

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

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 # 32204  
Name: REDLAND RESOURCES, INC.  
Address 1: 6001 NW 23RD STREET  
Address 2: \_\_\_\_\_  
City: OKLAHOMA CITY State: OK Zip: 73127 + \_\_\_\_\_  
Contact Person: ALAN THROWER  
Phone: ( 405 ) 789-7104  
CONTRACTOR: License # 5929  
Name: DUKE DRILLING  
Wellsite Geologist: MIKE POLLOK  
Purchaser: N/A

**RECEIVED**  
**JAN 10 2011**  
**KCC WICHITA**

Designate Type of Completion: **KCC WICHITA**  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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 #: \_\_\_\_\_

08/09/10	08/21/10	09/15/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20685 - 00 - 00  
Spot Description: \_\_\_\_\_  
SE NW SE Sec. 13 Twp. 25 S. R. 23  East  West  
1,567 Feet from  North /  South Line of Section  
1,626 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: FORD  
Lease Name: INDIEK Well #: 13-10  
Field Name: WILDCAT  
Producing Formation: N/A  
Elevation: Ground: 2482' Kelly Bushing: 2495'  
Total Depth: 5200' Plug Back Total Depth: 4987'  
Amount of Surface Pipe Set and Cemented at: 772 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: 5200 ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: EVAPORATION  
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: Alan Thrower  
Title: PRESIDENT Date: 1/5/11

**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: DA Dg Date: 1/18/11

Operator Name: REDLAND RESOURCES, INC. Lease Name: INDIEK Well #: 13-10  
 Sec. 13 Twp. 25 S. R. 23  East  West County: FORD

**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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>CHASE</td> <td>2543</td> <td>(+909)</td> </tr> <tr> <td>BS HEEBNER</td> <td>4048</td> <td>-1617</td> </tr> <tr> <td>STARK SH</td> <td>4424</td> <td>-1993</td> </tr> <tr> <td>CHEROKEE SH</td> <td>4679</td> <td>-2248</td> </tr> <tr> <td>MISSISSIPPIAN</td> <td>4784</td> <td>-2353</td> </tr> <tr> <td>KINDERHOOK</td> <td>5100</td> <td>-2669</td> </tr> </table>	Name	Top	Datum	CHASE	2543	(+909)	BS HEEBNER	4048	-1617	STARK SH	4424	-1993	CHEROKEE SH	4679	-2248	MISSISSIPPIAN	4784	-2353	KINDERHOOK	5100	-2669
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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
CONDUCTOR	30"	20"	48#	70'	REDIMIX	9 YDS	
SURFACE	12.25"	8.625"	24#	772'	65/35 & CLASS A	250/150	3%cc. 2% gel
PRODUCTION	7.875"	4.5"	10/5#	5007'	Class H	275	5# Kalseal, 25# Floseal, .5% FL160

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 checked="" type="checkbox"/> Plug Off Zone	4801-05	Class A/Common	100/25	3% CC

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
4	4801-4805	ACID W/1000 GAL 15% NEFE	SAME
2	4788-91, 4778-80, 4772-74, 4762-69	ACID W/6000 GAL 15% NEFE	SAME
RECEIVED JAN 10 2011 KCC WICHITA			

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" 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

<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 (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC. 042193

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

SERVICE POINT:  
*Medicine Lodge KS*

DATE <i>081010</i>	SEC. <i>13</i>	TWP. <i>25s</i>	RANGE <i>23w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <i>9:30 AM</i>
LEASE <i>Indike</i>			WELL # <i>13-10</i>	LOCATION		COUNTY <i>Ford</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)							

CONTRACTOR *Duke #9*  
 TYPE OF JOB *Surface*  
 HOLE SIZE *12 1/4* T.D. *775*  
 CASING SIZE *8 5/8* DEPTH *772*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX *700* MINIMUM *→*  
 MEAS. LINE SHOE JOINT *42*  
 CEMENT LEFT IN CSG. *42*  
 PERFS.  
 DISPLACEMENT *46 1/2 Bbls Fresh H<sub>2</sub>O*

OWNER *Redland Res.*  
 CEMENT  
 AMOUNT ORDERED *250 sx 65:35:6% gel + 3% cc + 1/4" Flocal & 150 sx Class "A" + 3% cc + 2% gel*

EQUIPMENT  
 PUMP TRUCK CEMENTER *D. Felio*  
 # *471-302* HELPER *R. Gilley*  
 BULK TRUCK  
 # *363-250* DRIVER *J. Thimerch*  
 BULK TRUCK  
 # DRIVER

COMMON	<i>A 150 sx</i>	@ <i>15 45</i>	<i>2317 50</i>
POZMIX		@	
GEL	<i>3</i>	@ <i>20 80</i>	<i>62 40</i>
CHLORIDE	<i>13 sx</i>	@ <i>58 20</i>	<i>756 60</i>
ASC		@	
	<i>ALW 250 sx</i>	@ <i>14 80</i>	<i>3700 00</i>
	<i>Flocal 62"</i>	@ <i>2.50</i>	<i>155 00</i>

RECEIVED  
 JAN 10 2011  
 KCC WICHITA  
 HANDLING *431* @ *2 40* *1034 40*  
 MILEAGE *431/.10/45* @ *7 00* *1939 50*  
 TOTAL *9965 40*

**REMARKS:**

*Pipe on Bury, Back Circ., Pump Space, Mix 250 sx  
 1/2 weight, Mix 150 sx tail, Stop Pump.  
 Release Plug, Start Disp w/ Fresh H<sub>2</sub>O,  
 Wash up on top of Plug, See Steady increase  
 in PST, Slow Rate Bury Plug, at 46K  
 Bbls total Disp, Shut in, cement did  
 Circ. 195 sx to Pit.*

**SERVICE**

DEPTH OF JOB	<i>772</i>		
PUMP TRUCK CHARGE		<i>1018 00</i>	
EXTRA FOOTAGE		@	
MILEAGE	<i>45</i>	@ <i>7 00</i>	<i>315 00</i>
MANIFOLD	<i>Head rental</i>	@	
		@	
		@	

