

15-135-24067

35-18s-21w

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Americian Warrior, Inc.

DATE 12-15-98

WELL NAME: Witthuhn #3-35

KB 2197.00 ft

TICKET NO: 11699

DST #1

LOCATION : 35-18s-21w Ness co KS

GR 2189.00 ft

FORMATION: N/A

INTERVAL : 4432.00 To 4455.00 ft

TD 4455.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 20 Rec.	11085	11085	3027			PF Fr. 1200 to 1220 hr
SI 30 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1220 to 1250 hr
SF 20 Clock(hrs)	12hr	12	elec			SF Fr. 1250 to 1310 hr
FS 30 Depth(ft)	4448.0	4448.0	4435.0	0.0	0.0	FS Fr. 1310 to 1340 hr

	Field	1	2	3	4	
A. Init Hydro	2241.0	2255.0	2180.0	0.0	0.0	T STARTED 1016 hr
B. First Flow	253.0	264.0	264.0	0.0	0.0	T ON BOTM 1157 hr
B1. Final Flow	691.0	722.0	737.0	0.0	0.0	T OPEN 1200 hr
C. In Shut-in	1419.0	1340.0	1433.0	0.0	0.0	T PULLED 1340 hr
D. Init Flow	789.0	790.0	730.0	0.0	0.0	T OUT 1625 hr
E. Final Flow	1017.0	1085.0	1051.0	0.0	0.0	
F. Fl Shut-in	1419.0	1340.0	1432.0	0.0	0.0	
G. Final Hydro	2230.0	2237.0	2170.0	0.0	0.0	
Inside/Outside	o	o	i			

RECOVERY

Tot Fluid 2260.00 ft of 30.00 ft in DC and 2230.00 ft in DP

240.00 ft of muddy water 25% mud 75% water

2020.00 ft of water rw .17 @ 40F

0.00 ft of

0 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 82000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----	
Tool Wt.	2700.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	64000.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	62000.00 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	30.00 ft
D.P. Length	4401.00 ft

MUD DATA-----

Mud Type	chemical
Weight	9.60 lb/
Vis.	58.00 S/L
W.L.	0.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Scott
Contr.	Discovery Drlg.
Rig #	1
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow:

Weak building to a strong blow in
1 min.

Final Flow:

Weak building to a strong blow in
1 min.

SAMPLES:

SENT TO:

Test Successful: Y

35-18s-21w

*** TOOL DIAGRAM *** CONV.

WELL NAME: Witthuhn #3-35

LOCATION : 35-18s-21w Ness co KS

TICKET No. 11699 D.S.T. No. 1 DATE 12-15-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 23

TOTAL TOOL 51

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands Single 1 Total 30

P. ABOVE TOOLS.Stands 71 Single 1 Total 4401

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4482

TOTAL DEPTH 4455

TOTAL DRILL PIPE ABOVE K.B. 27

REMARKS:

Liquid Sampler Data

Recovery

Gas ----- ml

Oil ----- ml Gravity @ 60F

Water ----- ml

Water 4000 ml

Pressure 1050 psi

Total 4000 ml

Sampler Analysis

W .17 ohms @ 40F

Chlorides 82000 ppm

Bit Mud Analysis

W 1.8 ohms @ 60F

Chlorides 3800 ppm

STAT

351 P

Witthuhn #3-35
Ness Co. KS

P.O. SUB 4284

C.O. SUB 4404

S.I. TOOL 4409

sample chamber 4414

HMV 4417

JARS 4422

SAFETY JOINT

PACKER 4427

PACKER 4432

DEPTH

STUBB 4433

ANCHOR 5'perf 4438

5' " 4443

5' " 4448

Alpine@4435

AK-1 @4448

T.C.
DEPTH

4'perf 445

BULLNOSE 3'bullplug 445
T.D. 445

TEST HISTORY

14699 DST#1 Wittuhn #3-35 American Warrior, Inc.

Flag Points

t (Min.)	P (PSig)
A: 0.00	2180.27
B: 0.00	264.96
C: 20.50	737.13
D: 29.50	1433.49
E: 0.00	730.90
F: 19.00	1051.93
G: 33.50	1432.49
H: 0.00	2170.40

