

15-097-21484

27-27s-19w



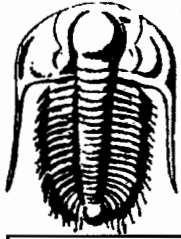
DRILL STEM TEST REPORT

Prepared for

TGT Petroleum
PO Box 75097
Wichita, KS 67275-0097

Floyd#1
27 27s 19w
Kiowa co KS

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Well name#:	Floyd#1	Date:	3/17/2002
Location#:	27 27s 19w	Ticket #:	14246
		DST#	1

General Informaion:

Formation:	LKC	Test Type:	Conventional	BHT:	120
Interval:	4456-4470	Tester:	Jim Wenrich	OIL API:	
Total Depth:	4470	Elevation:	2251 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2246 ft(CF)		
Start Data:	3/17/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	8:00:00	Weight Set on Packers:	20000	Mud Weight:	9.6
Time tool opened:	10:53:00	Weight to Pull Loose:	120000	Viscosity:	45
Time Off Btm:	14:53:00	Initial String Weight:	80000	Water Loss:	7.6
End Date:	3/17/02	Final String Weight:	80000	Resistivity:	
End Time:	17:30	Drill Pipe Length:	4089	Salinity:	16000
		Drill Collar Length:	366		

Test Comment:

IF: Strong blow B.O.B. in 33 min.
 ISI: No blow
 FF: Strong blow B.O.B. in 50 min.
 FSI: No blow

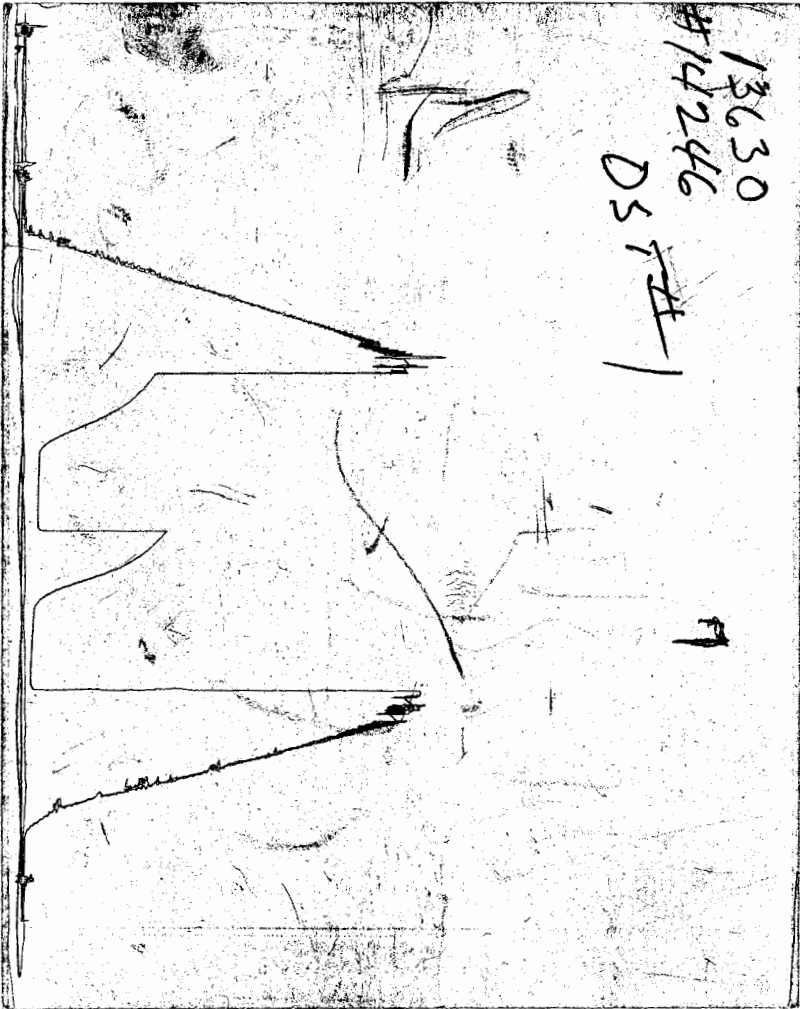
Recovery Length(ft):	180ft	546ft GIP	180ft in DC
	Description:		
30	GOCM 5%gas 4%oil 91%mud		
30	GOCM 15%gas 6%oil 79%mud		
60	GOCWM 20%gas 14%oil 26%water 40%mud		
60	GOCWM 15%gas 12%oil 57%water 16%mud		

Gas Volume Report

Recorder #:	10242	Open	Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:			Time:(min)			
Initial Hydro-static:	2396					
Open to Flow (1):	52		60			
Shut-in (1):	52					
End Shut-in (1):	860		60			
Open to Flow (2):	98		60			
Shut-in (2):	98					
End Shut-in (2):	757		60			
Final Hydro-static:	2300					

CHART PAGE

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





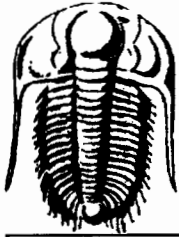
DRILL STEM TEST REPORT

Prepared for

TGT Petroleum
PO Box 75097
Wichita, KS 67275-0097

Floyd#1
27 27s 19w
Kiowa co KS

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Well name#:	Floyd#1	Date:	3/19/2002
Location#:	27 27s 19w	Ticket #:	14247
		DST#	2

General Informaion:

