

ORIGINAL



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared for

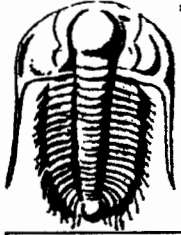
Oil Producers Inc of Kansas  
PO Box 8647  
Wichita, KS 67208

Tamra #1  
21-28s-18w  
Kiowa co KS

2000  
2 22 2000  
10:00 AM

Trilobite Testing, Inc  
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**TRILOBITE  
TESTING, INC.**

DRILL STEM TEST REPORT  
Oil Producers Inc of Kansas  
PO Box 8647  
Wichita, KS 67208

Well name#:	Tamra #1	Date:	3/15/2002
Location#:	21-28s-18w Kiowa Co KS	Ticket #:	15704
		DST#	1

General Informaion:

Formation:	Miss	Test Type:	Conventional	BHT:	
Interval:	4849-4876	Tester:	Darren Amerine	OIL API:	
Total Depth:	4876	Elevation:	2244 ft(KB)	H2O Salinity:	54000
Hole Diameter:	7 7/8"		2239 ft(CF)		

Start Data:	3/15/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	3:30:00	Weight Set on Packers:	20000	Mud Weight:	9.2
Time tool opened:	5:50:00	Weight to Pull Loose:	80000	Viscosity:	55
Time Off Btm:	9:50	Initial String Weight:	70000	Water Loss:	10
End Date:	3/13/02	Final String Weight:	70000	Resistivity;	
End Time:	12:00	Drill Pipe Length:	4584	Salinity:	7000
		Drill Collar Length:	247		

3/22/02

Test Comment:

IF: Fair blow bottom of bucket in 2 minutes  
 IS: Bled down for 5 minutes, built back to weak surface blow  
 FF: Strong Blow bottom of bucket in 30 seconds, GTS in 10 minutes  
 FSI: Bled down for 10 minutes very slight surface blow back

Recovery	313'	GIP 4519'	DP 248'	DC 65'
Length(ft):	Description:			
4519	Gas in Pipe			
313	Gas & mud cut salt water 5%gas 90%water 5%mud			

