



Operator Name: REDLAND RESOURCES, INC. Lease Name: BENDER Well #: 16-9  
 Sec. 16 Twp. 30 S. R. 19  East  West County: KIOWA COUNTY, KS

**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 copy of all Electric Wireline 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 <i>(Submit Copy)</i>  List All E. Logs Run: <b>NEUTRON DENSITY, MICROLOG, DUAL INDUCTION</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>CHASE</td> <td>2610</td> <td>-322</td> </tr> <tr> <td>TOP PENN</td> <td>3462</td> <td>-1174</td> </tr> <tr> <td>BS HEEBNER</td> <td>4272</td> <td>-1984</td> </tr> <tr> <td>STARK</td> <td>4752</td> <td>-2464</td> </tr> <tr> <td>CHEROKEE SH</td> <td>5024</td> <td>-2736</td> </tr> <tr> <td>MISS UNCONFORM</td> <td>5102</td> <td>-2814</td> </tr> <tr> <td>BS SPERGEN</td> <td>5156</td> <td>-2856</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	CHASE	2610	-322	TOP PENN	3462	-1174	BS HEEBNER	4272	-1984	STARK	4752	-2464	CHEROKEE SH	5024	-2736	MISS UNCONFORM	5102	-2814	BS SPERGEN	5156	-2856
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																										
Name	Top	Datum																										
CHASE	2610	-322																										
TOP PENN	3462	-1174																										
BS HEEBNER	4272	-1984																										
STARK	4752	-2464																										
CHEROKEE SH	5024	-2736																										
MISS UNCONFORM	5102	-2814																										
BS SPERGEN	5156	-2856																										

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
CONDUCTOR	30"	20"	50#	50'	GROUT	5.5 YDS	
SURFACE	17.875	13.375"	48#	270	CLASS A	250	2%GEL/3% CC

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 (Amount and Kind of Material Used)	Depth

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 _____

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--

# ALLIED CEMENTING CO., LLC. 043048

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

SERVICE POINT:  
*Medicine Lodge KS.*

DATE <i>11-4-2009</i>	SEC <i>16</i>	TWP <i>30 S</i>	RANGE <i>19 W</i>	CALLED OUT <i>10:00 AM</i>	ON LOCATION <i>12:00</i>	JOB START <i>6:00 PM</i>	JOB FINISH <i>6:30 PM</i>
LEASE <i>Pender</i>	WELL # <i>16-9</i>	LOCATION <i>Coldwater, KS. North</i>			COUNTY <i>kiowa</i>	STATE <i>Kansas</i>	
OLD OR NEW (Circle one)		<i>To Co Line - 3W, 3N, 1W, 4N, 4S</i>					

CONTRACTOR *Duke #9* OWNER *Redlands Resources*

TYPE OF JOB *Surface*

HOLE SIZE <i>17 1/2"</i>	T.D. <i>270'</i>
CASING SIZE <i>13 3/8"</i>	DEPTH <i>270'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>350</i>	MINIMUM <i>—</i>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>20'</i>	
PERFS.	
DISPLACEMENT <i>39 Bbls freshwater-</i>	

CEMENT AMOUNT ORDERED  
*250 sx Class A + 3% CL + 2% GEL*

COMMON <i>Class A 250</i>	@ <i>15.45</i>	<i>3862.50</i>
POZMIX	@	
GEL <i>5</i>	@ <i>20.80</i>	<i>104.00</i>
CHLORIDE <i>8</i>	@ <i>58.20</i>	<i>465.60</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <i>250</i>	@ <i>2.40</i>	<i>600.00</i>
MILEAGE <i>230 / .10 / 20</i>		<i>500.00</i>
		TOTAL <i>5532.00</i>

EQUIPMENT

PUMP TRUCK # <i>352</i>	CEMENTER <i>Carl Balding</i>
	HELPER
BULK TRUCK # <i>356-252</i>	DRIVER <i>Scott Piddy</i>
BULK TRUCK #	DRIVER

**REMARKS:**

*Run 270' 13 3/8 casing break circulation with Rig. mix + pump 250 sx A3+2 Displace with Bbls freshwater leave 20' cement in casing + shut in. Cement did circulate*

*Thank you*

CHARGE TO: *Redlands Resources*

STREET \_\_\_\_\_

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

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 *David Hickman*

SIGNATURE *David Hickman*

**SERVICE**

DEPTH OF JOB <i>270'</i>	
PUMP TRUCK CHARGE	<i>950.00</i>
EXTRA FOOTAGE	@
MILEAGE <i>20</i>	@ <i>7.00</i> <i>140.00</i>
MANIFOLD	@
	@
	@

