

15-033-21046

Well Name: Bremer #1-33
Company: American Warrior, Inc.
Location: 33-32s-18w
Comanche co KS
Date: 1-17-00

ORIGINAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : American Warrior, Inc.

DATE 01/13/200

WELL NAME: Bremer #1-33

KB 2064.00 ft TICKET NO: 12350 DST #1

LOCATION : 33-32s-18w Comanche co KS

GR 2051.00 ft FORMATION: Fort Scott

INTERVAL : 5119.00 To 5140.00 ft

TD 5140.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2350			PF Fr. 0732 to 0802 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0802 to 0902 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0902 to 1002 hr
FS 60 Depth(ft)	5137.0	5137.0	5124.0	0.0	0.0	FS Fr. 1002 to 1102 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2507.0	0.0	0.0	T STARTED 0421 hr
B. First Flow	0.0	0.0	39.0	0.0	0.0	T ON BOTM 0729 hr
B1. Final Flow	0.0	0.0	41.0	0.0	0.0	T OPEN 0732 hr
C. In Shut-in	0.0	0.0	1893.0	0.0	0.0	T PULLED 1102 hr
D. Init Flow	0.0	0.0	35.0	0.0	0.0	T OUT 1230 hr
E. Final Flow	0.0	0.0	39.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1875.0	0.0	0.0	
G. Final Hydro	0.0	0.0	2444.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 5039.00 ft of Gas in pipe
 60.00 ft of Very Slightly gas cut mud
 0.00 ft of 4% gas 96% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in 15
 seconds. Gas to surface in 30 minutes

Initial Shut-In:

Bled down for 5 minutes. No blow back

Final Flow:

Strong blow bottom of bucket in 15
 seconds. Gauge gas.

Final Shut-In:

Bled down for 10 minutes. No blow
 back.

SAMPLES: Caraway Analytical 728 N.Roosevelt

SENT TO: Liberal, Ks. 67901

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	49.00 S/L
W.L.	7.60 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 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 L. Amerine
Co. Rep.	Al Downing
Contr.	Duke
Rig #	7
Unit #	no
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: American Warrior, Inc.

DATE: 01/13/200

WELL NAME: Bremer #1-33

KB Elev: 2064.00 ft TICKET #12350 DST #1

WELL LOCATION: 33-32s-18w Comanche co KS

GR Elev: 2051.00 ft FORMATION: Fort Scott

INTERVAL Fr.: 5119.00 To 5140.00 T.D.: 5140.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	4	0	41600.0
10	0.38	4	0	41600.0
15	0.38	4	0	41600.0
20	0.38	4	0	41600.0
25	0.38	4	0	41600.0
30	0.38	4	0	41600.0
35	0.38	5	0	44200.0
40	0.38	5	0	44200.0
45	0.38	5	0	44200.0
50	0.38	5	0	44200.0
55	0.38	5	0	44200.0
60	0.38	5	0	44200.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Bremer #1-33

LOCATION : 33-32s-18w Comanche co KS

TICKET No. 12350 D.S.T. No. 1 DATE 01/13/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands5 Single Total 299.34

D.P. ABOVE TOOLS.Stands77 Single Total 4800

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5148.34

TOTAL DEPTH 5140.10

TOTAL DRILL PIPE ABOVE K.B. 8.24

REMARKS:

P.O. SUB Top of tool @	5092
C.O. SUB	5093
S.I. TOOL	5098
HMV	5103
JARS	5108
SAFETY JOINT	5110
PACKER	5114
PACKER	5119
DEPTH 5119	
1'to	5120
ANCHOR 15'of perfs.to	5135
Alpine rec.@ 5124	
	5135
Ak-1 rec.@ 5137	
BULLNOSE 5' bullnose to	5140
T.D.	

