

WELL NAME

Lake #2

COMPANY

American Warrior Inc

LOCATION

14-32s-19w

Comanche co Kansas

DATE

1/02/01

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc.

DATE 12/27/200

WELL NAME: Lake #2

KB 2054.00 ft

TICKET NO: 13267 DST #1

LOCATION : 14-32s-19w Comanche co KS

GR 2041.00 ft

FORMATION: Miss.

INTERVAL : 5114.00 To 5237.00 ft

TD 5237.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13805	13805	2350			PF Fr. 0315 to 0345 hr
SI 45 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0345 to 0430 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0430 to 0530 hr
FS 90 Depth(ft)	5234.0	5234.0	5120.0	0.0	0.0	FS Fr. 0530 to 0700 hr

	Field	1	2	3	4	
A. Init Hydro	2806.0	0.0	2257.0	0.0	0.0	T STARTED 0046 hr
B. First Flow	345.0	0.0	214.0	0.0	0.0	T ON BOTM 0312 hr
B1. Final Flow	377.0	0.0	251.0	0.0	0.0	T OPEN 0315 hr
C. In Shut-in	1748.0	0.0	1597.0	0.0	0.0	T PULLED 0700 hr
D. Init Flow	356.0	0.0	231.0	0.0	0.0	T OUT 0915 hr
E. Final Flow	345.0	0.0	222.0	0.0	0.0	
F. Fl Shut-in	1737.0	0.0	1559.0	0.0	0.0	
G. Final Hydro	2688.0	0.0	2269.0	0.0	0.0	
Inside/Outside	O	O	I			

RECOVERY

Tot Fluid 503.00 ft of 353.00 ft in DC and 150.00 ft in DP
 4607.00 ft of Gas in pipe
 120.00 ft of Very slight gas cut mud 4%gas 96%mud
 383.00 ft of Slight gas cut mud 8%gas 92%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

IF:Strong blow b.o.b
 4-1/2 mins.then tool slid 14'to bottom.

ISI:Bled down for 30 mins.no blow back.

FF:Strong blow b.o.b in 15 sec.Gauge gas

FSI:Bled down for 30 mins no blow back.

SAMPLES: Caraway

SENT TO:Liberal,Kansas.67901

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	12.80 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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.	Alan Downing
Contr.	Duke
Rig #	7
Unit #	none
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: American Warrior, Inc.

DATE: 12/27/200

WELL NAME: Lake #2

KB Elev: 2054.00 ft TICKET #13267 DST #1

WELL LOCATION: 14-32s-19w Comanche co KS

GR Elev: 2041.00 ft FORMATION: Miss.

INTERVAL Fr.: 5114.00 To 5237.00 T.D.: 5237.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.50	50	0	337000.0
25	0.50	65	0	414000.0
30	0.50	66	0	419000.0