RECEIVED  
DEC 11 2009

TOTAL *1090.00*

KCC WICHITA  
PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL \_\_\_\_\_

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

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

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

## 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. 043008

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

SERVICE POINT:  
*Medicine Lodge, KS*

DATE <i>11-10-09</i>	SEC. <i>16</i>	TWP. <i>30s</i>	RANGE <i>19w</i>	CALLED OUT	ON LOCATION	JOB START <i>8:00 AM</i>	JOB FINISH <i>9:45 AM</i>
LEASE <i>Bender</i>		WELL # <i>16-9</i>		LOCATION <i>Coldwater, KS, 7N, 3W, 3N, 1/4</i>		COUNTY <i>Clowa</i>	STATE <i>KS</i>
OLD OR <u>NEW</u> (Circle one)			<i>1/4 N, w/into</i>				

CONTRACTOR *Duke #9*  
 TYPE OF JOB *Rotary Plug to Abandon*  
 HOLE SIZE *7 7/8* T.D.  
 CASING SIZE *1 3/8* DEPTH *267*  
 TUBING SIZE DEPTH  
 DRILL PIPE *4K* DEPTH *1200*  
 TOOL DEPTH  
 PRES. MAX MINIMUM *—*  
 MEAS. LINE SHOE JOINT *—*  
 CEMENT LEFT IN CSG. *—*  
 PERFS.  
 DISPLACEMENT *Fresh H<sub>2</sub>O & Drilling Mud*

OWNER *Redland*

CEMENT AMOUNT ORDERED *250 sx 60:40:4% gel*

EQUIPMENT  
 PUMP TRUCK CEMENTER *D. Felix*  
 # *352* HELPER *M. Coley*  
 BULK TRUCK  
 # *356-252* DRIVER *S. Priddy*  
 BULK TRUCK  
 # DRIVER

COMMON <i>A 150</i>	@ <i>15.45</i>	<i>2317</i>	<i>50</i>
POZMIX <i>100 sx</i>	@ <i>8.00</i>	<i>800</i>	<i>00</i>
GEL <i>9 sx</i>	@ <i>20.50</i>	<i>187</i>	<i>20</i>
CHLORIDE	@		
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <i>250</i>	@ <i>2.40</i>	<i>600</i>	<i>00</i>
MILEAGE <i>250/.10/20</i>		<i>500</i>	<i>00</i>
		TOTAL	<i>4404.70</i>

**REMARKS:**

*Pipe at 1200', load hole, Pump 8 1/2 Bbls Spacer, Mix 50sx 60:40 cement, Disp. w/ 3 Bbls Fresh & 10 1/2 Bbls Mud, Drill Pipe at 300', load hole, Pump 8 Bbls Spacer, Mix 100sx 60:40 Cement, Disp. w/ 1 1/2 Bbls Fresh H<sub>2</sub>O, Pipe at 60', load hole, Mix 70sx Cement, Plug Rat Hole w/ 30sx Cement,*

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

**SERVICE**

DEPTH OF JOB <i>1200</i>	
PUMP TRUCK CHARGE	<i>1017.00</i>
EXTRA FOOTAGE	@
MILEAGE <i>20</i>	@ <i>7.00</i> <i>140.00</i>
MANIFOLD	@
	@
	@

TOTAL *1157.00*

**PLUG & FLOAT EQUIPMENT**

*NONE* @ RECEIVED  
 @ DEC 11 2009  
 @ KCC WICHITA  
 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.

PRINTED NAME *David Hickman*  
 SIGNATURE *David Hickman*

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

## 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:

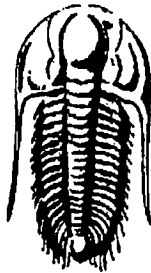
1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, 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.



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Redland Resources, Inc.**

6001 NW 23rd Street  
Oklahoma City, OK 73127

ATTN: David Hickman

**16-30s-19w Kiowa KS**

**Bender # 16-9**

Start Date: 2009.11.09 @ 12:05:01

End Date: 2009.11.09 @ 23:02:01

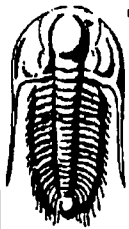
Job Ticket #: 36493                      DST #: 1

RECEIVED  
DEC 11 2009  
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.