STATE OF KANSAS

JUN 11

Wichita, Kansas

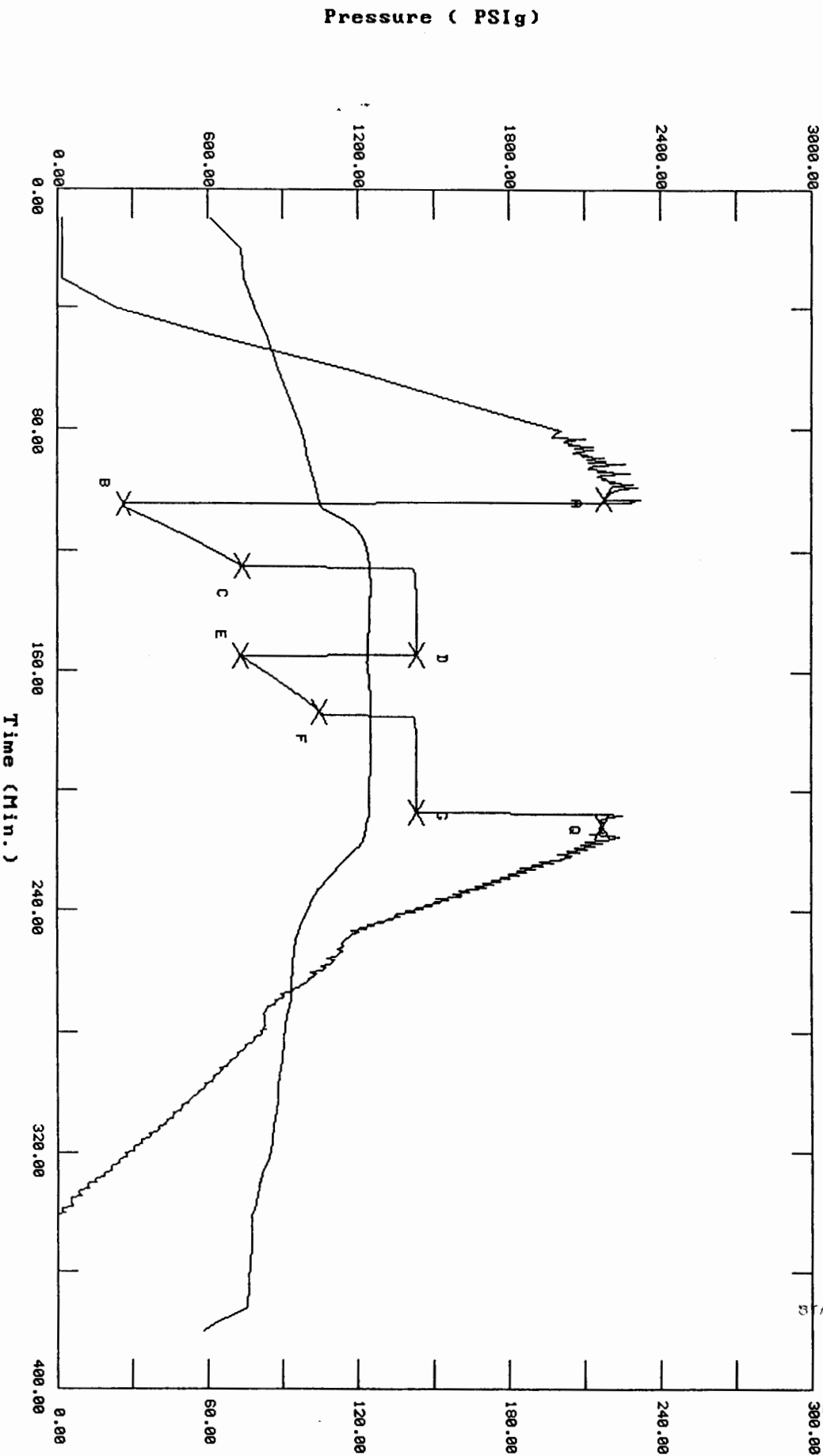
