

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 4058  
Name: American Warrior Inc.  
Address P.O. box 399  
Garden City,  
City/State/Zip Kansas 67846

Purchaser: none  
Operator Contact Person: Kevin Wilo Sr.  
Phone (816) 327-2963  
Contractor: Name: Duke Drlg.  
License: 5929

Wellsite Geologist: Alan Dowling  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SUD  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SUD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SUD or Inj?)  Docket No. \_\_\_\_\_  
11-10-98 11-20-98 11-20-98  
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20-978-0000  
County Comanche  
85/n50/e se/sw <sup>ne.</sup> Sec. 29 Twp. 32 Rng. 19  <sup>E</sup>  <sup>W</sup>  
1650 Feet from S/N (circle one) Line of Section  
1980 Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)  
Lease Name Bird Well # 1-29  
Field Name Wild Cat  
Producing Formation D/A  
Elevation: Ground 1927 KB 1940  
Total Depth 5350 PBTD d.a.  
Amount of Surface Pipe Set and Cemented at 644 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 cat  
Drilling Fluid Management Plan Per 9-10-99 I.R.  
(Data must be collected from the Reserve Pit)  
Chloride content 10,000 ppm Fluid volume 400 bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name KBW oil&gas  
Lease Name Harmon swd. License No. 5993  
NW 1/4 Quarter Sec. 11 Twp. 33 S Rng. 20  XB2W  
County Comanche Docket No. 98329

KANSAS CORPORATION COMMISSION

OIL & GAS CONSERVATION DIVISION  
WICHITA, KANSAS

AUG 18 1999

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 [Signature]  
Title Production SUPT. Date 8-16-99  
Subscribed and sworn to before me this 16th day of August  
19 99  
Notary Public Debra Purcell  
Date Commission Expires 11-4-99

DEBRA J. PURCELL  
Notary Public - State of Kansas  
My Appt. Expires 11/4/99

9-7-99  
K.C.C. OFFICE USE ONLY Debra Purcell  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SUD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

SIDE TWO

Operator Name American Warrior Inc. Lease Name Bird Well # 1-29  
 Sec. 29 Twp. 32 Rge. 19  East  West  
 County Comanche

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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:  
 none

Name	Top	Datum
Heebner	4191	-2251
Toronto	4231	-2273
Lansing	4400	-2460
Drum	4618	-2678
KC.A.	4739	-2799
KC.B.	4800	-2860
BKC.	4882	-2942
Marmaton	4898	-2958
Pawnee	4976	-3036
Fort Scott	5020	-3080
Cherokee	5032	-3092
Miss	5119	-3179

**CASING RECORD**  New  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	23#	644	60/40.poz	250	2%qe1&3%c

**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
	D&A		
	AUG 18 1993		
	8-18-93 CONSERVATION DIVISION WICHITA, KS		

**TUBING RECORD**

Size none Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SVD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	d/a.							

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# ALLIED CEMENTING CO., INC. ORIGINAL

Federal Tax ID # 48-0727880

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

SERVICE POINT:  
Medicine Lodge

DATE 11-11-98	SEC 28	TWP 323	RANGE 19W	CALLED OUT 1:00 pm	ON LOCATION 2:45 pm	JOB START 5:33 pm	JOB FINISH 6:25 pm
LEASE Bred	WELL # 1-29	LOCATION Coldwater gas wash			COUNTY Comanche	STATE KS.	
OLD OR <u>NEW</u> (Circle one)		1 1/2 W, 29, 2 1/2 W, 29, 4 W					

CONTRACTOR Duke Rig #1 OWNER AMERICAN WARRIOR

TYPE OF JOB Surface CEMENT

HOLE SIZE 12 1/4 T.D. 655 AMOUNT ORDERED 225 sx 65:35:6:3 cc + 1/4 fl

CASING SIZE 8 1/2 x 24 DEPTH 645 + 150 sx CLASS A + 3 cc + 2 cc gel

TUBING SIZE DEPTH COMMON 150 @ 6.35 957.50

DRILL PIPE DEPTH POZMIX @

TOOL DEPTH GEL 3 @ 9.50 28.50

PRES. MAX 100 MINIMUM 100 CHLORIDE 13 @ 28.00 364.00

MEAS. LINE SHOE JOINT 29.92 ALW 225 @ 6.00 1350.00

CEMENT LEFT IN CSG. FLO-SEAL 56# @ 1.15 64.40

PERFS. HANDLING 375 @ 1.05 393.75

DISPLACEMENT 40 g bbls freshwater MILEAGE 375 x .50 @ .04 150.00

EQUIPMENT TOTAL \$3903.1

REMARKS: SERVICE

Pipe on bottom break circulation w/ Rig pump  
Pump 5 bbls freshwater, pump 225 sx 65:35:6:3 cc +  
1/4 flo-seal + pump 150 sx CLASS A + 3 cc + 2 cc flo-seal  
Cement in stop pumps, switch valves + Release plug  
Displace with 40 bbls freshwater Pump plug.  
+ shut in, cement did circulate

