

**Well Name:** Bostick #1-19  
**Company:** Phillips Exploration Company  
**Location:** 19-23s-7w  
Reno County Kansas  
**Date:** 6-8-99

15-155-21435

Good

ORIGINAL

RECEIVED  
KANSAS CORPORATION COMMISSION

APR 01 2000

CONSERVATION DIVISION  
WICHITA, KS

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Phillips Expl. Co. DATE 6-5-99  
 WELL NAME: Bostic #1-19 KB 1611.00 ft TICKET NO: 11422 DST #1  
 LOCATION : 19-23s-7w Reno co KS GR 1602.00 ft FORMATION: Hertha  
 INTERVAL : 3425.00 To 3490.00 ft TD 3490.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	10248	10248	13788		PF Fr. 0750 to 0820 hr
SI	30	Range(Psi )	4400.0	4400.0	4650.0	0.0	0.0 IS Fr. 0820 to 0850 hr
SF	20	Clock(hrs)	12	12	12		SF Fr. 0850 to 0910 hr
FS	0	Depth(ft )	3482.0	3482.0	3487.0	0.0	0.0 FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1777.0	1804.0	0.0	0.0	0.0	T STARTED 0545 hr
B. First Flow	46.0	52.0	0.0	0.0	0.0	T ON BOTM 0745 hr
B1. Final Flow	48.0	57.0	0.0	0.0	0.0	T OPEN 0750 hr
C. In Shut-in	109.0	110.0	0.0	0.0	0.0	T PULLED 0911 hr
D. Init Flow	50.0	64.0	0.0	0.0	0.0	T OUT 1045 hr
E. Final Flow	50.0	64.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1668.0	1687.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 84000.00 lbs
						Initial Str Wt 77000.00 lbs
						Unseated Str Wt 77000.00 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 498.00 ft
						D.P. Length 2917.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP  
 20.00 ft of Mud with oil specks  
 0.00 ft of Good oil scum at top of tool  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

TOOL DATA-----  
 Tool Wt. 2100.00 lbs  
 Wt Set On Packer 25000.00 lbs  
 Wt Pulled Loose 84000.00 lbs  
 Initial Str Wt 77000.00 lbs  
 Unseated Str Wt 77000.00 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 498.00 ft  
 D.P. Length 2917.00 ft

SALINITY 8000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/cf  
 Vis. 55.00 S/L  
 W.L. 9.60 in3  
 F.C. 0.00 in  
 Mud Drop

BLOW DESCRIPTION

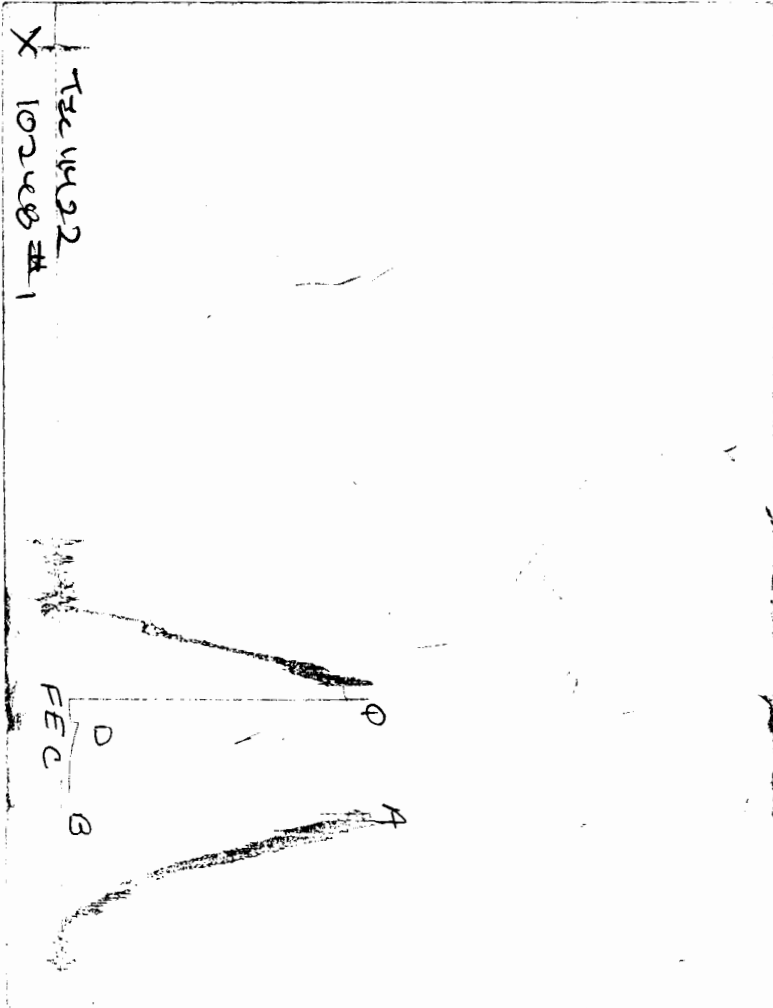
Initial Flow:  
 Weak blow 1/4" or less  
 Final Flow:  
 Weak blow 1/2" to 1"

