



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1159150  
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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

1159150

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Garden City B Twin 5
Doc ID	1159150

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Garden City B Twin 5
Doc ID	1159150

Tops

Name	Top	Datum
Heebner	3761	-861
Lansing	3802	-902
Stark	4137	-1237
B/KC	4274	-1374
Marmaton	4300	-1400
Cherokee	4411	-1511
Mississippian	4626	-1726
RTD	4830	-1930



## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co**

10500 E Berkeley SQ PKWY  
Ste 100  
Wichita, KS 67206

ATTN: Kitt Noah

**5-22s-33w Finney,KS**

**Garden City B Twin #5**

Start Date: 2013.08.27 @ 15:05:40

End Date: 2013.08.27 @ 23:55:40

Job Ticket #: 52845                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.03 @ 10:40:06



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co  
10500 E Berkeley SQ PKWY  
Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Garden City B Twin #5**

**5-22s-33w Finney,KS**

Job Ticket: 52845

**DST#: 1**

Test Start: 2013.08.27 @ 15:05:40

## GENERAL INFORMATION:

Formation: **Upper L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:49:40

Time Test Ended: 23:55:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

**Interval: 4193.00 ft (KB) To 4206.00 ft (KB) (TVD)**

Reference Elevations: 2900.00 ft (KB)

Total Depth: 4206.00 ft (KB) (TVD)

2890.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8368 Outside**

Press @ Run Depth: 398.60 psig @ 4194.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.27 End Date: 2013.08.27

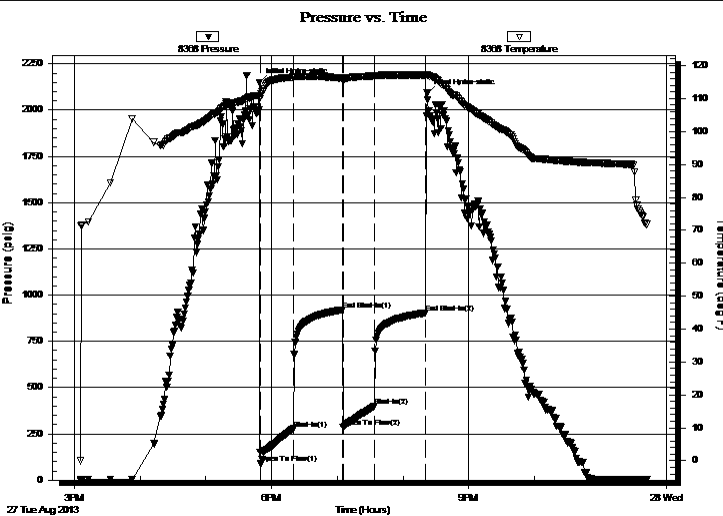
Last Calib.: 2013.08.27

Start Time: 15:05:40 End Time: 23:42:40

Time On Btm: 2013.08.27 @ 17:49:10

Time Off Btm: 2013.08.27 @ 20:21:55

**TEST COMMENT:** B.O.B. in 5 1/2 min  
5" return blow (rig over rotated tool 3 rounds on shut in )  
5" @ open B.O.B. in 6 min.  
Weak Surface return, died in 40 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.99	110.99	Initial Hydro-static
1	88.66	110.69	Open To Flow (1)
31	277.70	116.49	Shut-In(1)
76	920.26	116.17	End Shut-In(1)
76	287.04	115.85	Open To Flow (2)
105	398.60	116.89	Shut-In(2)
152	903.41	117.07	End Shut-In(2)
153	2091.85	117.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	s m c g o 10m 20g 70o	0.89
790.00	c g o 20g 80o	10.51
0.00	260' gas in pipe	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co  
10500 E Berkeley SQ PKWY  
Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Garden City B Twin #5**  
**5-22s-33w Finney,KS**  
Job Ticket: 52845      **DST#: 1**  
Test Start: 2013.08.27 @ 15:05:40