***** GAS RATES FOR FLOW #2

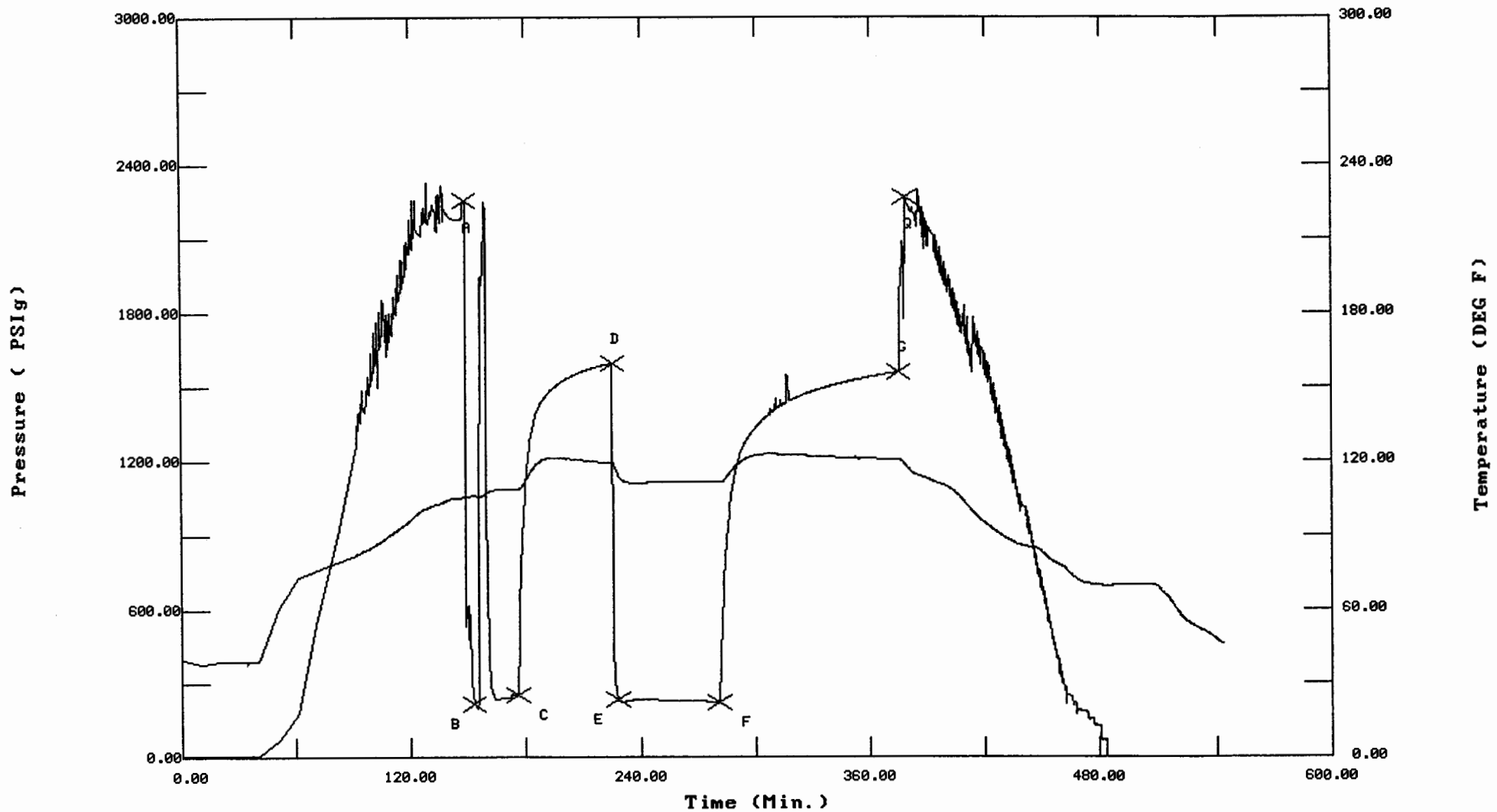
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	60	0	388000.0
20	0.50	70	0	440000.0
30	0.50	65	0	414000.0
40	0.50	60	0	388000.0
50	0.50	58	0	378000.0
60	0.50	55	0	362000.0

TEST HISTORY

Tk#13267 DST#1 Lake #2 American Warrior, Inc.

Flag Points
t (Min.) P (PSig)

A:	0.00	2256.73
B:	0.00	214.26
C:	23.00	250.52
D:	49.33	1596.55
E:	0.00	231.46
F:	53.33	222.06
G:	93.33	1558.61
Q:	0.00	2269.48



	P.O.	SUB	Top of tool @	5087
	C.O.	SUB		5088
	S.I.	TOOL		5093
TICKET No. 13267 D.S.T. No. 1 DATE 12/27/200	H			
TOTAL TOOL TO BOTTOM OF TOP PACKERS 28	H			
INTERVAL TOOL	H	HMV		5098
BOTTOM PACKERS AND ANCHOR 28	H	JARS		5103
TOTAL TOOL 56	H			
DRILL COLLAR ANCHOR IN INTERVAL	H			
D.C. ANCHOR STND.Stands Single Total	H			
D.P. ANCHOR STND.Stands 1 Single 1 Total 95	H	SAFETY JOINT		5105
TOTAL ASSEMBLY 151	H	PACKER		5109
D.C. ABOVE TOOLS.Stands6 Single Total 353.07	H	PACKER		5114
D.P. ABOVE TOOLS.Stands76 Single 1 Total 4756.93	H	DEPTH 5114 1'to		5115
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5261	H	ANCHOR 22'of perms.to		5137
TOTAL DEPTH 5237	H	Alpine rec. @ 5120		
TOTAL DRILL PIPE ABOVE K.B. 24	H	95'of drillpipe to		5232
REMARKS:	H	Ak-1 rec. @ 5234		
	H	BULLNOSE 5'bullnose to T.D.		5237