Formation:	Cherokee	Test Type:	Conventional	BHT:	126
Interval:	4724-4760	Tester:	Jim Wenrich	OIL API:	
Total Depth:	4760	Elevation:	2251 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2246 ft(CF)		
Start Data:	3/19/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	10:45:00	Weight Set on Packers:	20000	Mud Weight:	9.4
Time tool opened:	13:08:00	Weight to Pull Loose:	110000	Viscosity:	47
Time Off Btm:	17:08:00	Initial String Weight:	80000	Water Loss:	10
End Date:	3/19/02	Final String Weight:	80000	Resistivity:	
End Time:	19:45	Drill Pipe Length:	4370	Salinity:	20000
		Drill Collar Length:	366		

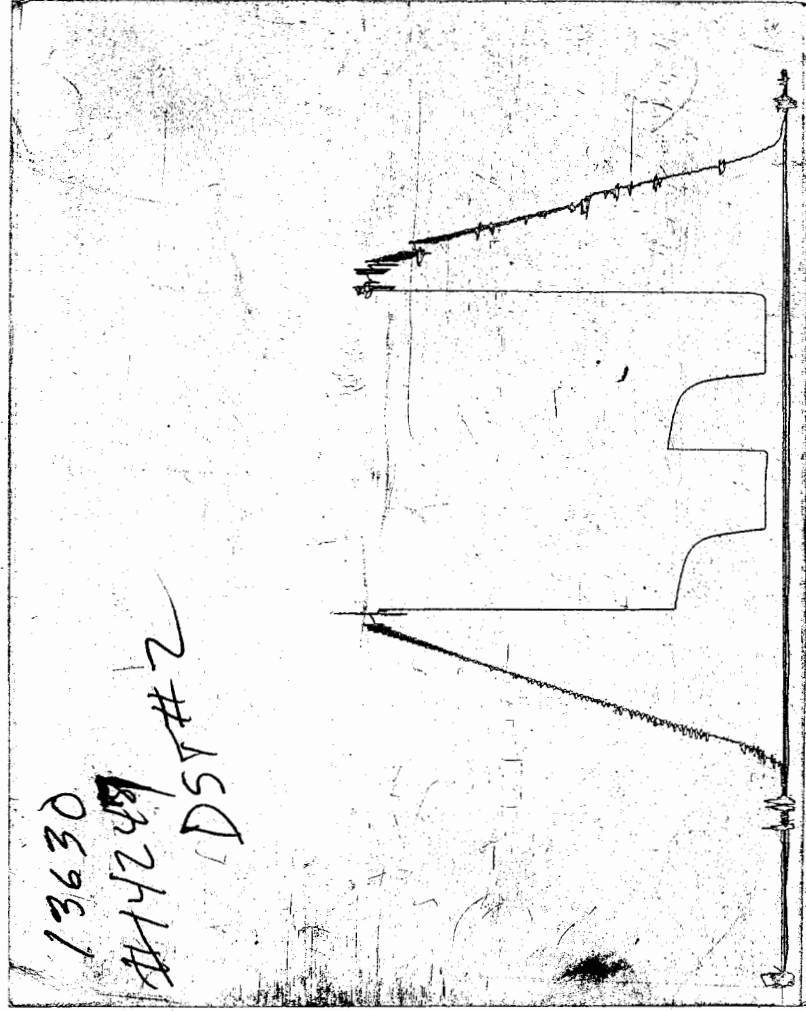
Test Comment:			
IF: Strong blow B.O.B. in 1 min. GTS in 33min. (see gas report)			
ISI: No blow			
FF: Strong blow B.O.B. immediately (see gas report)			
FSI: No blow			
Recovery Length(ft):	278ft	GTS	278ft in DC
	30	100% mud	
	60	GCM 15% gas 85% mud	
	90	GOCM 30% gas 2% oil 68% mud	
	98	GCMWOS 25% gas 75% mud	

Gas Volume Report

Recorder #:	10242	Open	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)			PSIG	size	
Initial Hydro-static:	2548	1st	30	8	1/4"	33.3
Open to Flow (1):	108		40	7	1/4"	31.8
Shut-in (1):	108		50	6	1/4"	30.4
End Shut-in (1):	693		60	5	1/4"	28.9
Open to Flow (2):	86	2nd	10	8	1/4"	33.3
Shut-in (2):	86		20	8	1/4"	33.3
End Shut-in (2):	647		30	5	1/4"	28.9
Final Hydro-static:	2383		40	4	1/4"	27.4
			50	3	1/4"	25.9
			60	3	1/4"	25.9

CHART PAGE

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





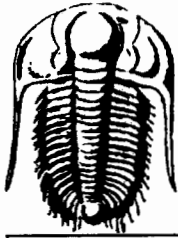
DRILL STEM TEST REPORT

Prepared for

TGT Petroleum
PO Box 75097
Wichita, KS 67275-0097

Floyd#1
27 27s 19w
Kiowa co KS

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Well name#:	Floyd#1	Date:	3/20/2002
Location#:	27 27s 19w	Ticket #:	14248
		DST#	3

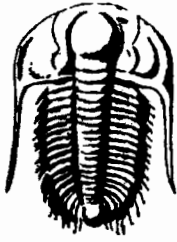
General Informaion:

Formation:	Mississippian	Test Type:	Conventional	BHT:	126
Interval:	4802-4815	Tester:	Jim Wenrich	OIL API:	
Total Depth:	4815	Elevation:	2251 ft(KB)	H2O Salinity:	45000
Hole Diameter:	7 7/8"		2246 ft(CF)		
Start Data:	3/20/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	10:15:00	Weight Set on Packers:	25000	Mud Weight:	9.6
Time tool opened:	12:16:00	Weight to Pull Loose:	100000	Viscosity:	45
Time Off Btm:	16:16:00	Initial String Weight:	80000	Water Loss:	10.6
End Date:	3/20/02	Final String Weight:	84000	Resistivity:	
End Time:	18:45	Drill Pipe Length:	4430	Salinity:	22000
		Drill Collar Length:	366		