**Tool Information**

Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 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: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4193.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4166.00	
Shut In Tool	5.00			4171.00	
Hydraulic tool	5.00			4176.00	
Jars	5.00			4181.00	
Safety Joint	3.00			4184.00	
Packer	5.00			4189.00	28.00      Bottom Of Top Packer
Packer	4.00			4193.00	
Stubb	1.00			4194.00	
Recorder	0.00	6667	Inside	4194.00	
Recorder	0.00	8368	Outside	4194.00	
Perforations	7.00			4201.00	
Bullnose	5.00			4206.00	13.00      Bottom Packers & Anchor

**Total Tool Length: 41.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co  
10500 E Berkeley SQ PKWY  
Ste 100  
Wichita, KS 67206  
ATTN: Kitt Noah

**Garden City B Twin #5**  
**5-22s-33w Finney,KS**  
Job Ticket: 52845      **DST#: 1**  
Test Start: 2013.08.27 @ 15:05:40

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	s m c g o 10m 20g 70o	0.885
790.00	c g o 20g 80o	10.508
0.00	260' gas in pipe	0.000

Total Length: 970.00 ft      Total Volume: 11.393 bbl

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

Laboratory Name:      Laboratory Location:

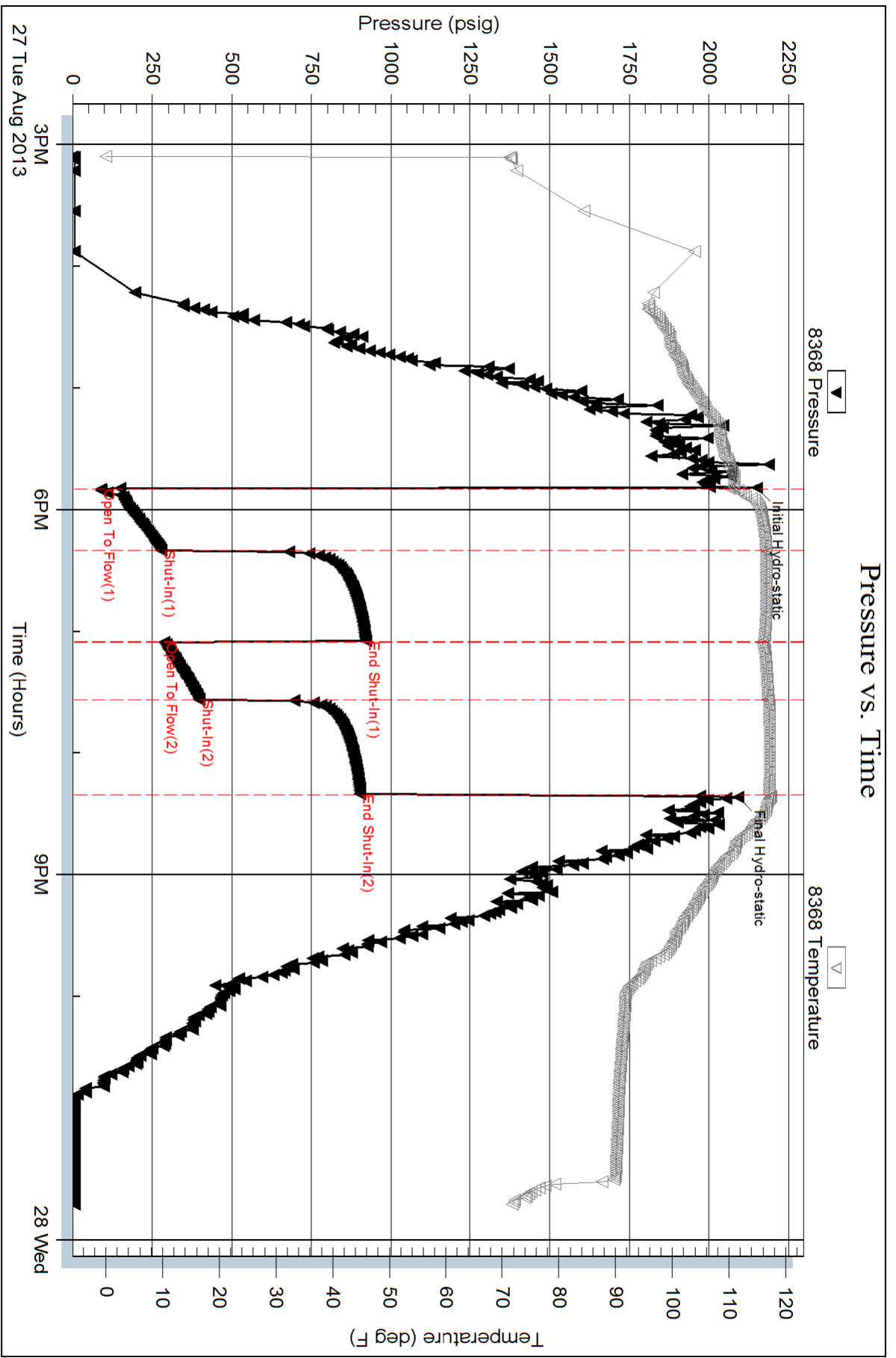
Recovery Comments:

Serial #: 8368

Outside Hartman Oil Co

5-22s-33w Finney,KS

DST Test Number: 1



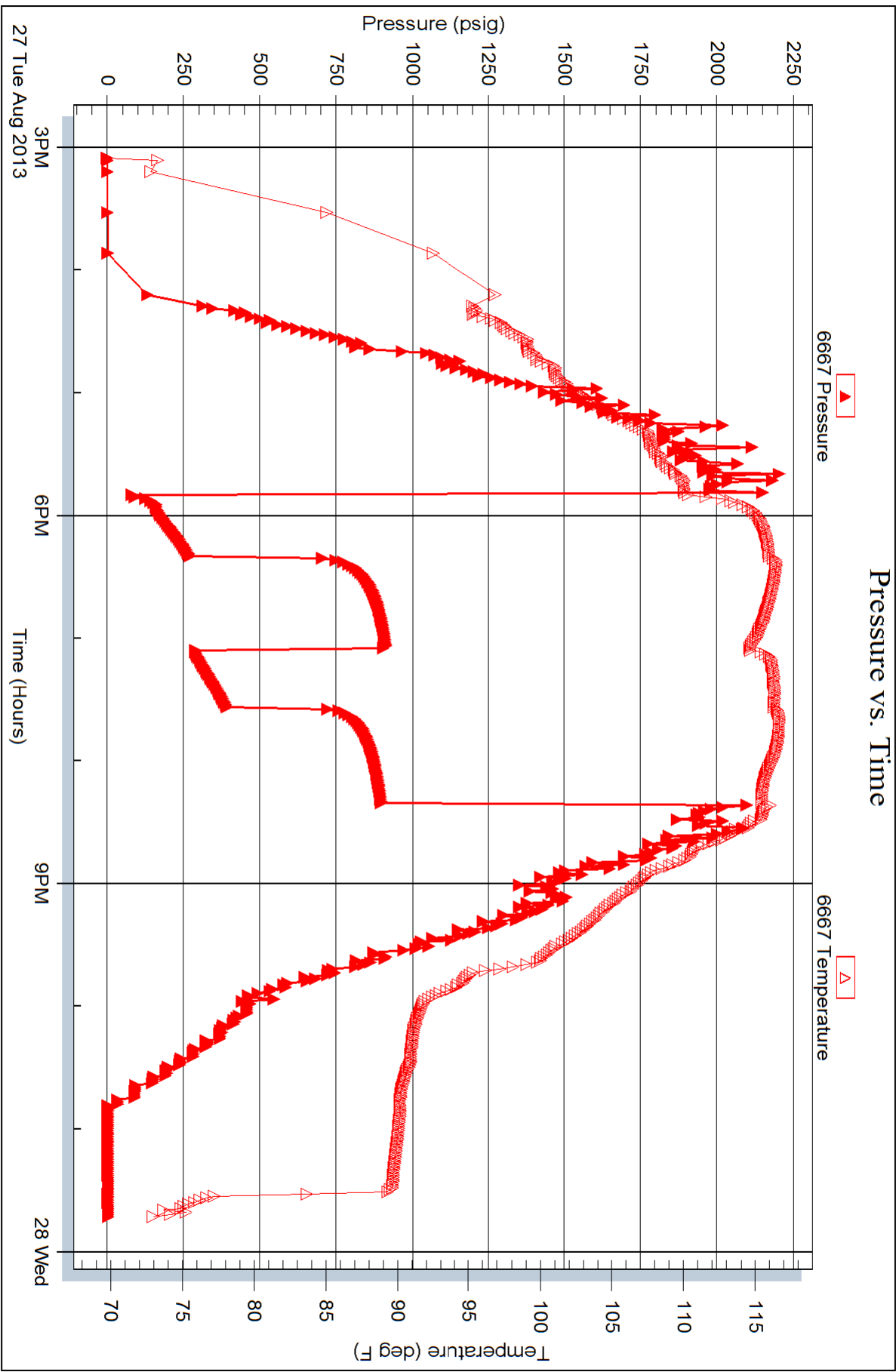
Serial #: 6667

Inside

Hartman Oil Co

5-22s-33w Finney, KS

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52845

Well Name & No. Carden City B Twp #5 Test No. #1 Date 8/27/13  
 Company Hartman Oil Co. Elevation 2900 KB 2890 GL  
 Address 10500 S. Boulder, P.O. Box 100, Wichita, KS 67206  
 Co. Rep / Geo. R. H. Noah Rig #2 #4  
 Location: Sec. 5 Twp. 225 Rge. 33w Co. Finney State Ks

Interval Tested 4193 4206 Zone Tested Upr L.  
 Anchor Length 13 Drill Pipe Run 3953 Mud Wt. 9.1  
 Top Packer Depth 4188 Drill Collars Run 243' Vis 58  
 Bottom Packer Depth 4193 Wt. Pipe Run --- WL 8.0  
 Total Depth 4206 Chlorides 1900 ppm System LCM #6

Blow Description B.O.B. in 5 1/2 min  
5" in return (rig over rotated shut-in by 3 rounds)  
5" @ open burst to B.O.B. in 6 min  
Weak surface return in 10 min dried in 40 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>790</u>	<u>Co</u>	<u>20</u>	<u>80</u>		
<u>180</u>	<u>Shago</u>	<u>20</u>	<u>70</u>		<u>10</u>
	<u>260' Gas in pipe</u>				

Rec Total 970' BHT 117° Gravity 29 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2149</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>13:15</u>
(B) First Initial Flow <u>88</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:00</u>
(C) First Final Flow <u>277</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:45</u>
(D) Initial Shut-In <u>920</u>	<input checked="" type="checkbox"/> Circ Sub <u>n/k</u>	T-Pulled <u>20:15</u>
(E) Second Initial Flow <u>287</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:55</u>
(F) Second Final Flow <u>398</u>	<input checked="" type="checkbox"/> Mileage <u>55PT</u> 85.25	Comments
