

RECEIVED

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

OCT 25 2001

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

10-25-01

KCC WICHITA

Operator: License # 8926

Name: Advantage Resources, Inc.

Address: 1775 Sherman St. - Suite 1600

City/State/Zip: Denver Colorado 80203

Purchaser: _____

Operator Contact Person: David Pauly

Phone: (316) 264-0490

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Brad Rine

Designate Type of Completion:

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, 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./SWD

Plug Back Plug Back Total Depth _____

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Enhr.?) Docket No. _____

07-31-01 08-10-01 09-13-01

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 097-21469-0000

County: Kiowa County, Kansas

NE NW Sec. 18 Twp. 28 S. R. 17 East West

700 feet from S N (circle one) Line of Section

1850 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Byrd Hardy Well #: 3

Field Name: Hardy

Producing Formation: Miss. Chat (Osage)

Elevation: Ground: 2183' Kelly Bushing: 2194'

Total Depth: 4910' Plug Back Total Depth: 4439'

Amount of Surface Pipe Set and Cemented at 509 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 509

feet depth to surface w/ 150 sx cmt.

Drilling Fluid Management Plan Act 1 11/7/01 AB
(Data must be collected from the Reserve Pit)

Chloride content 4000 ppm Fluid volume 1800 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

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.

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: Louis C. Bortz
Title: Vice President Date: 10/19/01

Subscribed and sworn to before me this 19th day of October

2001
Notary Public: Christine K. Pettinger
Date Commission Expires: 9/9/02

KCC Office Use ONLY

- Letter of Confidentiality Attached
- If Denied, Yes Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

KCC

X

Operator Name: **Advantage Resources, Inc.** Lease Name: **Byrd Hardy** Well #: **3**
 Sec. **18** Twp. **28** S. R. **17** East West County: **Kiowa County, Kansas**

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Dual Induction
 Neutron/Density

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Heebner	4032	-1828
Lansing	4204	-2000
B/ Kansas City	4587	-2383
Miss. Chat	4770	-2566
Kinderhook	4868	-2664
T.D.	4909	-2705

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	# Sacs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	509'	COMP ALW	160	3%cc #floseal
Production	7-7/8"	4-1/2"	10.5#	5908'	ASC	200	3%cc .2%gel

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
2	4772-4794	2500 gal. 15% FE acid	4772-94
		Frac'd w/ 36,500# sand	" "

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	4785	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
Waiting on pipeline		<input checked="" 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
	--	129*	-0-		

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

METHOD OF COMPLETION Production Interval

*First hour of multi-point test (see attached)

ORIGINAL

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
Great Bend

DATE <u>8-29-01</u>	SEC. <u>8</u>	TWP. <u>28</u>	RANGE <u>17</u>	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>10:45 AM</u>	JOB START <u>12:00 Noon</u>	JOB FINISH <u>1:15 pm</u>
LEASE <u>McElwain</u> WELL # <u>B*1</u>		LOCATION <u>Brenham elevator 2 west,</u>			COUNTY <u>Kitowa</u>	STATE <u>Kansas</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>1 North, 3/4 North, 1 east.</u>					

CONTRACTOR Duke #4

TYPE OF JOB Surface

HOLE SIZE <u>12 1/2"</u>	T.D. <u>509'</u>
CASING SIZE <u>8 5/8" 24"</u>	DEPTH <u>508'</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2"</u>	DEPTH
TOOL	DEPTH
PRES. MAX <u>300#</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>45'</u>	
PERFS.	
DISPLACEMENT <u>x 29 1/4 bbls</u>	

OWNER Advantage Resources Inc

CEMENT

AMOUNT ORDERED 200 BX ALW 3% CC

1/4" floccal, 100 BX common.

2% GEL 3% CC

COMMON <u>100</u>	@ <u>6.65</u>	<u>665.00</u>
POZMIX <u>200 ALW</u>	@ <u>6.30</u>	<u>1260.00</u>
GEL <u>2</u>	@ <u>10.00</u>	<u>20.00</u>
CHLORIDE <u>9</u>	@ <u>30.00</u>	<u>270.00</u>
<u>Flo Seal 1 50#</u>	@ <u>1.40</u>	<u>70.00</u>
	@	
	@	
	@	
	@	
HANDLING <u>313</u>	@ <u>1.10</u>	<u>344.30</u>
MILEAGE <u>33</u>		<u>413.10</u>

EQUIPMENT

KB

PUMP TRUCK # <u>181</u>	CEMENTER <u>J.R. Drilling</u>
BULK TRUCK # <u>341</u>	HELPER <u>Burr</u>
BULK TRUCK # <u>364</u>	DRIVER <u>Larry</u>
	DRIVER

RECEIVED

OCT 25 2001

KCC WICHITA SERVICE

TOTAL \$ 3042.46

REMARKS:

Safety meeting:
Ran 11 joints over 24" 8 5/8 casing to
bottom. Circulate w/ mud pump,
shut down, hook up to pump tank & mixed
200 BX ALW 3% CC + 100 BX common 2% gel
3% CC. Shut down, change valves over,
release 8 5/8 rubber plug & displace with 29 1/4 bbls
fresh h²⁰. Cement did circulate!