Amt. of fill 0.00 ft  
 Btm. H. Temp. 107.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Gary Pevoteaux  
 Co. Rep. Jim Phillips  
 Contr. Sterling  
 Rig # 4  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

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

## Test Ticket

No 11422

Well Name & No. BASIC # 1-19 Test No. 1 Date 6-5-99  
 Company PHILLIPS EXPL. Co. Zone Tested HERTNA  
 Address 2338 Broomfield Circle, Wichita Ks. 67226 Elevation 1611 KB 1602 GL  
 Co. Rep / Geo. SIM PHILLIPS Cont. STERLING DRUG Est. Ft. of Pay 5 Por.     %  
 Location: Sec. 19 Twp. 23S Rge. 7W Co. RENO State Ks.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N)     Evaluation (Y, N)    

Interval Tested 3425-3490' Initial Str Wt./Lbs. 17,000 Unseated Str Wt./Lbs. 17,000  
 Anchor Length 65' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 84,000  
 Top Packer Depth 3420' Tool Weight 2100<sup>II</sup>  
 Bottom Packer Depth 3425' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 3490' Wt. Pipe Run None Drill Collar Run 498  
 Mud Wt. 9.2 LCM     Vis. SS WL 9.6cc Drill Pipe Size 4 1/2" x 14' Ft. Run 2917'  
 Blow Description IF: weak blow (1/4" or less)

FF: weak blow (1/2-1")

Recovery — Total Feet 20 GIP trace Ft. in DC 20 Ft. in DP      
 Rec. 20 Feet Of Mud @ oil spec. %gas     %oil     %water     %mud      
 Rec.     Feet Of Good oil seam @ %gas     %oil     %water     %mud      
 Rec.     Feet Of top of tool %gas     %oil     %water     %mud      
 Rec.     Feet Of     %gas     %oil     %water     %mud      
 Rec.     Feet Of     %gas     %oil     %water     %mud      
 BHT 107 °F Gravity N/A °API D@     °F Corrected Gravity N/A °API      
 RW N.C. @     °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1777</u>		PSI Recorder No.	<u>10246</u>	T-On Location <u>0510</u>
(B) First Initial Flow Pressure	<u>46</u>		PSI (depth)	<u>3482'</u>	T-Started <u>0545</u>
(C) First Final Flow Pressure	<u>48</u>		PSI Recorder No.	<u>13788</u>	T-Open <u>0750</u>
(D) Initial Shut-In Pressure	<u>109</u>		PSI (depth)	<u>3487'</u>	T-Pulled <u>0911</u>
(E) Second Initial Flow Pressure	<u>50</u>		PSI Recorder No.	<u>   </u>	T-Out <u>1035</u>
(F) Second Final Flow Pressure	<u>50</u>		PSI (depth)	<u>   </u>	T-Off Location <u>   </u>
(G) Final Shut-in Pressure	<u>None</u>		PSI Initial Opening	<u>30</u>	Test <input checked="" type="checkbox"/> <u>LOC</u>
(Q) Final Hydrostatic Mud	<u>1668</u>		PSI Initial Shut-in	<u>30</u>	Jars <u>   </u>
			Final Flow	<u>20</u>	Safety Joint <input checked="" type="checkbox"/> <u>SC</u>
			Final Shut-in	<u>None</u>	Straddle <u>   </u>
				<u>4</u>	Circ. Sub <u>   </u>
					Sampler <u>   </u>
					Extra Packer <u>   </u>
					Elec. Rec. <u>   </u>
					Mileage <u>   </u>
					Other <u>   </u>

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 [Signature]

TOTAL PRICE \$ ✓ 6.50

TRILOBITE TESTING L.L.C.