(G) Final Shut-In <u>903</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2091</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 45

Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility 150

Sub Total 1810.25

Total 1810.25  
 MP/DST Disc't

Approved By R. H. Noah Our Representative [Signature]

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.





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 138193  
Invoice Date: Aug 22, 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	60574	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 22, 2013	9/21/13

Quantity	Item	Description	Unit Price	Amount
215.00	CEMENT MATERIALS	Garden City 5B Twin Class A Common <i>84001</i>	17.90	3,848.50
4.00	CEMENT MATERIALS	Gel	23.40	93.60
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
232.40	CEMENT SERVICE	Cubic Feet	2.48	576.35
795.00	CEMENT SERVICE	Ton Mileage	2.60	2,067.00
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
3.00	CEMENT SERVICE	Waiting on Location	440.00	1,320.00
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Charles Kinyon		
1.00	EQUIPMENT OPERATOR	Kevin Eddy		
1.00	EQUIPMENT OPERATOR	Daniel Casper		

**NEW WELL DRILLED**

*Dr. Mubert*  
**9-3-13**

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

\$ 2,817.67

ONLY IF PAID ON OR BEFORE  
Sep 16, 2013

Subtotal	10,837.20
Sales Tax	325.15
Total Invoice Amount	11,162.35
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,162.35</b>

# ALLIED OIL & GAS SERVICES, LLC 060574

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Great Bend KS

DATE <u>8-22-13</u>	SEC. <u>5</u>	TWP. <u>22</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00</u>	JOB FINISH <u>7:00 PM</u>
LEASES <u>ARCO</u> CITY	WELL # <u>50 Twin</u>		LOCATION <u>SCOTT CITY 5 TO TENNIS RD</u>		COUNTY <u>Finner</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)			<u>4W 1/4 N 1/4 W 5 INTO</u>				