Test Comment:					
IF: Strong blow B.O.B. immediately GTS in 4 min. (see gas report)					
ISI: Weak blow					
FF: Strong blow B.O.B. immediately (see gas report)					
FSI: Strong blow					
Recovery	1050ft	GTS	366ft in DC	684ft in DP	
Length(ft):	Description:				
240	GCM 20%gas 80%mud				
420	SMW				
390	GW				

Gas Volume Report

Recorder #:	10242	Open	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)			PSIG	size	
Initial Hydro-static:	2613					
Open to Flow (1):	198	60				
Shut-in (1):	202					
End Shut-in (1):	1145	60				
Open to Flow (2):	293	60				
Shut-in (2):	338					
End Shut-in (2):	1117	60				
Final Hydro-static:	2522					



TRILOBITE TESTING, INC.

PO Box 362 - Hays, Kansas 67601 - (785) 625-4778

GAS VOLUME REPORT

Operator:

Well Name: Floyd#1

DST #:

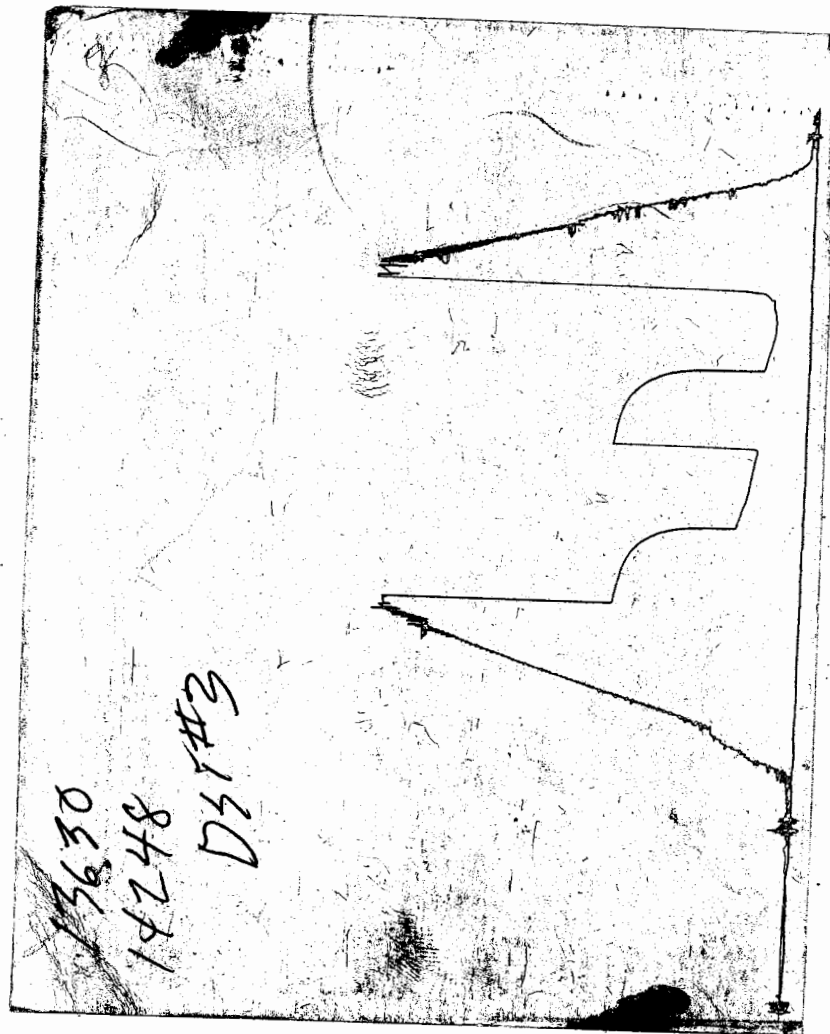
3

Remarks:

Min:	Ins. Of water	Orifice size	CF/D	Min:	Ins. Of water	Orifice size	CF/D
10	12	3/4"	386.2	10	20	1/2"	195.9
20	6	3/4"	299.2	20	14	1/2"	162
30	10	1/2"	139.3	30	7	1/2"	122.4
40	9	1/2"	133.7	40	3	1/2"	99.8
50	7	1/2"	122.4	50	13	3/8"	94
60	6	1/2"	116.7	60	14	3/8"	97.4

CHART PAGE

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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 14246

Test Ticket

Well Name & No. <u>Floyd #1</u>	Test No. <u>1</u>	Date <u>3/19/02</u>
Company <u>TGT Petroleum</u>	Zone Tested <u>LKC</u>	
Address <u>P.O. Box 75097 Wichita Ks 67275-0097</u>		Elevation <u>2251</u> KB <u>2246</u> GL
Co. Rep / Geo. <u>Jeff Christian</u>	Cont. <u>Abercrombie/Daly #8</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>27</u>	Twp. <u>29s</u>	Rge. <u>19w</u> Co. <u>Nowa</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>4456</u> <u>4470</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>80,000</u>
Anchor Length <u>14</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>120,000</u>
Top Packer Depth <u> </u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4456</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>4470</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>366</u>
Mud Wt. <u>9.6</u> LCM <u>0</u> Vis. <u>45</u> WL <u>7.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4089</u>
Blow Description <u>IF: Strong blow B.O.B. in 33 mins. FSI: No blow.</u>		
<u>FF: Strong blow. B.O.B. in 50 mins. FSI: No blow.</u>		

