

15-129-21591

Well Name: Ruby Kinsler 1-41
Company: Pioneer Oil Co.
Location: 4-32s-40w
Morton country Kansas
Date: 9-2-99

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer oil Co.

DATE 8-28-99

WELL NAME: Ruby Kinsler #1-41

KB 3280.00 ft

TICKET NO: 12177 DST #1

LOCATION : 4-32S-40W Morton co KS

GR 3270.00 ft

FORMATION: Wabaunsee

INTERVAL : 2849.00 To 2897.00 ft

TD 2897.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10993	10993	3030			PF Fr. 2245 to 2300 hr
SI 45 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 2300 to 2345 hr
SF 45 Clock(hrs)	18HR.	18HR.	Elet.			SF Fr. 2345 to 0030 hr
FS 90 Depth(ft)	2894.0	2894.0	2851.0	0.0	0.0	FS Fr. 0030 to 0200 hr

	Field	1	2	3	4	
A. Init Hydro	1478.0	1425.0	1422.0	0.0	0.0	T STARTED 2045 hr
B. First Flow	108.0	150.0	19.0	0.0	0.0	T ON BOTM 2243 hr
B1. Final Flow	108.0	150.0	24.0	0.0	0.0	T OPEN 2245 hr
C. In Shut-in	250.0	250.0	225.0	0.0	0.0	T PULLED 0200 hr
D. Init Flow	108.0	114.0	19.0	0.0	0.0	T OUT 0415 hr
E. Final Flow	119.0	136.0	30.0	0.0	0.0	
F. Fl Shut-in	271.0	269.0	239.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1457.0	1425.0	1385.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 72000.00 lbs
						Unseated Str Wt 72000.00 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 374.00 ft
						D.P. Length 2539.00 ft

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP

75.00 ft of Gas in pipe

0.00 ft of

15.00 ft of 100% Mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:

Weak blow built to 2"

Final Flow:

Weak blow built to 2.5"

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	38.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 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	

SAMPLES: no

SENT TO:

Tester	Mike Colantonio
Co. Rep.	George Payne
Contr.	Big "A"
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

24

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH	
STUBB 1ft	2850
ANCHOR	
1ft	2851
Alpine Rec	2851
T.C.	
DEPTH	
4ft Perf	2860
33ft pipe subs	2893
AK-1 rec.	2894
BULLNOSE	
T.D. 4ft Bullplug	2897

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833

P.O.	SUB Top tool	2827
C.O.	SUB 1ft	2828
S.I.	TOOL Sterling	2833
HMV	Sterling	2838

P.O.	SUB Top tool	2827
C.O.	SUB 1ft	2828
S.I.	TOOL Sterling	2833
HMV	Sterling	2838
JARS		

P.O.	SUB Top tool	2827
C.O.	SUB 1ft	2828
S.I.	TOOL Sterling	2833
HMV	Sterling	2838
JARS		

P.O.	SUB Top tool	2827
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S.I.	TOOL Sterling	2833
HMV	Sterling	2838
JARS		

P.O.	SUB Top tool	2827
C.O.	SUB 1ft	2828
S.I.	TOOL Sterling	2833
HMV	Sterling	2838
JARS		

P.O.	SUB Top tool	2827
C.O.	SUB 1ft	2828
S.I.	TOOL Sterling	2833
H.M.V.	Sterling	2838
J.A.R.S.		
S.F.J.	JOINT Bowens	2840

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845

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S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH	

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH	
STUBB 1ft	2850
ANCHOR	
1ft	2851

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
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SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH	
STUBB 1ft	2850
ANCHOR	
1ft	2851
Alpine Rec	2851

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
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SAFETY JOINT Bowens	2840
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STUBB 1ft	2850
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1ft	2851
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SAFETY JOINT Bowens	2840
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STUBB 1ft	2850
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Alpine Rec	2851

P.O. SUB Top tool	2827
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S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH STUBB 1ft	2850
ANCHOR 1ft	2851
Alpine Rec	2851
T.C.	
DEPTH	

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH	
STUBB 1ft	2850
ANCHOR 1ft	2851
Alpine Rec	2851
T.C.	
DEPTH	
4ft Perf	2860

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH STUBB 1ft	2850
ANCHOR 1ft	2851
Alpine Rec	2851
T.C. DEPTH	
4ft Perf	2860
33ft pipe subs	2893

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH STUBB 1ft	2850
ANCHOR 1ft	2851
Alpine Rec	2851
T.C. DEPTH	
4ft Perf	2860
33ft pipe subs	2893
AK-1 rec	2894

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH STUBB 1ft	2850
ANCHOR 1ft	2851
Alpine Rec	2851
T.C. DEPTH	
4ft Perf	2860
33ft pipe subs	2893
AK-1 rec.	2894
BULL NOSE	

P.O. SUB Top tool	2827
C.O. SUB 1ft	2828
S.I. TOOL Sterling	2833
HMV Sterling	2838
JARS	
SAFETY JOINT Bowens	2840
PACKER 5ft	2845
PACKER 5ft	2849
DEPTH STUBB 1ft	2850
ANCHOR 1ft	2851
Alpine Rec	2851
T.C. DEPTH	
4ft Perf	2860
33ft pipe subs	2893
AK-1 rec.	2894
BULLNOSE T.D. 4ft Bullplug	2899

TEST HISTORY

12177 DST #1 Ruby Kinsler #1-41 Pioneer Oil Co.

Flag Points
t(Min.) P(PSig)

A:	0.00	1422.24
B:	0.00	19.17
C:	15.00	24.48
D:	44.25	225.89
E:	0.00	19.71
F:	44.25	30.61
G:	92.25	239.43
H:	0.00	1385.95