CONTRACTOR H2 Drilling Rig #4  
 TYPE OF JOB SURFACE  
 HOLE SIZE 12 1/4 T.D.  
 CASING SIZE 8 5/8 DEPTH 336.3  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 FT  
 PERFS.  
 DISPLACEMENT 20.46 BBLS FRESH WATER

OWNER  
 CEMENT  
 AMOUNT ORDERED 215 CLASS A 3% CC  
2 1/2 GEL

EQUIPMENT  
Dustin Chambers  
 PUMP TRUCK CEMENTER Charles Kinton  
 # 366 HELPER Kevin EDDX  
 BULK TRUCK  
 # 609-112 DRIVER Dan Casper  
 BULK TRUCK  
 # DRIVER

COMMON	<u>215</u>	@ <u>17.90</u>	<u>3,848.50</u>
POZMIX		@	
GEL	<u>4</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>8</u>	@ <u>64.00</u>	<u>512.00</u>
ASC		@	
HANDLING	<u>232.4</u>	@ <u>2.48</u>	<u>576.35</u>
MILEAGE	<u>10.60 x 75 x</u>	<u>2.60</u>	<u>2067.00</u>
			TOTAL <u>7,097.45</u>

REMARKS:  
BREAK Circulation Rig Mas  
5 BBLS FRESH WATER Head  
Mix 215 SKS class A 3% CC 2 1/2 GEL  
Displace 20.46 BBLS SHUT IN  
Cement 010 circulate  
Plug Down Rig DOWN  
3hr wait time

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE		<u>1512.35</u>	
EXTRA FOOTAGE	@		
MILEAGE Hvm	<u>75</u>	@ <u>7.70</u>	<u>577.50</u>
MANIFOLD	@		
<u>3 hour wait time</u>	@	<u>440.00</u>	<u>1320.00</u>
<u>lum</u>	<u>75</u>	@ <u>4.40</u>	<u>330.00</u>
			TOTAL <u>3,739.75</u>

CHARGE TO: HARTMAN OIL COMPANY  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
			TOTAL _____

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.

\*PRINTED NAME Gary Axtell  
 \*SIGNATURE Mary Axel  
Thank you

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 10,837.35  
 DISCOUNT 2,817.67 IF PAID IN 30 DAYS  
8,019.52

PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 138287  
Invoice Date: Aug 31, 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	61258	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 31, 2013	9/30/13

Quantity	Item	Description	Unit Price	Amount
		Garden City B Trust #5 <b>84001</b>		
275.00	CEMENT MATERIALS	Class A Common	17.90	4,922.50
5.00	CEMENT MATERIALS	Gel	23.40	117.00
50.00	CEMENT MATERIALS	ALW	15.95	797.50
28.00	CEMENT MATERIALS	Salt	26.35	737.80
250.00	CEMENT MATERIALS	Gilsonite	0.98	245.00
363.71	CEMENT SERVICE	Cubic Feet	2.48	902.02
1,223.85	CEMENT SERVICE	Ton Mileage	2.60	3,182.01
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.26	5,335.26
10.00	EQUIPMENT SALES	5-1/2 Centralizer	57.33	573.30
2.00	EQUIPMENT SALES	5-1/2 Basket	394.29	788.58
1.00	EQUIPMENT SALES	5-1/2 Latch Down Assembly	324.09	324.09
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	408.33	408.33
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	OPERATOR ASSISTANT	Ernesto Smith		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

**NEW WELL  
DRILLED**

Subtotal	22,281.64
Sales Tax	1,040.20
Total Invoice Amount	23,321.84
Payment/Credit Applied	
<b>TOTAL</b>	<b>23,321.84</b>

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

\$ 5,793.01

ONLY IF PAID ON OR BEFORE  
Sep 25, 2013

*A. V. Mitchell*  
9-10-13

# ALLIED OIL & GAS SERVICES, LLC 061258

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

*Dealey Ky*

DATE <u>8/21/13</u>	SEC. <u>3</u>	TWP. <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 pm</u>	JOB FINISH <u>8:00 pm</u>
LEASE <u>Gard City B</u>	WELL # <u>#5</u>	LOCATION <u>Tennis 4 W 1/2 N W 51220</u>			COUNTY <u>Floyd</u>	STATE <u>KY</u>	
OLD OR NEW (Circle one)							