DEPTH OF JOB 645'  
PUMP TRUCK CHARGE 0-300' 470.00  
EXTRA FOOTAGE 345' @ .43 148.35  
MILEAGE 50 @ 2.95 147.50  
PLUS Rubber 898' @ 90.00 90.00

TOTAL \$850.85

CHARGE TO: AMERICAN WARRIOR  
STREET P.O. Box 399  
CITY GARDEN CITY STATE KANSAS ZIP 67846

FLOAT EQUIPMENT  
+ Baffle plate @ 135.00 135.00  
+ Basket @ 200.00 200.00  
+ Centralizer @ 61.00 61.00

TOTAL \$396.00

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 Kenneth McGuire

TAX \_\_\_\_\_  
TOTAL CHARGE 5150.00  
DISCOUNT 772.50 IF PAID IN 30 DAYS  
\$ 4377.50  
KENNETH MCGUIRE  
PRINTED NAME

RECEIVED  
ALLIED CEMENTING CO.  
SEP 10 1999

# ALLIED CEMENTING CO., INC.

# ORIGINAL

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

11-20-98 11-21-98

DATE 11-21-98	SEC 29	TWP 32	RANGE 19	CALLED OUT 6:30 PM	ON LOCATION 11:30 PM	JOB START 8:55 AM	JOB FINISH 3:00 AM
LEASE Bird	WELL # 1-29	LOCATION Coldwater - 5 miles S. of Jct.			COUNTY Comanche	STATE KS	
OLD OR NEW (Circle one)			Buret, 3000ft, 1000ft South into				

CONTRACTOR Dude #7 OWNER Sherrill

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8" C.D. 5350'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

DRILL PIPE 4 1/2" DEPTH 1000'

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

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

MEAS. LINE \_\_\_\_\_ SHOR. JOINT \_\_\_\_\_

CEMENT LEFT IN CSC. \_\_\_\_\_

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

DISPLACEMENT \_\_\_\_\_

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Tim D

# 181 HELPER Paul B

BULK TRUCK DRIVER Red W

# 343

BULK TRUCK DRIVER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 14.5 cu yds @ 11.62 cu yds

COMMON	<u>15 cu</u>	@	<u>6.35</u>	<u>476.25</u>
POZMIX	<u>50 cu</u>	@	<u>2.25</u>	<u>162.50</u>
GEL	<u>7 cu</u>	@	<u>9.50</u>	<u>66.50</u>
CHLORIDE		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>125 cu</u>	@	<u>1.05</u>	<u>131.25</u>
MILEAGE	<u>1250.44</u>	@	<u>50</u>	<u>250.00</u>
TOTAL				<u>\$ 1086.50</u>

REMARKS:

Mixed - 40 cu @ 1000'

50 cu @ 670'

10 cu @ 40'

15 cu in Rottable

10 cu in Manhole

Thanks

SERVICE

DEPTH OF JOB 1000'

PUMP TRUCK CHARGE \_\_\_\_\_ 470.00

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

MILEAGE 50 cu @ 2.75 142.50

PLUG 1-5 3/8" Handole @ 23.00

TOTAL 635.00

CHARGE TO: American Warrion Inc

STREET P.O. Box 399

CITY Andover city STATE Ks ZIP 67524-0399

FLOAT EQUIPMENT

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

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

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

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

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

TOTAL \_\_\_\_\_

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 Kenneth M. Gunk

TAX \_\_\_\_\_

TOTAL CHARGE 1721.00

DISCOUNT 258.23 IF PAID IN 30 DAYS

Net 1463.27

SIGNATURE X Kenneth M. Gunk

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

RECEIVED  
 10 12 27



ORIGINAL

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

Sept. 7, 1999

Re: Confidentiality of Information on  
Lease: Bird #1-29  
A.P.I.#15-033-20978  
Sec.29-Twn.32S.-Rng.19W.  
Comanche County, Kansas

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 Nov. 10, 1998 and the ACO-1 was received on Aug. 18, 1999 (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