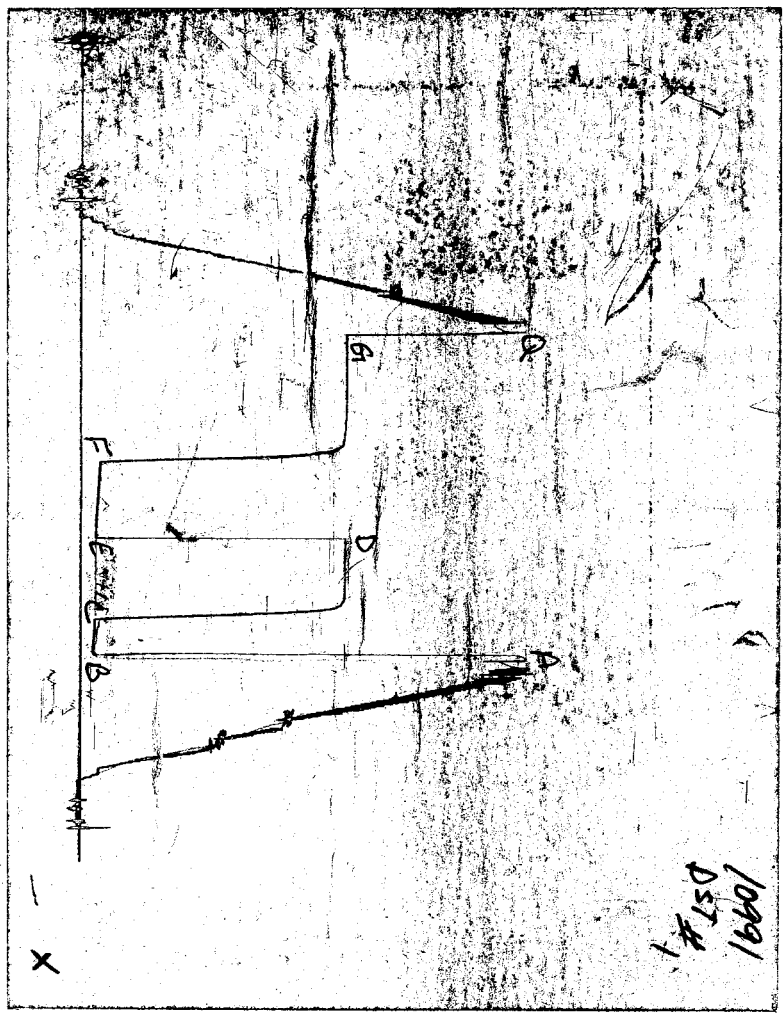
Gas Volume Report

Recorder #:	10991	Open	Min:	Ins. Of water	Orifice size	MCF/D
Pressure Summary:			Time:(min)			
Initial Hydro-static:	2501	1	20	4.6	.125	1.12
Open to Flow (1):	83	1	30	3.6	.125	975
Shut-in (1):	90	1	40	3	.125	975
End Shut-in (1):	1494	1	50	3	.125	975
Open to Flow (2):	97	1	60	3	.125	975
Shut-in (2):	116					
End Shut-in (2):	1494		90			
Final Hydro-static:	2472					

10991  
DST # 1

# CHART PAGE

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







# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

RECEIVED  
MAR 22 2002 No. 15704

## Test Ticket

Well Name & No. Tamca #1 Test No. #1 Date 03/15/02  
 Company Oil Producers, Inc. of Kansas Zone Tested Miss.  
 Address P.O. Box 8647 Wichita, Ks. 67208 Elevation 2244 KB 2239 GL  
 Co. Rep / Geo. Jon Christensen Cont. Mallard JV Est. Ft. of Pay      Por.      %  
 Location: Sec. 21 Twp. 28S Rge. 18W Co. kiowa State Ks  
 No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4849' - 4876' Initial Str Wt./Lbs. 70000 Unseated Str Wt./Lbs. 20000  
 Anchor Length 27' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 20000  
 Top Packer Depth 4844' Tool Weight 2100  
 Bottom Packer Depth 4849' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4876 Wt. Pipe Run N/A Drill Collar Run 247.58  
 Mud Wt. 9.2 LCM 0 Vis. 55 WL 10 Drill Pipe Size 4 1/2 x H Ft. Run 4584.42

Blow Description TF: Fail blow b.o.d. in 2 mins.  
FSI: Bled down for 5 mins, built back to work surface blow.  
FF: Strong blow b.o.d. in 30 sec 6TS in 10 mins Gauge Bar.  
FSI: Bled down for 10 mins very slight surface blow back

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>313'</u>	<u>4519'</u>	<u>248</u>	<u>65'</u>
Rec. <u>313</u> Feet Of <u>6CMCSW</u>	<u>8</u> %gas	<u>90</u> %oil	<u>5</u> %water
Rec. <u>4519</u> Feet Of <u>6TP</u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water

BHT      °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW .2 @ 50 °F Chlorides 54000 ppm Recovery Chlorides 7000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2523</u>		<u>13769</u>	<u>0000</u>
(B) First Initial Flow Pressure	<u>76</u>		(depth) <u>4859'</u>	T-Started <u>0330</u>
(C) First Final Flow Pressure	<u>96</u>		PSI Recorder No. <u>10991</u>	T-Open <u>0550</u>
(D) Initial Shut-in Pressure	<u>1492</u>		PSI (depth) <u>4870</u>	T-Pulled <u>0950</u>
(E) Second Initial Flow Pressure	<u>85</u>		PSI Recorder No. <u>    </u>	T-Out <u>1200</u>
(F) Second Final Flow Pressure	<u>117</u>		PSI (depth) <u>    </u>	T-Off Location <u>1230</u>
(G) Final Shut-in Pressure	<u>1481</u>		PSI Initial Opening <u>30</u>	Test <u>    </u>
(Q) Final Hydrostatic Mud	<u>2471</u>		PSI Initial Shut-in <u>60</u>	Jars <u>    </u>
			Final Flow <u>60</u>	Safety Joint <u>    </u>
			Final Shut-in <u>90</u>	Straddle <u>    </u>

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Approved By Jon Christensen  
 Our Representative Darwin J. Ammerino

Circ. Sub       
 Sampler       
 Extra Packer       
 Elec. Rec.       
 Mileage 32  
 Other       
 TOTAL PRICE \$