DEPTH OF JOB <u>509'</u>	
PUMP TRUCK CHARGE <u>0-300'</u>	<u>520.00</u>
EXTRA FOOTAGE <u>209'</u>	@ <u>.50</u> <u>104.50</u>
MILEAGE <u>33</u>	@ <u>3.00</u> <u>99.00</u>
PLUG <u>1-8 5/8 Rubber</u>	@ <u>100.00</u> <u>100.00</u>
	@
	@
TOTAL	\$ <u>823.50</u>

CHARGE TO: Advantage Resources Inc.

STREET 1775 Sherman street, suite 1900

CITY Denver STATE Colorado ZIP 80203

FLOAT EQUIPMENT

<u>1-8 5/8 centerliner</u>	@ <u>55.00</u>	<u>55.00</u>
<u>1-8 5/8 Basket</u>	@ <u>180.00</u>	<u>180.00</u>
<u>1-8 5/8 Baffle plate</u>	@ <u>45.00</u>	<u>45.00</u>
	@	
	@	

TOTAL \$ 280.00

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX - 0 -

TOTAL CHARGE \$ 5115.96

DISCOUNT \$ 514.60 IF PAID IN 30 DAYS

SIGNATURE Galen D Roach

SIGNATURE Galen D Roach
PRINTED NAME

Net ~~\$ 3731.36~~

ALLIED CEMENTING CO., INC.

3479

Federal Tax I.D.# 48-0727860

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

SERVICE POINT Grand Prairie
ORIGINAL

DATE <u>8-29-01</u>	SEC. <u>8</u>	TWP. <u>28</u>	RANGE <u>17</u>	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>10:45 AM</u>	JOB START <u>12:00 noon</u>	JOB FINISH <u>1:15</u>	
LEASE <u>McE Division</u>		WELL# <u>R # 1</u>	LOCATION <u>Forbush elevator 2 west</u>		COUNTY <u>King</u>	STATE <u>Kansas</u>		
OLD OR <u>(NEW)</u> (Circle one)			<u>1 North, 3/4 North, 1 east.</u>					

CONTRACTOR Duke # 4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D. 509'
 CASING SIZE 8 5/8 24" DEPTH 508'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 300# MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 45'
 PERFS. _____
 DISPLACEMENT 29 1/4 bbls

OWNER Advantage Resources Inc.

CEMENT
 AMOUNT ORDERED 200# ALW 3% CC
1/4" Normal 100# common
2% GEL 3% CC

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____

EQUIPMENT
MP
 PUMP TRUCK CEMENTER Drinking
 #181 HELPER Rum
 BULK TRUCK
 #341 DRIVER Larry
 BULK TRUCK
 #364 DRIVER

RECEIVED
 OCT 25 2001
 SERVICE
 KCC WICHITA

REMARKS:

Shut down
Ran 11 joints near 24" 8 5/8 casing to
bottom. Circulate w/ mud pump.
shut down, break up to pump tank & material
200# ALW 3% CC + 100# common 2% gel
3% CC. Shut down, change valves over
valve. 3 5/8 rubber plug + displace with 29 1/4 bbls
break h². Cement did circulate!

DEPTH OF JOB 509'
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG 1- 8 5/8 Rubber @ _____
 _____ @ _____
 _____ @ _____

CHARGE TO: Advantage Resources Inc.
 STREET 1775 Sherman street, suite 1900
 CITY Denver STATE Colorado ZIP 80203

Thank you!

FLOAT EQUIPMENT

1- 8 5/8 centerline @ _____
1- 8 5/8 Basket @ _____
1- 8 5/8 Baffle plate @ _____
 _____ @ _____
 _____ @ _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL _____
 TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Richard D. Roach

Richard D. Roach
 PRINTED NAME

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., 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 wilful 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.