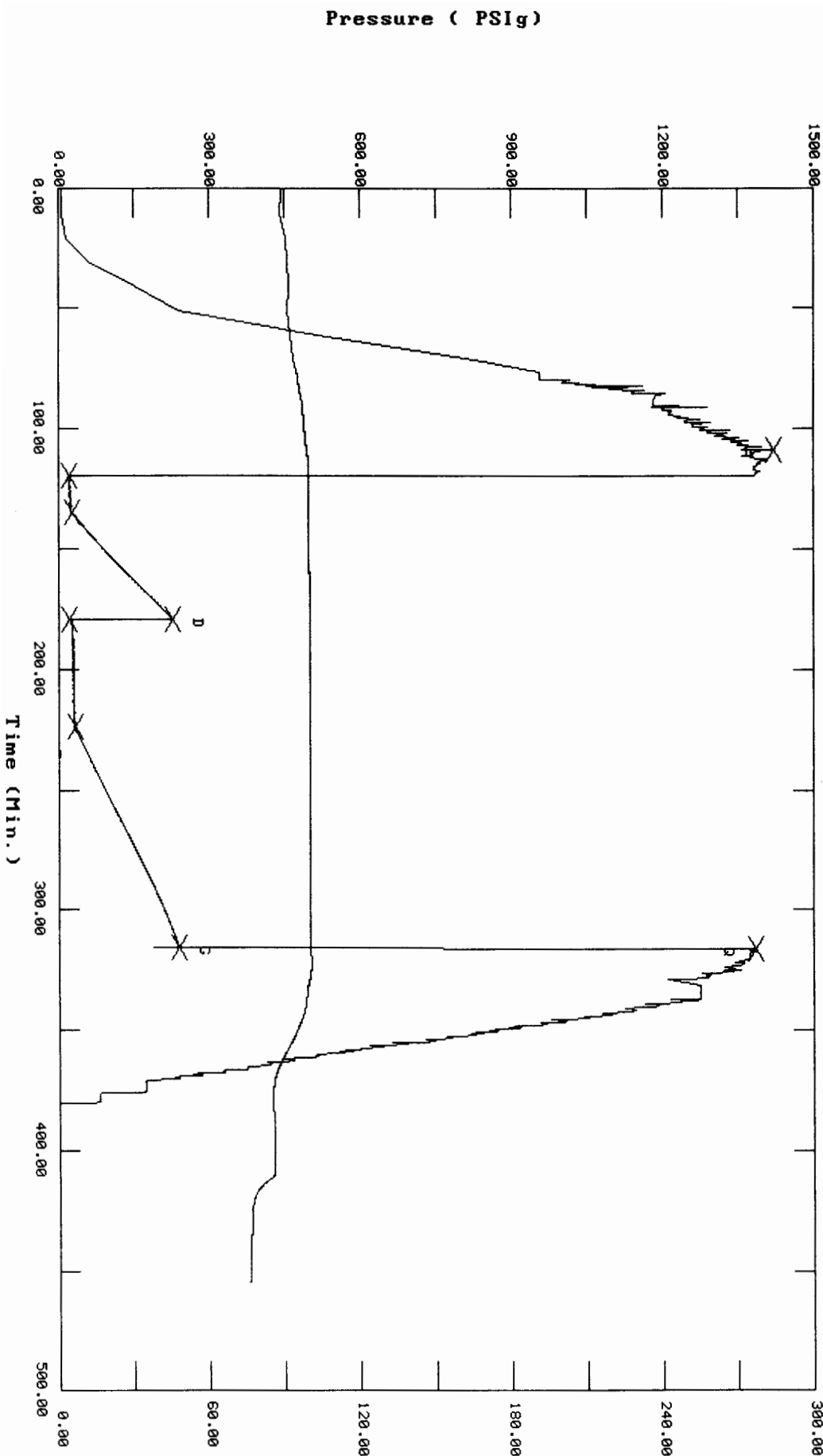
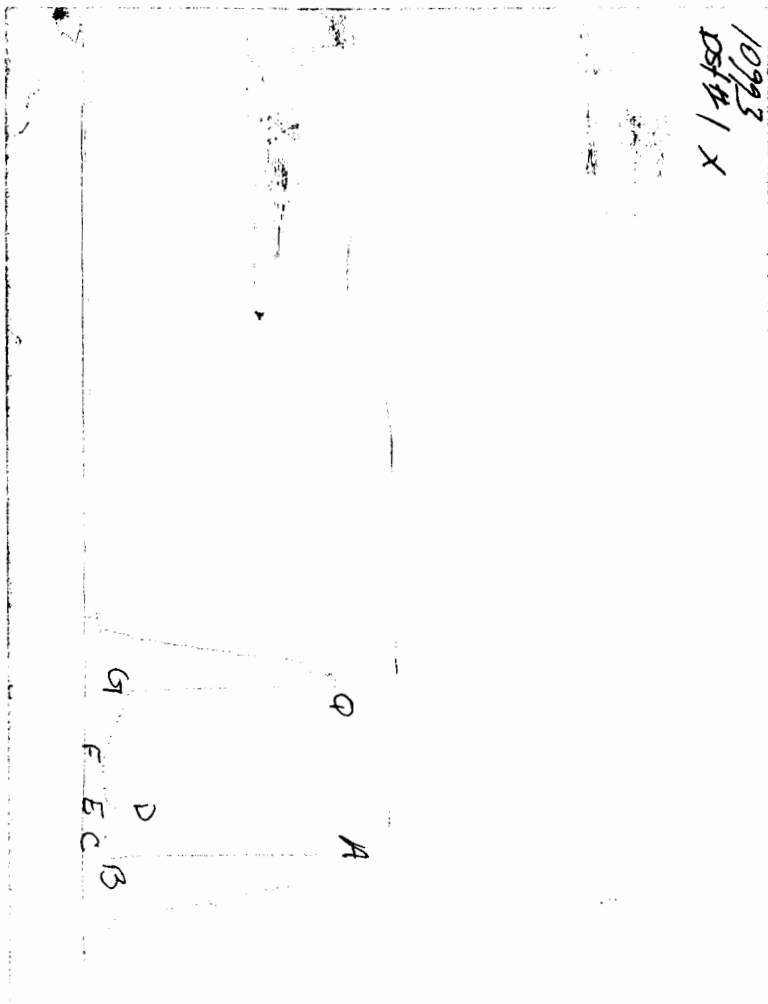