ORIGINAL

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 13 1999

CONSERVATION DIVISION  
WICHITA, KS

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

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,

Kevin Wiles, Sr  
Production Manager

KW/kk  
enclosure

*Deny conf.  
over 120 days*

**American Warrior, Inc.**

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

ORIGINAL

Well Name: Bird #1-29  
Company: American Warrior Inc.  
Location: 29-32s-19w  
Comanche County Kansas  
Date: 11-23-98

REGISTRATION  
STATE OF KANSAS COMMISSION

NOV 19 1998

COMMANCHE COUNTY  
KANSAS

## TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc. DATE 11/18/199  
 WELL NAME: Bird #1-29 KB 1940.00 ft TICKET NO: 11874 DST #1  
 LOCATION : 29-32s-19w Comanche co KS GR 1927.00 ft FORMATION: Ft. Scott, Cherokee, Pw  
 INTERVAL : 4990.00 To 5063.00 ft TD 5063.00 ft TEST TYPE: CONVENTIONAL

### RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 0251 to 0321 hr
SI 30 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0321 to 0351 hr
SF 45 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 0351 to 0436 hr
FS 45 Depth (ft )	5060.0	5060.0	5001.0	0.0	0.0	FS Fr. 0436 to 0521 hr

	Field	1	2	3	4	
A. Init Hydro	2448.0	2431.0	2435.0	0.0	0.0	T STARTED 2357 hr
B. First Flow	71.0	67.0	23.0	0.0	0.0	T ON BOTM 0249 hr
B1. Final Flow	91.0	77.0	41.0	0.0	0.0	T OPEN 0251 hr
C. In Shut-in	1549.0	1551.0	1542.0	0.0	0.0	T PULLED 0521 hr
D. Init Flow	101.0	103.0	52.0	0.0	0.0	T OUT 0700 hr
E. Final Flow	132.0	117.0	81.0	0.0	0.0	
F. Fl Shut-in	1590.0	1594.0	1572.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2458.0	2448.0	2327.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs

### RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP  
 270.00 ft of Gas in pipe  
 0.00 ft of  
 80.00 ft of Very slight gas cut mud 2%gas 98%mud  
 70.00 ft of Slight mud cut water 85%water 15%mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 110000.00 P.P.M. A.P.I. Gravity 0.00

### BLOW DESCRIPTION

**Initial Flow:**  
 Weak surface blow built to 6" in water bucket

**Initial Shutin:**  
 Bled down for 5 minutes no blow back

**Final Flow:**  
 Weak blow built to 6" in water

**Final Flow:**  
 Bled down for 10 minutes no blow back

SAMPLES:  
 SENT TO:

### MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	51.00 S/L
W.L.	11.60 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Al Downing
Contr.	Duke
Rig #	7
Unit #	no
Pump T.	none

Test Successful: Y



\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Bird #1-29

LOCATION : 29-32s-19w Comanche co KS

TICKET No. 11874 D.S.T. No. 1 DATE 11/18/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 12

TOTAL TOOL ..... 40

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands 1 Single Total 61

TOTAL ASSEMBLY ..... 101

C. ABOVE TOOLS.Stands5 Single Total 294

P. ABOVE TOOLS.Stands76 Single Total 4735

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5069

TOTAL DEPTH ..... 5063

TOTAL DRILL PIPE ABOVE K.B. .... 6

REMARKS:

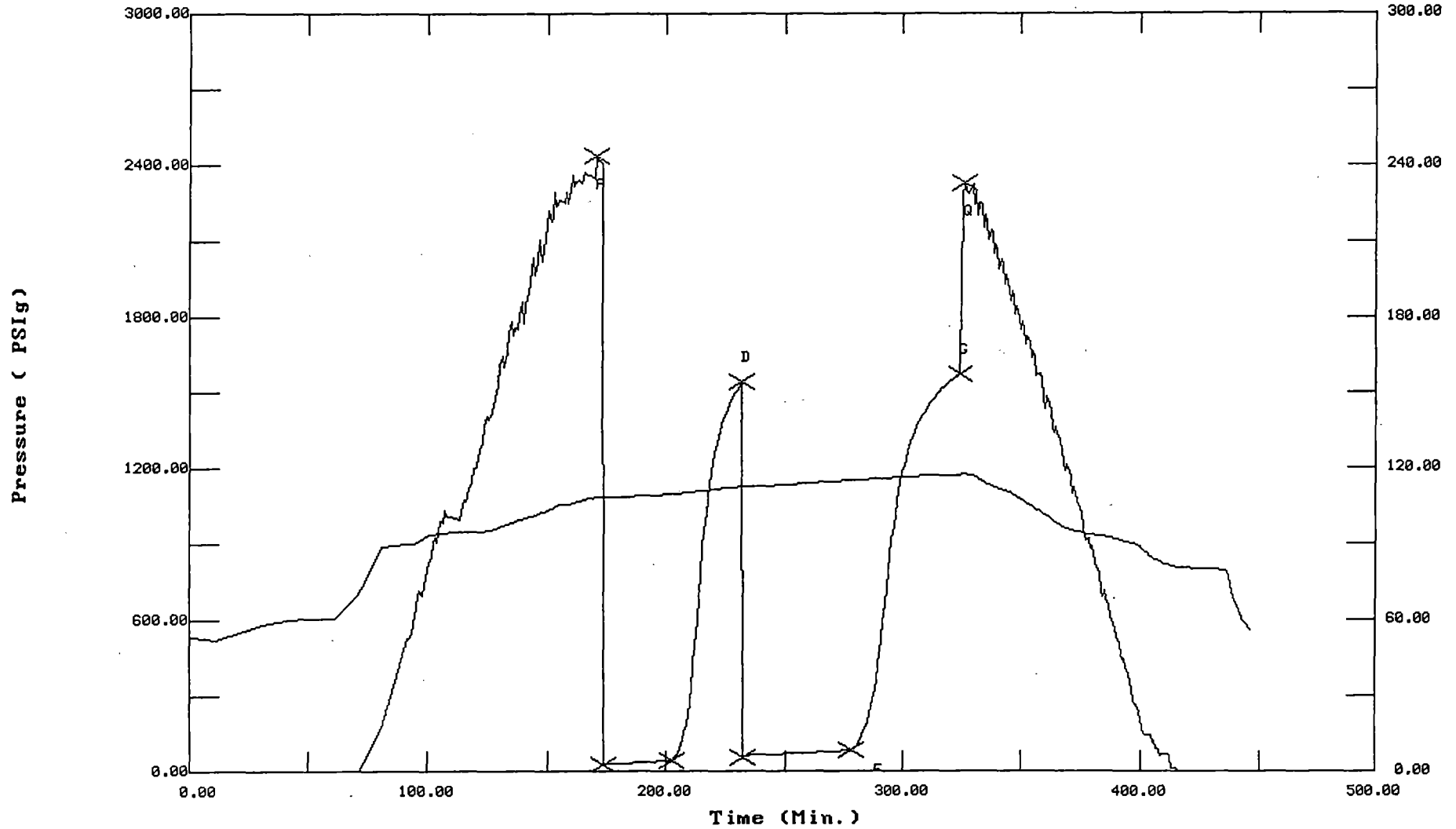
P.O. SUB top of tool @	4963
C.O. SUB	4964
S.I. TOOL	4969
HMV	4974
JARS	4979
SAFETY JOINT	4981
PACKER	4985
PACKER	4990
DEPTH 4990	
STUBB 1'to	4991
ANCHOR 5'of perfs.to	4996
Alpine rec.@ 5001	
62'of drillpipe to	5058
T.C. DEPTH	
	5058
Ak-1 rec.@ 5060	
BULLNOSE 5'bullnose to T.D.	5063

# TEST HISTORY

Tk#11874 DST#1 Bird-#1-29 American Warrior, Inc.

