



Operator Name: REDLAND RESOURCES, INC. Lease Name: ACHENBACH Well #: 17-1  
 Sec. 17 Twp. 35 S. R. 12  East  West County: BARBER

**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 type="checkbox"/> Yes <input checked="" 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>MICROLOG, NEUTRON DENSITY,                  DUAL INDUCTION</b>	<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>1958</td> <td>-534</td> </tr> <tr> <td>TOP PENN</td> <td>3030</td> <td>-1606</td> </tr> <tr> <td>BS HEEBNER</td> <td>3874</td> <td>-2450</td> </tr> <tr> <td>STARK SH</td> <td>4566</td> <td>-3142</td> </tr> <tr> <td>CHEROKEE SH</td> <td>4782</td> <td>-3358</td> </tr> <tr> <td>MISS UNCONFORM</td> <td>4854</td> <td>-3430</td> </tr> <tr> <td>MISENER SAND</td> <td>5246</td> <td>-3822</td> </tr> </table>	Name	Top	Datum	CHASE	1958	-534	TOP PENN	3030	-1606	BS HEEBNER	3874	-2450	STARK SH	4566	-3142	CHEROKEE SH	4782	-3358	MISS UNCONFORM	4854	-3430	MISENER SAND	5246	-3822
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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#	50'	GROUT	5 YDS	
SURFACE	17.50"	13.375"	48#	251'	POZMIX	260	3% cc/2% gel
Production	7.875"	4.5"	10.50#	5288'	CLASS H	300	5%KOLSEAL, 25%FLOSEAL, 5% FL100

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
1 SPF	4893-4928 SET CIBP @ 4890'	2500 gal 15% NEFE Acid	ALL
1 SPF	4838-4888	3000 gal 15% NEFE Acid Frac w/6553 bsw & 71,000 lbs sand	All All

TUBING RECORD: Size: <u>2.375"</u> Set At: <u>4854'</u> Packer At: <u>N/A</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>03/01/09</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf <u>15</u>	Water Bbls. <u>250</u> Gas-Oil Ratio <u>500:1</u> Gravity <u>30</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4838-4888'</u> <div style="text-align: right; border: 1px solid black; padding: 2px;">RECEIVED</div>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

JUN 01 2009  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 34086

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

SERVICE POINT:  
*Medicine Lodge, KS*

DATE <i>01 05 09</i>	SEC. <i>17</i>	TWP. <i>35s</i>	RANGE <i>12w</i>	CALLED OUT <i>12:00 AM</i>	ON LOCATION <i>1:30 AM</i>	JOB START <i>9:30 AM</i>	JOB FINISH <i>10:15 AM</i>
LEASE <i>Achen Back</i> WELL # <i>17-1</i>			LOCATION <i>Hardtweaks, 1s, 1/2 E, N &amp; W</i>		COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <u>NEW</u>			into				

CONTRACTOR *Val #5*

TYPE OF JOB *Production Casing*

HOLE SIZE ~~4 1/2~~ *7 7/8* T.D. *5331*

CASING SIZE *4K* DEPTH *5320*

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

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

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX *1600* MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT *20A2*

CEMENT LEFT IN CSG. *21*

PERFS. \_\_\_\_\_

DISPLACEMENT *85 Bbls Fresh H<sub>2</sub>O*

EQUIPMENT

OWNER *Redland Res.*

CEMENT

AMOUNT ORDERED *300s x 1/4" ASC + 5# Kol Seal + 1/4" Flo Seal + 5% FL 160*

COMMON _____	@ _____	RECEIVED
POZMIX _____	@ _____	
GEL _____	@ _____	
CHLORIDE _____	@ _____	
ASC <i>300 H</i>	@ <i>21.10</i>	<i>6330.00</i>
<i>Kol Seal 1500 #</i>	@ <i>.89</i>	<i>1335.00</i>
<i>Flo Seal 75 #</i>	@ <i>2.50</i>	<i>187.50</i>
<i>FL-160 141 #</i>	@ <i>13.30</i>	<i>1875.30</i>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <i>389</i>	@ <i>2.40</i>	<i>933.60</i>
MILEAGE <i>25 x 389 x .10</i>		<i>972.50</i>
TOTAL		<i>11633.90</i>