CONTRACTOR HJ OWNER Sum

TYPE OF JOB Production Bottom

HOLE SIZE 2 7/8 T.D. 4821' CEMENT

CASING SIZE 5 1/2 DEPTH 4818' AMOUNT ORDERED 50SK Lite 5" Gilsonite

TUBING SIZE DEPTH 275SK Con 1070 Silt 270gal

DRILL PIPE DEPTH

TOOL BU DEPTH 2691'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 15'

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT H 0.50 bbl Reg Ann 65 bbl

**EQUIPMENT**

PUMP TRUCK CEMENTER Alan Ryan

# 372 HELPER Wayne McGinstry

BULK TRUCK

# 484 DRIVER Ernie Smith-Libual

BULK TRUCK

# 386 DRIVER Kevin Ryan

SWO ALX (two)

**REMARKS:**

*Run Log, Cement, mix ALW, fill w/ 275SK Con 1070 Silt 270gal  
Working depth of 50 bbl Reg Ann, All by hand w/  
1000 PSI GEL, Cement Plug @ 2100. Float Head  
Open Tool 800 PSI, Circulate w/ Rig  
Lost Circulation 2 1/4 hr into Circulation  
@ 6:15 AM*

COMMON 275 SK @ 17.90 4922.50

POZMIX @

GEL 5 SK @ 23.40 117.00

CHLORIDE @

~~ALW~~ 50 SK @ 15.95 797.50

Silt 28 SK @ 26.35 737.80

Gilsonite 250 lb @ .98 245.00

HANDLING 363.716 CF @ .48 174.18

MILEAGE 16.318 @ 20.00 326.36

TOTAL 10913.00

**SERVICE**

DEPTH OF JOB 4818'

BUMP TRUCK CHARGE 2765.00

EXTRA FOOTAGE @

MILEAGE 75 @ 7.20 540.00

MANIFOLD Hand @ 2.75 206.25

Lite Service 75 @ 4.40 330.00

TOTAL 3948.25

**PLUG & FLOAT EQUIPMENT**

OV @ 5335.00 5335.00

Control Lines @ 57.33 573.30

Assemblies @ 294.00 294.00

Latex Pump Assembly @ 324.00 324.00

APU Plant Show @ 408.00 408.00

TOTAL 2429.30

CHARGE TO: Hartman Oil  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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.

PRINTED NAME Gary Artell

SIGNATURE Gary Artell

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 22280.84

DISCOUNT 5,793.01 IF PAID IN 30 DAYS

16,487.83 Net





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 138288  
Invoice Date: Aug 31, 2013  
Page: 1

<b>Bill To:</b>
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	61259	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 31, 2013	9/30/13

Quantity	Item	Description	Unit Price	Amount
		Garden City Twin B #5 <i>84001</i>		
70.00	CEMENT MATERIALS	Class A Common	17.90	1,253.00
500.00	CEMENT MATERIALS	ALW	15.95	7,975.00
125.00	CEMENT MATERIALS	Flo Seal	2.97	371.25
632.77	CEMENT SERVICE	Cubic Feet	2.48	1,569.22
1,991.49	CEMENT SERVICE	Ton Mileage	2.60	5,177.89
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
75.00	CEMENT SERVICE	Pump Truck Mileage -- No Charge		
1.00	CEMENT SERVICE	Manifold Rental -- No Charge		
75.00	CEMENT SERVICE	Light Vehicle Mileage -- No Charge		
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

**NEW WELL  
DRILLED**

Subtotal	18,752.61
Sales Tax	700.75
Total Invoice Amount	19,453.36
Payment/Credit Applied	
<b>TOTAL</b>	<b>19,453.36</b>

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

\$ 4,875.67

ONLY IF PAID ON OR BEFORE  
Sep 25, 2013

*A. V. Mitchell*  
9-10-13

# ALLIED OIL & GAS SERVICES, LLC 061259

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
*Dakley, TX*

DATE <i>8/31/13</i>	SEC <i>5</i>	TWP. <i>22</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION	JOB START <i>6:30 AM</i>	JOB FINISH <i>8:00 AM</i>
LEASE # <i>88</i>	WELL # <i>5</i>	LOCATION <i>Tennis 4W 1/2 N W 5 S 20</i>			COUNTY <i>Finneg</i>	STATE <i>TX</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H2*

TYPE OF JOB *Prod. Top Stage*

HOLE SIZE *7 7/8* I.D.