Recovery — Total Feet <u>180</u>	GIP <u>546</u>	Ft. in DC <u>180</u>	Ft. in DP <u>0</u>
Rec. <u>30</u> Feet Of <u>90CM</u>	<u>5</u> %gas <u>4</u> %oil	<u> </u> %water <u>91</u> %mud	
Rec. <u>30</u> Feet Of <u>90CM</u>	<u>15</u> %gas <u>6</u> %oil	<u> </u> %water <u>79</u> %mud	
Rec. <u>60</u> Feet Of <u>90CWM</u>	<u>20</u> %gas <u>14</u> %oil	<u>26</u> %water <u>40</u> %mud	
Rec. <u>60</u> Feet Of <u>90CWM</u>	<u>15</u> %gas <u>12</u> %oil	<u>57</u> %water <u>16</u> %mud	
Rec. <u> </u> Feet Of <u> </u>	<u> </u> %gas <u> </u> %oil	<u> </u> %water <u> </u> %mud	
BHT <u>120</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F	Chlorides <u>16,000</u> ppm	Recovery Chlorides <u>16,000</u> ppm	System <u> </u>

(A) Initial Hydrostatic Mud <u>2452</u>	AK-1	Alpine	PSI Recorder No. <u>10242</u>	T-On Location <u>0630</u>
(B) First Initial Flow Pressure <u>93</u>			PSI (depth) <u>4457</u>	T-Started <u>0800</u>
(C) First Final Flow Pressure <u>93</u>			PSI Recorder No. <u>13630</u>	T-Open <u>1053</u>
(D) Initial Shut-In Pressure <u>897</u>			PSI (depth) <u>4468</u>	T-Pulled <u>1453</u>
(E) Second Initial Flow Pressure <u>129</u>			PSI Recorder No. <u> </u>	T-Out <u>1730</u>
(F) Second Final Flow Pressure <u>129</u>			PSI (depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure <u>812</u>			PSI Initial Opening <u> </u>	Test <u>1800</u>
(Q) Final Hydrostatic Mud <u>2565</u>			PSI Initial Shut-in <u> </u>	Jars <u>200</u>
			Final Flow <u> </u>	Safety Joint <u>150</u>
			Final Shut-in <u> </u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u>-150</u>
				Elec. Rec. <u> </u>
				Mileage <u>45</u>
				Other <u>2 hrs leo</u>
				TOTAL PRICE \$ <u>945</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 Jeff Christian
 Our Representative

11:00
 Safety Joint 150
 Straddle
 Circ. Sub
 Sampler
 Extra Packer -150
 Elec. Rec.
 Mileage 45
 Other 2 hrs leo
 TOTAL PRICE \$ 945