PUMP TRUCK CEMENTER *D. Felix*

# *352* HELPER *M. Becker*

BULK TRUCK

# *356-252* DRIVER *L. Freeman Jr.*

BULK TRUCK

# DRIVER *M. Coley*

**REMARKS:**

*Pipe on Btm, Break Circ., Pump 50s x Scavenger Cement Mix 250s x tail Cement, Stop Pump, Wash Pump & Lines, Release Plug, Start Dip, w/ Fresh H<sub>2</sub>O. See in create in PST, Slow Rate, Bump Plug at 85 Bbls total Disp, Release PST, Float Did Hold*

**SERVICE**

DEPTH OF JOB *5320*

PUMP TRUCK CHARGE \_\_\_\_\_ *2295.00*

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE *25* @ *7.00* *175.00*

MANIFOLD *Head Rental* @ *113.00* *113.00*

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: *Redland Res.*

STREET \_\_\_\_\_

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

TOTAL *2583.00*

**PLUG & FLOAT EQUIPMENT**

*4 1/2"*

<i>1- AFU Float Shoe</i>	@ <i>434.00</i>	<i>434.00</i>
<i>1- Latch Down Plug Assy</i>	@ <i>405.00</i>	<i>405.00</i>
<i>6- Centralizers</i>	@ <i>51.00</i>	<i>306.00</i>
_____	@ _____	_____
_____	@ _____	_____

TOTAL *1145.00*

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_

SIGNATURE *Al Watson*

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

TOTAL CHARGES ~~*2583.00*~~

DISCOUNT ~~*2583.00*~~ IF PAID IN 30 DAYS

ANY APPLICABLE TAX  
WILL BE CHARGED  
UPON INVOICING

## 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. 32539

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

SERVICE POINT:

DATE <u>12-26-08</u>	SEC. <u>17</u>	TWP. <u>35S</u>	RANGE <u>12W</u>	CALLED OUT <u>12-26-08</u> <u>0930 pm</u>	ON LOCATION <u>12-26-08</u> <u>1100 pm</u>	JOB START <u>Medicine Lodge</u> <u>12-27-08</u> <u>0345 AM</u>	JOB FINISH <u>12-27-08</u> <u>0430 AM</u>
LEASE <u>Achenbach</u>		WELL # <u>1-17</u>		LOCATION <u>Hardner ks, S/TO state line, 1/2 E, N/intro</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Val 5  
 TYPE OF JOB Surface  
 HOLE SIZE 17 1/2" T.D. 259  
 CASING SIZE 13 3/8" 48# DEPTH 251.37  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 300 MINIMUM 100 psi  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 42.06'  
 CEMENT LEFT IN CSG. 42.06  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 32 3/4 Bbls Fresh water

OWNER Redland Resources  
 CEMENT  
 AMOUNT ORDERED 260sx 60:40:2+3%CC

**EQUIPMENT**

PUMP TRUCK CEMENTER Greg G.  
 # 480-486 HELPER Heath M  
 BULK TRUCK  
 # 364 DRIVER Michael N.  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>156 A</u>	@	<u>15.45</u>	<u>2410.20</u>
POZMIX	<u>104</u>	@	<u>8.00</u>	<u>832.00</u>
GEL	<u>5</u>	@	<u>20.80</u>	<u>104.00</u>
CHLORIDE	<u>9</u>	@	<u>58.20</u>	<u>523.80</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>274</u>	@	<u>2.40</u>	<u>657.60</u>
MILEAGE	<u>25 x 274 x .10</u>			<u>685.00</u>
				TOTAL <u>5212.60</u>

**REMARKS:**

Pipe on bottom, Blesk circulation, Pump cement - 260sx 60:40:2+3%CC, Stop pumps, Release plug, Start Disp, See lift, slow rate, bump plug, Disp with 32 3/4 Bbls Fresh water, Shut in, Cement Circulated to surface.

**SERVICE**

DEPTH OF JOB	<u>259'</u>			
PUMP TRUCK CHARGE				<u>1018.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>25</u>	@	<u>7.00</u>	<u>175.00</u>
MANIFOLD		@		
<u>Head Rent 791</u>	<u>1</u>	@	<u>113.00</u>	<u>113.00</u>
		@		

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

TOTAL 1306.00

**13 3/8 PLUG & FLOAT EQUIPMENT**

<u>wooden Plug</u>	<u>1</u>	@	<u>79.00</u>	<u>79.00</u>
<u>Basket</u>	<u>1</u>	@	<u>310.00</u>	<u>310.00</u>
		@		
		@		
		@		

TOTAL 389.00

To Allied Cementing Co., LLC.  
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PRINTED NAME X \_\_\_\_\_  
 SIGNATURE X Alan Watson

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES ~~1306.00~~  
 DISCOUNT ~~1306.00~~ IF PAID IN 30 DAYS

ANY APPLICABLE TAX  
WILL BE CHARGED  
UPON INVOICING

*\*Thank You\**

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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.