OPERATOR : Phillips Expl.Co. DATE 06-06-99  
 WELL NAME: Bostic #1-19 KB 1611.00 ft TICKET NO: 11423 DST #2  
 LOCATION : 19-23s-7w Reno co KS GR 1602.00 ft FORMATION: Miss  
 INTERVAL : 3651.00 To 3700.00 ft TD 3825.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 1 Rec.	13788	13788	2342	10248		PF Fr. 2004 to 2005 hr
SI 0 Range(Psi )	4650.0	4650.0	4995.0	4400.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12 hr	12 hr	batt.	12 hr		SF Fr. to hr
FS 0 Depth(ft )	3693.0	3693.0	3665.0	3822.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 1824 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 1958 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 2004 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 2018 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 2310 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 40000.00 lbs
						Wt Pulled Loose 140000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 82000.00 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 498.00 ft
						D.P. Length 3160.00 ft

RECOVERY

Tot Fluid 598.00 ft of 498.00 ft in DC and 100.00 ft in DP  
 598.00 ft of Drilling 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  
 0.00 ft of Rw n.c. ohms @ degrees F.  
 0.00 ft of EST.FT. of PAY-----15  
 SALINITY 9000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop N	

Amt. of fill	3.00 ft
Btm. H. Temp.	107.00 F
Hole Condition	fair
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Jim Phillips
Contr.	Sterling Drlg.
Rig #	4
Unit #	
Pump T.	LCM 0#/bl

BLOW DESCRIPTION

Initial Flow:  
 Strong blow Packers failing picked  
 up and re-set using more weight  
 packers failed

