w Rush,KS**

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Simpson #1-22**

Job Ticket: 54125

**DST#: 2**

Test Start: 2014.05.05 @ 18:15:00

## Tool Information

Drill Pipe:	Length: 3667.00 ft	Diameter: 3.80 inches	Volume: 51.44 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 52.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3916.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	81.00 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
Shut In Tool	5.00			3894.00	
Hydraulic tool	5.00			3899.00	
Jars	5.00			3904.00	
Safety Joint	2.00			3906.00	
Packer	5.00			3911.00	27.00 Bottom Of Top Packer
Packer	5.00			3916.00	
Stubb	1.00			3917.00	
Perforations	2.00			3919.00	
Change Over Sub	1.00			3920.00	
Recorder	0.00	8957	Inside	3920.00	
Recorder	0.00	8934	Outside	3920.00	
Drill Pipe	31.00			3951.00	
Change Over Sub	1.00			3952.00	
Perforations	15.00			3967.00	
Bullnose	3.00			3970.00	54.00 Bottom Packers & Anchor

**Total Tool Length: 81.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co. Inc.

**22-16s-20w Rush,KS**

10500 E Berkeley  
So Pkwy Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Simpson #1-22**

Job Ticket: 54125

**DST#: 2**

Test Start: 2014.05.05 @ 18:15:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 62.00 sec/qt  
Water Loss: 5.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2200.00 ppm  
Filter Cake: inches

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

Oil API: deg API  
Water Salinity: 44000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
740.00	water	8.112
1100.00	MCW 20%M 80%W	15.430
190.00	MCW 45%M 55%W	2.665

Total Length: 2030.00 ft      Total Volume: 26.207 bbl

Num Fluid Samples: 0

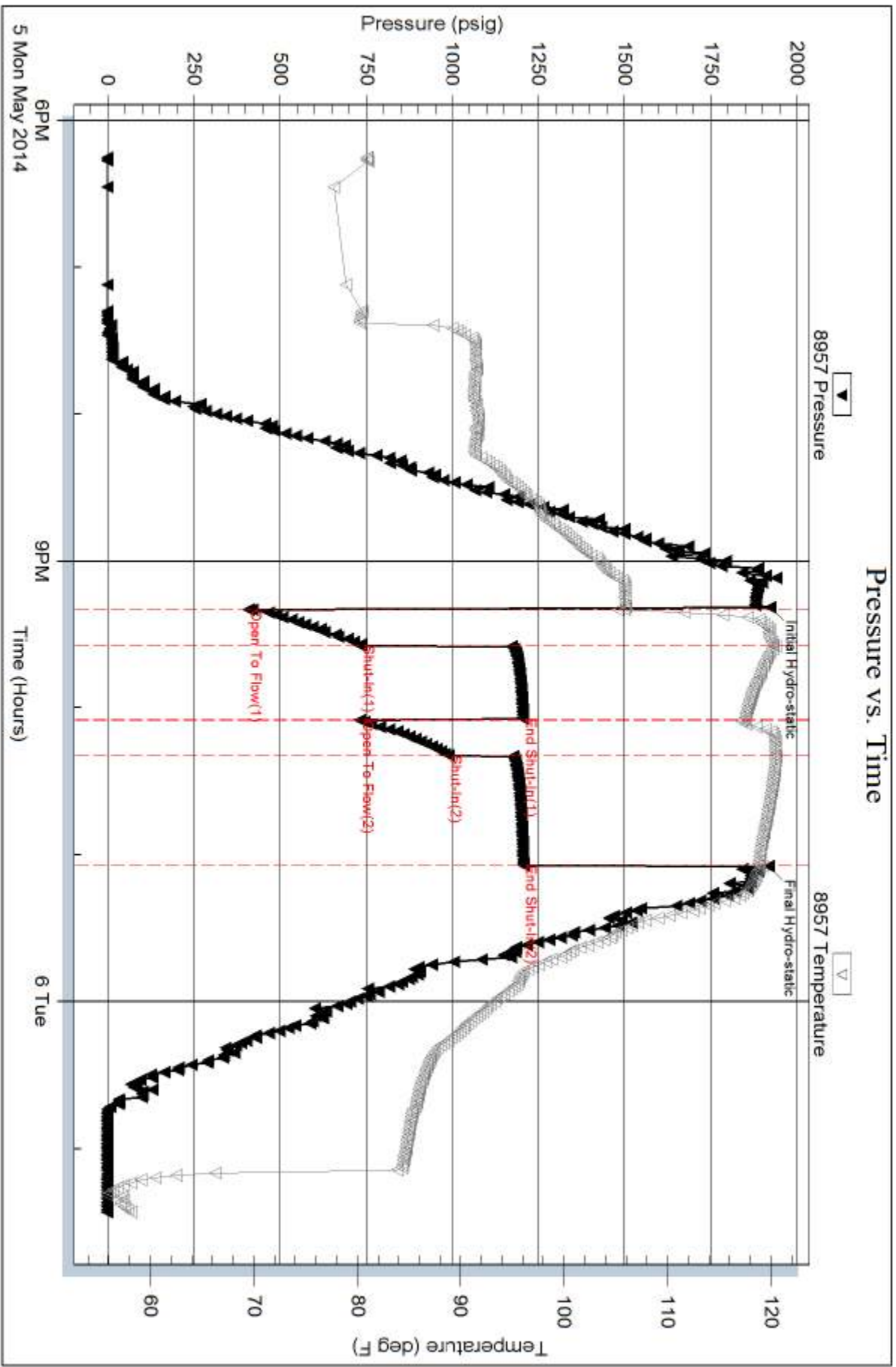
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54124