ORIGINAL

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

Dr Bend

DATE <u>9-7-01</u>	SEC <u>8</u>	TWP. <u>28</u>	RANGE <u>17</u>	CALLED OUT <u>11:00 AM</u>	ON LOCATION <u>3:00 PM</u>	JOB START <u>7:00 PM</u>	JOB FINISH <u>8:20 PM</u>
MCEI <u>Wain</u> LEASE # <u>3</u>	WELL # <u>1</u>	LOCATION <u>Brenham Elevator 2W, 1/4 N,</u>			COUNTY <u>Kiowa</u>	STATE <u>Ka</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>Evinta</u>			

CONTRACTOR Duke #4

TYPE OF JOB Production

HOLE SIZE 7 7/8" T.D. 4885'

CASING SIZE 4 1/2" New 10 1/2" DEPTH 4884'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1500# MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42.92'

CEMENT LEFT IN CSG. 42.92'

PERFS. _____

DISPLACEMENT 77 bbls,

OWNER Same

CEMENT

AMOUNT ORDERED 225 lbs ASC, 5# Kol Seal / Ash

500 gal ASF,

COMMON	<u>225 ASC</u>	@	<u>8.50</u>	<u>1912.50</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
	<u>Kol Seal 1125#</u>	@	<u>.50</u>	<u>562.50</u>
	<u>ASF 500 gal</u>	@	<u>1.00</u>	<u>500.00</u>
		@		
		@		
HANDLING	<u>248</u>	@	<u>1.10</u>	<u>272.80</u>
MILEAGE	<u>33</u>			<u>327.36</u>

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

181 HELPER Bob B

BULK TRUCK

341 DRIVER Larry D.

BULK TRUCK

_____ DRIVER _____

RECEIVED

OCT 25 2001

KCC WICHITA SERVICE

TOTAL \$ 3575.16

REMARKS:

Ran 4884' of 4 1/2" casing. Broke circulation. Pumped 500 gal ASF followed by 210 lbs ASC, 5# Kol Seal / Ash. Worked line clean of cement. Released plug. Displaced with fresh H2O. Loaded plug at 1500#. Released & held.

Plugged bathole 14/15 side,

DEPTH OF JOB	<u>4884'</u>			
PUMP TRUCK CHARGE				<u>1264.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>33</u>	@	<u>3.00</u>	<u>99.00</u>
PLUG		@		
		@		
		@		

TOTAL \$ 1363.00

CHARGE TO: Advantage Resources, Inc.

STREET 1225 Sherman Street Suite 1900

CITY Denver STATE Colo ZIP 80203

FLOAT EQUIPMENT

1-4 1/2" AFD float shoe	@	<u>200.00</u>	<u>200.00</u>
10-4 1/2" Centralizers	@	<u>45.00</u>	<u>450.00</u>
1-4 1/2" Latch Down Plug	@	<u>300.00</u>	<u>300.00</u>
	@		

TOTAL \$ 950.00

To Allied Cementing Co., Inc. .
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE X [Signature]

TAX - 0 -

TOTAL CHARGE \$ 5888.16

DISCOUNT \$ 588.82 IF PAID IN 30 DAYS

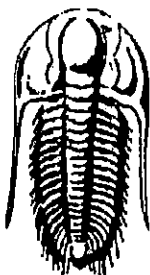
X David Pawly
PRINTED NAME

net \$ 5299.34

RECEIVED

OCT 25 2001

KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Advantage Resources**

1775 Sherman Dr. #1900
Denver Co 80203

ORIGINAL

ATTN: Ed Ackman

7 28s 17w Kiowa KS

#1 McElwain "B"

Start Date: 2001.09.05 @ 11:27:13

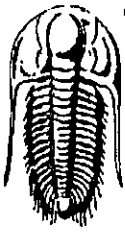
End Date: 2001.09.05 @ 20:13:13

Job Ticket #: 14967 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Advantage Resources
1775 Sherman Dr. #1900
Denver Co 80203
ATTN: Ed Ackman

#1 McElwain "B"
7 28s 17w Kiowa KS
Job Ticket: 14967 DST#: 1
Test Start: 2001.09.05 @ 11:27:13

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 13:44:13
Time Test Ended: 20:13:13

Test Type: **Conventional Bottom Hole**
Tester: **David/Paul**
Unit No:

Interval: **4727.00 ft (KB) To 4800.00 ft (KB) (TVD)**
Total Depth: **4800.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2194.00 ft (KB)**
2185.00 ft (CF)
KB to GR/CF: **9.00 ft**