SAMPLES: none  
 SENT TO: Caraway/Liberal

Test Successful: N



11423 DST#2 BOSTIC #1-19 PHILLIPS EXPL. CO.  
**TEST HISTORY**

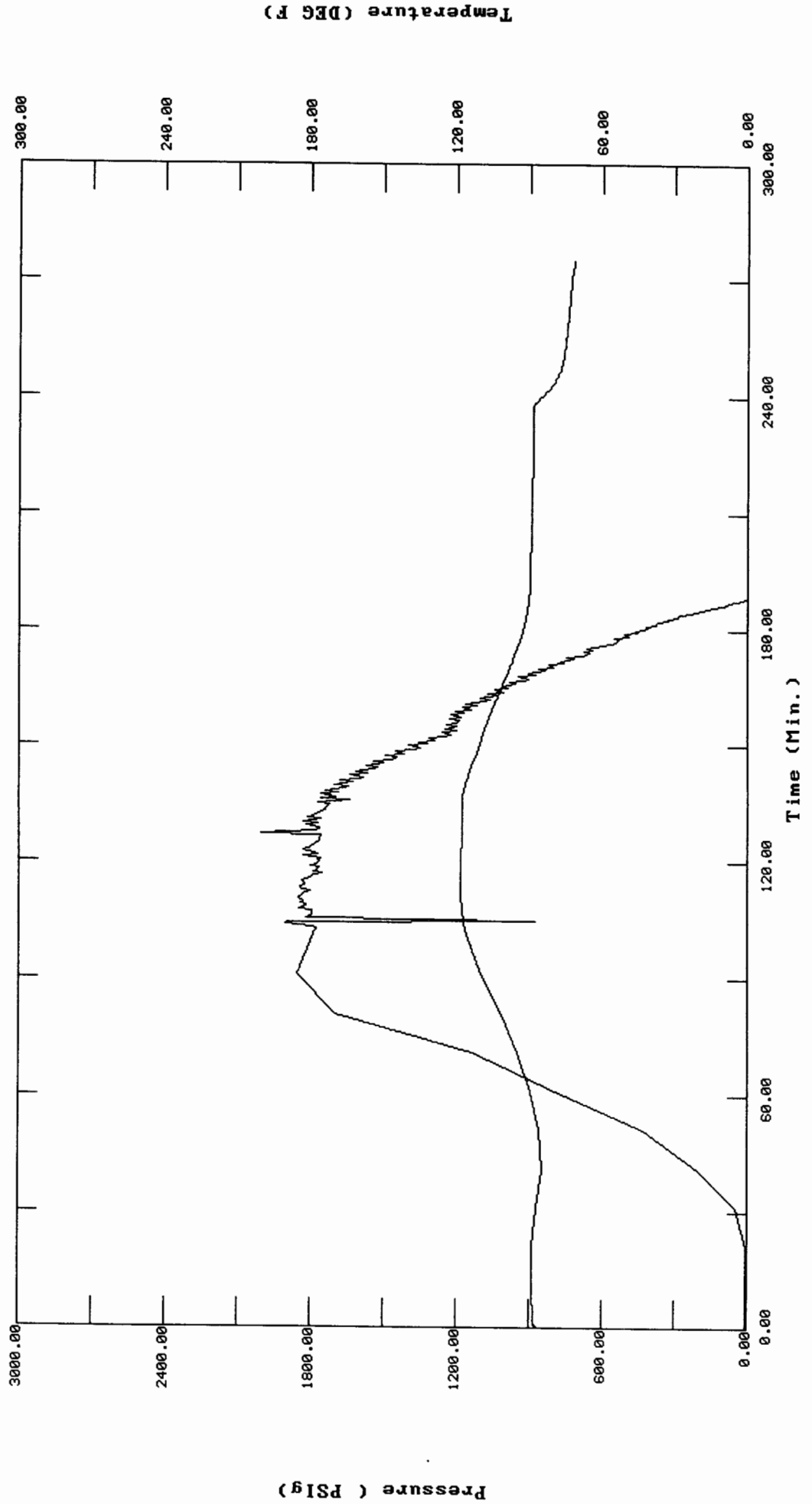
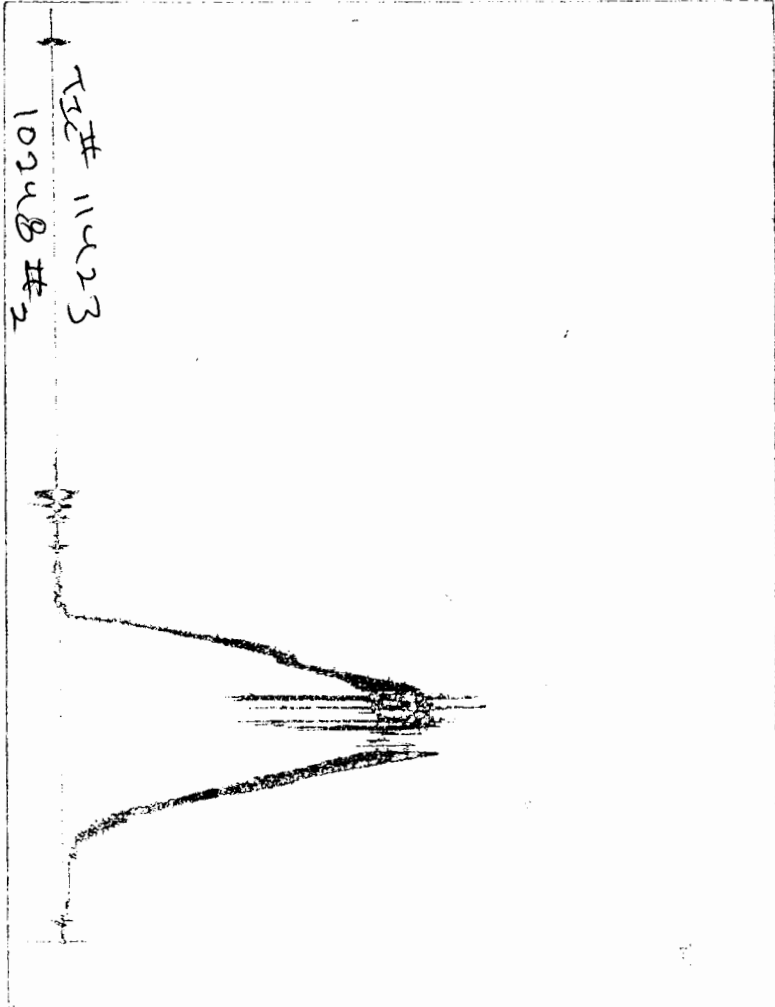
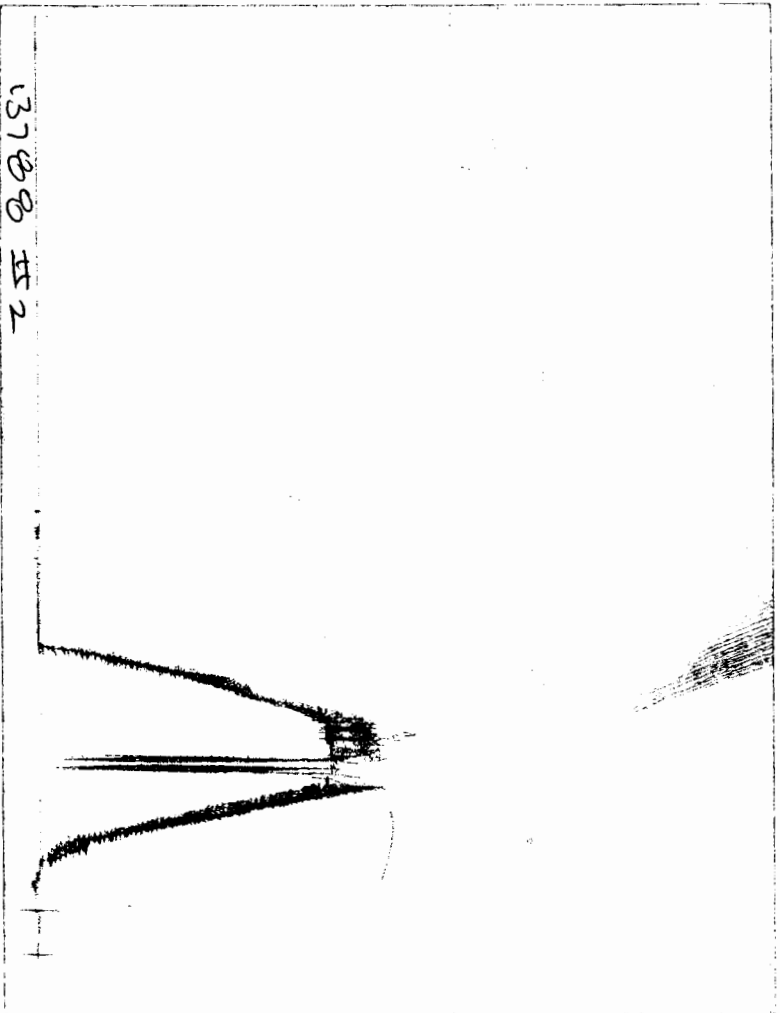