Well Name & No. Simpson # 1-22 Test No. 1 Date 5/3/14  
 Company Hartman Oil Co., Inc Elevation 2186 KB 2178 GL  
 Address 10500 E Berkeley Sq Pkwy STE 100  
 Co. Rep / Geo. Kitt Ngah Rig H2 #2  
 Location: Sec. 22 Twp. 16s Rge. 20w Co. Rush State KS

Interval Tested 3560-3587 Zone Tested KC "C"  
 Anchor Length 27 Drill Pipe Run 3293 Mud Wt. 9.0  
 Top Packer Depth 3555 Drill Collars Run 249 Vis 62  
 Bottom Packer Depth 3560 Wt. Pipe Run — WL 6.0  
 Total Depth 3587 Chlorides 2,200 ppm System LCM 2

Blow Description FF- BOB in 24min  
FSL- 1/4 in blow  
FF- BOB in 36min  
FSL-

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>SGO</u>	<u>10</u>	<u>90</u>		
<u>269</u>	<u>OS SMCW</u>			<u>90</u>	<u>10</u>

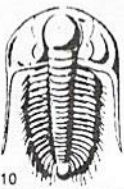
Rec Total 279 BHT 111 Gravity 35 API RW .13 @ 50 °F Chlorides 90,000 ppm  
 (A) Initial Hydrostatic 1,734  Test 1150 T-On Location 21:15  
 (B) First Initial Flow 20  Jars 250 T-Started 22:05  
 (C) First Final Flow 134  Safety Joint 75 T-Open 2:13  
 (D) Initial Shut-In 833  Circ Sub \_\_\_\_\_ T-Pulled 5:43  
 (E) Second Initial Flow 138  Hourly Standby \_\_\_\_\_ T-Out 7:35  
 (F) Second Final Flow 179  Mileage 60RT 93  
 (G) Final Shut-In 814  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,704  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility 150

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 60  
 Sub Total 1718  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Butt

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. **54125**

Well Name & No. Simpson # 1-22 Test No. 2 Date 5/5/14  
 Company Hartman Oil Co., Inc. Elevation 2186 KB 2178 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Kitt Noah Rig H2 #2  
 Location: Sec. 22 Twp. 16s Rge. 20w Co. Rush State KS

