

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 4058
Name: AMERICAN WARRIOR INC.
Address: PO.BOX 399,
City/State/Zip: GARDEN CITY, KS., 67846
Purchaser: ANR
Operator Contact Person: KEVIN WILES
Phone: (620) 275-2963
Contractor: Name: DUKE DRLG.
License: 5929
Wellsite Geologist: ALAN DOWNING
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 5376' Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
10-20-2000 10-28-2000 11-9-2000
Spud Date or 10-28-2000 11-9-2000
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

API No. 15- 033-21,152-0000
County: COMANCHE 45°N&21°W OF
C SE NW Sec. 33 Twp. 32S S. R. 19W East West
1935' feet from S / (N) (circle one) Line of Section
1959' feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: KERSTETTER Well #: 3-33
Field Name: UN-NAMED
Producing Formation: MISS
Elevation: Ground: 1909' Kelly Bushing: 1922'
Total Depth: 5400' Plug Back Total Depth: 5376'
Amount of Surface Pipe Set and Cemented at 618' 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 ALT 1 8/30/01 JB
(Data must be collected from the Reserve Pit)
Chloride content 16,000 ppm Fluid volume 500 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: _____
Title: PRODUCTION SUPT. Date: 5-25-2001
Subscribed and sworn to before me this 25th day of May 2001
Notary Public: Debra J. Purcell
Date Commission Expires: 11/4/03

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: 6-29-01 DAW
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
KCC

DEBRA J. PURCELL
Notary Public - State of Kansas
My Appt. Expires 11/4/03

X

Operator Name: AMERICAN WARRIOR INC. Lease Name: KERSTETTER Well #: 3-33
 Sec. 33 Twp. 32S S. R. 19W East West County: COMANCHE 45°N&21°W OF

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: CDR, DI., CAL, SOINC

Name	Top	Datum
HEEBNER	4182'	-2258
LANSING	4381'	-2438
DRUM	4593'	-2668
BKC	4858'	-2849'
MARMATON	4870'	-2949
PAWNEE	4955'	-3032
FORT SCOTT	4996'	-3089
MISS	5082'	-3158

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	28#	618'	CLASS "A"	325	3%CC, 2%GEL
PRODUCTION	7-7/8"	5-1/2"	15.5#	5399'		150	1/4%FLOCELE, D-AIR

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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	5172'-5178', 5154'-5164', 5138'-5146', 5116'-5126'	1500GALS 20%FE ACID	618'
			5399'

TUBING RECORD Size 2-3/8" Set At 5100' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Enhr. SI Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. X Gas Mcf _____ Water Bbls. SI Gas-Oil Ratio _____ Gravity _____

Disposition of Gas Ventd Sold Used on Lease (If vented, Sumit ACC-18.)

METHOD OF COMPLETION Open Hole Perf. Dualy Comp. Commingled NA

Production Interval Other (Specify) _____



CHARGE TO:
AMERICAN WARRIOR INC.
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 No 2841

PAGE 1 OF 2

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO. 3-33	LEASE KERSETTER	COUNTY/PARISH COMANCHE	STATE KS	CITY	DATE 10-29-00	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DUKE DRILLING #7	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE GAS	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" LONGSTRECK	WELL PERMIT NO.	WELL LOCATION COLDWATER Ss, 3w, 2s, 1w, ss		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 105	70		MI		2.50	175.00
578		1			PUMP SERVICE	54		HOPT		1200.00	1200.00
280		1			FLOCKER 21	850		GA		1.50	1275.00
406		1			LATCH DOWN PLUG - RAFFLE	1		EA	5 1/2"	200.00	200.00
407		1			INSERT FLOAT SHOT W/ WARD FEEL	1		EA		200.00	200.00
402		1			CONTRACTORS	10		EA		40.00	400.00
403		1			CEMENT BASKET	2		EA		110.00	220.00

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 05 2001
 CONSERVATION DIVISION
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 STATE CORPORATION COMMISSION
 JUN 13 2001
 CONSERVATION DIVISION

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X *[Signature]*
 DATE SIGNED **10-29-00** TIME SIGNED **1500**
 AM P.M.
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	3670.00
CONTRACTOR	3722.73
TAX	7392.73
TOTAL	

ORIGINAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR
WAKE WISW
 APPROVAL

Thank You!