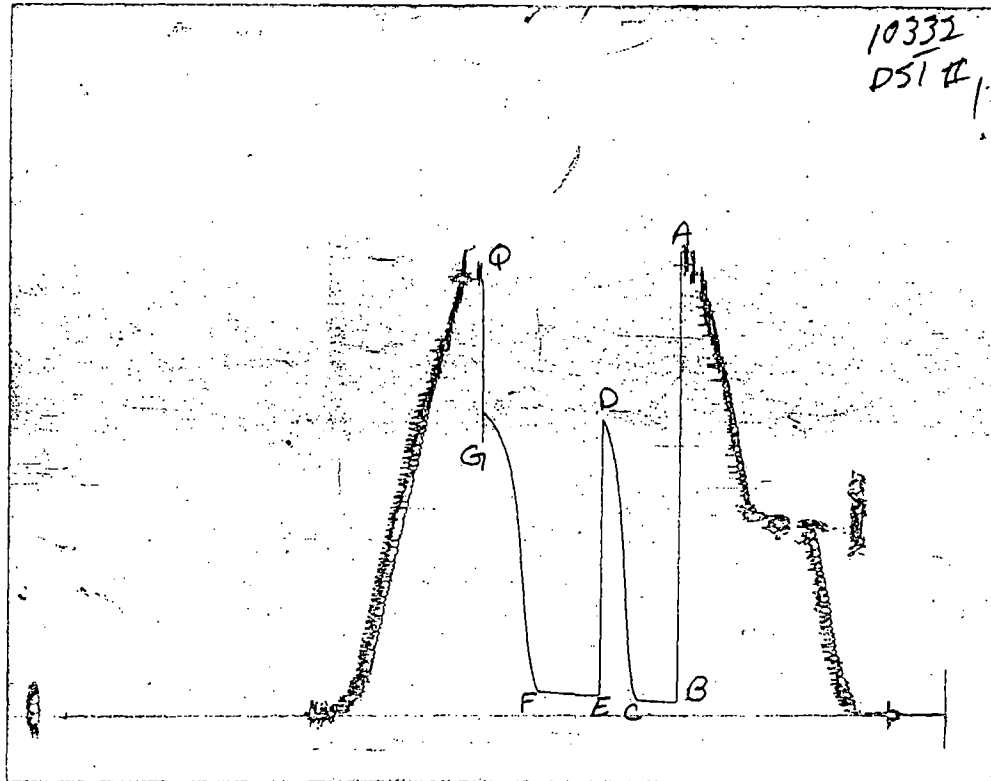
Flag Points  
t (Min.) P (PSig)

A:	0.00	2435.46
B:	0.00	22.84
C:	29.25	40.64
D:	29.25	1541.60
E:	0.00	51.59
F:	45.00	81.13
G:	46.50	1572.36
Q:	0.00	2326.97



Temperature (DEG F)

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

## Test Ticket

No 11874

Well Name & No. <u>Bird #1-29</u>	Test No. <u>#1</u>	Date <u>11/18/1998</u>
Company <u>American Warrior, Inc.</u>	Zone Tested <u>Ft. Scott, Cherokee, Runne</u>	
Address <u>P.O. box 300 Garden City Kansas 67824-0397</u>	Elevation <u>1940</u>	KB <u>1927</u> GL
Co. Rep / Geo. <u>AL Downing</u>	Cont. <u>Duke #7</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>29</u>	Twp. <u>32 S</u>	Rge. <u>19 W</u> Co. <u>Comanche</u> State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4990' - 5063'</u>	Initial Str Wt./Lbs. <u>86,000</u>	Unseated Str Wt./Lbs. <u>86,000</u>
Anchor Length <u>73'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>90,000</u>
Top Packer Depth <u>4985'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4990'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>5063'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>294'</u>
Mud Wt. <u>9.1</u> LCM <input checked="" type="checkbox"/> Vis. <u>51</u> WL <u>11.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4735'</u>
Blow Description <u>IF: Weak surface blow built to 6" in #120.</u>		
<u>ISI: Bled down for 5 mins so SD.</u>		
<u>FF: Weak blow built to 6" in #120.</u>		
<u>FSI: Bled down for 10 mins</u>		

Recovery — Total Feet <u>150</u>	GIP <u>270'</u>	Ft. in DC <u>150'</u>	Ft. in DP <u>117</u>
Rec. <u>80'</u>	Feet Of <u>VSGCM</u>	2 %gas	%oil _____ %water <u>8</u> %mud _____
Rec. <u>70'</u>	Feet Of <u>SOLU</u>	%gas _____ %oil <u>85</u>	%water <u>15</u> %mud _____
Rec. <u>270</u>	Feet Of <u>Open Pipe</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>117°</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API _____
RW <u>.1</u>	@ <u>50</u> °F	Chlorides <u>110,000</u> ppm	Recovery Chlorides <u>6,500</u> ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2448</u>	<u>2435</u>		<u>2357</u>	<u>23:10:00</u>
(B) First Initial Flow Pressure	<u>71</u>	<u>23</u>	PSI	(depth) <u>5001'</u>	T-Started <u>23:52:00</u>
(C) First Final Flow Pressure	<u>91</u>	<u>41</u>	PSI	Recorder No. <u>10552</u>	T-Open <u>02:51:00</u>
(D) Initial Shut-In Pressure	<u>1549</u>	<u>1542</u>	PSI	(depth) <u>5060'</u>	T-Pulled <u>05:21:00</u>
(E) Second Initial Flow Pressure	<u>101</u>	<u>52</u>	PSI	Recorder No. _____	T-Out <u>07:00:00</u>
(F) Second Final Flow Pressure	<u>132</u>	<u>81</u>	PSI	(depth) _____	T-Off Location <u>08:00:00</u>
(G) Final Shut-in Pressure	<u>1590</u>	<u>1572</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2458</u>	<u>2327</u>	PSI	Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/>
				Final Flow <u>45</u>	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in <u>45</u>	Straddle _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By AL Downing  
 Our Representative Darren Cowling

Mileage \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc.