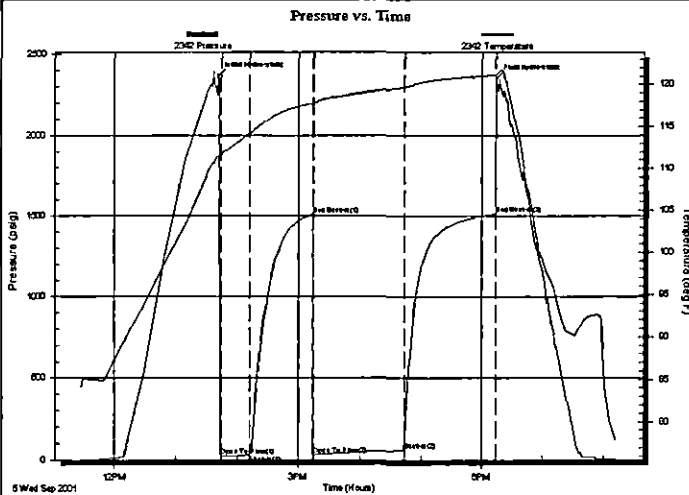
Serial #: 2342

Inside

Press@RunDepth: **58.15 psig @ 4731.00 ft (KB)**
Start Date: **2001.09.05** End Date:
Start Time: **11:27:14** End Time:

Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2001.09.05 @ 13:41:43**
Time Off Btm: **2001.09.05 @ 18:14:43**

TEST COMMENT: IF- Strong building to bottom of bucket in 30 seconds.
IS- blow died in 5 minutes
FF- strong -BOB as soon as tool open gts 5 minutis
FSI- Weak surface blow



PRESSURE SUMMARY

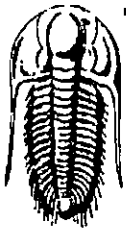
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.76	111.42	Initial Hydro-static
3	24.50	111.62	Open To Flow (1)
31	27.44	114.16	Shut-in(1)
92	1507.17	117.73	End Shut-in(1)
93	29.11	117.70	Open To Flow (2)
182	58.15	119.56	Shut-in(2)
272	1512.45	121.07	End Shut-in(2)
273	2352.32	121.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
52.00	mud	0.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	18.00	12.13
Max. Gas Rate	0.13	18.00	12.13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Advantage Resources
1775 Sherman Dr. #1900
Denver Co 80203
ATTN: Ed Ackman

#1 McElwain "B"
7 28s 17w Kiowa KS
Job Ticket: 14967 **DST#:1**
Test Start: 2001.09.05 @ 11:27:13

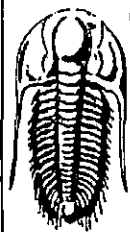
Tool Information

Drill Pipe:	Length: 4724.00 ft	Diameter: 3.80 inches	Volume: 66.27 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 66.27 bbl	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4727.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	136.00 ft			
Tool Length:	162.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4706.00	
Hydraulic tool	5.00			4711.00	
Jars	5.00			4716.00	
Safety Joint	2.00			4718.00	
Packer	4.00			4722.00	26.00 Bottom Of Top Packer
Packer	5.00			4727.00	
Stubb	1.00			4728.00	
Perforations	2.00			4730.00	
Change Over Sub	1.00			4731.00	
Recorder	0.00	2342	Inside	4731.00	
Blank Spacing	63.00			4794.00	
Change Over Sub	1.00			4795.00	
Blank Spacing	62.00			4857.00	
C.O. Sub	1.00			4858.00	
Recorder	0.00	10248	Outside	4858.00	
Bullnose	5.00			4863.00	136.00 Bottom Packers & Anchor
Total Tool Length:	162.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Advantage Resources
1775 Sherman Dr. #1900
Denver Co 80203
ATTN: Ed Ackman

#1 McElwain "B"
7 28s 17w Kiowa KS
Job Ticket: 14967 DST#: 1
Test Start: 2001.09.05 @ 11:27:13

Mud and Cushion Information

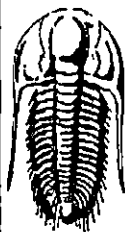
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
52.00	mud	0.729

Total Length: 52.00 ft Total Volume: 0.729 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Advantage Resources

#1 McElwain "B"

1775 Sherman Dr. #1900
Denver Co 80203

7 28s 17w Kiowa KS

Job Ticket: 14967

DST#: 1

ATTN: Ed Ackman

Test Start: 2001.09.05 @ 11:27:13

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	3.00	6.51
2	20	0.13	5.00	7.26
2	30	0.13	8.00	8.38
2	40	0.13	10.00	9.13
2	50	0.13	13.00	10.26
2	60	0.13	15.00	11.00
2	70	0.13	16.00	11.38
2	80	0.13	17.00	11.75
2	90	0.13	18.00	12.13