TEST HISTORY

12350 DST#1 Bremer #1-33 American Warrior, inc..

Flag Points

t(Min.) P(PSig)

A:	0.00	2507.00
B:	0.00	30.77
C:	20.50	40.70
D:	59.75	1093.15
E:	0.00	35.16
F:	57.75	39.27
G:	63.25	1074.06
Q:	0.00	2444.14

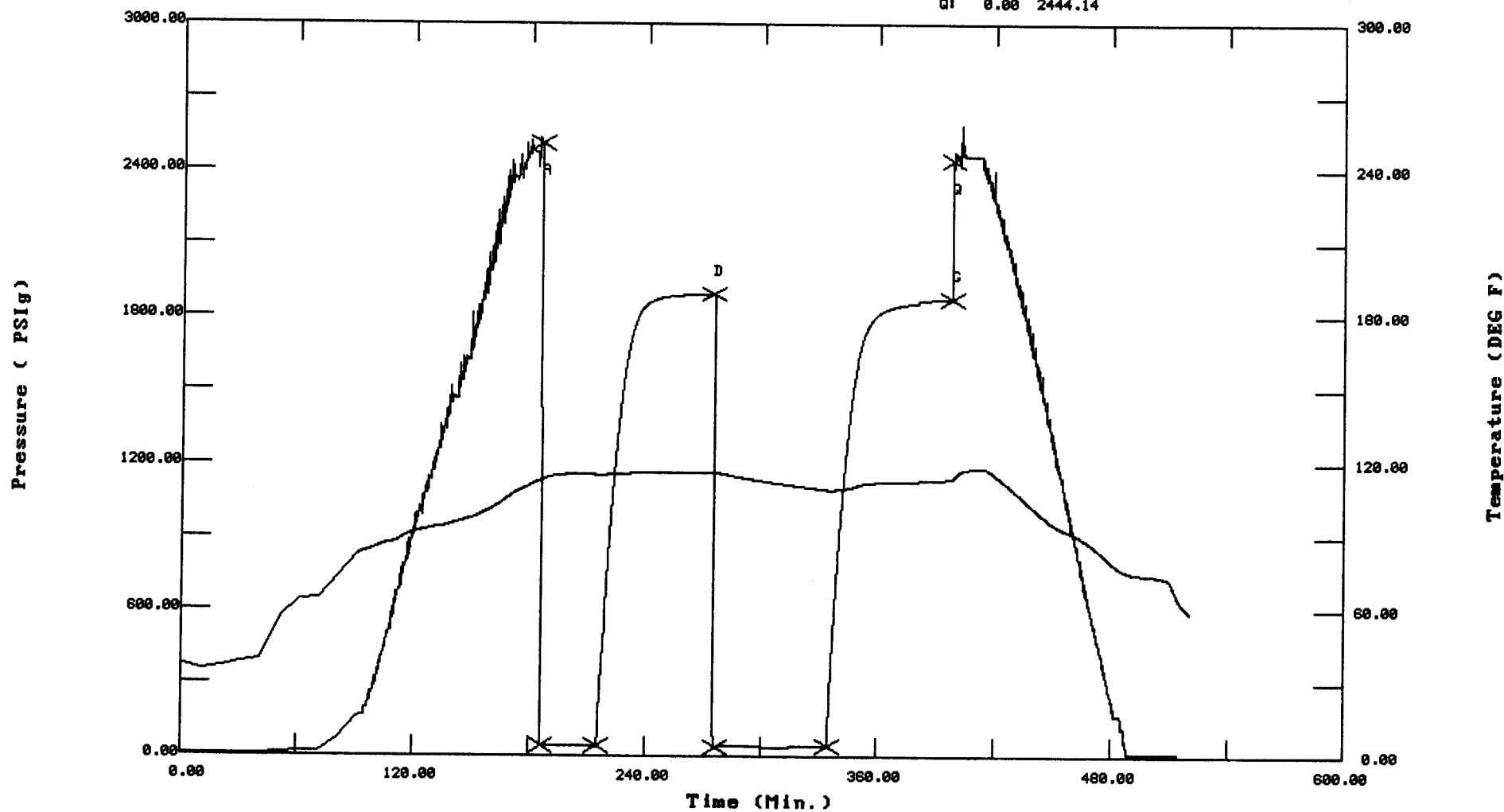
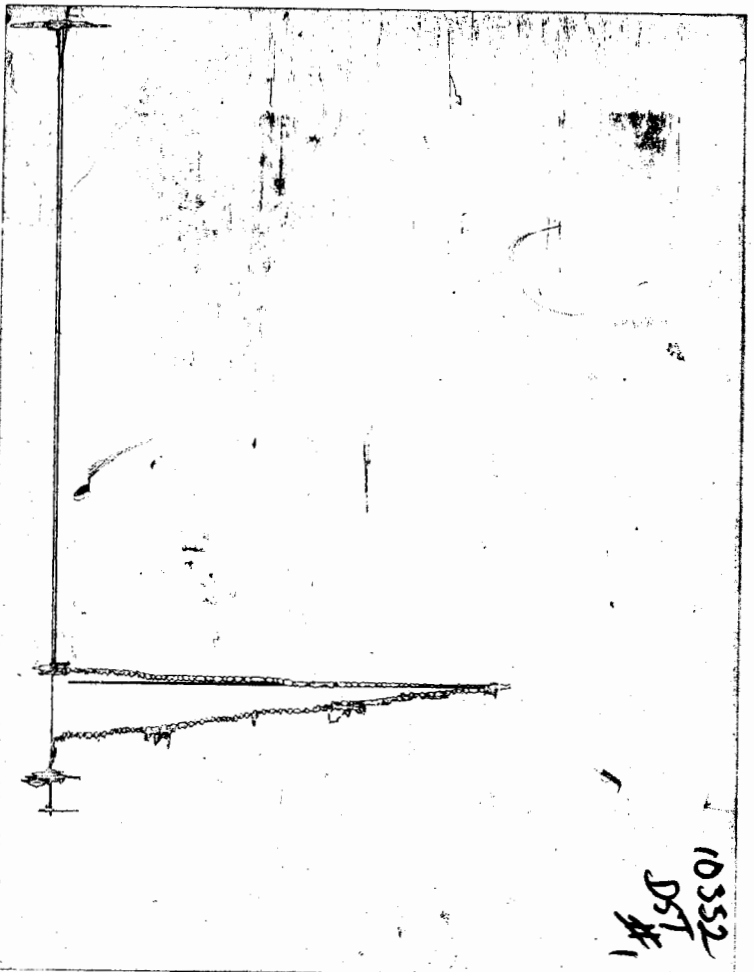