DATE 11/19/199

WELL NAME: Bird #1-29

KB 1940.00 ft

TICKET NO: 11875

DST #2

LOCATION : 29-32s-19w Comanche co KS

GR 1927.00 ft

FORMATION: Miss.

INTERVAL : 5129.00 To 5178.00 ft

TD 5178.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	2357			PF Fr. 0005 to 0035 hr
SI 30	Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0035 to 0105 hr
SF 30	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0105 to 0135 hr
FS 30	Depth(ft )	5175.0	5175.0	5145.0	0.0	0.0	FS Fr. 0135 to 0205 hr

	Field	1	2	3	4	
A. Init Hydro	2529.0	2523.0	2497.0	0.0	0.0	T STARTED 2142 hr
B. First Flow	51.0	62.0	21.0	0.0	0.0	T ON BOTM 0003 hr
B1. Final Flow	41.0	52.0	21.0	0.0	0.0	T OPEN 0005 hr
C. In Shut-in	91.0	103.0	72.0	0.0	0.0	T PULLED 0205 hr
D. Init Flow	41.0	52.0	19.0	0.0	0.0	T OUT 0345 hr
E. Final Flow	41.0	52.0	19.0	0.0	0.0	
F. Fl Shut-in	91.0	94.0	64.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2518.0	2505.0	2451.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP  
 160.00 ft of Gas in drill collar  
 20.00 ft of Very slight gas cut mud 1% gas 99% 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

Unseated Str Wt 86000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 294.00 ft  
 D.P. Length 4861.00 ft

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

MUD DATA-----

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 3 1/2" died  
 back to weak surface blow

Initial Shutin:  
 No blow back

Final Flow:  
 Weak blow built to 1" died in  
 14 minutes

Final Shutin:  
 No blow back

SAMPLES:  
 SENT TO:

Mud Type Chemical  
 Weight 9.00 lb/c  
 Vis. 46.00 S/L  
 W.L. 9.00 in3  
 F.C. 0.32 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 115.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Al Downing  
 Contr. Duke  
 Rig # 7  
 Unit # no  
 Pump T. none

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Bird #1-29

LOCATION : Sec.29 Twp.32s Rge.19w

TICKET No. 11875 D.S.T. No. 2 DATE 11/19/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... \8

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 17

TOTAL TOOL ..... 45

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 32

TOTAL ASSEMBLY ..... 77

D.C. ABOVE TOOLS.Stands5 Single Total 294

D.P. ABOVE TOOLS.Stands79 Single Total 4861

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5200

TOTAL DEPTH ..... 5178

TOTAL DRILL PIPE ABOVE K.B. .... 22

REMARKS:

P.O. SUB top of tool @	5102
C.O. SUB	5103
S.I. TOOL	5108
HMV	5113
JARS	5118
SAFETY JOINT	5120
PACKER	5124
PACKER	5129
DEPTH 5129	
STUBB 1'to	5130
ANCHOR 11'of perfs.to	5141
Alpine rec.@ 5145	
32'of drillpipe to	5173
	5173
T.C. DEPTH	
	5173
Ak-1 rec.@ 5175	
BULLNOSE 5'bullnose to	5178
T.D.	

# TEST HISTORY

Tk#11875 DST#2 Bird #1-29 American Warrior, Inc.

