

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL
6/3/12

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 # 8914
Name: H & C Oil Operating, Inc.
Address 1: P.O. Box 86
Address 2: _____
City: Plainville State: KS Zip: 67663 + _____
Contact Person: Charles R. Ramsay
Phone: (785) 434-7434
CONTRACTOR: License # 33493
Name: American Eagle Drilling
Wellsite Geologist: Marc Downing
Purchaser: _____

RECEIVED
JUN 08 2010

KCC WICHITA

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: KCC
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 #: _____

4/22/10 4/29/10 4/29/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 065-23637-00-00
Spot Description: _____
NW SW NE SE Sec. 8 Twp. 7 S. R. 23 East West
1,750 Feet from North / South Line of Section
1,400 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: Sheryl Roberts Well #: 8-1
Field Name: J.A.B.
Producing Formation: none
Elevation: Ground: 2427 Kelly Bushing: 2432
Total Depth: 3936 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 256 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 #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Charles R Ramsay
Title: President Date: 6/3/10

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 6-3-10
- Confidential Release Date: 6-3-12
- Wireline Log Received electronically
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NJS Date: 6-14-10
PA

CONFIDENTIAL

Side Two

Operator Name: H & C Oil Operating, Inc. Lease Name: Sheryl Roberts Well #: 8-1
 Sec. 8 Twp. 7 S. R. 23 East West County: Graham

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Top Anhydrite	2122	+310
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Anhydrite	2155	+277
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3459	-1027
List All E. Logs Run:		Heebner	3662	-1230
Microresistivity log, dual induction log, dual compensated porosity log, borehole compensated sonic log		Toronto	3687	-1255
		LKC	3704	-1272
		BKC	3901	-1469

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
surface	12 1/4"	8 5/8"	20#	256	60/40 posmix	180	3%gel, 2% c.c.

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				

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: _____ _____
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ALLIED CEMENTING CO., L C. 041321

REMI-TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <i>4/29/10</i>	SEC. <i>8</i>	TWP. <i>7</i>	RANGE <i>23</i>	CALLED OUT	ON LOCATION	JOB START <i>3:30p.m.</i>	JOB FINISH <i>4:00p.m.</i>
LEASE: <i>Shayl Roberts</i>	WELL # <i>8.1</i>		LOCATION <i>Hill City W 240 RD 5th 160</i>		COUNTY <i>Crawford</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <u>NEW</u>			<i>1/4" EINTO</i>				

CONTRACTOR *American Eagle #3*

TYPE OF JOB *Rotary Plug*

HOLE SIZE *2 7/8* T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE *4 1/2 X-H* DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED *265 6/40 4% Gel 1/4" #10*

COMMON <i>123</i>	@ <i>13.50</i>	<i>1660.50</i>
POZMIX <i>82</i>	@ <i>7.55</i>	<i>619.10</i>
GEL <i>7</i>	@ <i>20.25</i>	<i>141.75</i>
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
<i>Fl. Sol. 51</i>	@ <i>3.45</i>	<i>124.95</i>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <i>102</i>	@ <i>2.25</i>	<i>229.50</i>
MILEAGE <i>10 1/2 mile</i>		<i>459.00</i>
TOTAL		<i>3234.50</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Craig*

398 HELPER *Paul*

BULK TRUCK _____

410 DRIVER *Ron*

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

<i>1 1/2" Plug</i>	<i>2135</i>	<i>255K</i>
<i>2 1/2" Plug</i>	<i>330</i>	<i>100SK</i>
<i>3 1/2" Plug</i>	<i>305</i>	<i>110SK</i>
<i>4 1/2"</i>	<i>40</i>	<i>16SK</i>

Rathole 30SK

Thanks!