CHART PAGE

10993
10412 / X



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 12177

Test Ticket

Well Name & No.	<u>Ruby Kinsler #1-41</u>	Test No.	<u>#1</u>	Date	<u>8-28-99</u>
Company	<u>Pioneer O.B. Co.</u>	Zone Tested	<u>Wabansucc</u>		
Address	<u>RR Box 1428 Hounsaville IL 62939</u>	Elevation	<u>3280</u>	KB	<u>3210</u> GL
Co. Rep / Geo.	<u>Jon Christenson</u>	Cont.	<u>Big "A" Rig #2</u>	Est. Ft. of Pay	<u>5</u> Por. <u>15</u> %
Location: Sec.	<u>4</u>	Twp.	<u>32S</u>	Rge.	<u>40W</u> Co. <u>Morton</u> State <u>KS.</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>2849-2897</u>	Initial Str Wt./Lbs.	<u>7200</u>	Unseated Str Wt./Lbs.	<u>72000</u>
Anchor Length	<u>4.5'</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>80000</u>
Top Packer Depth	<u>2844</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>2849</u>	Hole Size — 7 7/8" <u>+</u>	Rubber Size — 6 3/4" <u>x</u>		
Total Depth	<u>2897</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>374'</u>
Mud Wt.	<u>92</u> LCM <u>3"</u> Vis. <u>38</u> WL <u>10.4</u>	Drill Pipe Size	<u>4.5x0</u>	Ft. Run	<u>2839</u>
Blow Description	<u>1st opening Weak Blow Bu. 11 to 2"</u>				

2nd opening Weak Blow Bu. 11 to 2.5"

Recovery — Total Feet	<u>15</u>	GIP	<u>75</u>	Ft. in DC		Ft. in DP	
Rec.	<u>15</u>	Feet Of	<u>2 1/2 mud</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
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>100</u>	°F Gravity		°API D@		°F Corrected Gravity	
RW		@		°F Chlorides		ppm Recovery	
				Chlorides	<u>4700</u>	ppm System	

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1478</u>	<u>1422</u>	PSI	Recorder No.	<u>3030</u>
(B) First Initial Flow Pressure	<u>108</u>	<u>19</u>	PSI	(depth)	<u>2851</u>
(C) First Final Flow Pressure	<u>108</u>	<u>24</u>	PSI	Recorder No.	<u>10993</u>
(D) Initial Shut-In Pressure	<u>250</u>	<u>225</u>	PSI	(depth)	<u>2854</u>
(E) Second Initial Flow Pressure	<u>108</u>	<u>19</u>	PSI	Recorder No.	
(F) Second Final Flow Pressure	<u>119</u>	<u>30</u>	PSI	(depth)	
(G) Final Shut-in Pressure	<u>271</u>	<u>239</u>	PSI	Initial Opening	<u>15 min</u>
(Q) Final Hydrostatic Mud	<u>1457</u>	<u>1385</u>	PSI	Initial Shut-in	<u>45 min</u>
				Final Flow	<u>45 min</u>
				Final Shut-in	<u>90 min</u>

T-On Location	<u>7:00pm</u>
T-Started	<u>8:45pm</u>
T-Open	<u>10:45pm</u>
T-Pulled	<u>2:00am</u>
T-Out	<u>4:15am</u>
T-Off Location	
Test	<u>✓ Conventional</u>
Jars	
Safety Joint	<u>✓ 50</u>
Straddle	
Circ. Sub	<u>✓ 14C</u>
Sampler	
Extra Packer	
Elec. Rec.	<u>✓ 150</u>
Mileage	
Other	
TOTAL PRICE \$	<u>800</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 Jon Christenson

Our Representative Mike Christenson

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer oil Co.

DATE 8-29-99

WELL NAME: Ruby Kinsler #1-41

KB 3280.00 ft

TICKET NO: 12178 DST #2

LOCATION : 4-32S-40W Morton co KS

GR 3270.00 ft

FORMATION: Wabaunsee

INTERVAL : 3044.00 To 3075.00 ft

TD 3075.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10993	10993	3030			PF Fr. 2310 to 2325 hr
SI 45 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 2325 to 0010 hr
SF 45 Clock(hrs)	18HR.	18HR.	Elet.			SF Fr. 0010 to 0055 hr
FS 90 Depth(ft)	3072.0	3072.0	3046.0	0.0	0.0	FS Fr. 0055 to 0225 hr

	Field	1	2	3	4	
A. Init Hydro	1542.0	1549.0	1467.0	0.0	0.0	T STARTED 2100 hr
B. First Flow	163.0	193.0	15.0	0.0	0.0	T ON BOTM 2308 hr
B1. Final Flow	163.0	193.0	25.0	0.0	0.0	T OPEN 2310 hr
C. In Shut-in	629.0	626.0	536.0	0.0	0.0	T PULLED 0225 hr
D. Init Flow	173.0	196.0	25.0	0.0	0.0	T OUT 0400 hr
E. Final Flow	173.0	196.0	61.0	0.0	0.0	
F. Fl Shut-in	618.0	627.0	532.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1510.0	1541.0	1434.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 72000.00 lbs
						Unseated Str Wt 72000.00 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 374.00 ft
						D.P. Length 2672.00 ft

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 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
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in
 3 mins. gas to surface in 13 mins.

Final Flow:

Strong blow bottom of bucket as
 soon as tool opened

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	39.00 S/L
W.L.	9.60 in3
F.C.	0.00 in

Mud Drop N

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 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	Mike Colantonio
Co. Rep.	George Payne
Contr.	Big "A"

Rig # 2

Unit #

Pump T.