CHART PAGE



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

CHART PAGE



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

# TRILOBITE TESTING L.L.C.

97295

P.O. Box 362 • Hays, Kansas 67601

For  
687-6666

## Test Ticket

No 11423

STRADDLE

Well Name & No.	BOSTIC # 1-19	Test No.	2	Date	6-6-99
Company	PHILLIPS EXPL. Co.	Zone Tested	MISS.		
Address	2338 BROOMFIELD CIRCLE, WICHITA KS 67226	Elevation	1611	KB	1602GL
Co. Rep / Geo.	JIM PHILLIPS	Cont.	STIRLING DRIG. #4	Est. Ft. of Pay	15 Por. %
Location: Sec.	19	Twp.	235	Rge.	7 <sup>W</sup>
		Co.	RENO	State	KS
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3651 - 3700'	Initial Str Wt./Lbs.	80,000	Unseated Str Wt./Lbs.	82,000
Anchor Length	49'	Wt. Set Lbs.	40,000	Wt. Pulled Loose/Lbs.	140,000
Top Packer Depth	3646 & 3651'	Tool Weight	2100 #		
Bottom Packer Depth	3700'	Hole Size - 7 7/8"	<input checked="" type="checkbox"/>	Rubber Size - 6 3/4"	<input checked="" type="checkbox"/>
Total Depth	3825'	Wt. Pipe Run	NONE	Drill Collar Run	498'
Mud Wt.	9.3 LCM - Vis. 47 WL 9.6 cc.	Drill Pipe Size	4 1/2" X.H.	Ft. Run	3160'
Blow Description	IF: Strong below. Upper packers failing. Picked up & re-set tool using more weight. Packers failed.				

COMMENT: Had to work pipe several times to pull free off bottom.

Recovery - Total Feet	598	GIP	~	Ft. in DC	498	Ft. in DP	100
Rec.	598	Feet Of	Dry, Mud.	%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
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	107	°F Gravity	~	°API D@	~	°F Corrected Gravity	~
RW	N.C	@	~	°F Chlorides	9,000	ppm Recovery	Chlorides 9,000 ppm System

AK-1 Alpine

(A) Initial Hydrostatic Mud	PSI	Recorder No.	2342	T-On Location	1645
(B) First Initial Flow Pressure	PSI	(depth)	3665	T-Started	1824
(C) First Final Flow Pressure	PSI	Recorder No.	13788	T-Open	2004
(D) Initial Shut-In Pressure	PSI	(depth)	3693'	T-Pulled	2018
(E) Second Initial Flow Pressure	PSI	Recorder No.	10248	T-Out	2310
(F) Second Final Flow Pressure	PSI	(depth)	3822'	T-Off Location	0015
(G) Final Shut-in Pressure	PSI	Initial Opening	1-2	Test	Misrun ✓ 400 cc
(Q) Final Hydrostatic Mud	PSI	Initial Shut-in		Jars	
		Final Flow		Safety Joint	✓ 50 cc
		Final Shut-in		Straddle	✓ 250
				Circ. Sub	
				Sampler	
				Extra Packer	✓ 150
				Elec. Rec.	✓ 150
				Mileage	
				Other	
				TOTAL PRICE \$	✓ 1000 cc

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Approved By \_\_\_\_\_

Our Representative Ray Kwoles