6001 NW 23rd Street  
Oklahoma City, OK 73127

ATTN: David Hickman

**Bender # 16-9**

**16-30s-19w Kiowa KS**

Job Ticket: 36493

DST#: 1

Test Start: 2009.11.09 @ 12:05:01

### GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:41:31

Time Test Ended: 23:02:01

Test Type: Conventional Straddle

Tester: Jerry Adams

Unit No: 45

Interval: 5103.00 ft (KB) To 5162.00 ft (KB) (TVD)

Total Depth: 5300.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2288.00 ft (KB)

2275.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8367**

Inside

Press@RunDepth: 97.33 psig @ 5105.00 ft (KB)

Start Date: 2009.11.09

End Date:

2009.11.09

Start Time: 12:05:02

End Time:

23:02:01

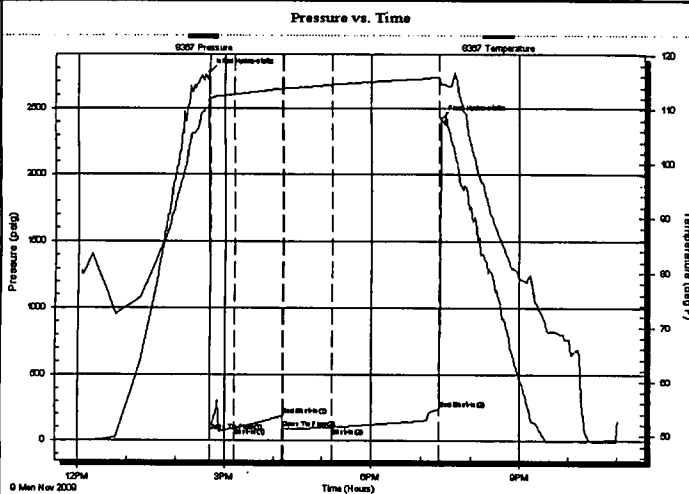
Capacity: 8000.00 psig

Last Calib.: 2009.11.09

Time On Btm: 2009.11.09 @ 14:40:31

Time Off Btm: 2009.11.09 @ 19:24:31

**TEST COMMENT:** IF:Weak blow . Built to 1 1/2".  
 IS:No blow.  
 FF:Very weak surface blow . Dead in 26 mins.  
 FS:No blow.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2766.62	110.65	Initial Hydro-static
1	64.76	111.82	Open To Flow (1)
31	93.17	112.82	Shut-In(1)
91	187.08	113.89	End Shut-In(1)
92	92.47	113.91	Open To Flow (2)
151	97.33	114.56	Shut-In(2)
282	239.55	115.93	End Shut-In(2)
284	2422.40	114.60	Final Hydro-static

**RECEIVED  
DEC 11 2009  
KGC WICHITA**

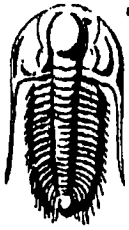
### Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drilling Mud 100%m	0.30

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Redland Resources, Inc.  
6001 NW 23rd Street  
Oklahoma City, OK 73127  
ATTN: David Hickman

**Bender # 16-9**  
**16-30s-19w Kiowa KS**  
Job Ticket: 36493      **DST#: 1**  
Test Start: 2009.11.09 @ 12:05:01

**Tool Information**

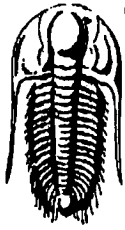
Drill Pipe:	Length: 4847.00 ft	Diameter: 3.80 inches	Volume: 67.99 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 69.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5103.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	5162.00 ft			
Interval between Packers:	59.00 ft			
Tool Length:	225.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5077.00	
Sampler	3.00			5080.00	
Hydraulic tool	5.00			5085.00	
Jars	5.00			5090.00	
Safety Joint	3.00			5093.00	
Packer	5.00			5098.00	31.00      Bottom Of Top Packer
Packer	5.00			5103.00	
Stubb	1.00			5104.00	
Change Over Sub	1.00			5105.00	
Recorder	0.00	8367	Inside	5105.00	
Blank Spacing	32.00			5137.00	
Perforations	21.00			5158.00	
Recorder	0.00	13249	Outside	5158.00	
Blank Off Sub	4.00			5162.00	59.00      Tool Interval
Packer	0.00			5162.00	
Perforations	6.00			5168.00	
Change Over Sub	1.00			5169.00	
Recorder	0.00	6798	Inside	5169.00	
Blank Spacing	124.00			5293.00	
Change Over Sub	1.00			5294.00	
Bullnose	3.00			5297.00	135.00      Bottom Packers & Anchor