1005

CHART PAGE

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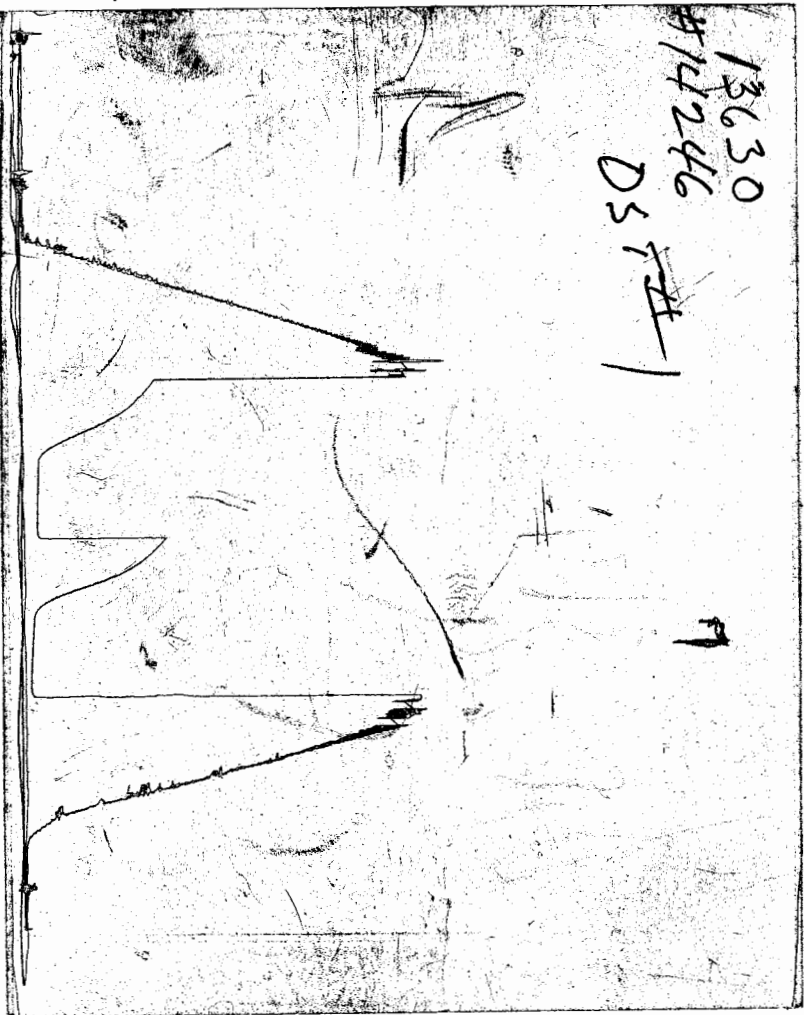
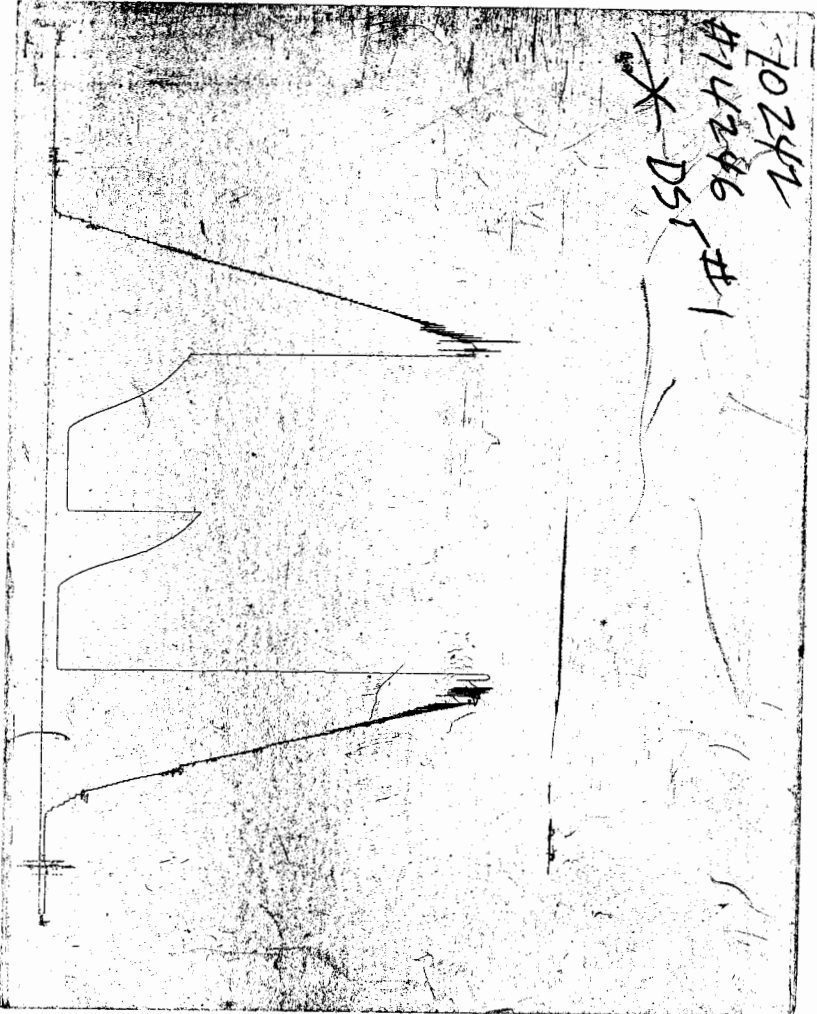


CHART PAGE

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



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 14247

Test Ticket

Well Name & No. <u>Floyd #1</u>	Test No. <u>2</u>	Date <u>3/19/02</u>
Company <u>TGT Petroleum</u>	Zone Tested <u>Cherokee</u>	
Address <u>P.O. Box 75097 Wichita, Ks 67275-0097</u>	Elevation <u>2251</u>	KB <u>2246</u> GL
Co. Rep / Geo. <u>Jeff Christian</u>	Cont. <u>Abernethie Dak #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>27</u> Twp. <u>27s</u> Rge. <u>19w</u> Co. <u>Nowa</u> State <u>Ks</u>		
No. of Copies <u>5</u> Distribution Sheet (Y, N) <input checked="" type="checkbox"/>	Turnkey (Y, N) <input checked="" type="checkbox"/>	Evaluation (Y, N) <input checked="" type="checkbox"/>

Interval Tested <u>4724 - 4760</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>80,000</u>
Anchor Length <u>36</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>10,000</u>
Top Packer Depth _____	Tool Weight <u>2,100</u>	
Bottom Packer Depth <u>4724</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>4760</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>366</u>
Mud Wt. <u>9.4</u> LCM <input checked="" type="checkbox"/> Vis. <u>47</u> WL <u>10.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4370</u>
Blow Description <u>IF: Strong blow B.O.B. 1 min. GTS 33 mins. (see gas report)</u>		
<u>ISF: No blow. FF: Strong blow B.O.B. immediately (see gas report)</u>		
<u>FST: No blow.</u>		

Recovery — Total Feet <u>278</u>	GIP <u>GTS</u>	Ft. in DC <u>278</u>	Ft. in DP <u>0</u>
Rec. <u>30</u> Feet Of <u>M</u>	%gas _____ %oil _____ %water _____ %mud _____		
Rec. <u>60</u> Feet Of <u>GCM</u>	<u>15</u> %gas _____ %oil _____ %water <u>85</u> %mud		
Rec. <u>90</u> Feet Of <u>GOCM</u>	<u>30</u> %gas <u>2</u> %oil _____ %water <u>68</u> %mud		
Rec. <u>98</u> Feet Of <u>GCMWOS</u>	<u>25</u> %gas _____ %oil _____ %water <u>75</u> %mud		
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____		
BHT <u>126</u> °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API			
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides <u>20,000</u> ppm System			