CASING SIZE *5 1/2* DEPTH *4818'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL *DV* DEPTH *2691*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *15'*

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT

OWNER *Same*

CEMENT AMOUNT ORDERED *ALW 1/4 Flo Seal*

COMMON <i>20 SK</i>	@ <i>1290</i>	<i>1253</i>
POZMIX	@	
GEL	@	
CHLORIDE	@	
<i>ALW 500</i>	@ <i>15.95</i>	<i>7975</i>
<i>Flo Seal 125 16</i>	@ <i>2.92</i>	<i>371.25</i>
HANDLING <i>612.72 CP</i>	@ <i>2.48</i>	<i>1569.22</i>
MILEAGE <i>26.553 miles</i>	@ <i>20.00</i>	<i>531.06</i>
<b>TOTAL</b>		<b><i>16346.36</i></b>

**EQUIPMENT**

PUMP TRUCK CEMENTER *Alan Ryan*

# *372* HELPER *Wayne McAlghy*

BULK TRUCK DRIVER *Kevin Ryan*

# *386*

BULK TRUCK DRIVER *Alex (TWS)*

# *566*

**REMARKS:**

*mix 20SK AH, 75SK MH, mix 455SK ALW 1/4 Flo  
Tall w/ 20 Com. Wash Truck. Displace  
Mud to tool w/ 64" ALW. Pul 500 PSI  
LIFT, Land Plug @ 2000 PSI, Tool  
Closed, Circulation Returned Last  
500 Displacement, Tool Closed  
Cement did NOT Circulate*

**SERVICE**

DEPTH OF JOB

PUMP TRUCK CHARGE *Top Stage* *2406.25*

EXTRA FOOTAGE @

MILEAGE *26.553* @ *20* *n/c*

MANIFOLD *Head* @ *235* *n/c*

*Ce Vehicle* @ *4.92* *n/c*

CHARGE TO: *Hartman O.I.*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**TOTAL *2406.25***

**PLUG & FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

**TOTAL \_\_\_\_\_**

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.

PRINTED NAME *Gary Axtell*

SIGNATURE *Gary Axtell*

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES *18,752.61*

DISCOUNT *4,875.67* IF PAID IN 30 DAYS

***13,876.93 Net.***

PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 138585  
Invoice Date: Sep 9, 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	61296	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-05	Oakley	Sep 9, 2013	10/9/13

Quantity	Item	Description	Unit Price	Amount
50.00	CEMENT MATERIALS	Garden City B Twin #5 <b>84001</b> Class A Common	17.90	895.00
2.00	CEMENT MATERIALS	Chloride	64.00	128.00
135.00	CEMENT MATERIALS	Light Weight Type 2	15.95	2,153.25
33.00	CEMENT MATERIALS	Flo Seal	2.97	98.01
190.04	CEMENT SERVICE	Cubic Feet	2.48	471.30
609.00	CEMENT SERVICE	Ton Mileage	2.60	1,583.40
1.00	CEMENT SERVICE	Casing Squeeze	2,058.50	2,058.50
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	OPERATOR ASSISTANT	Kevin Ryan		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		
<b>NEW WELL COMPLETION</b>				

Subtotal	8,294.96
Sales Tax	239.02
Total Invoice Amount	8,533.98
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,533.98</b>