# 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 ACHENBACH 17-1 NE NE SECTION 17- T35S - R12W BARBER COUNTY, KANSAS

### SUMMARY

The above captioned well was drilled to a total depth of 5,331 feet on January 4, 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 4,600 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, potential hydrocarbon shows were encountered in the Pawnee Limestone and the Mississippian. The decision was made to set production casing and complete the well in the Mississippian. However the Pawnee interval should be perforated before plugging the well.

### PAWNEE LIMESTONE

The Pawnee Limestone was cut at 4,747 (-3,323) feet. The samples were described as off white, tan, grey, and brown to dark brown, very fine to fine micro-crystalline, fossiliferous, argillaceous, slightly sucrosic, limestone with a trace of glauconite interbedded. Good pin-point porosity with a trace of vugular porosity could be seen. Good yellow fluorescence with a trace of dark brown live oil stain was observed. There was a 7 foot drilling break with the gas chromatograph registering 70 units. The electric logs indicated a 4 foot interval of 5 to 7% cross-plot porosity and good micro-log separation.

### MISSISSIPPIAN

The top of the Mississippian was encountered at 4,854 (-3,430) feet. The samples were described as milky white, clear to opaque, predominately hard fresh chert with an abundant amount of milky white and blue, slightly glauconitic and dolomitic, friable tripolitic chert. Very good vugular pin-point porosity was observed. An abundant dull yellow fluorescence with dark brown live oil stain, excellent streaming cut and strong odor was also observed. A 76 foot drilling break occurred with the gas chromatograph recording gas kicks of 214, 241, 232, and 339 units respectively. The electric logs indicated a productive zone of 72 feet with an average cross-plot porosity over 20% and as high as 28%. Very good micro-log separation was observed throughout.

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**MISENER SANDSTONE**

The top of the Misener was encountered at 5,246 (-3,822) feet. Samples were described as clear and transparent, medium grained, round to sub-round, consolidated, very friable, fairly sorted, very good inter-granular sandstone with a dolomitic matrix and abundant shale inclusions. No visual fluorescence, oil stain, cut or odor was observed. Though the porosity log showed a 10 foot zone with a 12% cross-plotting average, the induction log indicated the zone to be wet.

**ELECTRIC LOG TOPS**

	REDLAND ACHENBACH 17-1 NE NE 17-T35S-R12W	AVALON DMZ 1-18 W2 W2 E2 SW 18-T29N-R13W	FLYNN ACHENBACH 1 SW SE SE 8-T35S-R12W
CHASE (Subsea)	1958 (-534)	1924 (-538)	1960 (-535)
TOP PENN (Subsea)	3030 (-1606)	3010 (-1624)	3040 (-1615)
BS. HEEBNER (Subsea)	3874 (-2450)	3874 (-2488)	3886 (-2461)
STARK SH. (Subsea)	4566 (-3142)	4561 (-3175)	4576 (-3151)
CHEROKEE SH. (Subsea)	4782 (-3358)	4784 (-3398)	4788 (-3363)
MISS. UNCON. (Subsea)	4854 (-3430)	4856 (-3470)	4846 (-3421)
MISENER SS. (Subsea)	5246 (-3822)	5255 (-3869)	5252 (-3827)

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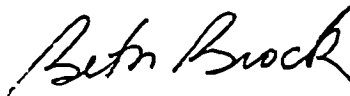
## CONCLUSION

The Achenbach 17-1 was drilled as a developmental well for possible commercial production of hydrocarbons in both the Mississippian and the Misener Sandstone. After all data was gathered and analyzed it was determined that the Misener Sandstone was wet. However, the Mississippian and the Pawnee Limestone showed to be productive. A decision was made to run pipe and attempt completion in the Mississippian with the Pawnee being perforated before plugging of the well.

Respectfully submitted,



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1/06/09



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