CHARGE TO: *Redland Res.*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL *1333 00*

**PLUG & FLOAT EQUIPMENT**

1 - TRP	@	<i>113 00</i>
1 - Baffle Plate	@	<i>68 00</i>
2 - centralizers	@ <i>44 00</i>	<i>88 00</i>
1 - Basket	@	<i>332 00</i>
	@	
		TOTAL <i>602 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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES ~~\_\_\_\_\_~~  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME *DAVID HICKMAN*  
 SIGNATURE *David Hickman*

~~\_\_\_\_\_~~

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "ALLIED" shall mean Allied Cementing Co., LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "Merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate; any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or at the option of ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED and CUSTOMER agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:**

1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. CUSTOMER shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

### WARRANTIES:

1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# ALLIED CEMENTING CO., LLC. 035627

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

SERVICE POINT:  
Oakley

DATE <u>8-22-10</u>	SEC. <u>13</u>	TWP. <u>25s</u>	RANGE <u>23w</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30pm</u>	JOB FINISH <u>9:30pm</u>
LEASE <u>Indies</u>	WELL # <u>K3-10</u>	LOCATION <u>Wright SN SE 1N</u>		COUNTY <u>Waford</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)		<u>1/2E N into</u>					

CONTRACTOR Duke Drilling Rig 9

TYPE OF JOB Production

HOLE SIZE 7 7/8" T.D. 5237'

CASING SIZE 4 1/2" DEPTH 5007.76'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL Port collar DEPTH 2832.02'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20.98'

CEMENT LEFT IN CSG. 20.98'

PERFS.

DISPLACEMENT 79.28'

OWNER same

CEMENT

AMOUNT ORDERED 50 SKS @ 140 409.60 409.60 409.60

for mouse hole rat hole

225 SKS "H" ASC 5" @ 19.80 4455.00

COMMON	<u>30 SKS</u>	@	<u>15.45</u>	<u>463.50</u>
POZMIX	<u>20 SKS</u>	@	<u>8.00</u>	<u>160.00</u>
GEL	<u>2 SKS</u>	@	<u>20.80</u>	<u>41.60</u>
CHLORIDE		@		
ASC	<u>"H" 225 SKS</u>	@	<u>21.10</u>	<u>4747.50</u>
	<u>KO1-seal 1125#</u>	@	<u>0.89</u>	<u>1001.25</u>
	<u>FI-160 106#</u>	@	<u>13.30</u>	<u>1409.80</u>
	<u>Flo-seal 56#</u>	@	<u>2.50</u>	<u>140.00</u>
		@		
		@		
HANDLING	<u>315 SKS</u>	@	<u>2.40</u>	<u>756.00</u>
MILEAGE	<u>10.5 mi</u>			<u>1417.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

# 423-281 HELPER Larene Darrin

BULK TRUCK

# 356 DRIVER Jaime

BULK TRUCK

# DRIVER

REMARKS:

mix 20 SKS mouse hole

mix 30 SKS Rat hole

MIX 50 ASC @ 12 then mix 175

@ 14.5 wash pump and lines

Clean. Displace plug 300#

LIFT 1400# Land plug plug

held.

Thank you

CHARGE TO: Redlands Resources

STREET \_\_\_\_\_

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

To Allied Cementing Co., LLC.

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PRINTED NAME DAVID HICKMAN

SIGNATURE David Hickman

SERVICE

DEPTH OF JOB	<u>5007.76</u>		
PUMP TRUCK CHARGE			<u>2295.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>45 miles</u>	@	<u>7.00</u> <u>315.00</u>
MANIFOLD		@	
		@	
		@	

RECEIVED

JAN 10 2011

TOTAL 2610.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

<u>4 1/2"</u>			
<u>1 AFU Float shoe</u>	@		<u>206.00</u>
<u>1 Latch down plug Assy</u>	@		<u>144.00</u>
<u>1 Port collar</u>	@		<u>1623.00</u>
<u>6 Turbo Lizers</u>	@	<u>39.00</u>	<u>234.00</u>
	@		

TOTAL 2257.00

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

TOTAL CHARGES \_\_\_\_\_

DISCOUNT ~~\_\_\_\_\_~~ IF PAID IN 30 DAYS

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(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

### WARRANTIES:

1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

#### 2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# ALLIED CEMENTING CO., LLC. 035449

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

SERVICE POINT: Oakley, KS

DATE <u>9/2/10</u>	SEC. <u>13</u>	TWP. <u>25</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00p</u>	JOB FINISH <u>12:30p</u>
LEASE <u>Indiek</u>	WELL # <u>13-10</u>	LOCATION <u>Sperville W TO CR 123 N TO</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Alliance Well Service

TYPE OF JOB Squeeze

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE 4 1/2 DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL Retainer DEPTH 4798

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. 4801-4805

DISPLACEMENT 18 1/4 BBL H<sub>2</sub>O

OWNER Same

CEMENT

AMOUNT ORDERED 100 SKs Com 370CC

25 SKs Com

COMMON	<u>125</u>	@	<u>15.45</u>	<u>1931.25</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>3</u>	@	<u>58.00</u>	<u>174.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>178 SKs</u>	@	<u>2.40</u>	<u>307.20</u>
MILEAGE	<u>10x SK/mile</u>			<u>576.00</u>
				TOTAL <u>2989.05</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

# 360-265 HELPER Matt - M.L.

BULK TRUCK

# 386 DRIVER Brandon

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Load B-side to 1000 PST, load Tbg - Take  
note @ 4 1/4 BBL @ 800 PST, mix 100 SKs  
com 370CC Tail w/ 25 SKs Com Displace  
to 2500 PST Squeeze, string out as  
Reverse Clean.