CHARGE TO: *H&C*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ *990.00*

EXTRA FOOTAGE _____ @ _____

MILEAGE *45* @ *7.00* *315.00*

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL *1305.00*

PLUG & FLOAT EQUIPMENT

5 1/8" wooden Plug @ _____ *N-C*

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL *N-C*

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 *3234.50*

DISCOUNT *300.00* IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE *Bradford Parker*

CONFIDENTIAL

JUN 08 2010

KCC

RECEIVED

JUN 08 2010

KCC WICHITA

CONFIDENTIAL

ALLIED CEMENTING CO., L.C. 038827

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley

DATE: <i>4/22/10</i>	SEC: <i>8</i>	TWP: <i>7</i>	RANGE: <i>23</i>	CALLED OUT	ON LOCATION: <i>4:00 pm</i>	JOB START: <i>4:30 pm</i>	JOB FINISH: <i>9:00 pm</i>
LEASER: <i>Sheeryl Roberts</i>	WELL #: <i>8-1</i>	LOCATION: <i>Hill City W70 240 N70</i>			COUNTY: <i>Greehan</i>	STATE: <i>KS</i>	
OLD OR NEW (Circle one)		V. Rd. L W 70 230 1 1/2 N E into					

CONTRACTOR: <i>American Energy</i>	OWNER: <i>Same</i>	
TYPE OF JOB: <i>Spartan</i>		
HOLE SIZE: <i>12 1/4</i>	T.D.: <i>262</i>	CEMENT: <i>180 SKS</i>
CASING SIZE: <i>8 7/8</i>	DEPTH: <i>261.4</i>	AMOUNT ORDERED: <i>60/40 390 CCL 297208</i>
TUBING SIZE: _____	DEPTH: _____	
DRILL PIPE: _____	DEPTH: _____	
TOOL: _____	DEPTH: _____	
PRES. MAX: _____	MINIMUM: _____	COMMON: <i>110</i>
MEAS. LINE: _____	SHOE JOINT: _____	POZ MIX: <i>30</i>
CEMENT LEFT IN CSG: <i>15'</i>		GEL: <i>3</i>
PERFS: _____		CHLORIDE: <i>6</i>
DISPLACEMENT: <i>15.62 BBL H₂O</i>		ASC: _____

EQUIPMENT

PUMP TRUCK # <i>422</i>	CEMENTER: <i>Alan</i>
BULK TRUCK # <i>390</i>	HELPER: <i>Wayne</i>
BULK TRUCK # _____	DRIVER: <i>Terry</i>
BULK TRUCK # _____	DRIVER: _____

POZ MIX	<i>30</i>	@ <i>13.50</i>	<i>1485.00</i>
GEL	<i>3</i>	@ <i>7.55</i>	<i>52.25</i>
CHLORIDE	<i>6</i>	@ <i>20.25</i>	<i>60.25</i>
ASC	_____	@ <i>51.50</i>	<i>309.00</i>
HANDLING	<i>189</i>	@ <i>2.25</i>	<i>425.25</i>
MILEAGE <i>10.9 SK/mile</i>			<i>850.50</i>
TOTAL			<i>3659.00</i>

REMARKS:
Amount Ord. Accurate

Thank You
Alan, Wayne, Dave

CHARGE TO: *Hoo C Oil Operating*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	_____	
PUMP TRUCK CHARGE	_____	<i>261.00</i>
EXTRA FOOTAGE	_____	<i>991.00</i>
MILEAGE <i>45</i>	_____	@ <i>7.00</i> <i>315.00</i>
MANIFOLD	_____	_____
TOTAL		<i>1306.00</i>

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.

PRINTED NAME _____

SIGNATURE: *Bradford Richman*

PLUG & FLOAT EQUIPMENT

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

CONFIDENTIAL

JUN 03 2010

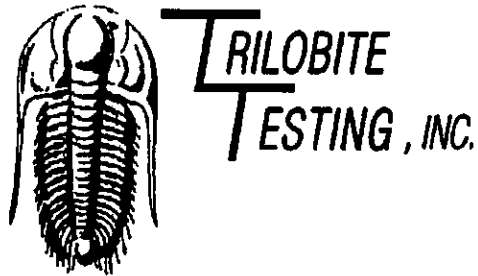
KCC

RECEIVED

JUN 08 2010

KCC WICHITA

CONFIDENTIAL



DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating, Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

8-7s-23w Graham KS

Sheryl Roberts 8-1

Start Date: 2010.04.27 @ 10:46:23

End Date: 2010.04.27 @ 16:26:47

Job Ticket #: 38169 DST #: 1

CONFIDENTIAL
JUN 08 2010
KCC

RECEIVED
JUN
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

H&C Oil Operating, Inc.