**Total Tool Length: 225.00**

**RECEIVED  
DEC 11 2009  
KCC WICHITA**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Redland Resources, Inc.  
6001 NW 23rd Street  
Oklahoma City, OK 73127  
ATTN: David Hickman

**Bender # 16-9**  
**16-30s-19w Klowa KS**  
Job Ticket: 36493      **DST#: 1**  
Test Start: 2009.11.09 @ 12:05:01

**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: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.20 inches			

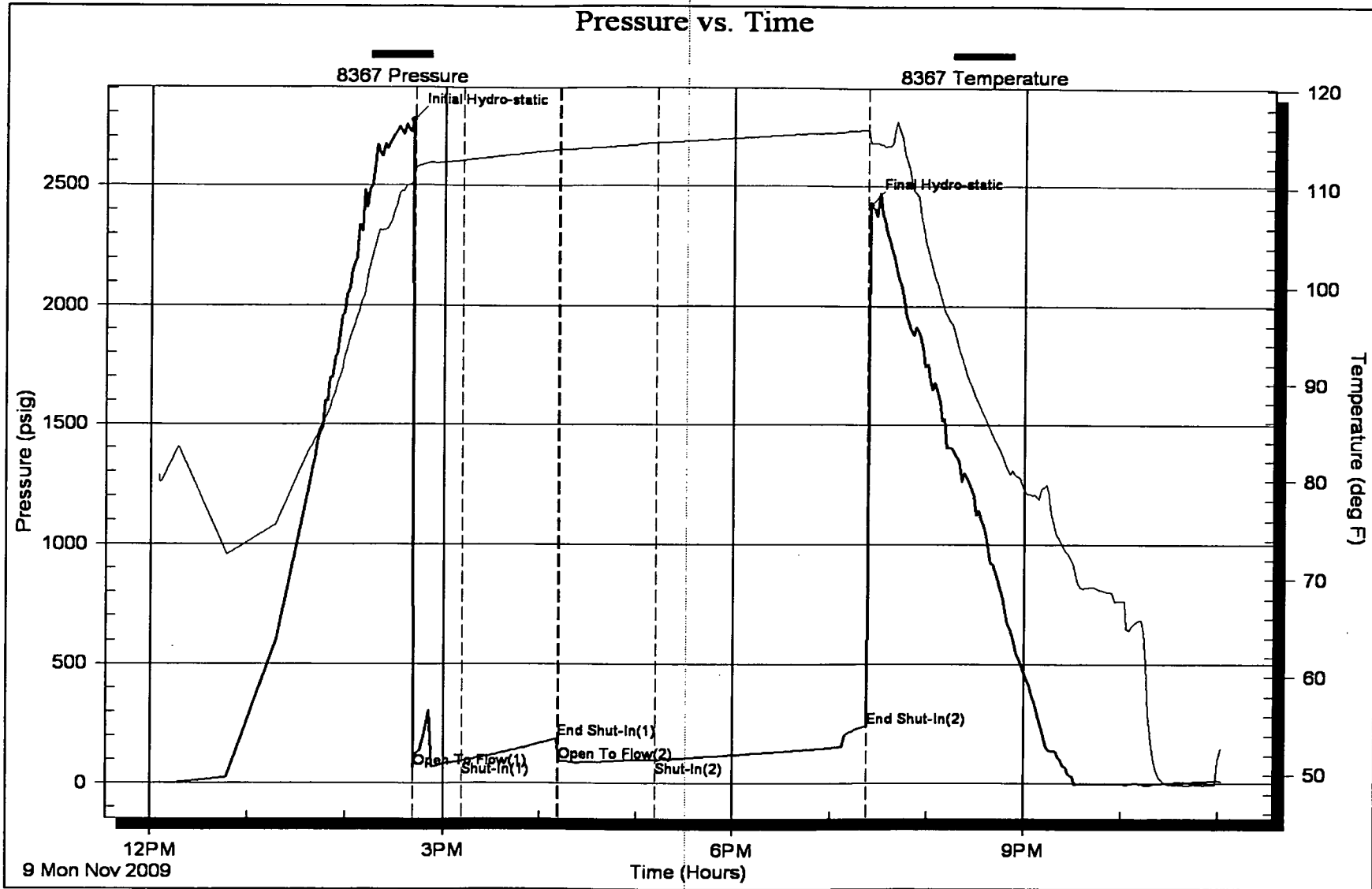
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	Drilling Mud 100% <sub>m</sub>	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