Thank You  
Alan, Matt, Brandon

SERVICE

DEPTH OF JOB			<u>4798</u>
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>45 Miles</u>	@	<u>7.00</u> <u>315.00</u>
MANIFOLD	@		
	@		
	@		

CHARGE TO: Redlands Resources

STREET \_\_\_\_\_

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

TOTAL 1500.00

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JAN 10 2011

KCC WICHITA

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL \_\_\_\_\_

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 \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS \_\_\_\_\_

PRINTED NAME David Hickman

SIGNATURE David Hickman

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "ALLIED" shall mean Allied Cementing Co., LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "Merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or at the option of ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED and CUSTOMER agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

### —SERVICE CONDITIONS AND LIABILITIES:

1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. CUSTOMER shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

### WARRANTIES:

1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE. EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

#### 2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.





# MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

P.O. Box 106 ■ PURCELL, OKLAHOMA 73080  
OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/823-4493 ■ FAX 405/527-7629  
■ E-MAIL: mapexpl@aol.com

## GEOLOGICAL REPORT

INDIEK 13-10

SECTION 13 – T25S – R23W

FORD COUNTY, KANSAS

### INTRODUCTION

The above captioned well was drilled to a total depth of 5,200 feet on August 22, 2010. A one-man logging unit was on location from approximately 2,000 feet to TD. The well was under the geological supervision of the undersigned from approximately 4,600 feet to TD. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, Micro-log, and Sonic log. From data collected while drilling and analyzing, potential hydrocarbon shows were encountered in the Chase/Council Grove, Mississippian conglomerate, Mississippian "cap-rock" and Mississippian Dolomite. Four drill stem tests (one a failed test) were run to further evaluate the Mississippian. The decision was made to run casing and attempt completion in the Mississippian. The Chase interval should be evaluated before abandonment of the well.

### CHASE (COUNCIL GROVE)

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The top of the Chase Porosity was topped at 2,554 (-123) feet. Samples were described as light grey to grey, very fine to fine crystalline dolomite with good intercrystalline, pin-point

and vugular porosity being observed. A bright yellow mineral fluorescence with a few gas bubbles being observed was documented. An 122-unit gas kick was recorded from the gas chromatograph. Electric logs indicate a fourteen-foot zone of 18% porosity. We are still evaluating and obtaining data on this interval.

## MISSISSIPPIAN

The Mississippian conglomerate was cut at 4,763 (-2332) feet. A total of 21 feet of detrital interval was cut with samples described as off-white, cream tan, fresh, chert grading to slightly weathered chert. A light brown oil staining was observed along with a fair to good streaming cut and weak odor. Three porosity packages were encountered. The uppermost was five feet thick with a porosity value of 18%. The middle interval was two feet thick with an average porosity of 28%. The lower zone was also two feet thick with an average porosity of 24%. A drill stem test was run to further evaluate this interval, with results as follows:

DST#1 (4762 – 4802) e-log corrected 30 – 60 – 60 – 120

Recovery: 20' mud with trace of oil

Flowing pressures: 24-24/26-27

Shut-in pressures: 1068/1247

The Mississippian was tagged at 4,784 (-2353) feet. This was the "caprock" with samples described white to off-white, fine crystalline, limestone with very little show observed. A four-foot dolomite was encountered right below the "caprock". Samples were described as an off-white cream tan dolomite with some vugular and pin-point porosity being observed. Drill stem test #2 was attempted across this interval and failed. Another attempt was made with results as follows

DST#3 (4788 – 4822) e-log corrected 30 – 90 – 45 – 120

Recovery: 125' watery mud, chlorides 4500 ppm

Flowing pressures: 27-40/45-63

Shut-in pressures: 1462/1456

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Electric logs indicate the "caprock" to have two porosity zones. The upper is four feet thick with a porosity of 6%. The lower interval is eight feet thick and has a porosity of 15% cross-plot. The dolomite was four feet thick with a porosity of 22%.

The Spergen Dolomite was drilled at 4,826 (-2395) feet. Samples were described as off-white to cream tan very fine to fine crystalline sucrosic dolomite with very good vugular and pin-point porosity being observed. No sample show was observed or recorded. Drill stem test #4 was run to further evaluate the zone with results as follows:

DST #4 (4814 – 4838) e-log corrected 30 – 60 – 60 - 120

Recovery: 995' salt water, chlorides 48,000 ppm

Flowing pressures: 27-231/236-487

Shut-in pressures: 1466/1478

Electric logs indicate the zone to have a porosity ranging from 22 to 34% that calculates "wet".

**ELECTRIC LOG TOPS**

	REDLAND	ANCHOR	SPINES
	INDIEK 13-10	WARNER 1	MAGES 1
	SE NW SE	NW SE	NW SE NW
	13-T25S-R23W	10-T25S-R23W	7-T25S-R22W
STONE CORRAL	1522	1518	1560
(subsea)	(+909)	(+885)	(+886)
CHASE	2543	2509	2550
(subsea)	(-0112)	(-0106)	(-0104)
BASE HEEBNER	4048	4021	4080

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(subsea)	(-1617)	(-1618)	(-1634)
STARK SHALE	4424	4396	4453
(subsea)	(-1993)	(-1993)	(-2007)
CHEROKEE SHALE	4679	4652	4707
(subsea)	(-2248)	(-2249)	(-2261)
MISSISSIPPIAN	4784	4770	4816
(subsea)	(-2353)	(-2367)	(-2370)
KINDERHOOK	5100	NDE	NDE
(subsea)	(-2669)		

**CONCLUSION**

The Indiek 13-10 was drilled as an exploratory test for a 3-D seismic high located in the SE/4 of section 13 – T25S-R23W. From data collected, the high was encountered. A conglomerate, "caprock" and four foot dolomite were cut and should be tested through casing.

Respectfully submitted,

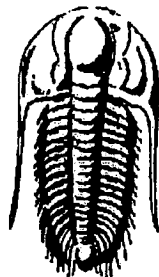


Mike Pollok

Petroleum Geologist

08/30/10

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**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Redland Resources Inc.**

6001 NW 23RD Street Oklahoma City Ok.  
73127

ATTN: Dave Pollok

**13-25s-23w Ford KS**

**INDIEK #13-10**

Start Date: 2010.08.19 @ 04:45:00

End Date: 2010.08.19 @ 13:49:10

Job Ticket #: 39343                      DST #: 1

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JAN 10 2011

KCC WICHITA

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

Redland Resources Inc.