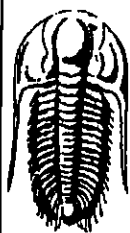
Sheryl Roberts 8-1

8-7s-23w Graham KS

DST # 1

LKC "D"

2010.04.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H&C Oil Operating, Inc.

PO Box 86
Rainville, KS 67663

ATTN: Marc Downing

Sheryl Roberts 8-1

8-7s-23w Graham KS

Job Ticket: 38169

DST#: 1

Test Start: 2010.04.27 @ 10:46:23

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:42:18

Time Test Ended: 16:26:47

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3742.00 ft (KB) To 3762.00 ft (KB) (TVD)**

Total Depth: 3762.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2432.00 ft (KB)

2427.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8647

Inside

Press@RunDepth: 12.71 psig @ 3744.00 ft (KB)

Start Date: 2010.04.27

End Date:

2010.04.27

Capacity: 8000.00 psig

Last Calib.: 2010.04.28

Start Time: 10:46:23

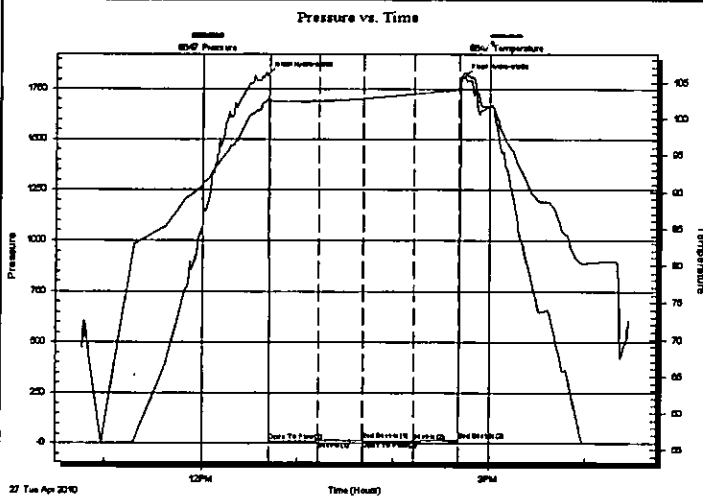
End Time:

16:26:47

Time On Btm: 2010.04.27 @ 12:40:48

Time Off Btm: 2010.04.27 @ 14:43:48

TEST COMMENT: IFP - stg. sur blow throughout
ISI - no blow back
FFP - no blow 26 min. - weak sur blow
FSI - no blow back



PRESSURE SUMMARY

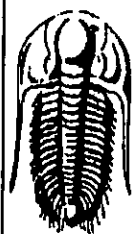
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1819.64	102.53	Initial Hydro-static
2	12.16	102.25	Open To Flow (1)
32	13.03	102.33	Shut-In(1)
60	17.15	102.70	End Shut-In(1)
61	12.29	102.70	Open To Flow (2)
92	12.71	103.32	Shut-In(2)
120	14.97	103.98	End Shut-In(2)
123	1807.93	106.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud w/ O spts M100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Operating, Inc.

Sheryl Roberts 8-1

PO Box 86
Rainville, KS 67663

8-7s-23w Graham KS

Job Ticket: 38169 **DST#: 1**

ATTN: Marc Downing

Test Start: 2010.04.27 @ 10:46:23

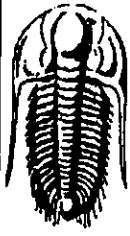
Tool Information

Drill Pipe:	Length: 3740.00 ft	Diameter: 3.80 inches	Volume: 52.46 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 52.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3742.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3727.00	
Hydraulic tool	5.00			3732.00	
Packer	5.00			3737.00	20.00 Bottom Of Top Packer
Packer	5.00			3742.00	
Stubb	1.00			3743.00	
Perforations	1.00			3744.00	
Recorder	0.00	8647	Inside	3744.00	
Recorder	0.00	8371	Outside	3744.00	
Perforations	15.00			3759.00	
Bullnose	3.00			3762.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				

RECEIVED
JUN 08 2010
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating, Inc.