(A) Initial Hydrostatic Mud <u>2565</u> AK-1 Alpine	PSI Recorder No. <u>10242</u>	T-On Location <u>0950</u>
(B) First Initial Flow Pressure <u>117</u>	PSI (depth) <u>4725</u>	T-Started <u>1045</u>
(C) First Final Flow Pressure <u>117</u>	PSI Recorder No. <u>13630</u>	T-Open <u>1308</u>
(D) Initial Shut-In Pressure <u>108</u>	PSI (depth) <u>4758</u>	T-Pulled <u>1708</u>
(E) Second Initial Flow Pressure <u>105</u>	PSI Recorder No. _____	T-Out <u>1945</u>
(F) Second Final Flow Pressure <u>105</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure <u>667</u>	PSI Initial Opening <u>60</u>	Test <input checked="" type="checkbox"/> <u>800</u>
(Q) Final Hydrostatic Mud <u>2546</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
	Final Flow <u>60</u>	Safety Joint <u>50</u>
	Final Shut-in <u>60</u>	Straddle _____
		Circ. Sub _____
		Sampler _____
		Extra Packer <u>750</u>
		Elec. Rec. _____
		Mileage <u>45</u>
		Other <u>1 hr 30</u>
		TOTAL PRICE \$ <u>945</u>
		<u>975</u>

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Approved By Jeff Christian
 Our Representative Jim Aneurich

9:55

CHART PAGE

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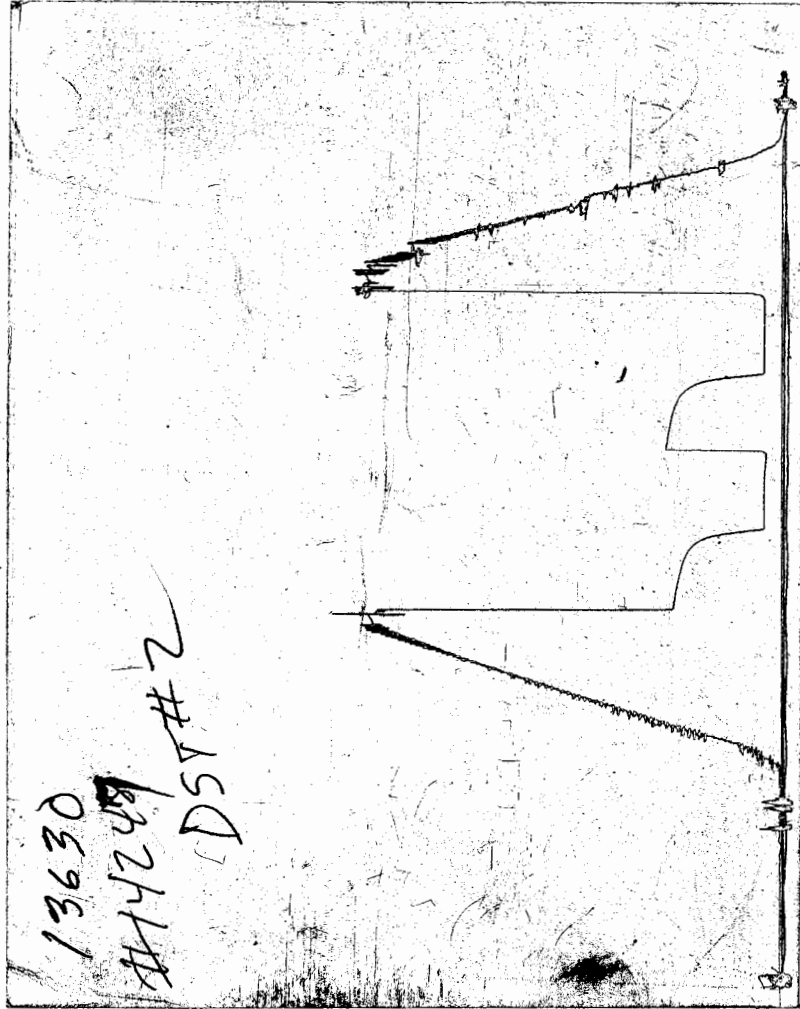
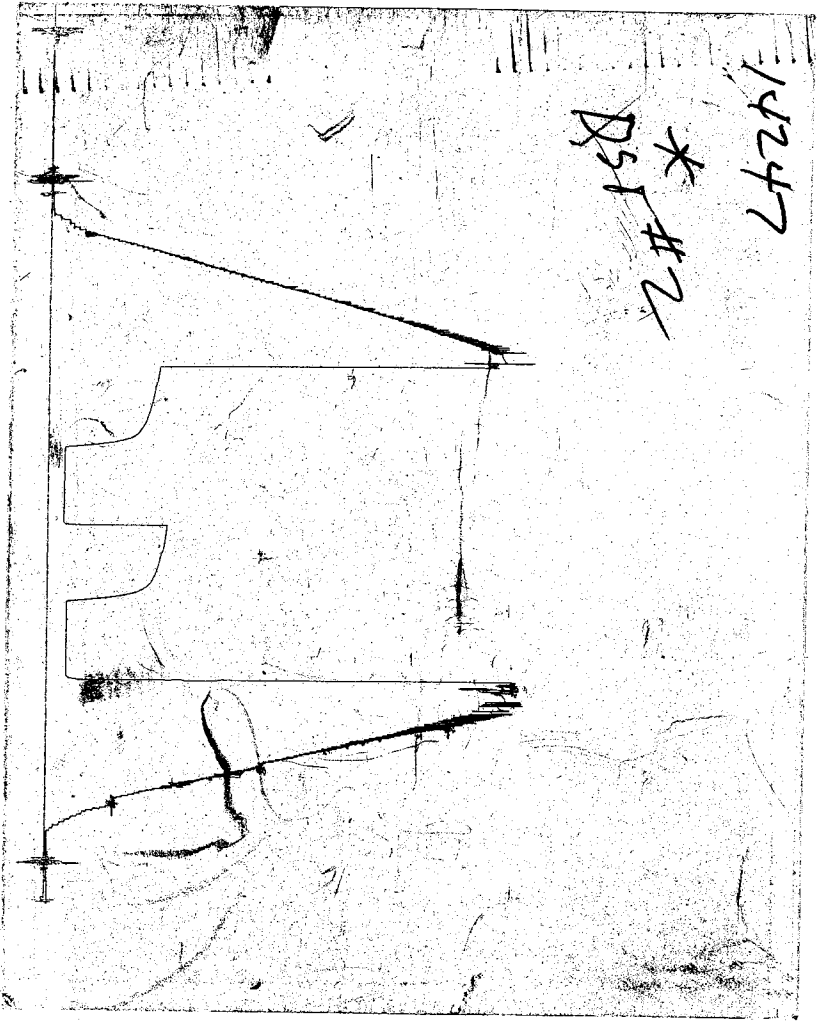