INDIEK #13-10

13-25s-23w Ford KS

DST # 1

Miss.

2010.08.19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

ATTN: Dave Pollok

Job Ticket: 39343

DST#: 1

Test Start: 2010.08.19 @ 04:45:00

## GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:14:00

Time Test Ended: 13:49:10

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: 4770.00 ft (KB) To 4810.00 ft (KB) (TVD)

Total Depth: 4810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2423.00 ft (KB)

2410.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6772

Inside

Press@RunDepth: 26.53 psig @ 4773.00 ft (KB)

Start Date: 2010.08.19

End Date:

2010.08.19

Start Time: 04:45:05

End Time:

13:49:09

Capacity: 8000.00 psig

Last Calib.: 2010.08.19

Time On Btm: 2010.08.19 @ 07:12:20

Time Off Btm: 2010.08.19 @ 11:48:29

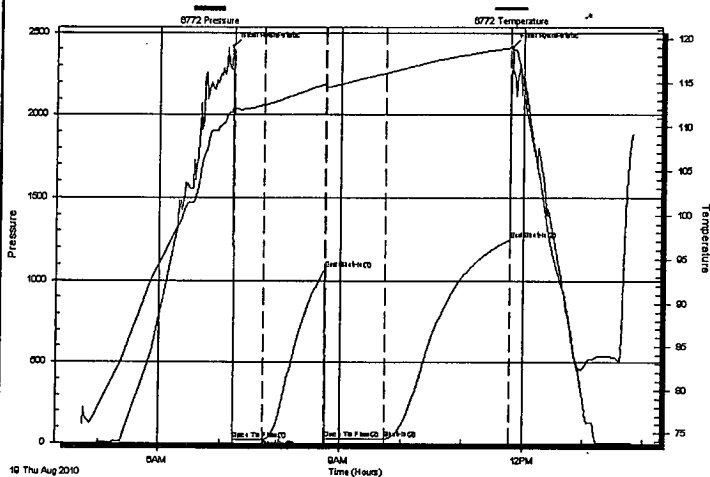
TEST COMMENT: IF- Weak surface blow, died after 17min.

IS- No blow back.

FF- No blow.

FSI- No blow back.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2415.55	111.78	Initial Hydro-static
2	23.98	112.16	Open To Flow (1)
32	23.70	112.53	Shut-In(1)
93	1068.11	114.87	End Shut-In(1)
93	26.35	114.64	Open To Flow (2)
152	26.53	116.13	Shut-In(2)
275	1246.78	119.01	End Shut-In(2)
277	2411.36	118.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% mud trace of oil	0.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 39343

**DST#: 1**

ATTN: Dave Pollok

Test Start: 2010.08.19 @ 04:45:00

## Tool Information

Drill Pipe:	Length: 4506.00 ft	Diameter: 3.80 inches	Volume: 63.21 bbl	Tool Weight:	2000.00 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: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 64.39 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4770.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	68.00 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			4743.00		
Shut In Tool	5.00			4748.00		
Hydraulic tool	5.00			4753.00		
Jars	5.00			4758.00		
Safety Joint	3.00			4761.00		
Packer	5.00			4766.00	28.00	Bottom Of Top Packer
Packer	4.00			4770.00		
Stubb	1.00			4771.00		
Perforations	2.00			4773.00		
Recorder	0.00	8355	Inside	4773.00		
Recorder	0.00	6772	Inside	4773.00		
Change Over Sub	1.00			4774.00		
Drill Pipe	31.00			4805.00		
Change Over Sub	1.00			4806.00		
Perforations	1.00			4807.00		
Bullnose	3.00			4810.00	40.00	Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>68.00</b>					



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

ATTN: Dave Pollok

Job Ticket: 39343

DST#: 1

Test Start: 2010.08.19 @ 04:45:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% mud trace of oil	0.098

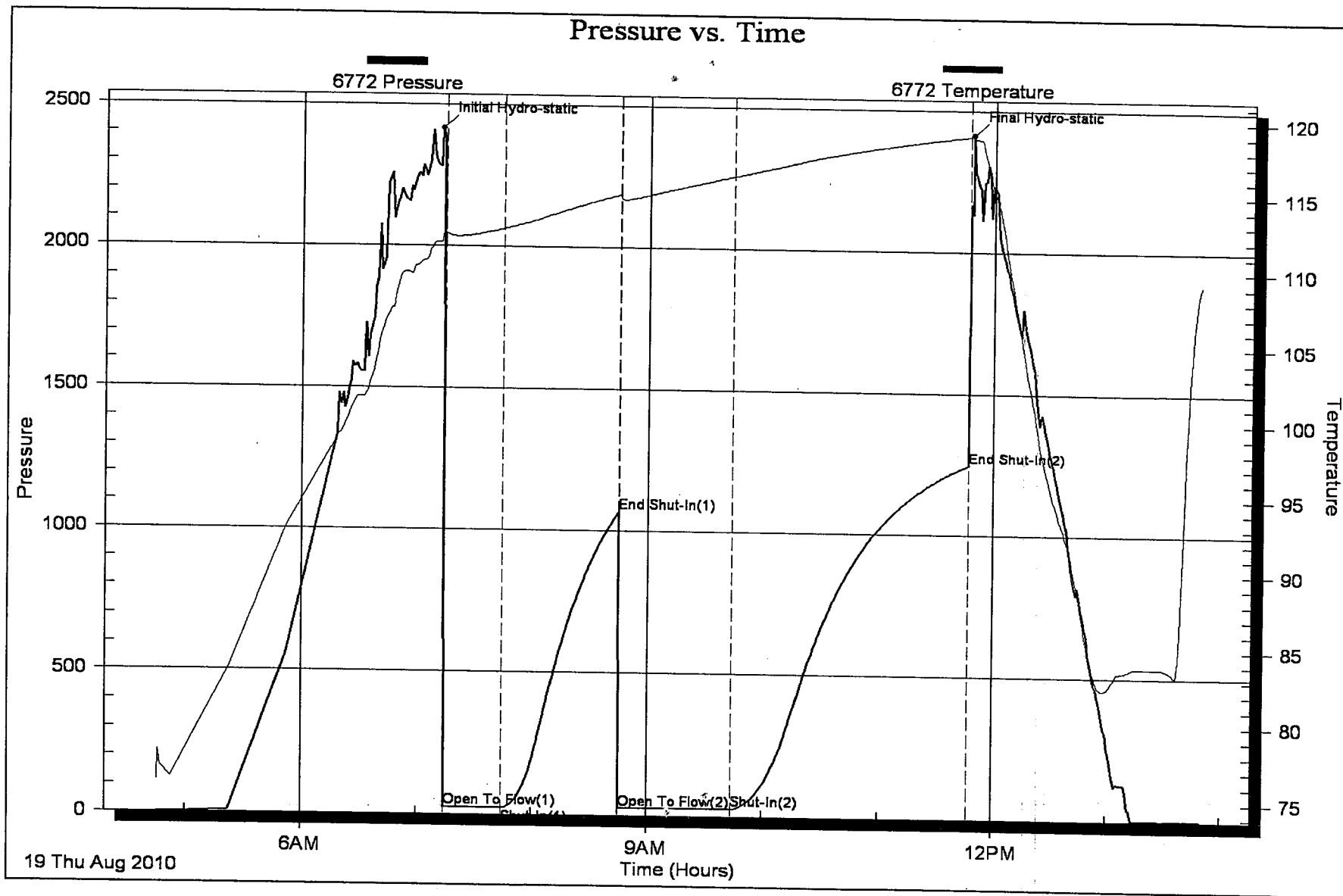
Total Length: 20.00 ft      Total Volume: 0.098 bbl