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: 20010006

Analyzed: 01/03/01

Sample From: Lake #2 DST 1

Pressure:

Producer: American Warrior, Inc.

Temperature:

Date: Location: 14-32-19

Time:

County: Comanche

Sampler:

State: Kansas

Source:

Formation: Miss

	Mole %	GPM
Helium	He: 0.077	0.000
Hydrogen	H2: 0.006	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 1.041	0.000
Carbon Dioxide	CO2: 0.011	0.000
Methane	C1: 94.474	0.000
Ethane	C2: 2.696	0.721
Propane	C3: 0.922	0.254
Iso Butane	iC4: 0.139	0.045
Normal Butane	nC4: 0.271	0.085
Iso Pentane	iC5: 0.086	0.031
Normal Pentane	nC5: 0.086	0.031
Hexanes Plus	C6+: 0.191	0.083

TOTAL: 100.000 1.252

Z Fact: 0.9978

SP.GR.: 0.5959

BTU (SAT): 1041.5 @ 14.73 psia

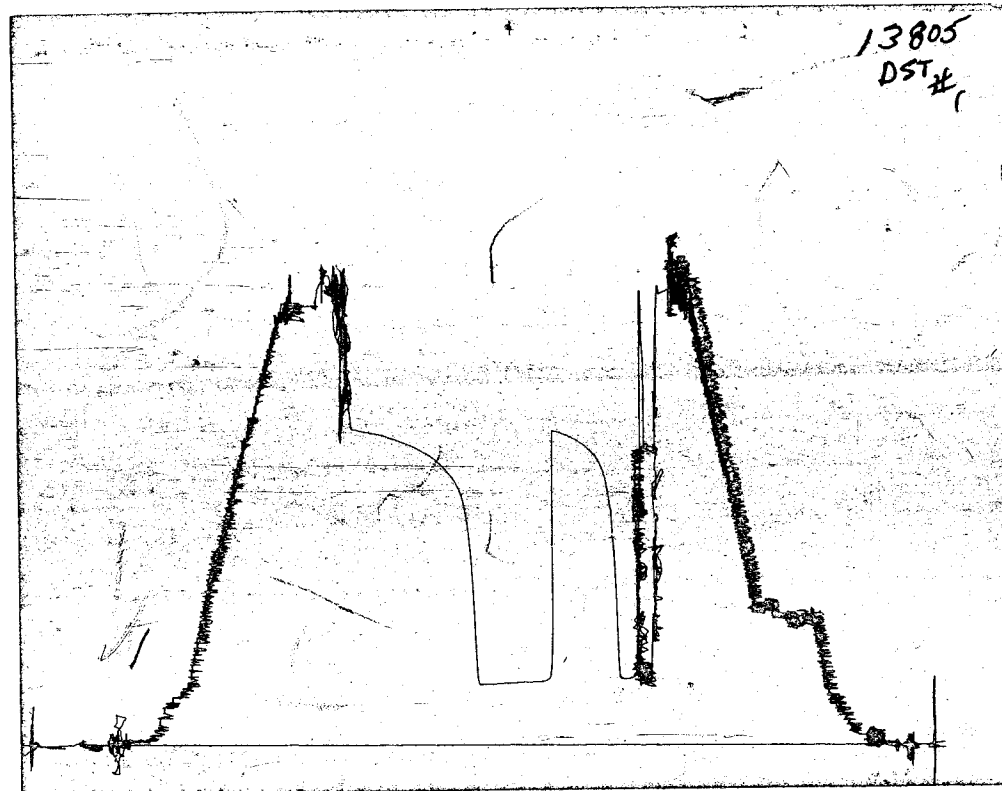
BTU (DRY): 1059.9 @ 14.73 psia

OCTANE RATING: 127.0

COMMENTS:

0.000

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 • (913) 625-4778

GAS VOLUME REPORT

American Warrior

OPERATOR

REPORT
Lake #2

WELL NAME AND NO.