Test Successful: Y

SAMPLES: Yes 1

SENT TO:Caraway Lab. Liberal

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 994787	Analyzed: 08/31/99
Sample From: Ruby Kinsler 1-41 DST 2	Pressure:
Producer: Pioneer Oil	Temperature:
Date:	Location: 4-32-40
Time:	County: Morton
Sampler: Mike Colantonio	State: Kansas
Source:	Formation: Topeka

	Mole %	GPM
Helium	He: 0.609	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 23.356	0.000
Carbon Dioxide	CO2: 0.011	0.000
Methane	C1: 62.919	0.000
Ethane	C2: 5.647	1.510
Propane	C3: 4.039	1.113
Iso Butane	iC4: 0.589	0.193
Normal Butane	nC4: 1.532	0.483
Iso Pentane	iC5: 0.344	0.126
Normal Pentane	nC5: 0.425	0.154
Hexanes Plus	C6+: 0.529	0.231

TOTAL: 100.000 3.810
Z Fact: 0.9976
SP.GR.: 0.7765
BTU (SAT): 951.8 @ 14.73 psia
BTU (DRY): 968.6 @ 14.73 psia
OCTANE RATING: 94.1

COMMENTS:

0.000

GAS RECOVERY

COMPANY: Pioneer oil Co. DATE: 8-29-99
 WELL NAME: Ruby Kinsler #1-41 KB Elev: 3280.00 ft TICKET #12178 DST #2
 WELL LOCATION: 4-32S-40W Morton co KS GR Elev: 3270.00 ft FORMATION: Wabaunsee
 INTERVAL Fr.: 3044.00 To 3075.00 T.D.: 3075.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	7	0	25000.0
10	0.25	11	0	32400.0
15	0.25	15	0	39200.0
20	0.25	18	0	45900.0
25	0.25	20	0	47100.0
30	0.25	22	0	50200.0
35	0.25	24	0	53200.0
40	0.25	25	0	54700.0
45	0.25	26	0	56300.0

*** TOOL DIAGRAM *** CONVENTIONAL

LL NAME: Ruby Kinsler #1-41

CATION : 4-32S-40W Morton co KS

CKET No. 12178 D.S.T. No. 2 DATE 8-29-99

TAL TOOL TO BOTTOM OF TOP PACKERS 17

TERVAL TOOL 31

TTOM PACKERS AND ANCHOR

TAL TOOL 48

ILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TAL ASSEMBLY

C. ABOVE TOOLS.Stands4 Single Total 374

P. ABOVE TOOLS.Stands28 Single 2 Total 2672

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 3094

TAL DEPTH 3075

TAL DRILL PIPE ABOVE K.B. 19ft

MARKS:

P.O. SUB Top tool	3021
C.O. SUB 1ft	3022
S.I. TOOL Sterling	3027
HMV Sterling	3032
JARS	
SAFETY JOINT Bowens	3034
PACKER 5ft	3039
PACKER 5ft	3044
DEPTH	
STUBB 1ft	3045
ANCHOR	
1ft	3046
Alpine Rec	3046
T.C.	
DEPTH	
5ft PU Sub	3051
20ft	3071
AK-1 rec.	3072
BULLNOSE	
T.D. 4ft Bullplug	3075

TEST HISTORY

12178 DST #2 Ruby Kinsler #1-41 Pioneer Oil Co.

Flag Points

t (Min.)	P (PSig)
A: 0.00	1467.46
B: 0.00	15.93
C: 16.25	25.74
D: 45.25	536.47
E: 0.00	25.26
F: 44.25	61.07
G: 90.75	532.23
H: 0.00	1434.66