Sheryl Roberts 8-1

PO Box 86
Plainville, KS 67663

8-7s-23w Graham KS

Job Ticket: 38169

DST#: 1

ATTN: Marc Downing

Test Start: 2010.04.27 @ 10:46:23

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in*

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud w/ O spts M100%	0.014

Total Length: 1.00 ft

Total Volume: 0.014 bbl

Num Fluid Samples: 0

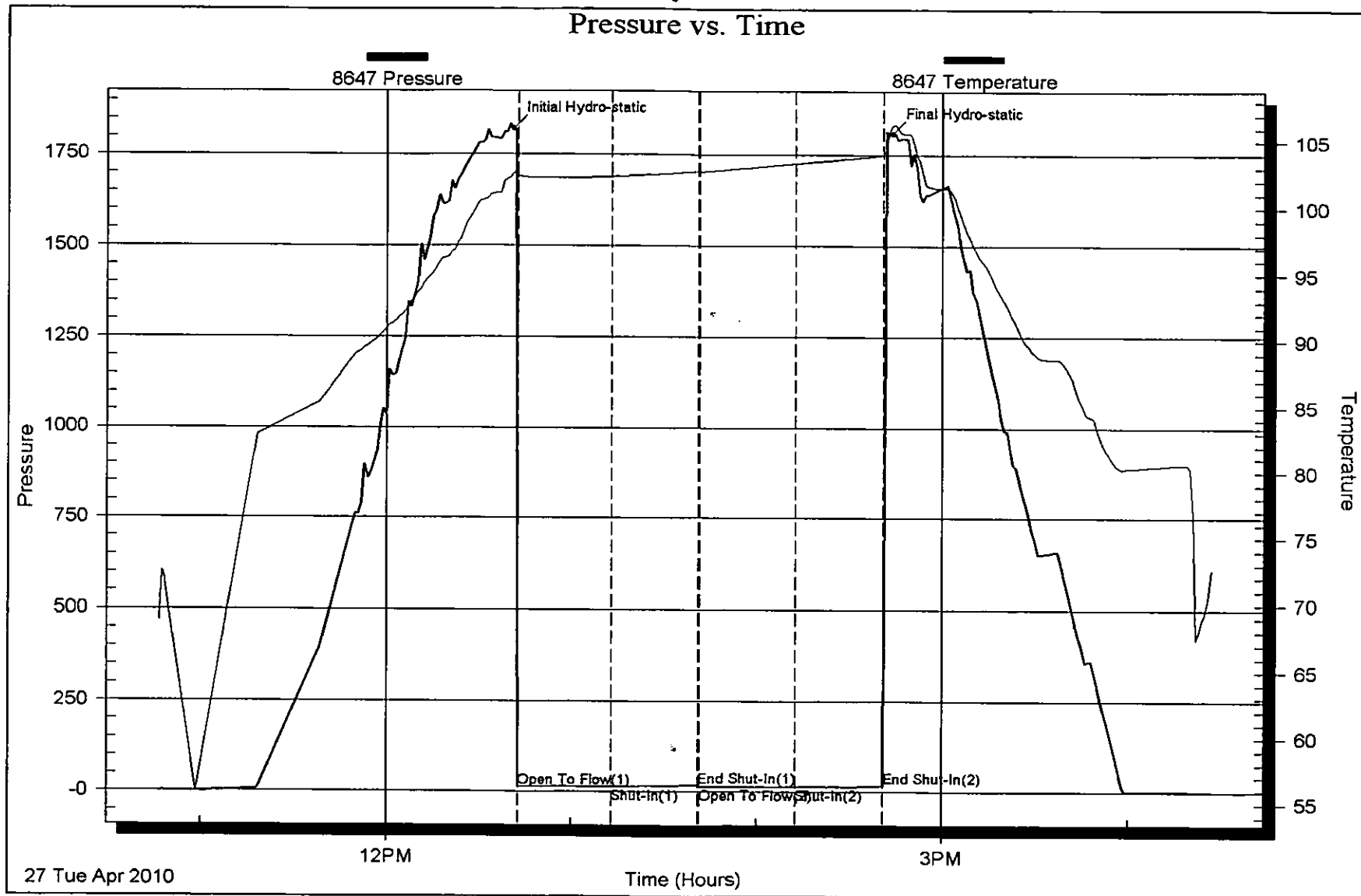
Num Gas Bombs: 0

Serial #:

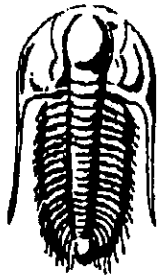
Laboratory Name:

Laboratory Location:

Recovery Comments:



RECEIVED
JUN 08 2010
KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating, Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

8-7s-23w Graham KS

Sheryl Roberts 8-1

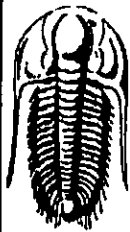
Start Date: 2010.04.28 @ 06:09:25

End Date: 2010.04.28 @ 12:05:42

Job Ticket #: 38170 DST #: 2

RECEIVED
JUN 08 2010
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H&C Oil Operating, Inc.