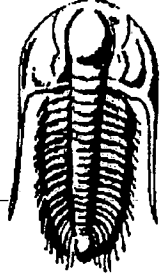
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Redland Resources Inc.**

6001 NW 23RD Street Oklahoma City Ok.  
73127

ATTN: Dave Pollok

**13-25s-23w Ford KS**

**INDIEK #13-10**

Start Date: 2010.08.19 @ 21:00:05

End Date: 2010.08.20 @ 01:41:29

Job Ticket #: 39344                      DST #: 2

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KCC WICHITA

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

Redland Resources Inc.

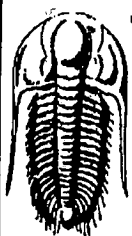
INDIEK #13-10

13-25s-23w Ford KS

DST # 2

Miss

2010.08.19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Redland Resources Inc.  
6001 NW 23RD Street Oklahoma City Ok. 73127  
ATTN: Dave Pollok

**INDIEK #13-10**  
**13-25s-23w Ford KS**  
Job Ticket: 39344      **DST#: 2**  
Test Start: 2010.08.19 @ 21:00:05

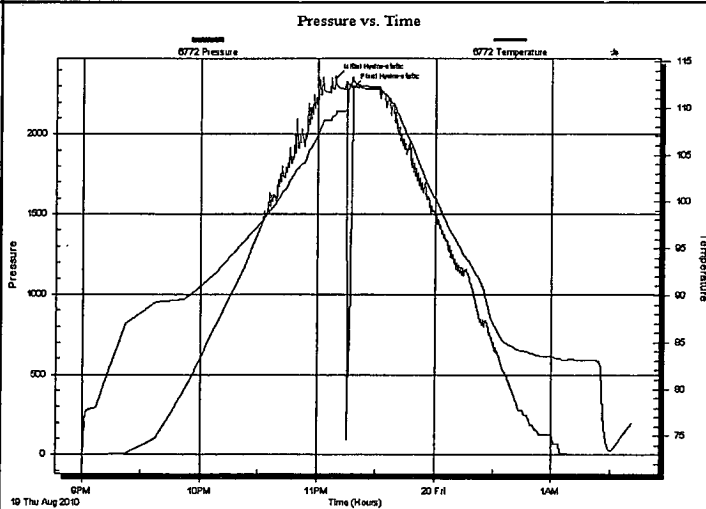
## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: **No** Whipstock:      ft (KB)  
Time Tool Opened:  
Time Test Ended: 01:41:29  
Interval: **4806.00 ft (KB) To 4830.00 ft (KB) (TVD)**  
Total Depth: **4830.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Harley Davidson**  
Unit No: **33**  
Reference Elevations: **2423.00 ft (KB)**  
**2410.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

## Serial #: 6772

Press@RunDepth:      psig @      ft (KB)      Capacity:      8000.00 psig  
Start Date:      2010.08.19      End Date:      2010.08.20      Last Calib.:      2010.08.20  
Start Time:      21:00:05      End Time:      01:41:29      Time On Btm:      2010.08.19 @ 23:09:20  
Time Off Btm:      2010.08.19 @ 23:18:00

TEST COMMENT: MISS RUN Packers did not seat.



## PRESSURE SUMMARY

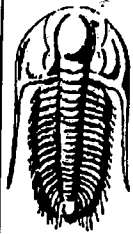
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.90	109.40	Initial Hydro-static
9	2290.10	113.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	100% mud	2.03

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 39344

**DST#: 2**

ATTN: Dave Pollok

Test Start: 2010.08.19 @ 21:00:05

### Tool Information

Drill Pipe:	Length: 4570.00 ft	Diameter: 3.80 inches	Volume: 64.11 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 65.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4806.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

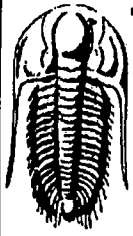
Tool Comments:

### Tool Description

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

Change Over Sub	1.00			4779.00	
Shut In Tool	5.00			4784.00	
Hydraulic tool	5.00			4789.00	
Jars	5.00			4794.00	
Safety Joint	3.00			4797.00	
Packer	5.00			4802.00	28.00 Bottom Of Top Packer
Packer	4.00			4806.00	
Stubb	1.00			4807.00	
Perforations	1.00			4808.00	
Recorder	0.00	8355	Inside	4808.00	
Recorder	0.00	6772	Inside	4808.00	
Perforations	19.00			4827.00	
Bullnose	3.00			4830.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 39344

