TRILOBITE TESTING L.L.C.

: ATOR : Prairie Res. Inc. DATE 11-8-99
.L NAME: Packard #4-23 KB 1588.00 ft TICKET NO: 11146 DST #1
'TION : 23-31s-13w Barber co KS GR 1580.00 ft FORMATION: Swope
RV : 4030.00 To 4050.00 ft TD 4050.00 ft TEST TYPE: CONV

ORDER DATA

s		Field	1	2	3	4
30	Rec.	13754	13754	13248		
60	Range(Psi)	4000.0	400.0	4250.0	0.0	0.0
30	Clock(hrs)	12	12	12		
60	Depth(ft)	4033.0	4033.0	4047.0	0.0	0.0

TIME DATA----------
PF Fr. 0532 to 0602 hr
IS Fr. 0602 to 0702 hr
SF Fr. 0702 to 0732 hr
FS Fr. 0732 to 0832 hr

	Field	1	2	3	4
Init Hydro	2006.0	1996.0	0.0	0.0	0.0
First Flow	39.0	37.0	0.0	0.0	0.0
Final Flow	127.0	111.0	0.0	0.0	0.0
In Shut-in	1196.0	1191.0	0.0	0.0	0.0
Init Flow	147.0	150.0	0.0	0.0	0.0
Final Flow	216.0	206.0	0.0	0.0	0.0
Fl Shut-in	1186.0	1185.0	0.0	0.0	0.0
Final Hydro	1936.0	1928.0	0.0	0.0	0.0
ide/Outside	O	O	I		

T STARTED 0400 hr
T ON BOTM 0530 hr
T OPEN 0532 hr
T PULLED 0832 hr
T OUT 1015 hr

: VERY
: Fluid 382.00 ft of 0.00 ft in DC and 382.00 ft in DP
.00 ft of Gas in pipe
) ft of Gassy mud 10% gas 90% mud
)0 ft of Water
0 ft of
ft of
ft of
)0 ft of
)0 ft of
NITY 210000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	1000.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	50000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	43000.00 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	0.00 ft
D.P. Length	4023.00 ft

) DESCRIPTION
ial Flow:
Strong bottom of bucket in 4 mins.
rial Shut-in:
led off blow, blow came back and
built to 1"
al Flow:
rong bottom of bucket in 11 mins.

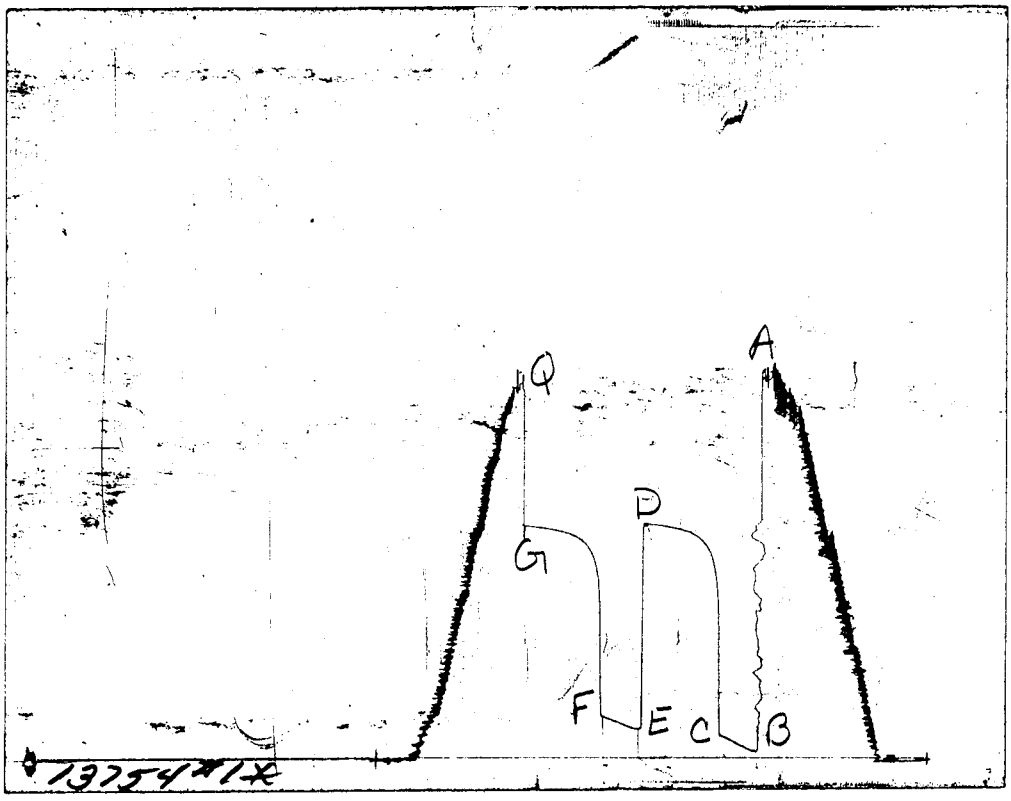
MUD DATA----------

Mud Type	chemical
Weight	9.50 lb/cf
Vis.	42.00 S/L
W.L.	19.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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	Dan Bangle
Co. Rep.	Gordon Keen
Contr.	Duke
Rig #	2
Unit #	
Pump T.	

LES:
T 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

Well Name & No. Packard #4-23 Test No. 1 Date 11-8-99

Company Prairie Res, Inc. Zone Tested Swope

Address 1016 Amanda Pines Dr. Parker, Colo. 80138 Elevation 1588 KB 1580 GL

Co. Rep / Geo. Gordon Keen Cont. Duke #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 23 Twp. 31 Rge. 13 Co. Barber State Ks

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

'nterval Tested 4030 - 4050 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 43000

Anchor Length 20' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000

Top Packer Depth 4025 Tool Weight 1000

Bottom Packer Depth 4030 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 4050 Wt. Pipe Run ____ Drill Collar Run ____

Mud Wt. 9.5 LCM ____ Vis. 42 WL 19.2 Drill Pipe Size 4-5XH Ft. Run 4023

Blow Description I.F. Strong - B.O.B. in 4 min.
I.S.I - Bled off blow - blow came back and built to 1"
F.F. Strong - B.O.B. in 11 min.

Rec'very — Total Feet 382 GIP 546 Ft. in DC ____ Ft. in DP 382

Rec. 72	Feet Of Gsy Mud	10 %gas	%oil	%water	90	%mud
Rec. 310	Feet Of WTR	%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 123 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW .104 @ 80 °F Chlorides 210,000 ppm Recovery Chlorides 3600 ppm System

(A) Initial Hydrostatic Mud	2006 PSI	Recorder No.	13754	T-Started	04:00
(B) First Initial Flow Pressure	39 PSI	(depth)	4033	T-Open	05:32
(C) First Final Flow Pressure	127 PSI	Recorder No.	13248	T-Pulled	08:32
(D) Initial Shut-in Pressure	1196 PSI	(depth)	4047	T-Out	10:15
(E) Second Initial Flow Pressure	147 PSI	Recorder No.	____		
(F) Second Final Flow Pressure	216 PSI	(depth)	____		
(G) Final Shut-in Pressure	1186 PSI	Initial Opening	30	Test	700
(H) Final Hydrostatic Mud	1936 PSI	Initial Shut-in	60	Jars X	200
		Final Flow	30	Safety Joint X	50
		Final Shut-in	60	Straddle	____
		____		Circ. Sub	____
		____		Sampler	____
				Extra Packer	____
				Elect. Rec.	____
				Other	____

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 Gordon W. Keen