1.3162755067 P.01

TO

05-31-2001 01:17PM FROM



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. **2841**

CUSTOMER **AMERICAN LAUREL INC.** WELL **KERSETTER 3-33** DATE **10-29-00** PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QUANTITY				UNIT PRICE	AMOUNT
		LOC	DATE	FOR			QTY	UNIT	QTY	UNIT		
33D		1				SMDC	150	SUS			9.50	1425.00
287		1				GASSTOP	300	LBS			4.50	1350.00
285		1				CFR-1	70	LBS			2.75	192.50
290		1				D-ADR	70	LBS			2.75	192.50
581		1				SERVICE CHARGE					1.00	159.00
		1				LEASE CHARGE					.75	403.73

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WICHITA, KANSAS

ORIGINAL

CONTINUATION TOTAL **3722.73**

05-31-2001 01:18PM FROM

TO

13162755067

P.02

JOB LOG

SWIFT Services, Inc. ORIGINAL

DATE 10-29-00 PAGE NO.

CUSTOMER AMERICAN LINCOLN, NC WELL NO. 3-33 LEASE KRESSETZ JOB TYPE 5 1/2" LONGSPRING TICKET NO. 2841

CHART NO.	TIME	RATE (BPM)	VOLUME (BBBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							ON LOCATION
								TD - 5400' 5 1/2" - 15.5 #
								TP - 5416' SET 1' OFF BTM
								ST - 20'
	1250							RECEIVED STATE CORPORATION COMMISSION JUN 05 2001 START CASING 2ND WELL
	1500							CONSERVATION DIVISION WICHITA, KANSAS DROP BALL BREAK CIRCULATION
	1530							PLUG BATHOLE - MOUSEHOLE
	1535	6	5				400	5 BBL H2O SPACER
		6	20.2				400	850 GAL FLOCHER - 21
		6	5				400	5 BBL H2O SPACER
	1540	6					400	MAX CEMENT
			54.8				300	FLUSH MUDLOG CEMENT WASH OUT PUMP - LOGS
	1555	7	0					RELEASE CATCH DOWN PLUG DISPLACE PLUG
	1615		128.4				1500	PLUG DOWN
							OK	RELEASE PSZ - HELD WASH UP BACK UP
	1700							JOB COMPLETE
								THANK YOU WANT HAVE DUSTY



State of Kansas
Kansas Corporation Commission
130 S. Market - Room 2078
Wichita, Kansas 67202

RECEIVED
STATE CORPORATION COMMISSION

JUN 05 2001

CONSERVATION DIVISION
WICHITA, KANSAS

Dear Corporation Commission,

American Warrior, Inc. request that you please hold the enclosed information confidential for as long as the law allows.

Thank you.

Sincerely,

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STATE CORPORATION COMMISSION

JUN 05 2001

CONSERVATION DIVISION
WICHITA, KANSAS

Kevin Wiles, Sr
Production Manager

KW/kk
enclosure

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JUN 05 2001

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JUN 05 2001

CONSERVATION DIVISION
WICHITA, KANSAS

CONSERVATION DIVISION
WICHITA, KANSAS

American Warrior, Inc.

P.O. Box 399 • Garden City, Kansas 67846 • (316) 275-9231



Kansas Corporation Commission

Bill Graves, Governor John Wine, Chair Cynthia L. Claus, Commissioner Brian J. Moline, Commissioner

AMERICAN WARRIOR, INC.
Attn: KEVIN WILES, SR.
P.O. BOX 399
GARDEN CITY, KS. 67846

JUNE 29, 2001

Re: Confidentiality of Information on
Lease: KERSTETTER #3-33
A.P.I. #15-033-21152-0000
Sec.33-Twn.32S-Rng.19W.
COMANCHE County, Kansas

*Need stamp
In
DATE
6-5-01*

Dear Kevin Wiles, Sr.:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection (d) of that regulation states that "all rights to confidentiality shall be lost if the filings are not timely".

The above-referenced well was spudded on October 10, 2001 and the ACO-1 was received on June 5, 2001 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316) 337-6200.

Sincerely,

A handwritten signature in cursive script that reads "David P. Williams".