**DST#: 2**

ATTN: Dave Pollok

Test Start: 2010.08.19 @ 21:00:05

**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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
300.00	100% mud	2.031

Total Length: 300.00 ft

Total Volume: 2.031 bbl

Num Fluid Samples: 0

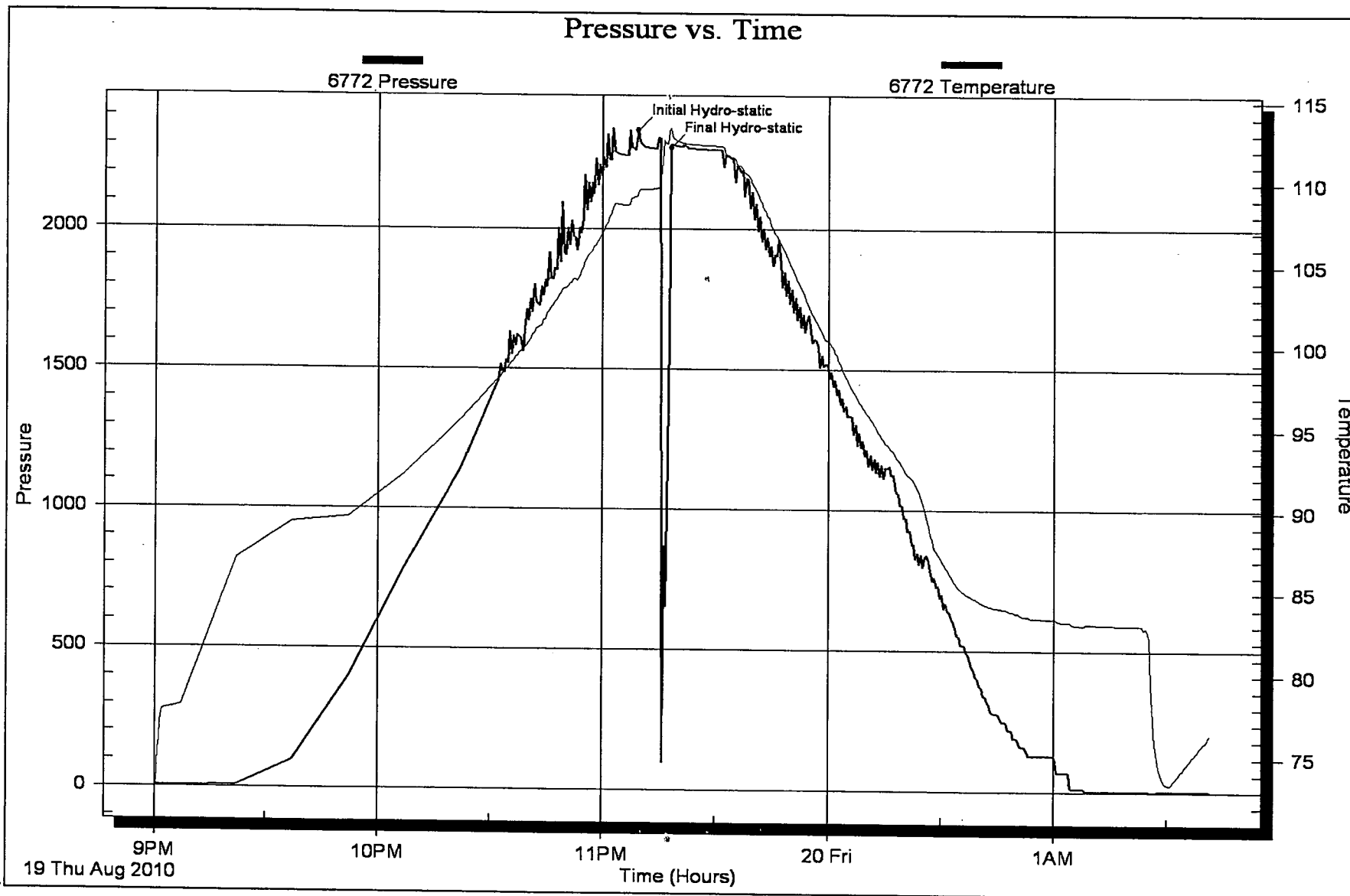
Num Gas Bombs: 0

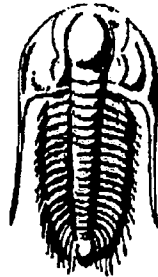
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Redland Resources Inc.**

6001 NW 23RD Street Oklahoma City Ok.  
73127

ATTN: Dave Pollok

**13-25s-23w Ford KS**

**INDIEK #13-10**

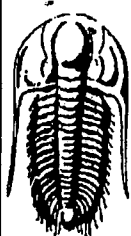
Start Date: 2010.08.20 @ 19:18:00

End Date: 2010.08.21 @ 04:52:19

Job Ticket #: 38786                      DST #: 4

RECEIVED  
JAN 10 2011  
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

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

ATTN: Dave Pollok

Job Ticket: 38786

DST#: 4

Test Start: 2010.08.20 @ 19:18:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:28:30

Time Test Ended: 04:52:19

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4822.00 ft (KB) To 4846.00 ft (KB) (TVD)**

Total Depth: 4846.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2423.00 ft (KB)

2410.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8648**

Inside

Press@RunDepth: 486.86 psig @ 4823.00 ft (KB)

Start Date: 2010.08.20

End Date:

2010.08.21

Start Time: 19:18:05

End Time:

04:52:20

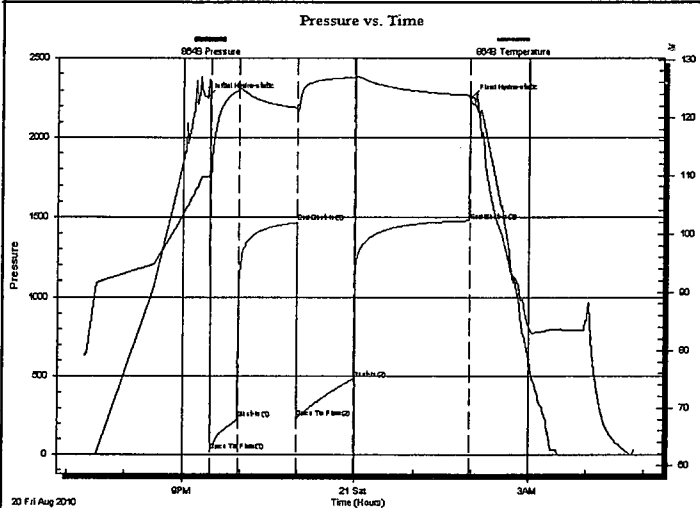
Capacity: 8000.00 psig

Last Calib.: 2010.08.21

Time On Btm: 2010.08.20 @ 21:24:30

Time Off Btm: 2010.08.21 @ 01:59:30

**TEST COMMENT:** IF: Fair blow , increased to BOB in 12 minutes.  
 IS: Bled off, no blow back.  
 FF: Fair blow , increased to BOB in 18.5 minutes.  
 FS: Bled off, no blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.02	109.70	Initial Hydro-static
4	26.50	109.11	Open To Flow (1)
34	231.26	124.75	Shut-In(1)
94	1465.50	121.68	End Shut-In(1)
95	236.11	121.27	Open To Flow (2)
154	486.86	126.93	Shut-In(2)
274	1477.86	123.90	End Shut-In(2)
275	2250.79	122.62	Final Hydro-static

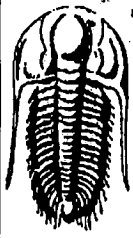
## Recovery

Length (ft)	Description	Volume (bbl)
995.00	Salt Water 100%w	11.77
0.00	48,000 ppm chlorides	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 38786

**DST#: 4**

ATTN: Dave Pollok

Test Start: 2010.08.20 @ 19:18:00

### Tool Information

Drill Pipe:	Length: 4572.00 ft	Diameter: 3.80 inches	Volume: 64.13 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 65.31 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4822.00 ft			Final	78000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	54.00 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			4797.00	
Sampler	2.00			4799.00	
Hydraulic tool	5.00			4804.00	
Jars	5.00			4809.00	
Safety Joint	3.00			4812.00	
Packer	5.00			4817.00	30.00 Bottom Of Top Packer
Packer	5.00			4822.00	
Stubb	1.00			4823.00	
Recorder	0.00	8648	Inside	4823.00	
Recorder	0.00	6799	Outside	4823.00	
Perforations	18.00			4841.00	
Bullnose	5.00			4846.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 38786

**DST#: 4**

ATTN: Dave Pollok

Test Start: 2010.08.20 @ 19:18:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
995.00	Salt Water 100%w	11.771
0.00	48,000 ppm chlorides	0.000