Interval Tested 3916 - 3970 Zone Tested Arbuckle  
 Anchor Length 54 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3911 Drill Collars Run 249 Vis \_\_\_\_\_  
 Bottom Packer Depth 3916 Wt. Pipe Run — WL \_\_\_\_\_  
 Total Depth 3970 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_  
 Blow Description FF - BOB in 1 1/2  
FSI - No blow  
FF - BOB in 1 1/2  
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>740</u>	<u>water</u>		<u>100</u>		
<u>1100</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
<u>190</u>	<u>MCW</u>		<u>55</u>	<u>45</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 2030 BHT 119 Gravity \_\_\_\_\_ API RW 22 @ 55 °F Chlorides 44000 ppm

(A) Initial Hydrostatic <u>1,922</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>17:45</u>
(B) First Initial Flow <u>407</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:15</u>
(C) First Final Flow <u>734</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:20</u>
(D) Initial Shut-In <u>1,206</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:05</u>
(E) Second Initial Flow <u>730</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:30</u>
(F) Second Final Flow <u>989</u>	<input checked="" type="checkbox"/> Mileage <u>60.1</u> <u>93</u>	Comments _____
(G) Final Shut-In <u>1,206</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1,918</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Open <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>341.67</u>
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 10.25h</u>	Total <u>2059.67</u>
Final Flow <u>15</u>	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't _____
Final Shut-In <u>45</u>	Sub Total <u>1718</u>	

Approved By \_\_\_\_\_ Our Representative Burt D...

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PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 143102  
Invoice Date: May 6, 2014  
Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Hart	62924	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	May 6, 2014	6/5/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Simpson #1-22 <i>83043</i>		
162.00	CEMENT MATERIALS	Class A Common	17.90	2,899.80
108.00	CEMENT MATERIALS	Pozmix	9.35	1,009.80
10.00	CEMENT MATERIALS	Gel	23.40	234.00
68.00	CEMENT MATERIALS	Flo Seal	2.97	201.96
291.19	CEMENT SERVICE	Cubic Feet Charge	2.48	722.15
424.90	CEMENT SERVICE	Ton Mileage Charge	2.60	1,104.74
1.00	CEMENT SERVICE	Rotary Plug	2,600.47	2,600.47
35.00	CEMENT SERVICE	Pump Truck Mileage	7.70	269.50
35.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	154.00
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	OPERATOR ASSISTANT	Joshua Ellis		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

**NEW WELL DRILLED**

*Dr. Mitchell DAA*

*5-19-14*

Subtotal	9,196.42
Sales Tax	565.58
Total Invoice Amount	9,762.00
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,762.00</b>

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

\$ 2,391.07

ONLY IF PAID ON OR BEFORE  
May 31, 2014







PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 142902

Invoice Date: Apr 30, 2014

Page: 1

**Bill To:**

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

Customer ID	Field Ticket #	Payment Terms	
Hart	62954	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Apr 30, 2014	5/30/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Simpson #1-22 <i>83043</i>		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
4.00	CEMENT MATERIALS	Gel	23.40	93.60
634.00	CEMENT MATERIALS	Chloride	0.80	507.20
243.30	CEMENT SERVICE	Cubic Feet Charge	2.48	603.38
388.50	CEMENT SERVICE	Ton Mileage Charge	2.60	1,010.10
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
35.00	CEMENT SERVICE	Pump Truck Mileage	7.70	269.50
35.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	154.00
1.00	CEMENT SUPERVISOR	Tim Dickson		
1.00	EQUIPMENT OPERATOR	Kevin Eddy		
1.00	EQUIPMENT OPERATOR	Daniel Casper		

NEW WELL  
DRILLED

DFA

*Dr. Mitchell*  
5-9-14

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

\$ 2,126.16

ONLY IF PAID ON OR BEFORE  
May 25, 2014

Subtotal	8,177.53
Sales Tax	284.64
Total Invoice Amount	8,462.17
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,462.17</b>