Sheryl Roberts 8-1

PO Box 86
Plainville, KS 67663

8-7s-23w Graham KS

Job Ticket: 38170

DST#: 2

ATTN: Marc Downing

Test Start: 2010.04.28 @ 06:09:25

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 08:29:43

Time Test Ended: 12:05:42

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3832.00 ft (KB) To 3866.00 ft (KB) (TVD)**

Reference Beavations: **2432.00 ft (KB)**

Total Depth: **3866.00 ft (KB) (TVD)**

2427.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8647

Inside

Press@RunDepth: **20.80 psig @ 3838.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.04.28**

End Date:

2010.04.28

Last Calib.: **2010.04.28**

Start Time: **06:09:25**

End Time:

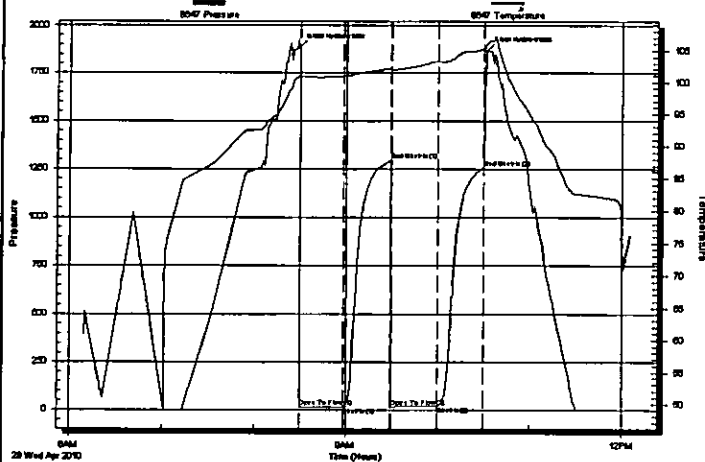
12:05:42

Time On Btm: **2010.04.28 @ 08:28:43**

Time Off Btm: **2010.04.28 @ 10:32:13**

TEST COMMENT: IFP - weak blow throughout 1/4" - 1"
ISI - no blow back
FFP - weak blow throughout sur - 1/4"
FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

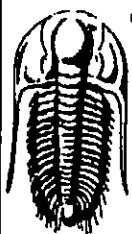
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1886.16	100.99	Initial Hydro-static
1	14.10	100.51	Open To Flow (1)
30	17.53	100.91	Shut-In (1)
61	1295.37	102.11	End Shut-In (1)
61	18.13	101.78	Open To Flow (2)
91	20.80	103.26	Shut-In (2)
122	1258.53	105.19	End Shut-In (2)
124	1872.29	106.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Operating, Inc.

Sheryl Roberts 8-1

PO Box 86
Plainville, KS 67663

8-7s-23w Graham KS

ATTN: Marc Downing

Job Ticket: 38170

DST#: 2

Test Start: 2010.04.28 @ 06:09:25

Tool Information

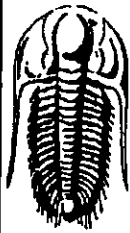
Drill Pipe:	Length: 3834.00 ft	Diameter: 3.80 inches	Volume: 53.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 53.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3832.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Loosing fluid when tool in the table. Layed down tool and tripped bit in hole to condition the hole.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3817.00	
Hydraulic tool	5.00			3822.00	
Packer	5.00			3827.00	20.00 Bottom Of Top Packer
Packer	5.00			3832.00	
Stubb	1.00			3833.00	
Perforations	5.00			3838.00	
Recorder	0.00	8647	Inside	3838.00	
Recorder	0.00	8371	Outside	3838.00	
Perforations	25.00			3863.00	
Bullnose	3.00			3866.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				