Total Length: 995.00 ft      Total Volume: 11.771 bbl

Num Fluid Samples: 0

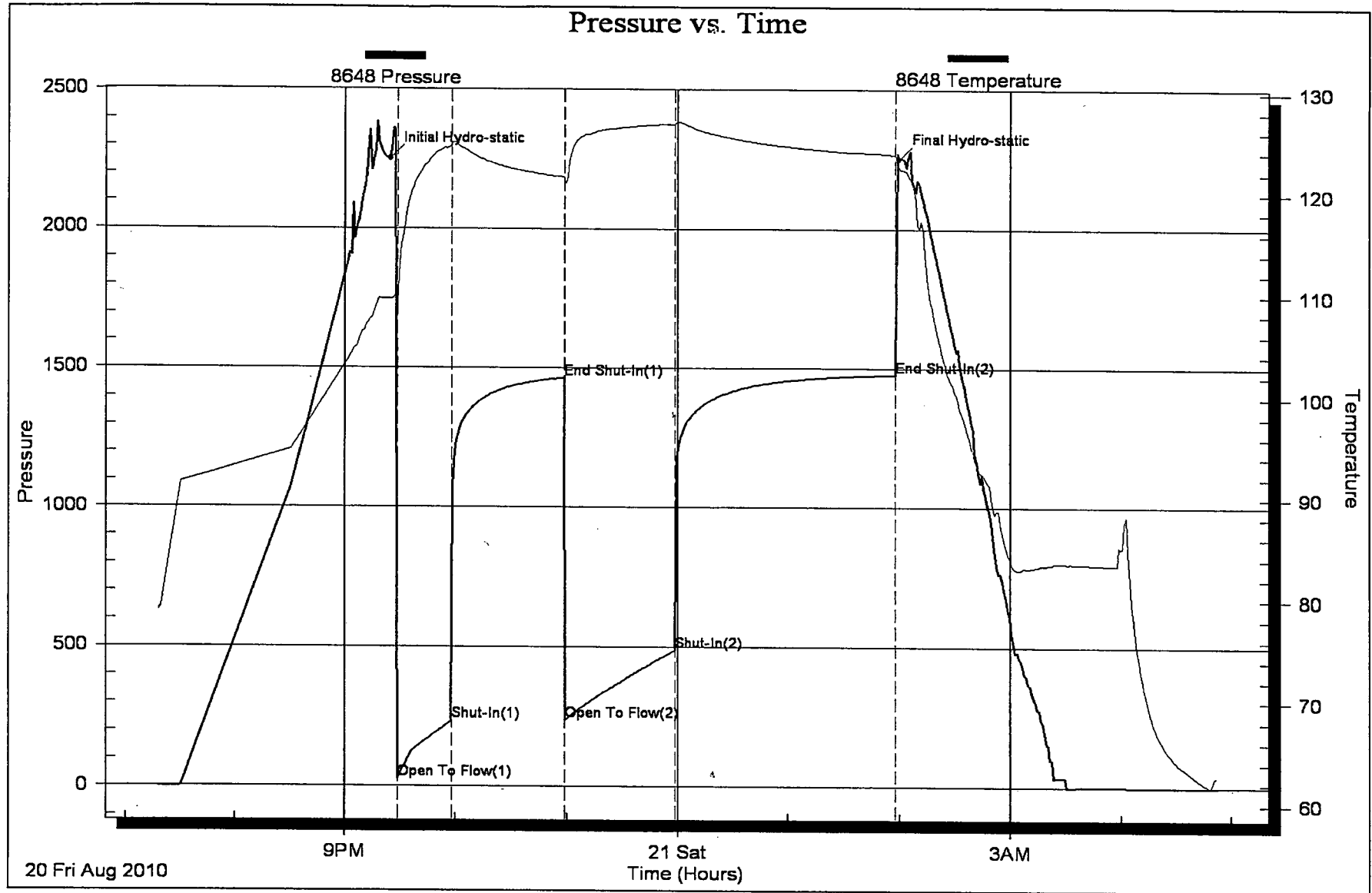
Num Gas Bombs: 0

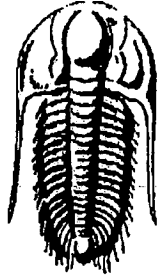
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .15@73F = 48000 chlorides





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Redland Resources Inc.**

6001 NW 23RD Street Oklahoma City Ok.  
73127

ATTN: Dave Pollok

**13-25s-23w Ford KS**

**INDIEK #13-10**

Start Date: 2010.08.20 @ 02:00:00

End Date: 2010.08.20 @ 10:58:49

Job Ticket #: 39345                      DST #: 3

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

Redland Resources Inc.

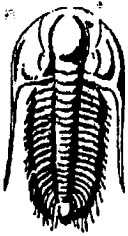
INDIEK #13-10

13-25s-23w Ford KS

DST # 3

Miss.

2010.08.20



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Redland Resources Inc.  
6001 NW 23RD Street Oklahoma City Ok. 73127  
ATTN: Dave Pollok

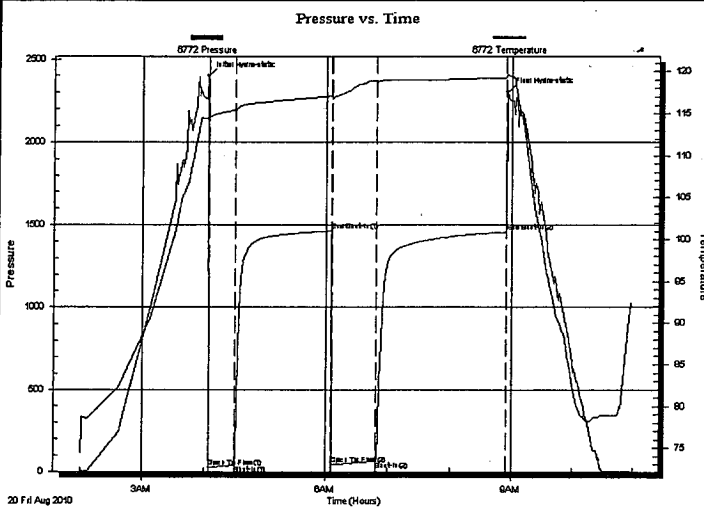
**INDIEK #13-10**  
**13-25s-23w Ford KS**  
Job Ticket: 39345      DST#: 3  
Test Start: 2010.08.20 @ 02:00:00

## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 04:04:20  
Time Test Ended: 10:58:49  
Test Type: Conventional Bottom Hole  
Tester: Harley Davidson  
Unit No: 33  
Interval: **4796.00 ft (KB) To 4830.00 ft (KB) (TVD)**  
Reference Elevations: 2423.00 ft (KB)  
Total Depth: 4830.00 ft (KB) (TVD)      2410.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 13.00 ft

**Serial #: 6772**      Inside  
Press@RunDepth: 63.35 psig @ 4798.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.08.20      End Date: 2010.08.20      Last Calib.: 2010.08.20  
Start Time: 02:00:05      End Time: 10:58:50      Time On Btm: 2010.08.20 @ 04:03:10  
Time Off Btm: 2010.08.20 @ 08:56:09

**TEST COMMENT:** IF- Weak building blow 1.5in. into bucket.  
IS- No blow back.  
FF- Weak surface blow.  
FS- No blow back.



## PRESSURE SUMMARY

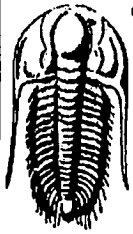
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2398.39	114.70	Initial Hydro-static
2	27.27	114.60	Open To Flow (1)
28	40.47	115.46	Shut-In(1)
123	1462.48	117.10	End Shut-In(1)
123	45.06	116.79	Open To Flow (2)
166	63.35	118.82	Shut-In(2)
293	1456.52	119.29	End Shut-In(2)
293	2303.22	119.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	Watered Mud	0.61

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 39345

DST#: 3

ATTN: Dave Pollok

Test Start: 2010.08.20 @ 02:00:00

### Tool Information

Drill Pipe:	Length: 4539.00 ft	Diameter: 3.80 inches	Volume: 63.67 bbl	Tool Weight:	2000.00 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: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	90000.00 lb
			<b>Total Volume: 64.85 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight--Initial	75000.00 lb
Depth to Top Packer:	4796.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	62.00 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			4769.00	
Shut In Tool	5.00			4774.00	
Hydraulic tool	5.00			4779.00	
Jars	5.00			4784.00	
Safety Joint	3.00			4787.00	
Packer	5.00			4792.00	28.00 Bottom Of Top Packer
Packer	4.00			4796.00	
Stubb	1.00			4797.00	
Perforations	1.00			4798.00	
Recorder	0.00	8355	Inside	4798.00	
Recorder	0.00	6772	Inside	4798.00	
Perforations	29.00			4827.00	
Bullnose	3.00			4830.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Redland Resources Inc.

**INDIEK #13-10**

6001 NW 23RD Street Oklahoma City Ok. 73127

**13-25s-23w Ford KS**

Job Ticket: 39345

**DST#: 3**

ATTN: Dave Pollok

Test Start: 2010.08.20 @ 02:00:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	Watered Mud	0.615

Total Length: 125.00 ft      Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