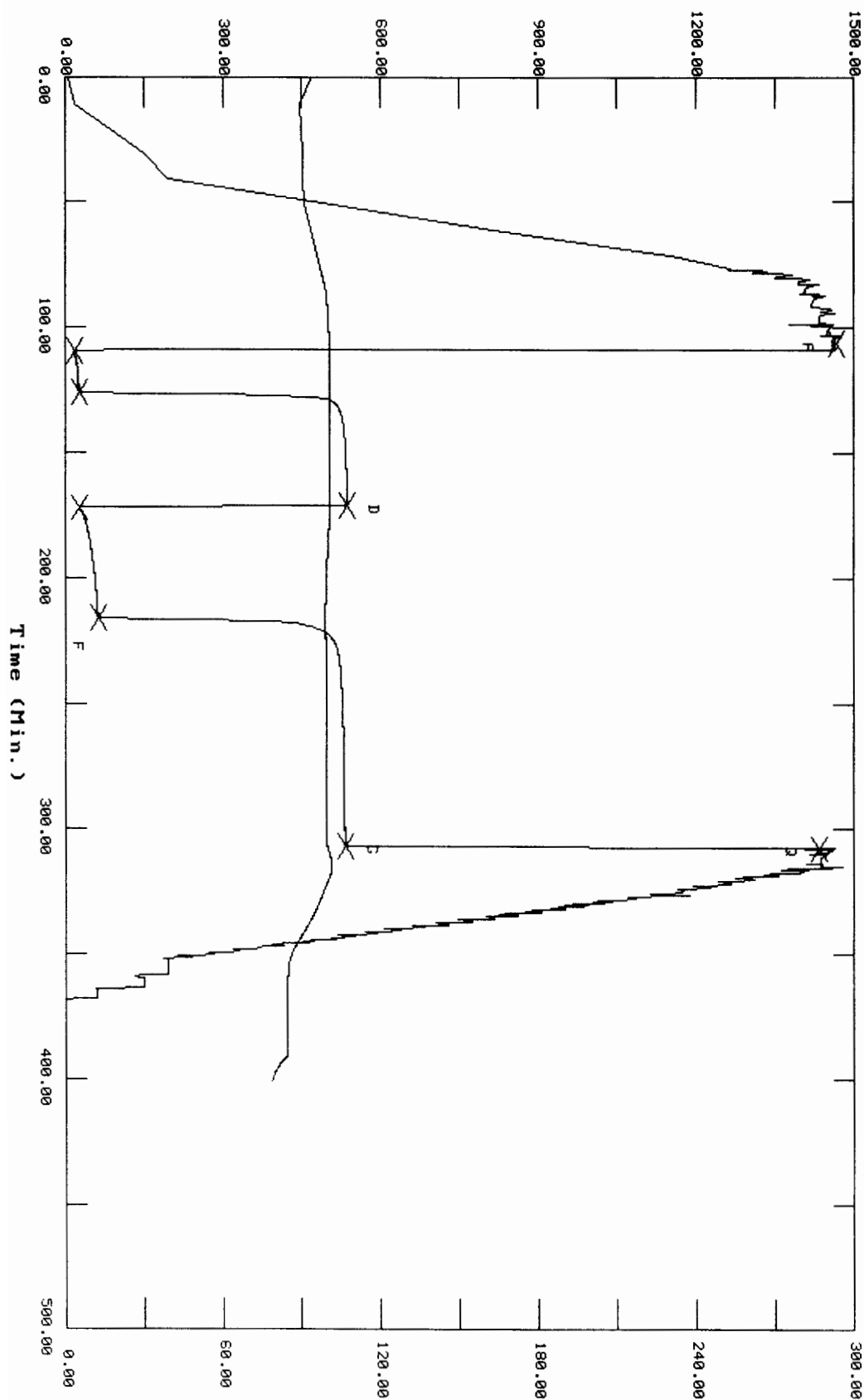
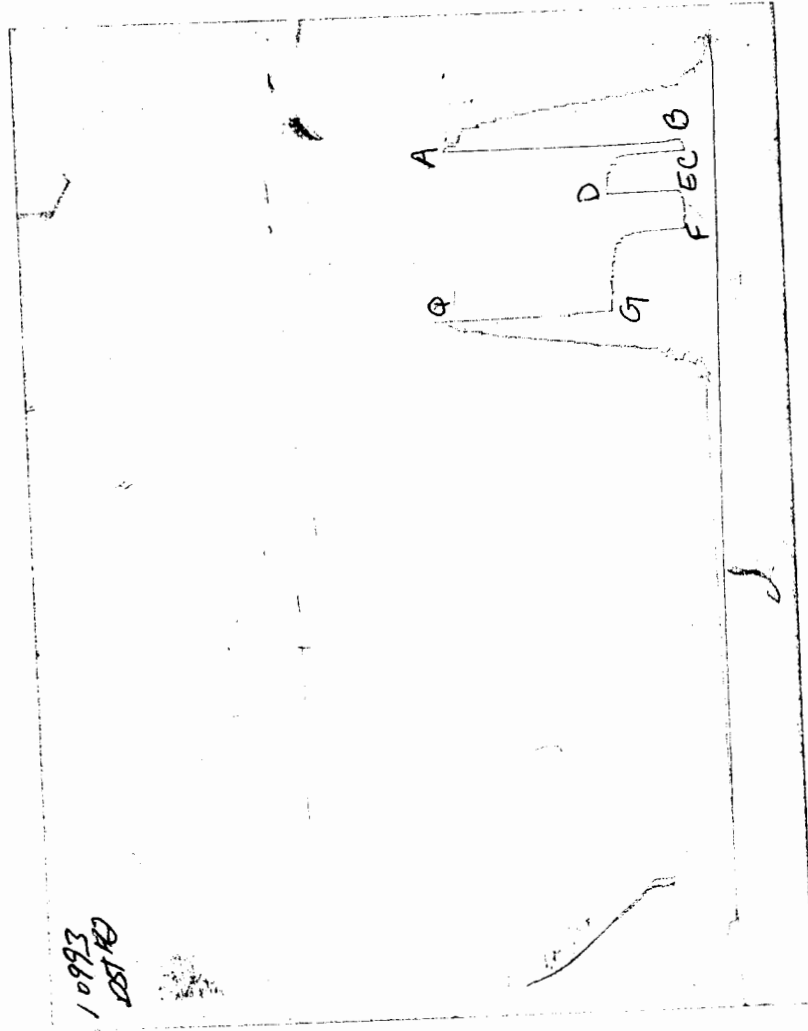


CHART PAGE



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 12178

Test Ticket

Well Name & No.	<u>Ruby Kinsler #1-41</u>	Test No.	<u>#2</u>	Date	<u>8-29-99</u>
Company	<u>Pioneer Oil Co.</u>	Zone Tested	<u>Wabausse</u>		
Address	<u>IL</u>	Elevation	<u>3280</u>	KB	<u>3270GL</u>
Co. Rep / Geo.	<u>John Christenson</u>	Cont.	<u>Bij A Rij #2</u>	Est. Ft. of Pay	<u>Por. %</u>
Location: Sec.	<u>4</u>	Twp.	<u>32S</u>	Rge.	<u>40W</u>
		Co.	<u>Morton</u>	State	<u>KS</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>3044-3075</u>	Initial Str Wt./Lbs.	<u>7300</u>	Unseated Str Wt./Lbs.	<u>7200</u>
Anchor Length	<u>31'</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>20000</u>
Top Packer Depth	<u>3039</u>	Tool Weight	<u>1800</u>		
Bottom Packer Depth	<u>3044</u>	Hole Size — 7 7/8"	<u>X</u>	Rubber Size — 6 3/4"	<u>X</u>
Total Depth	<u>3075</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>374'</u>
Mud Wt.	<u>9.3</u>	LCM	<u>4"</u>	Vis.	<u>39</u>
		WL	<u>9.6</u>	Drill Pipe Size	<u>4.5 X 0</u>
Blow Description	<u>Strong Blow B.O.B. in 3min GTS in 13min</u>				

2nd opening - Strong Blow B.O.B. 50min 4.5 open Tool

Recovery — Total Feet	<u>15</u>	GIP	<u>15</u>	Ft. in DC	<u>15</u>	Ft. in DP	
Rec.	<u>15</u>	Feet Of	<u>Oil mud</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
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT		°F Gravity		°API D@		°F Corrected Gravity	°API
RW		@		°F Chlorides		ppm Recovery	Chlorides <u>1600</u> ppm System