Flag Points

t<Min.> P<PSIg>

A:	0.00	2496.78
B:	0.00	21.31
C:	30.00	20.71
D:	28.50	72.28
E:	0.00	18.67
F:	31.50	19.39
G:	28.50	64.17
Q:	0.00	2450.80

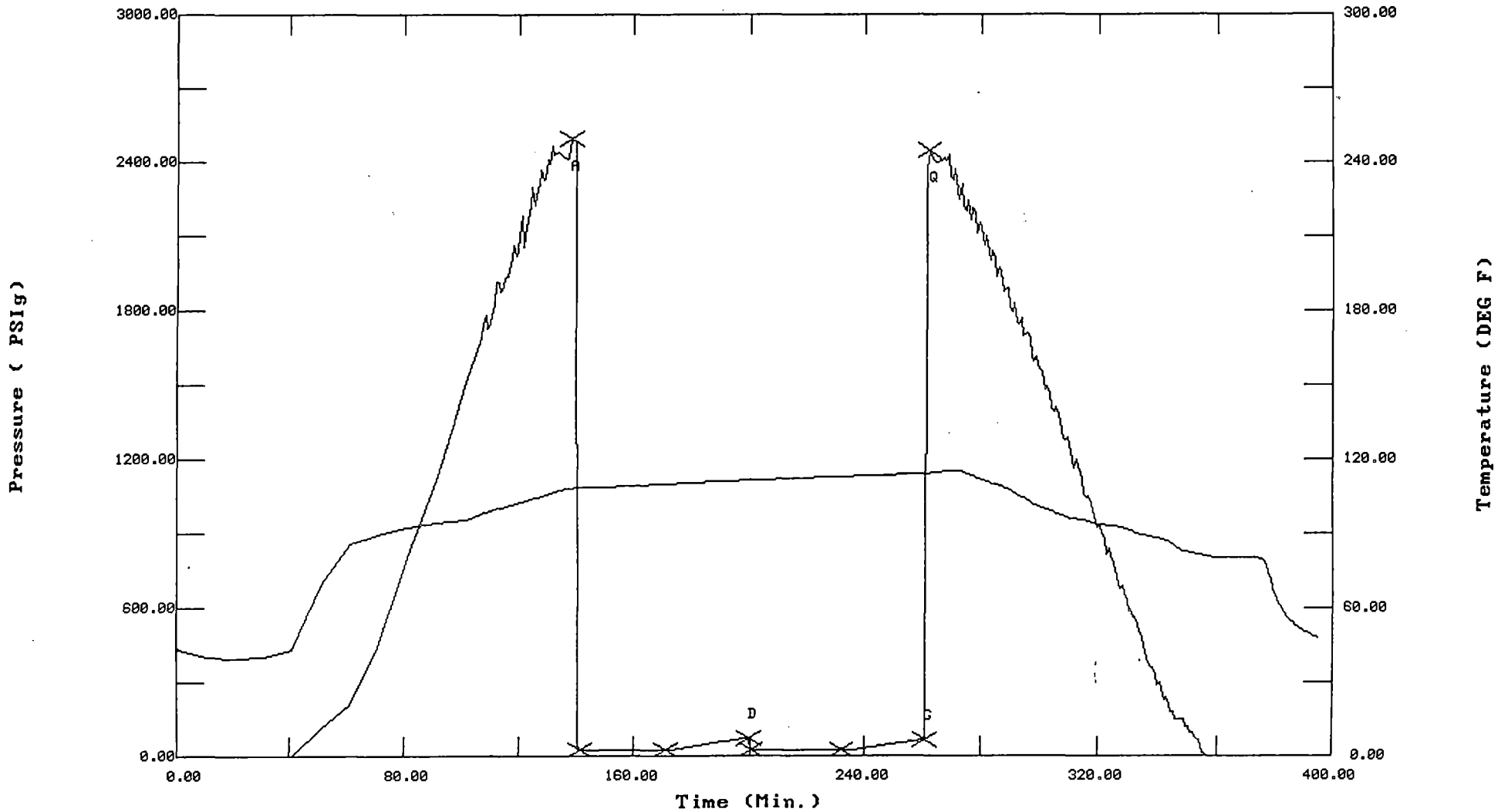
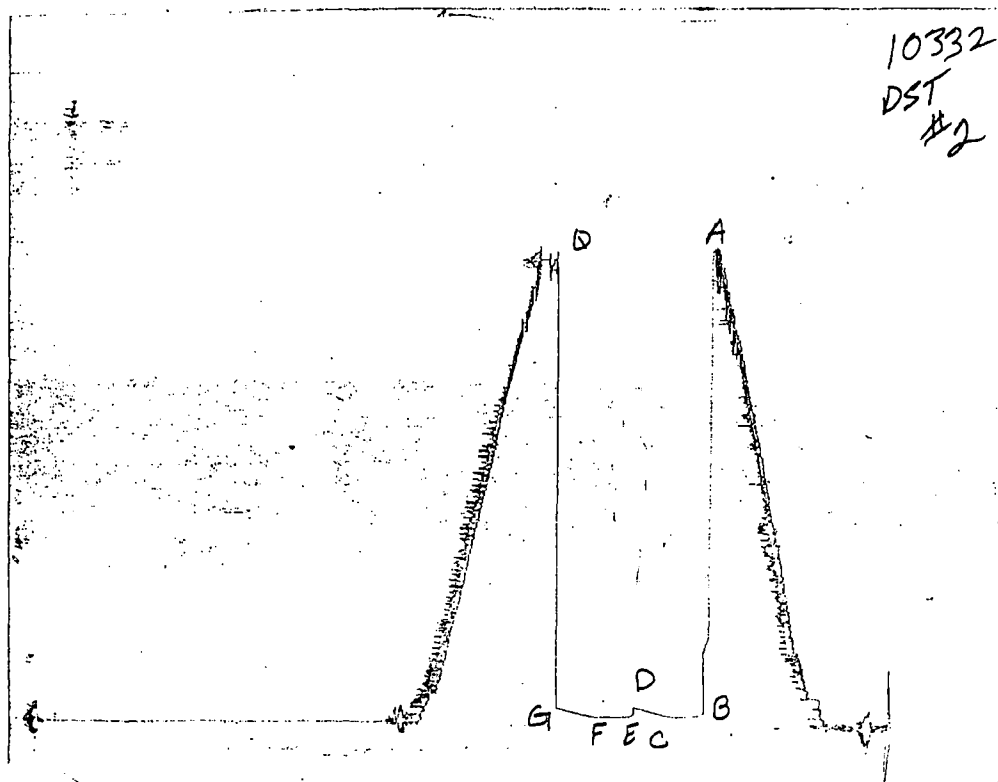