CHART PAGE

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



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 14248

Test Ticket

Well Name & No. <u>Floyd #1</u>	Test No. <u>3</u>	Date <u>3/20/02</u>
Company <u>TGT Petroleum</u>	Zone Tested <u>Miss</u>	
Address <u>P.O. Box 75097 Wichita KS 67275-0097</u>	Elevation <u>2251</u>	KB <u>2246</u> GL
Co. Rep / Geo. <u>Jeff Christina</u>	Cont. <u>Abercrombie #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>27</u>	Twp. <u>27s</u>	Rge. <u>19w</u>
Co. <u>KIOWA</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>4802</u>	<u>4815</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>84,000</u>
Anchor Length _____	<u>13</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>100,000</u>
Top Packer Depth _____	_____	Tool Weight <u>2100</u>	_____
Bottom Packer Depth _____	<u>4802</u>	Hole Size — <u>7 7/8"</u> ✓	Rubber Size — <u>6 3/4"</u> ✓
Total Depth _____	<u>4815</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>366</u>
Mud Wt. <u>9.6</u> LCM <u>~</u> Vis. <u>45</u> WL <u>10.6</u>	_____	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4430</u>

Blow Description IF: Strong blow B.O.B. immediately. QFS 4mins. (see gas report)
FSL: Weak blow 1"-3" FF: Strong blow B.O.B. immediately (see gas report)
FSL: Strong blow 1"-10"

Recovery — Total Feet <u>1050</u>	GIP <u>QFS</u>	Ft. in DC <u>366</u>	Ft. in DP <u>684</u>
Rec. <u>240</u> Feet Of <u>OCM</u>		20 %gas	%oil
Rec. <u>420</u> Feet Of <u>SMW</u>		%gas	%oil
Rec. <u>390</u> Feet Of <u>BW</u>		%gas	%oil
Rec. _____ Feet Of _____		%gas	%oil
Rec. _____ Feet Of _____		%gas	%oil
BHT <u>126</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API	
RW _____ @ _____	°F Chlorides <u>45,000</u>	ppm Recovery	Chlorides <u>22,000</u> ppm System

(A) Initial Hydrostatic Mud <u>2638</u>	PSI Recorder No. <u>10242</u>	T-On Location <u>0945</u>
(B) First Initial Flow Pressure <u>222</u>	PSI (depth) <u>4803</u>	T-Started <u>1015</u>
(C) First Final Flow Pressure <u>269</u>	PSI Recorder No. <u>13630</u>	T-Open <u>1214</u>
(D) Initial Shut-In Pressure <u>1154</u>	PSI (depth) <u>4813</u>	T-Pulled <u>1616</u>
(E) Second Initial Flow Pressure <u>315</u>	PSI Recorder No. _____	T-Out <u>1845</u>
(F) Second Final Flow Pressure <u>409</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure <u>1122</u>	PSI Initial Opening <u>60</u>	Test ✓ <u>800</u>
(Q) Final Hydrostatic Mud <u>2535</u>	PSI Initial Shut-in <u>60</u>	Jars ✓ <u>200</u>
	Final Flow <u>60</u>	Safety Joint ✓ <u>150</u>
	Final Shut-in <u>60</u>	Straddle _____
		Circ. Sub _____
		Sampler _____
		Extra Packer <u>-150</u>
		Elec. Rec. _____
		Mileage <u>45</u>
		Other _____
		TOTAL PRICE \$ <u>945</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 Jeff Christina
 Our Representative Jan Abercrombie