David P. Williams
Production Supervisor

DPW/sa

ALLIED CEMENTING CO., INC. 4248

Federal Tax I.D.# 48-0727860

TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL SERVICE POINT: Med Lodge

DATE <u>10-20-00</u>	SEC <u>33</u>	TWP. <u>32S</u>	RANGE <u>19W</u>	CALLED OUT <u>11:30 AM</u>	ON LOCATION <u>5:00 AM</u>	JOB START <u>10:00 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Kerstetter</u>		WELL # <u>3-33</u>		LOCATION <u>Coldwater 5S 3W 2N</u>		COUNTY <u>Comanche</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>3/4 W 5/8</u>			

CONTRACTOR Duke #7
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 620
 CASING SIZE 8 5/8 DEPTH 618
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 500 # MINIMUM 200 #
 MEAS. LINE _____ SHOE JOINT 41.91
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 36 3/4 Fresh H₂O

OWNER American Warrior
 CEMENT
 AMOUNT ORDERED 225 SX 6.5, 35.6 + 3%
CC + 4" Fl-seal 100 SX class A + 3%
cc + 2% gel

COMMON	<u>100</u>	@	<u>6.35</u>	<u>635.00</u>
POZMIX		@		
GEL	<u>2</u>	@	<u>9.50</u>	<u>19.00</u>
CHLORIDE	<u>11</u>	@	<u>28.00</u>	<u>308.00</u>
FLW	<u>229</u>	@	<u>6.00</u>	<u>1374.00</u>
FL-SEAL	<u>56 #</u>	@	<u>1.15</u>	<u>64.40</u>
		@		
		@		
HANDLING	<u>350</u>	@	<u>1.05</u>	<u>367.50</u>
MILEAGE	<u>350</u>	x	<u>.45</u>	<u>157.50</u>
RECEIVED				
				TOTAL <u>3373.90</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Justin Hart
 # 261-265 HELPER Mark Brungardt
 BULK TRUCK
 # 259-252 DRIVER Jason T
 BULK TRUCK
 # _____ DRIVER _____

STATE CORPORATION COMMISSION
 JUN 05 2001

REMARKS:
Pipe on bottom break Circ. Mix
225 SX 6.5, 35.6 @ 12.5 # Mix 100
SX A 3/2 @ 15.2 # shut down Release
Plug Start Disp. @ 5 BPM Slow Rate
@ 132 BBLs Dump Plug @ 36 3/4 BBLs
200 # to 500 # shut head in
Circulated cement

CONSERVATION DIVISION
 WICHITA, KANSAS

SERVICE

DEPTH OF JOB	<u>620'</u>		
PUMP TRUCK CHARGE	<u>0-300'</u>		<u>410.00</u>
EXTRA FOOTAGE	<u>330'</u>	@	<u>.43</u> <u>137.60</u>
MILEAGE	<u>45</u>	@	<u>3.00</u> <u>135.00</u>
PLUG	<u>Rubber 8 7/8"</u>	@	<u>90.00</u> <u>90.00</u>
		@	
		@	
TOTAL <u>832.60</u>			

CHARGE TO: American Warrior
 STREET P.O. Box 399
 CITY GARDEN CITY STATE KANSAS ZIP 67846

FLOAT EQUIPMENT

<u>1-Baffle Plate</u>	@	<u>45.00</u>	<u>45.00</u>
<u>2-Baskets</u>	@	<u>180.00</u>	<u>360.00</u>
	@		
	@		
TOTAL <u>405.00</u>			

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 _____
 TOTAL CHARGE 4611.50
 DISCOUNT 461.15 IF PAID IN 30 DAYS
4150.35

SIGNATURE Kenneth K. McGuire KENNETH K. MCGUIRE
 PRINTED NAME

WELL NAME

Kerstetter 3-33

COMPANY

American Warrior Inc

LOCATION

33-32s-19w

Comanche co Kansas

DATE

11/3/00

RECEIVED
STATE CORPORATION COMMISSION

ORIGINAL JUN 03 2001

CONSERVATION DIVISION
WICHITA, KANSAS

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : American Warrior Inc.