CHART PAGE



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



GAS VOLUME REPORT

American Warrior, Inc

Bremer #1-33

#

OPERATOR

WELL NAME AND NO.

DST NO.

(Fort Scott)

675 in 30 mins on initial flow closed tool
Final Flow. Initial Reading 6 @ 1/2" 86,300

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12350

Test Ticket

Well Name & No.	<u>Bremer #1-33</u>	Test No.	<u>#1</u>	Date	<u>01/03/2000</u>
Company	<u>American Warrior, Inc. P.O. box 399</u>		Zone Tested	<u>(Fort Scott)</u>	
Address	<u>Garden City, KS 67846-0399</u>		Elevation	<u>2064</u>	KB <u>2051</u> GL
Co. Rep / Geo.	<u>AL Downing</u>	Cont.	<u>Duke #7</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>33</u>	Twp.	<u>32^s</u>	Rge.	<u>18 W</u>
			Co.	<u>Comanche</u>	State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>—</u>	Turnkey (Y, N)	<u>—</u>
			Evaluation (Y, N)	<u>—</u>	

Interval Tested	<u>5119' - 5140'</u>	Initial Str Wt./Lbs.	<u>72,000</u>	Unseated Str Wt./Lbs.	<u>22,000</u>
Anchor Length	<u>21'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>74,000</u>
Top Packer Depth	<u>5114'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>5119'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>5140'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>299.34</u>
Mud Wt.	<u>9.2</u>	Drill Pipe Size	<u>4 1/2 KH</u>	Ft. Run	<u>4800.00</u>
LCM	<u>1#</u>				
Vis.	<u>49</u>				
WL	<u>7.6</u>				
Blow Description	<u>IT: Strong blow 60.0 in 15 sec GTS in 30 min.</u>				
	<u>ISI: Blown down for 5 mins. No blow back</u>				
	<u>FT: Strong blow 60.0 in 15 sec. Gauge gas.</u>				
	<u>FST: Blown down for 10 mins.</u>				

Recovery — Total Feet	<u>60'</u>	GIP	<u>5039</u>	Ft. in DC	<u>60'</u>	Ft. in DP	
Rec.	<u>60</u>	Feet Of	<u>US6CM</u>	%gas		%oil	
				%water		<u>96</u>	%mud
Rec.	<u>5039</u>	Feet Of	<u>Gas in pipe</u>	%gas		%oil	
				%water			%mud
Rec.		Feet Of		%gas		%oil	
				%water			%mud
Rec.		Feet Of		%gas		%oil	
				%water			%mud
BHT	<u>116°</u>	°F Gravity		°API D@		°F Corrected Gravity	
							°API
RW		°F Chlorides		ppm Recovery		Chlorides	<u>5500</u> ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		<u>2507</u>	PSI	Recorder No.	<u>2350</u>	T-On Location	<u>0200</u>
(B) First Initial Flow Pressure		<u>39</u>	PSI	(depth)	<u>5124'</u>	T-Started	<u>0421</u>
(C) First Final Flow Pressure		<u>41</u>	PSI	Recorder No.	<u>10332</u>	T-Open	<u>0732</u> g.10
(D) Initial Shut-In Pressure		<u>1893</u>	PSI	(depth)	<u>5132'</u>	T-Pulled	<u>1102</u>
(E) Second Initial Flow Pressure		<u>35</u>	PSI	Recorder No.		T-Out	<u>1230</u>
(F) Second Final Flow Pressure		<u>39</u>	PSI	(depth)		T-Off Location	<u>1315</u>
(G) Final Shut-in Pressure		<u>1875</u>	PSI	Initial Opening	<u>30</u>	Test	<u>✓ 800</u>
(Q) Final Hydrostatic Mud		<u>2444</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>✓ 200</u>
				Final Flow	<u>60</u>	Safety Joint	<u>✓ 50</u>
				Final Shut-in	<u>60</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 [Signature]
Our Representative Darren J. Ammer

Extra Packer
Elec. Rec. ✓ 150
Mileage
Other
TOTAL PRICE \$ 1200

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number:	20000248	Analyzed:	01/18/00
Sample From:	Bremer 1-33 DST 1	Pressure:	
Producer:	American Warrior, Inc.	Temperature:	
Date:		Location:	33-32-18
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Ft. Scott

	Mole %	GPM
Helium	He: 0.141	0.000
Hydrogen	H2: 0.010	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.008	0.000
Carbon Dioxide	CO2: 0.059	0.000
Methane	C1: 86.149	0.000
Ethane	C2: 4.041	1.081
Propane	C3: 2.849	0.785
Iso Butane	iC4: 0.443	0.145
Normal Butane	nC4: 1.346	0.424
Iso Pentane	iC5: 0.396	0.145
Normal Pentane	nC5: 0.489	0.177
Hexanes Plus	C6+: 1.069	0.466

TOTAL: 100.000 3.223
 Z Fact: 0.9971
 SP.GR.: 0.6873
 BTU (SAT): 1147.7 @ 14.73 psia
 BTU (DRY): 1168.0 @ 14.73 psia
 OCTANE RATING: 121.4

COMMENTS:

0.000