RECEIVED  
DEC 11 2009  
KCC WICHITA



RECEIVED  
DEC 1 11 2009  
KCC WICHITA



# 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 BENDER 16-9 SW NE NE SE SECTION 16- T30S - R19W KIOWA COUNTY, KANSAS

### SUMMARY

The above captioned well was drilled to a total depth of 5,300 feet on November 8, 2009. A one-man logging unit was on location from approximately 2,800 feet to TD. The well was under the geological supervision of the undersigned from 4,000 feet to TD. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density and Micro-log. From the data collected while drilling and analyzing, including a drill stem test run after logs were complete, it was determined that the well was not commercially productive. A decision was made to abandon the Bender 16-9.

### MISSISSIPPIAN UNCONFORMITY

The top of the Mississippian "caprock" was encountered at 5,102(-2,814) feet. The samples were described as white, off white, cream, tan, buff, very friable, very fine micro-crystalline, slightly sucrosic, reworked, and weathered limestone with good inter-crystalline porosity. Scattered dull yellow fluorescence and very good streaming cut were observed. A 473 unit gas kick was recorded by the gas chromatograph. The electric logs indicated a 16 foot interval with average cross-plotting porosity of 4%. The Micro-log indicated this zone to be tight.

### MISSISSIPPIAN SPERGEN

The top of the Mississippian Spergen was cut at 5,126(-2,838) feet. Samples were described off white, cream, tan, glauconitic, very sucrosic, dolomitic limestone cherty in part. Good inter-crystalline porosity was seen. Bright yellow fluorescence was observed along with abundant asphaltic oil staining, slow streaming cut and no odor. The gas chromatograph recorded a slight kick of 199 units. Electric logs indicated an 18 foot interval with an average cross-plotting porosity of 4% and no permeability.

RECEIVED  
DEC 11 2009  
KCC WICHITA

## MISSISSIPPIAN WARSAW

The top of the Warsaw was encountered at 5,156 (-2,868) feet. Samples were described as white, off white, cream, tan, very fine micro-crystalline, moderately hard, limestone grading to a limey dolomite with very sucrosic texture and some interbedded glauconite. Good pin-point vugular porosity could be seen. A dull yellow fluorescence, some oil staining, good streaming and ring cut were observed. The gas chromatograph registered 23 feet of gas over 450 units. Electric logs however calculated the zone to be wet.

For further analysis a drill stem test was run from 5,103' to 5,162'. The results are as follows:

Open 30" closed 60" open 60" closed 120"  
 Recovered: 60' drilling mud  
 Flow pressure: 64-93/92-97-38  
 Shut-in pressure: 187/153

## ELECTRIC LOG TOPS

	REDLAND BENDER 16-9 SW NE NE SE 16-T30S-R19W	REDLAND MARY CATHERINE 23-9 SE NW 23-T30S-R19W	TEXAS OIL & GAS ROSE D 1 NW NW SW 15-T30S- R19W
CHASE (Subsca)	2610 (-322)	2598 (-332)	2599 (-307)
TOP PENN (Subsca)	3462 (-1174)	3460 (-1194)	3450 (-1158)
BS. HEEBNER (Subsca)	4272 (-1984)	4256 (-1990)	4263 (-1971)
STARK SH. (Subsca)	4752 (-2464)	4731 (-2465)	4742 (-2450)
CHEROKEE SH. (Subsca)	5024 (-2736)	5005 (-2739)	5012 (-2720)
MISS. UNCON. (Subsca)	5102 (-2814)	5088 (-2822)	5088 (-2796)
BASE SPERGEN (Subsea)	5156 (-2868)	5122 (-2856)	5136 (-2844)

RECEIVED  
 DEC 11 2009  
 KCC WICHITA


**CONCLUSION**

The Bender 16-9 was drilled for the continued development of hydrocarbon production in both the Mississippian sediment sub-crops of the Spergen and Warsaw. After all the data was collected and analyzed it was determined that both zones as well as the Mississippian "caprock" were not commercially productive. A decision was made to plug and abandon the well.

Respectfully submitted,



David Hickman  
Well-Site Geologist  
11/11/09



Beth Brock  
Petroleum-Geotech  
11/11/09

RECEIVED  
DEC 11 2009  
KCC WICHITA