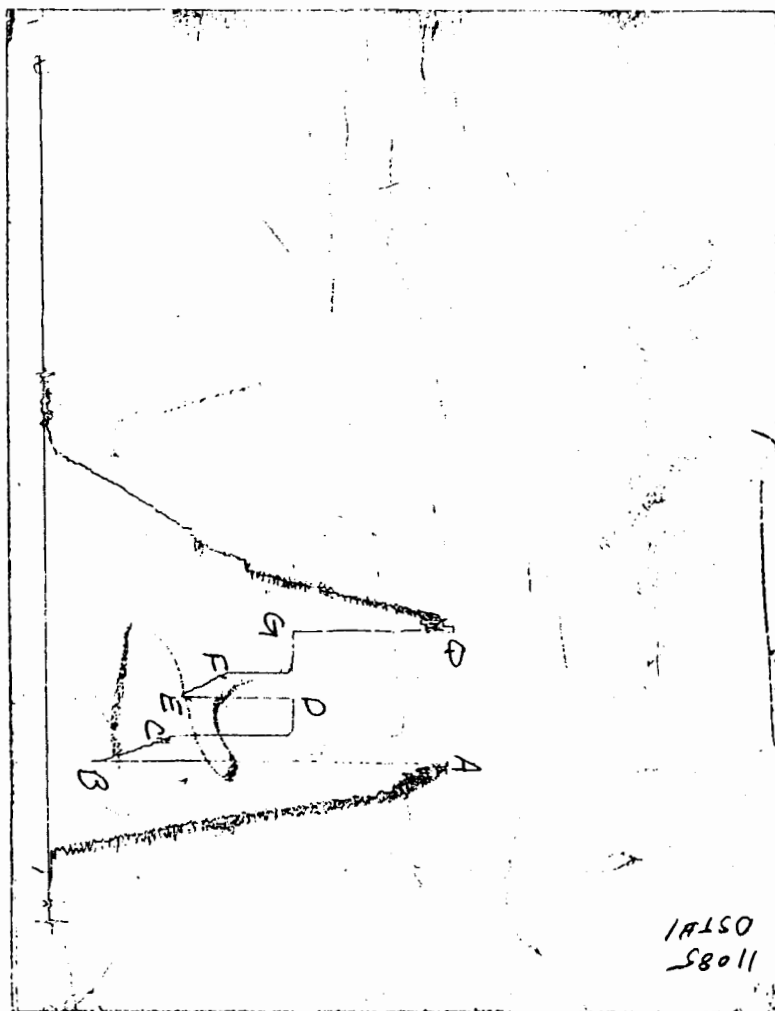