(A) Initial Hydrostatic Mud	<u>1542</u>	AK-1	<u>1467</u>	Alpine	PSI Recorder No.	<u>3030</u>	T-On Location	<u>7:45pm</u>
(B) First Initial Flow Pressure	<u>163</u>		<u>15</u>		PSI (depth)	<u>3046</u>	T-Started	<u>9:04pm</u>
(C) First Final Flow Pressure	<u>163</u>		<u>25</u>		PSI Recorder No.	<u>10993</u>	T-Open	<u>11:10pm</u>
(D) Initial Shut-In Pressure	<u>629</u>		<u>536</u>		PSI (depth)	<u>3072</u>	T-Pulled	<u>2:23am</u>
(E) Second Initial Flow Pressure	<u>173</u>		<u>25</u>		PSI Recorder No.		T-Out	<u>4:00am</u>
(F) Second Final Flow Pressure	<u>173</u>		<u>61</u>		PSI (depth)		T-Off Location	<u>4:45pm</u>
(G) Final Shut-in Pressure	<u>618</u>		<u>532</u>		PSI Initial Opening	<u>15min</u>	Test	<u>✓ Conductions</u>
(Q) Final Hydrostatic Mud	<u>1510</u>		<u>1434</u>		PSI Initial Shut-in	<u>45min</u>	Jars	
					Final Flow	<u>45min</u>	Safety Joint	<u>✓ 50</u>
					Final Shut-in	<u>90min</u>	Straddle	

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Approved By [Signature]

Our Representative [Signature]

Circ. Sub ✓ N/C
Sampler
Extra Packer
Elec. Rec. ✓ 150
Mileage
Other
TOTAL PRICE \$ 800

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer oil Co. DATE 8-30-99
WELL NAME: Ruby Kinsler #1-41 KB 3280.00 ft TICKET NO: 12179 DST #3
LOCATION : 4-32S-40W Morton co KS GR 3270.00 ft FORMATION: Topeka
INTERVAL : 3129.00 To 3153.00 ft TD 3153.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10993	10993	3030			PF Fr. 1600 to 1615 hr
SI 45 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1615 to 1700 hr
SF 45 Clock(hrs)	18HR.	18HR.	Elet.			SF Fr. 1700 to 1745 hr
FS 90 Depth(ft)	3150.0	3150.0	3130.0	0.0	0.0	FS Fr. 1745 to 1815 hr

	Field	1	2	3	4	
A. Init Hydro	1564.0	1538.0	1518.0	0.0	0.0	T STARTED 1415 hr
B. First Flow	195.0	220.0	73.0	0.0	0.0	T ON BOTM 1598 hr
B1. Final Flow	206.0	220.0	122.0	0.0	0.0	T OPEN 1600 hr
C. In Shut-in	347.0	372.0	320.0	0.0	0.0	T PULLED 1815 hr
D. Init Flow	195.0	228.0	100.0	0.0	0.0	T OUT hr
E. Final Flow	206.0	228.0	135.0	0.0	0.0	
F. Fl Shut-in	347.0	369.0	318.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1532.0	1528.0	1501.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 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 374.00 ft
						D.P. Length 2760.00 ft

RECOVERY

Tot Fluid 50.00 ft of 50.00 ft in DC and 0.00 ft in DP
50.00 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

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

BLOW DESCRIPTION

Initial Flow:
Strong blow bottom of bucket in
15 secs. gas to surface in 3 mins.
Final Flow:
Very strong blow bottom of bucket
as soon as tool opened

SAMPLES: Yes 1
SENT TO: Caraway Lab. Liberal

Test Successful: Y

MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/cf
Vis. 40.00 S/L
W.L. 9.60 in3
F.C. 0.00 in
Mud Drop N
Amt. of fill 0.00 ft
Btm. H. Temp. 100.00 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 Mike Colantonio
Co. Rep. George Payne
Contr. Big "A"
Rig # 2
Unit #
Pump T.

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 994788	Analyzed: 08/31/99
Sample From: Ruby Kinsler 1-41 DST 3	Pressure:
Producer: Pioneer Oil	Temperature:
Date:	Location: 4-32-40
Time:	County: Morton
Sampler: Mike Colontonio	State: Kansas
Source:	Formation: Topeka

	Mole %	GPM
Helium	He: 0.820	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 32.553	0.000
Carbon Dioxide	CO2: 0.050	0.000
Methane	C1: 51.295	0.000
Ethane	C2: 6.246	1.670
Propane	C3: 4.771	1.315
Iso Butane	iC4: 0.697	0.228
Normal Butane	nC4: 1.762	0.556
Iso Pentane	iC5: 0.448	0.164
Normal Pentane	nC5: 0.564	0.204
Hexanes Plus	C6+: 0.794	0.346

TOTAL: 100.000 4.483

Z Fact: 0.9976

SP.GR.: 0.8408

BTU (SAT): 898.4 @ 14.73 psia

BTU (DRY): 914.3 @ 14.73 psia

OCTANE RATING: 80.9

COMMENTS:

0.000

GAS RECOVERY

COMPANY: Pioneer oil Co. DATE: 8-30-99
 WELL NAME: Ruby Kinsler #1-41 KB Elev: 3280.00 ft TICKET #12179 DST #3
 WELL LOCATION: 4-32S-40W Morton co KS GR Elev: 3270.00 ft FORMATION: Topeka
 INTERVAL Fr.: 3129.00 To 3153.00 T.D.: 3153.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	13	0	303000.0
10	0.75	16	0	344000.0
15	0.75	20	0	395000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	12	0	288000.0
10	0.75	20	0	398000.0
15	0.75	22	0	424000.0
20	0.75	23	0	436000.0
25	0.75	24	0	442000.0
30	0.75	24	0	442000.0
35	0.75	24	0	442000.0
45	0.75	24	0	442000.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Ruby Kinsler #1-41

LOCATION : 4-32S-40W Morton co KS

WELL No. 12179 D.S.T. No. 3 DATE 8-30-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 17

INTERVAL TOOL 24

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 54

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands4 Single Total 374

P. ABOVE TOOLS.Stands30 Single 2 Total 2760

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3188

TOTAL DEPTH 3153

TOTAL DRILL PIPE ABOVE K.B. 35ft

MARKS:

P.O. SUB Top tool	3107
C.O. SUB 1ft	3108
S.I. TOOL Sterling	3113
HMV Sterling	3118
JARS	
SAFETY JOINT Bowens	3120
PACKER 5ft	3124
PACKER 5ft	3129
DEPTH	
STUBB 1ft	3130
ANCHOR	
Alpine Rec	3130
T.C.	
DEPTH	
5ft PU Sub	3135
14ft	3149
AK-1 rec.	3150
BULLNOSE	
T.D. 4ft Bullplug	3153

TEST HISTORY

12179 DST #3 Ruby Kinsler #1-41 Pioneer Oil Co.

Flag Points

t (Min.) P (PSig)

A: 0.00 1518.59
B: 0.00 73.40
C: 14.75 122.95
D: 44.00 320.12
E: 0.00 100.98
F: 44.00 135.15
G: 90.50 318.32
Q: 0.00 1501.11

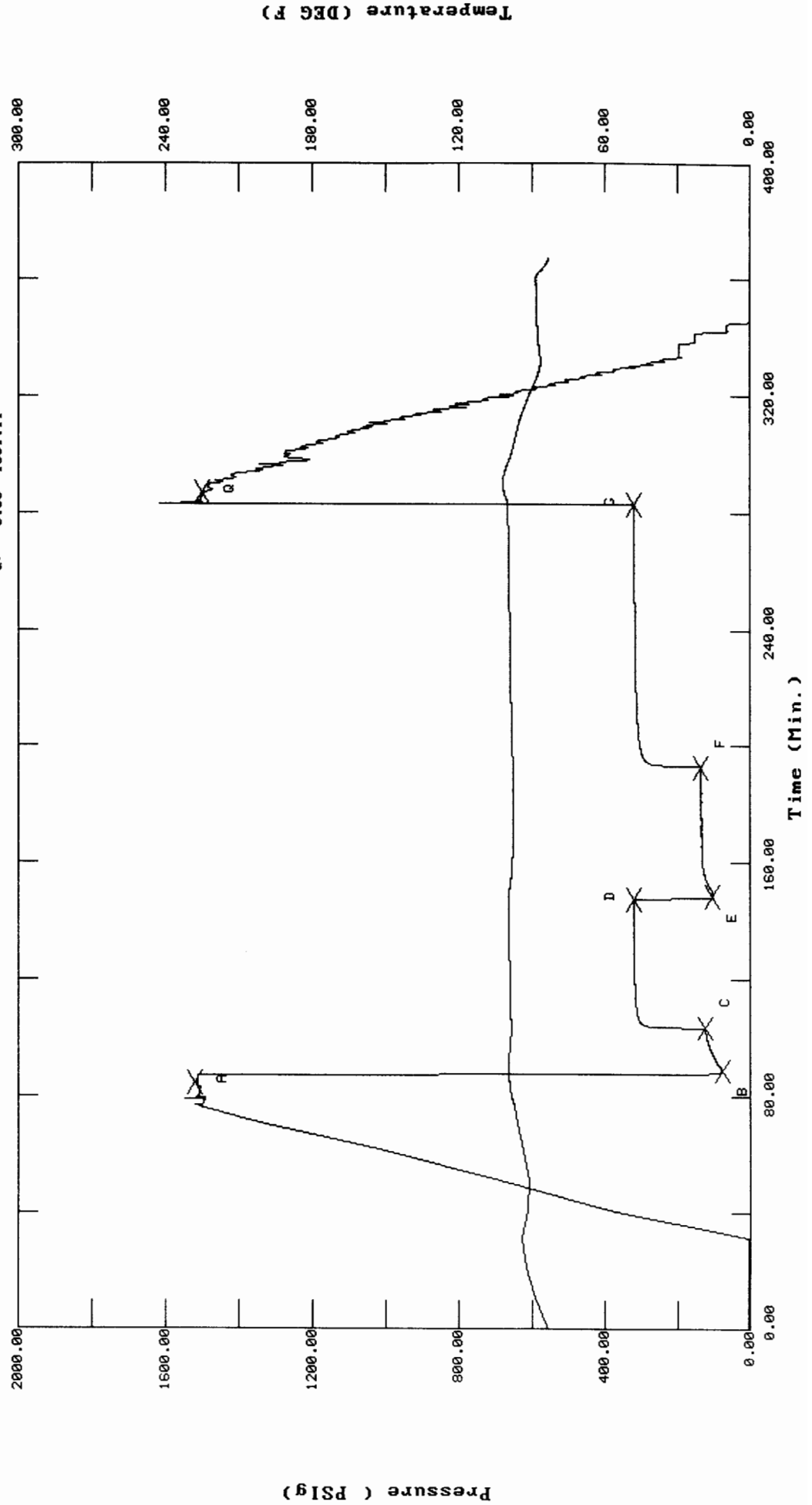
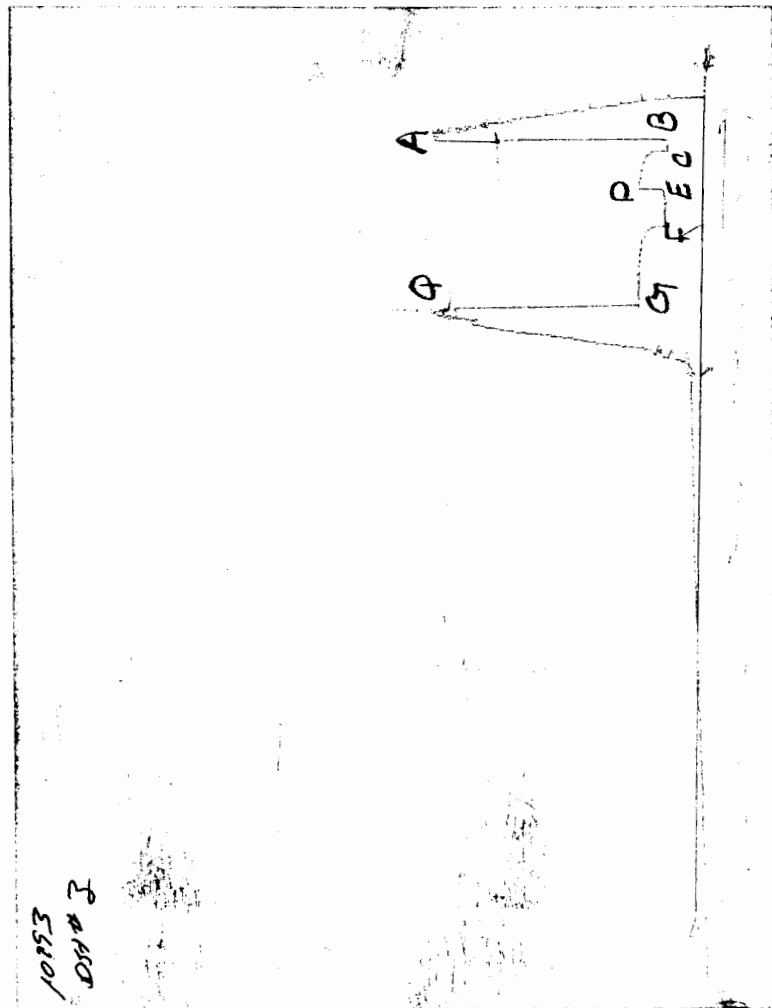