#1

DST NO.

Miss

Initial Flow

First Flow

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13267

Test Ticket

Well Name & No. <u>Lake #2</u>	Test No. <u>#1</u>	Date <u>12/27/00</u>
Company <u>American Warrior, Inc.</u>	Zone Tested <u>Miss.</u>	
Address <u>P.O. box 399 Garden City, KS 67846-0399</u>	Elevation <u>2034</u> KB <u>2044</u> GL	
Co. Rep / Geo. <u>AL Downing</u>	Cont. <u>Duke #7</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>14</u> Twp. <u>32S</u> Rge. <u>19W</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>5114' - 5237'</u>	Initial Str Wt./Lbs. <u>78,000</u>	Unseated Str Wt./Lbs. <u>78,000</u>
Anchor Length <u>123'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>115,000</u>
Top Packer Depth <u>5109'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5114'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5237'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>353.07</u>
Mud Wt. <u>9.0</u> LCM <u>4#</u> Vis. <u>50</u> WL <u>12.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4851.93</u>

Blow Description IF: Strong blow bob in 30 sec GTS in 4 1/2 mins then tool slid 14' to bottom
IS7: Bled down for 30 mins. No blow back.
EF: Strong blow A.O.D in 15 sec. Gauge Gas
FS7: Bled down for 30 mins No blow back.

Recovery — Total Feet <u>503'</u>	GIP <u> </u>	Ft. in DC <u>353'</u>	Ft. in DP <u>150'</u>
Rec. <u>120'</u> Feet Of <u>US6CM</u>	4 %gas	%oil	%water <u>96</u> %mud
Rec. <u>383'</u> Feet Of <u>S6CM</u>	8 %gas	%oil	%water <u>92</u> %mud
Rec. <u>4607'</u> Feet Of <u>GIP</u>	%gas	%oil	%water
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water

BHT 123° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 9200 ppm System

(A) Initial Hydrostatic Mud <u>2806</u> AK-1 <u>2257</u> Alpine	PSI Recorder No. <u>2350</u>	T-On Location <u>2330</u>
(B) First Initial Flow Pressure <u>345</u> <u>214</u>	PSI (depth) <u>5120'</u>	T-Started <u>0046</u>
(C) First Final Flow Pressure <u>377</u> <u>251</u>	PSI Recorder No. <u>13805</u>	T-Open <u>0315</u>
(D) Initial Shut-In Pressure <u>1748</u> <u>1597</u>	PSI (depth) <u>5234'</u>	T-Pulled <u>0700</u>
(E) Second Initial Flow Pressure <u>356</u> <u>231</u>	PSI Recorder No. <u> </u>	T-Out <u>0915</u>
(F) Second Final Flow Pressure <u>345</u> <u>222</u>	PSI (depth) <u> </u>	T-Off Location <u>1045</u>
(G) Final Shut-in Pressure <u>1737</u> <u>1559</u>	PSI Initial Opening <u>30</u>	Test <u>✓</u> <u>900</u>
(Q) Final Hydrostatic Mud <u>2688</u> <u>2269</u>	PSI Initial Shut-in <u>45</u>	Jars <u>✓</u> <u>200</u>
	Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
	Final Shut-in <u>90</u>	Straddle <u> </u>
		Circ. Sub <u> </u>
		Sampler <u> </u>
		Extra Packer <u> </u>
		Elec. Rec. <u>✓</u> <u>150</u>
		Mileage <u>50</u> <u>58</u>
		Other <u> </u>
		TOTAL PRICE \$ <u>1358</u>

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Approved By AL

Our Representative Darren L. Downing