9:00

CHART PAGE

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

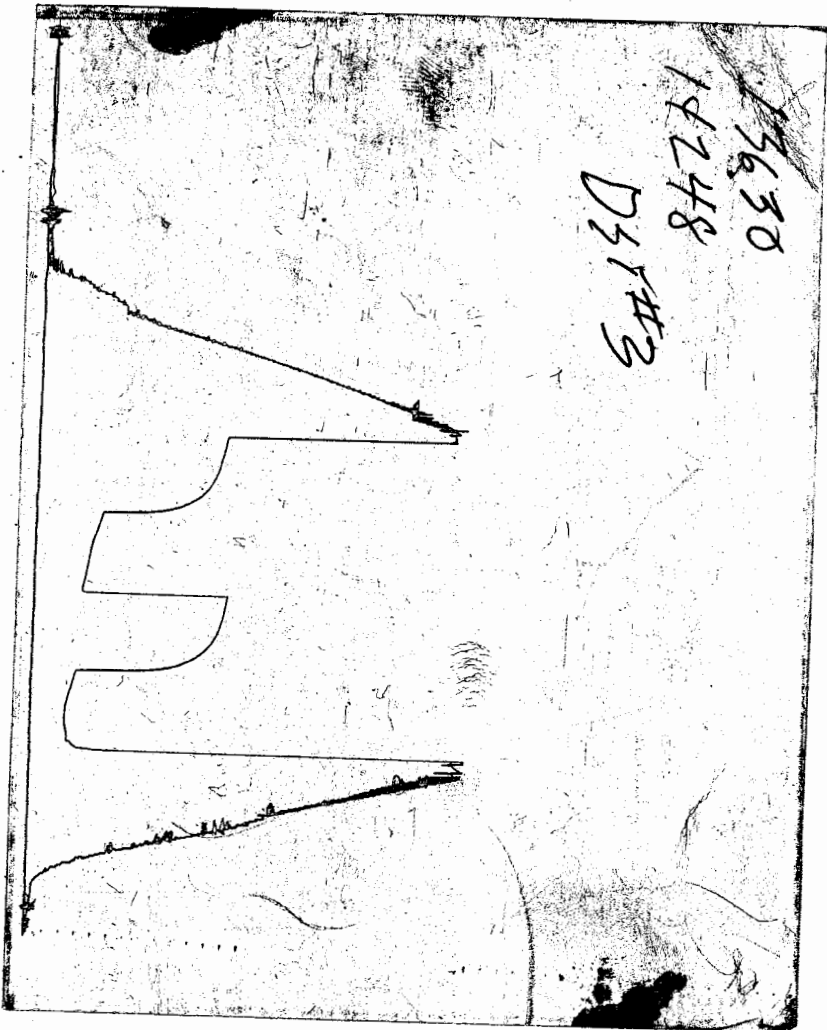
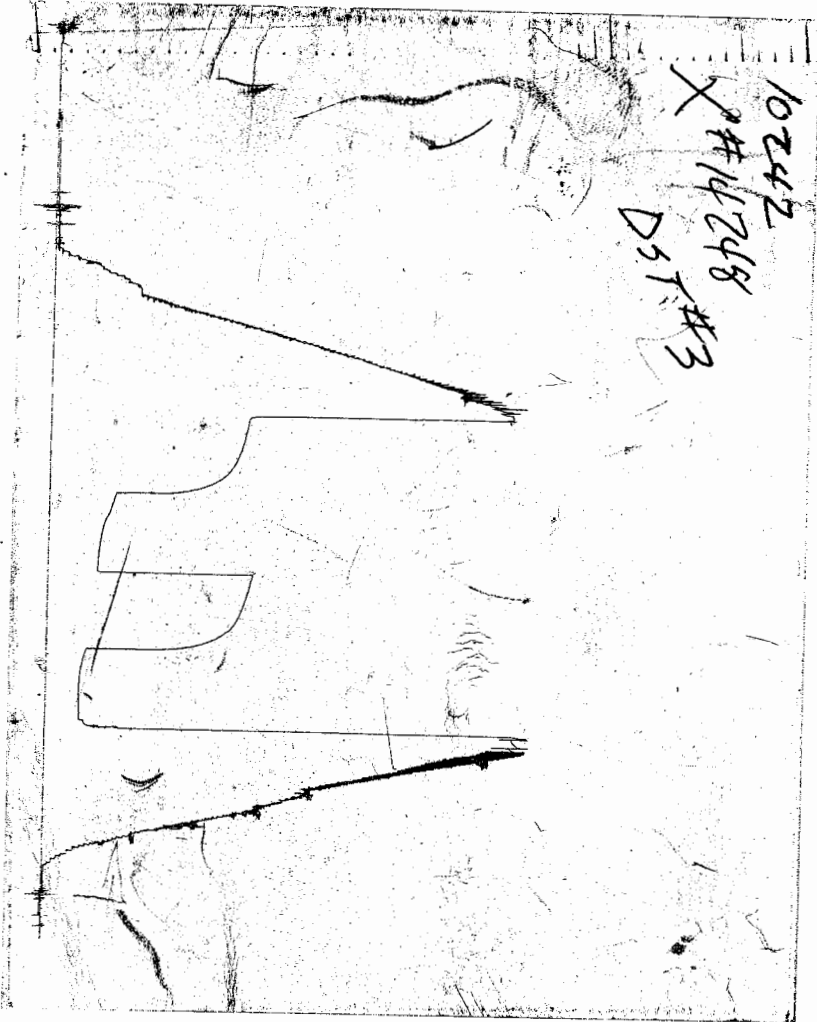


CHART PAGE

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



NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20021276 Analyzed: 03/25/02

Sample From: Floyd 1 DST 3 Pressure:
Producer: TGT Petroleum Temperature:

Date: Location: 27-27-19

Time: County: Kiowa
Sampler: State: Kansas
Source: Formation: Miss

	Mole %	GPM
Helium	He: 0.243	0.000
Hydrogen	H2: 0.001	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.587	0.000
Carbon Dioxide	CO2: 0.135	0.000
Methane	C1: 90.666	0.000
Ethane	C2: 3.270	0.875
Propane	C3: 1.051	0.290
Iso Butane	iC4: 0.179	0.059
Normal Butane	nC4: 0.356	0.112
Iso Pentane	iC5: 0.111	0.041
Normal Pentane	nC5: 0.109	0.039
Hexanes Plus	C6+: 0.292	0.127

TOTAL: 100.000 1.542

Z Fact: 0.9978

SP.GR.: 0.6165

BTU (SAT): 1027.8 @ 14.73 psia

BTU (DRY): 1045.9 @ 14.73 psia

OCTANE RATING: 123.0

COMMENTS:

0.000