CHART PAGE



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

11085
OSTH

START

END

JUN 1

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
WATER RESOURCES DIVISION
WASHINGTON, D.C.

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 11699 Date 12-15-98
Company Name AMERICAN WARRIOR, Inc
Lease WITTHUN #3-35 Test No. 1
County NESS Sec. 35 Twp. 18^s Rng. 21^w

SAMPLER RECOVERY

Gas — ML
Oil — ML
Mud — ML
Water 4000 ML
Other — ML
Pressure 1050 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 3800 ppm
Resistivity 1.8 ohms @ 60 F
Viscosity 58
Mud Weight 9.6
Filtrate N/A
Other —

SAMPLER ANALYSIS

Resistivity .17 ohms @ 40 F
Chlorides 82000 ppm
Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity .17 ohms @ 40 F
Chlorides 82000 ppm

MIDDLE

Resistivity — ohms @ — F
Chlorides — ppm

BOTTOM

Resistivity — ohms @ — F
Chlorides — ppm

STAT

JAN 11 1999

LABORATORY
HAYS, KANSAS

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11699

Well Name & No.	<u>WITTHUN #3-35</u>	Test No.	<u>1</u>	Date	<u>12-15-98</u>
Company	<u>AMERICAN WARRIOR, Inc.</u>	Zone Tested	<u>N/A</u>		
Address	<u>P.O. Box 399 Garden City, Ks. 67846</u>	Elevation	<u>2197</u>	KB	<u>2189</u> GL
Co. Rep / Geo.	<u>SCOTT CORSAIR</u>	Cont.	<u>Discovery rig 1</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>35</u>	Twp.	<u>18^s</u>	Rge.	<u>21^w</u>
		Co.	<u>Neos</u>	State	<u>Ks</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u>
		Evaluation (Y, N)	<u>N</u>		

Interval Tested	<u>4432-4455</u>	Initial Str Wt/Lbs.	<u>52000</u>	Unseated Str. Wt/Lbs.	<u>62000</u>
Anchor Length	<u>23</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>64000</u>
Top Packer Depth	<u>4427</u>	Tool Weight	<u>2700</u>		
Bottom Packer Depth	<u>4432</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>4455</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>30</u>
Mud Wt.	<u>9.6</u> LCM	Vis.	<u>58</u>	WL	<u>NA</u>
		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4401</u>
Blow Description	<u>IFP- WEAK building To A Strong Blow in 1 min</u>				
	<u>FFP- WEAK building To A Strong Blow in 1 min</u>				
	<u>NO BLOW BACK ON SHUT-IN'S</u>				

Recovery — Total Feet	<u>2260</u>	GIP	<u>-</u>	Ft. in DC	<u>30</u>	Ft. in DP	<u>2230</u>
Rec.	<u>240</u>	Feet Of	<u>MW</u>	%gas	%oil	%water	%mud
Rec.	<u>2020</u>	Feet Of	<u>WATER</u>	%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	<u>125</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u>
RW	<u>.17</u>	@	<u>40</u>	°F Chlorides	<u>82000</u>	ppm Recovery	Chlorides <u>9800</u> ppm System

(A) Initial Hydrostatic Mud	<u>2241</u>	AK-1	<u>2180</u>	Alpine	PSI Recorder No.	<u>3027</u>	T-On Location	<u>0845</u>
(B) First Initial Flow Pressure	<u>253</u>		<u>264</u>		PSI (depth)	<u>4435</u>	T-Started	<u>1016</u>
(C) First Final Flow Pressure	<u>691</u>		<u>737</u>		PSI Recorder No.	<u>11085</u>	T-Open	<u>1200</u>
(D) Initial Shut-In Pressure	<u>1419</u>		<u>1433</u>		PSI (depth)	<u>4448</u>	T-Pulled	<u>1340</u>
(E) Second Initial Flow Pressure	<u>789</u>		<u>730</u>		PSI Recorder No.	<u>-</u>	T-Out	<u>1625</u>
(F) Second Final Flow Pressure	<u>1017</u>		<u>1051</u>		PSI (depth)	<u>-</u>	T-Off Location	<u>1730</u>
(G) Final Shut-in Pressure	<u>1419</u>		<u>1432</u>		PSI Initial Opening	<u>20</u>	Test	<u>✓</u>
(Q) Final Hydrostatic Mud	<u>2230</u>		<u>2170</u>		PSI Initial Shut-in	<u>30</u>	Jars	<u>✓</u>
					Final Flow	<u>20</u>	Safety Joint	
					Final Shut-in	<u>30</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

Scott Corsair

Our Representative

RAY SCHWAGER Thankyou

STATE

Jan 1999

Circ. Sub

Sampler ✓

Extra Packer

Elec. Rec. ✓

Mileage

Other

TOTAL PRICE \$ ✓