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

\$ 2,156.68

ONLY IF PAID ON OR BEFORE  
Oct 4, 2013

*A. V. Mitchell*

# ALLIED OIL & GAS SERVICES, LLC 061296

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley KS

DATE <u>9/9/13</u>	SEC. <u>5</u>	TWP. <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>4:00</u>	JOB START <u>5:00 p.m.</u>	JOB FINISH <u>5:30 p.m.</u>
LEASE <u>B twin</u>	WELL # <u>5</u>	LOCATION <u>Tenns 4w 1/2 NW + S into</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Hartman</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Casing Squeeze</u>	
HOLE SIZE <u>7 7/8</u> T.D.	CEMENT
CASING SIZE <u>5 1/2</u> DEPTH <u>1000'</u>	AMOUNT ORDERED <u>250 sks 60/40 8% gel</u>
TUBING SIZE DEPTH	<u>1/4" Flo seal</u>
DRILL PIPE DEPTH	<u>50 sks Com 3% CC</u>
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>55 sks @ 17.90 895.00</u>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>50'</u>	GEL @
PERFS.	CHLORIDE <u>2 sks @ 4.00 178.00</u>
DISPLACEMENT <u>22.5 bbl</u>	ASC @

EQUIPMENT	<u>55 Allied lightweight type 2 @ 15.95 2153.25</u>
	<u>Flo-seal 33" @ 2.97 98.01</u>
PUMP TRUCK CEMENTER <u>Paul Bower/Kelly Galt</u>	
# <u>423/281</u> HELPER <u>Kevin Ryan/Tyler Flipse</u>	
BULK TRUCK	
# <u>347</u> DRIVER <u>Tyler Flipse</u>	
BULK TRUCK	
# <u>396/306</u> DRIVER <u>Brandon Wilkinson</u>	
HANDLING <u>190.64 ft<sup>3</sup></u>	@ <u>2.48 471.30</u>
MILEAGE <u>6.12 tons x 25</u>	x <u>2.60 1583.40</u>
	TOTAL <u>5328.96</u>

REMARKS:  
mix 135 sks Allied Light w/ 1/4" Flo  
mix 50 sks Com 3% CC  
Displace with water  
left 50' in casing

Thank you!

SERVICE	
DEPTH OF JOB	<u>1000'</u>
PUMP TRUCK CHARGE	<u>2058.50</u>
EXTRA FOOTAGE	@
MILEAGE MINU <u>75</u>	@ <u>7.70 577.50</u>
MANIFOLD	@
MILV <u>75</u>	@ <u>4.40 330.00</u>
	@

CHARGE TO: Hartman Oil

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2966.00

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.

PLUG & FLOAT EQUIPMENT	
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL \_\_\_\_\_

PRINTED NAME S.T. Mitchell

SIGNATURE S.T. Mitchell

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES 8,294.96

DISCOUNT 2,156.68 IF PAID IN 30 DAYS

6,138.27 Net.

PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 138574

Invoice Date: Sep 13, 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	61203	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-05	Oakley	Sep 13, 2013	10/13/13

Quantity	Item	Description	Unit Price	Amount
350.00	CEMENT MATERIALS	Garden City B Twin #5 Class A Common	17.90	6,265.00
5.00	CEMENT MATERIALS	Gel	23.40	117.00
11.00	CEMENT MATERIALS	Chloride	64.00	704.00
373.63	CEMENT SERVICE	Cubic Feet	2.48	926.60
1,284.90	CEMENT SERVICE	Ton Mileage	2.60	3,340.74
1.00	CEMENT SERVICE	Squeeze	2,158.75	2,158.75
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
1.00	CEMENT SERVICE	Squeeze Manifold Rental	275.00	275.00
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	OPERATOR ASSISTANT	David Scariano		

**NEW WELL  
COMPLETION**

Subtotal	14,694.59
Sales Tax	517.28
Total Invoice Amount	15,211.87
Payment/Credit Applied	
<b>TOTAL</b>	<b>15,211.87</b>

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

\$ 11,352.84

ONLY IF PAID ON OR BEFORE  
Oct 8, 2013

*Dr. M. M. M. M.*  
9-23-13



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/>

Shari Feist Albrecht, Chair  
Thomas E. Wright, Commissioner  
Jay Scott Emler, Commissioner

Sam Brownback, Governor

February 03, 2014

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

Re: ACO-1  
API 15-055-22234-00-00  
Garden City B Twin 5  
SE/4 Sec.05-22S-33W  
Finney County, Kansas

Dear Stan Mitchell:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 8/21/2013 and the ACO-1 was received on January 24, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department