CHART PAGE



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 12179

Test Ticket

Well Name & No. <u>Ruby Kmsler #1-41</u>	Test No. <u>#3</u>	Date <u>8-30-29</u>
Company <u>Pioneer Oil Co.</u>	Zone Tested <u>Topok</u>	
Address <u>IL</u>	Elevation <u>3280</u> KB <u>3270</u> GL	
Co. Rep / Geo. <u>John Christenson</u>	Cont. <u>By 11" Ry #2</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>4</u>	Twp. <u>32S</u>	Rge. <u>40W</u> Co. <u>Morton</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested 3129-3153 Initial Str Wt./Lbs. 74,000 Unseated Str Wt./Lbs. 74,000
Anchor Length 24' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 90,000
Top Packer Depth 3129 Tool Weight 4,800
Bottom Packer Depth 3129 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
Total Depth 3153 Wt. Pipe Run Drill Collar Run 374
Mud Wt. 9.3 LCM 1# Vis. 40 WL 9.6 Drill Pipe Size 4.5 X-0 Ft. Run 2760
Blow Description Very Strong Blow B.O.B in 15 sec GTS 3 min MCF @ 398,000

Prod. opening Very Strong Blow B.O.B soon as open Tool

Recovery — Total Feet 50 GIP Ft. in DC 50 Ft. in DP
Rec. 50 Feet Of Only Mud %gas %oil %water 100 %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 100 °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 1600 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1564</u>	<u>1518</u>		<u>3030</u>	<u>1:15 pm</u>
(B) First Initial Flow Pressure	<u>195</u>	<u>73</u>	PSI (depth)	<u>3130</u>	T-Started <u>2:15 pm</u>
(C) First Final Flow Pressure	<u>206</u>	<u>122</u>	PSI Recorder No.	<u>10993</u>	T-Open <u>4:00 pm</u>
(D) Initial Shut-In Pressure	<u>347</u>	<u>320</u>	PSI (depth)	<u>3150</u>	T-Pulled <u>7:15 pm</u>
(E) Second Initial Flow Pressure	<u>195</u>	<u>100</u>	PSI Recorder No.		T-Out <u>9:00 pm</u>
(F) Second Final Flow Pressure	<u>206</u>	<u>135</u>	PSI (depth)		T-Off Location <u>10:15 pm</u>
(G) Final Shut-in Pressure	<u>347</u>	<u>318</u>	PSI Initial Opening	<u>15 min</u>	Test <u>✓ Canv 6000 psi</u>
(Q) Final Hydrostatic Mud	<u>1532</u>	<u>1501</u>	PSI Initial Shut-in	<u>45 min</u>	Jars <u> </u>
			Final Flow	<u>45 min</u>	Safety Joint <u>✓ 50</u>
			Final Shut-in	<u>90 min</u>	Straddle <u> </u>

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Approved By John Christenson

Our Representative John Christenson

Circ. Sub ✓ N/A
Sampler
Extra Packer
Elec. Rec. ✓ 150
Mileage
Other
TOTAL PRICE \$ 800

Well Name <i>Ruby Kinsler</i>		
Recorder # <i>10993</i>		DST # <i>2</i>
A	<i>1.436</i>	<i>1349</i>
B	<i>.178</i>	<i>193</i>
C	<i>.178</i>	<i>193</i>
D	<i>.577</i>	<i>626</i>
E	<i>.181</i>	<i>196</i>
F	<i>.181</i>	<i>196</i>
G	<i>.678</i>	<i>627</i>
Q	<i>1.429</i>	<i>1341</i>

Well Name <i>Ruby Kinsler</i>		
Recorder # <i>10993</i>		DST # <i>3</i>
A	<i>1.426</i>	<i>1538</i>
B	<i>.201</i>	<i>220</i>
C	<i>.201</i>	<i>220</i>
D	<i>.343</i>	<i>372</i>
E	<i>.210</i>	<i>228</i>
F	<i>.210</i>	<i>228</i>
G	<i>.340</i>	<i>369</i>
Q	<i>1.417</i>	<i>1528</i>

Well Name <i>Ruby Kinsler</i>		
Recorder # <i>10993</i>		DST # <i>1</i>
A	<i>1.321</i>	<i>1425</i>
B	<i>.138</i>	<i>150</i>
C	<i>.138</i>	<i>150</i>
D	<i>.230</i>	<i>250</i>
E	<i>.105</i>	<i>114</i>
F	<i>.126</i>	<i>136</i>
G	<i>.248</i>	<i>269</i>
Q	<i>1.321</i>	<i>1425</i>