CHART PAGE



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



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11875

Well Name & No. Bird #1-29 Test No. #2 Date 11/19/1998  
 Company Warrior Inc. Zone Tested MISS.  
 Address P.O. box 300 Garden City, KS 67824-0399 Elevation 1940 KB 1927 GL  
 Co. Rep / Geo. AL Downing Cont. Duke #7 Est. Ft. of Pay      Por.      %  
 Location: Sec. 29 Twp. 32S Rge. 19W Co. Comanche State KS  
 No. of Copies 5 Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 5129' - 5178' Initial Str Wt./Lbs. 86,000 Unseated Str-Wt./Lbs. 86,000  
 Anchor Length 49' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 95,000  
 Top Packer Depth 5124' Tool Weight 2100  
 Bottom Packer Depth 5129' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 5178' Wt. Pipe Run N/A Drill Collar Run 294'  
 Mud Wt. 9.0+ LCM 3# Vis. 46 WL 9.0 Drill Pipe Size 4 1/2 XH Ft. Run 4861'  
 Blow Description IF: Weak blow built to 3 1/2" died back to weak surface blow.  
IST: No bb.  
FF: Weak blow built to 1" died in 14 mins.  
FST: No bb.

Recovery — Total Feet 20' GI Polers 160' Ft. in DC 20' Ft. in DP       
 Rec. 20 Feet Of USGCM %gas 1 %oil      %water 99 %mud       
 Rec. 160 Feet Of Gas In Collar %gas      %oil      %water      %mud       
 Rec.      Feet Of Trace of O:1 %gas      %oil      %water      %mud       
 Rec.      Feet Of      %gas      %oil      %water      %mud       
 Rec.      Feet Of      %gas      %oil      %water      %mud       
 BHT 115.0 °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW      @      °F Chlorides      ppm Recovery Chlorides 6,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2529	2497		2357	
(B) First Initial Flow Pressure	51	21	PSI	(depth) 5145	T-Started 21:42:30
(C) First Final Flow Pressure	41	21	PSI	Recorder No. 10332	T-Open 00:05:00
(D) Initial Shut-In Pressure	91	72	PSI	(depth) 5175	T-Pulled 02:05:00
(E) Second Initial Flow Pressure	41	19	PSI	Recorder No.	T-Out 03:45:00
(F) Second Final Flow Pressure	41	19	PSI	(depth)	T-Off Location 04:45:00
(G) Final Shut-in Pressure	91	64	PSI	Initial Opening 30	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	2518	2451	PSI	Initial Shut-in 30	Jars <input checked="" type="checkbox"/>
				Final Flow 30	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in 30	Straddle <u>    </u>

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Approved By Al Downing  
 Our Representative Darren Skinner

Circ. Sub       
 Sampler       
 Extra Packer       
 Elec. Rec.   
 Mileage       
 Other       
 TOTAL PRICE \$