DATE 10-27-00

WELL NAME: Kerstetter "3-33"

KB 1922.00 ft

TICKET NO: 13093 DST #1

LOCATION : 33-32S-19W Comanche co KS

GR 1909.00 ft

FORMATION: Pawnee/Fort Scott

INTERVAL : 4945.00 To 5014.00 ft

TD 5014.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10242	10242	Alpine			PF Fr. 0515 to 0530 hr
SI 30 Range(Psi)	4100.0	4100.0	5000.0	0.0	0.0	IS Fr. 0530 to 0600 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 0600 to 0700 hr
FS 90 Depth(ft)	5011.0	5011.0	4949.0	0.0	0.0	FS Fr. 0700 to 0830 hr

	Field	1	2	3	4	
A. Init Hydro	2450.0	0.0	2375.0	0.0	0.0	T STARTED 0335 hr
B. First Flow	245.0	0.0	144.0	0.0	0.0	T ON BOTM 0513 hr
Bl. Final Flow	217.0	0.0	106.0	0.0	0.0	T OPEN 0515 hr
C. In Shut-in	1850.0	0.0	1825.0	0.0	0.0	T PULLED 0830 hr
D. Init Flow	226.0	0.0	117.0	0.0	0.0	T OUT 1045 hr
E. Final Flow	205.0	0.0	103.0	0.0	0.0	
F. Fl Shut-in	1856.0	0.0	1818.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2445.0	0.0	2352.0	0.0	0.0	Tool Wt. 2300.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 14000.00 lbs
						Initial Str Wt 75000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 356.00 ft
						D.P. Length 4575.00 ft

RECOVERY

Tot Fluid 175.00 ft of 175.00 ft in DC and 0.00 ft in DP
 4756.00 ft of Gas in Pipe
 175.00 ft of Slight Gas. cut Mud 4%Gas 96%Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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 WICHITA, KANSAS

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong bottom of bucket in 30 sec
 Gas to surface in 4 minutes
 gauged 259,000cfpd
 Initial Shutin:
 No blow back

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CONSERVATION DIVISION
 WICHITA, KANSAS

Final Flow:

Gauged as low as 398,000 & as high as
 639,000cfpd. Had rust plugging
 3/4" choke on & off

Final Shutin:

1/2" blow back
 Est. 5ft. of pay. Gas burned

SAMPLES: One

SENT TO:Caraway

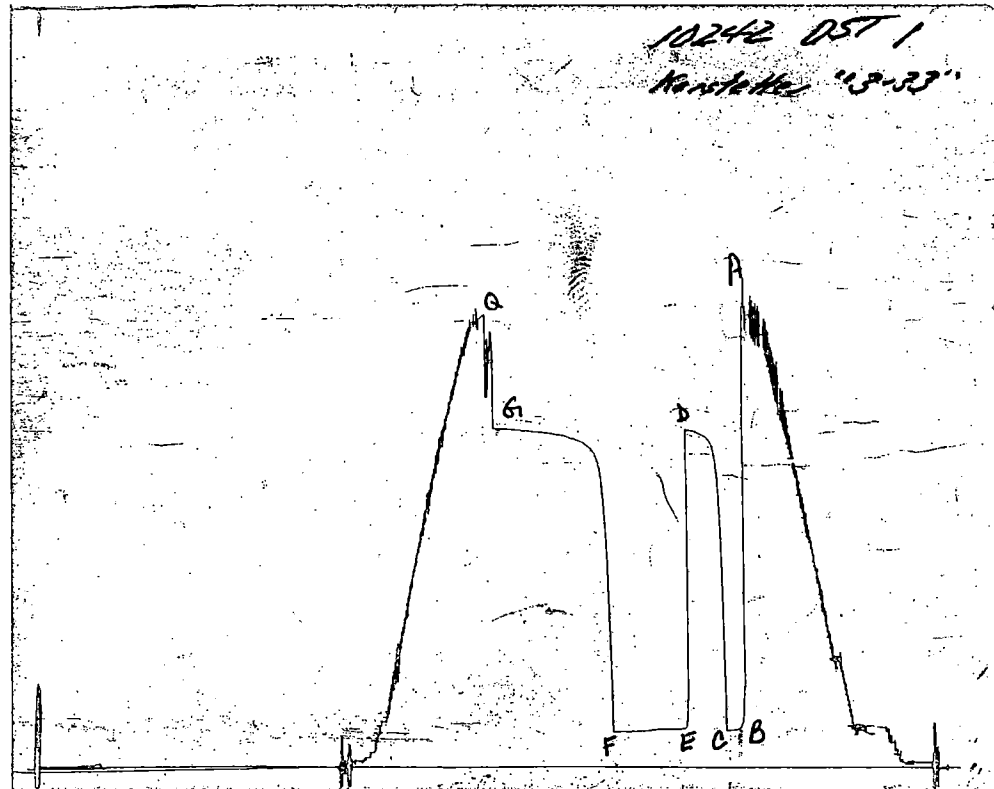
MUD DATA-----

Mud Type	Chem.
Weight	9.10 lb/cf
Vis.	46.00 S/L
W.L.	12.90 in3
F.C.	0.00 in
Mud Drop Y	10.0 ft

Amt. of fill	3.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Al Downing
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13093

Test Ticket

Well Name & No. Keoketter "2-33" Test No. 1 Date 10-27-00
 Company American Wellco Inc. Zone Tested Pounce / Fort Scott
 Address PO Box 399 G.C. KS 67846-0399 Elevation 1922 KB 1909 GL
 Co. Rep / Geo. Al Downing Cont. Duke Rig 7 Est. Ft. of Pay 5 Por. 10 %
 Location: Sec. 33 Twp. 32.5 Rge. 19W Co. Comanche State KS
 No. of Copies Req Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4945-5014 Initial Str Wt./Lbs. 75,000 Unseated Str Wt./Lbs. 76,000
 Anchor Length 69 Tool=27 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 14,000
 Top Packer Depth 4940 Tool Weight 2,300
 Bottom Packer Depth 4945 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5014 Wt. Pipe Run — Drill Collar Run 356
 Mud Wt. 9.1 LCM 2* Vis. 46 WL 12.9 Drill Pipe Size 4 1/2 xH Ft. Run 4575 12'40"
 Blow Description Strong ORB in 30 sec. BTS in 4 min. See Flow Chart. T.F.P.
No flow-back. T.S.T.P.
See Flow Chart. F.F.P.
1/2" flow-back. F.S.T.P.

Recovery — Total Feet 175 GIP 4,756 Ft. in DC 175 Ft. in DP 0
 Rec. 175 Feet Of 51.65 cut mud %gas — %oil — %water 96 %mud —
 Rec. — Feet Of — %gas — %oil — %water — %mud —
 Rec. — Feet Of — %gas — %oil — %water — %mud —
 Rec. — Feet Of — %gas — %oil — %water — %mud —
 Rec. — Feet Of — %gas — %oil — %water — %mud —
 BHT 120 °F Gravity — °API D@ — °F Corrected Gravity — °API
 RW — @ — °F Chlorides — ppm Recovery Chlorides 6,000 ppm System

	AK-1	Alpine	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2450</u>	<u>2375</u>	<u>3017 "03-27"</u>	<u>2:00 AM</u>
(B) First Initial Flow Pressure	<u>245</u>	<u>144</u>	(depth) <u>4949</u>	T-Started <u>3:35 AM</u>
(C) First Final Flow Pressure	<u>217</u>	<u>106</u>	Recorder No. <u>10242</u>	T-Open <u>5:15 AM</u>
(D) Initial Shut-In Pressure	<u>1850</u>	<u>1825</u>	(depth) <u>5011</u>	T-Pulled <u>8:30 AM</u>
(E) Second Initial Flow Pressure	<u>226</u>	<u>117</u>	Recorder No. <u>—</u>	T-Out <u>10:45 AM</u>
(F) Second Final Flow Pressure	<u>205</u>	<u>103</u>	(depth) <u>—</u>	T-Off Location <u>—</u>
(G) Final Shut-in Pressure	<u>1856</u>	<u>1818</u>	Initial Opening <u>15</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2445</u>	<u>2352</u>	Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/>
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in <u>90</u>	Straddle <u>—</u>
				Circ. Sub <input checked="" type="checkbox"/>
				Sampler <u>—</u>
				Extra Packer <u>—</u>
				Elec. Rec. <input checked="" type="checkbox"/>
				Mileage <u>60</u>
				Other <u>—</u>

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Approved By [Signature]

Our Representative [Signature]

TOTAL PRICE \$ 4,310⁰⁰