**RECEIVED
JUN 08 2010
KCC WICHITA**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating, Inc.

Sheryl Roberts 8-1

PO Box 86
Plainville, KS 67663

8-7s-23w Graham KS

Job Ticket: 38170

DST#: 2

ATTN: Marc Downing

Test Start: 2010.04.28 @ 06:09:25

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: 7.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

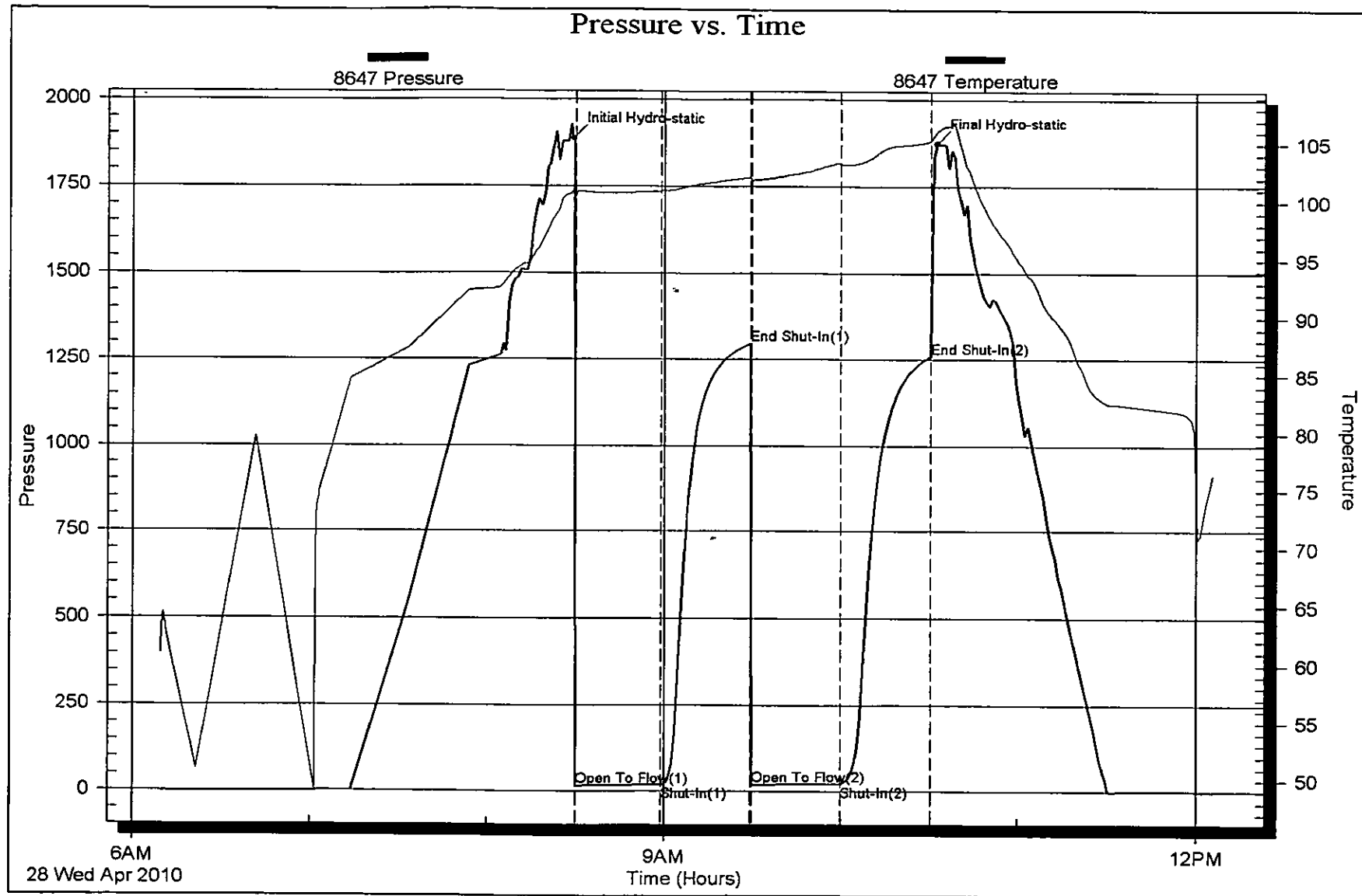
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



RECEIVED
JUN 08 2010
KCC WICHITA