

15-199-20244

20-15s-41w

WELL NAME: Weis #1
COMPANY: Petex, Inc.
LOCATION: Sec. 20 Twp. 15S Rge. 41W
Wallace County Kansas
DATE: 12/27/96

TRILOBITE TESTING L.L.C.

OPERATOR : Petex, Inc.

DATE 12-19-96

WELL NAME: Weis #1

KB 3815.00 ft TICKET NO: 9602 DST #1

LOCATION : 20-15s-41w Wallace KS

GR 3805.00 ft FORMATION: Upper Morrow

INTERVAL : 2948.00 To 4999.00 ft

TD 4999.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 0600 to 0630 hr
SI 45 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 0630 to 0715 hr
SF 45 Clock(hrs)	12	12	12			SF Fr. 0715 to 0800 hr
FS 60 Depth(ft)	4989.0	4989.0	4994.0	0.0	0.0	FS Fr. 0800 to 0900 hr

	Field	1	2	3	4	
A. Init Hydro	2483.0	2587.0	0.0	0.0	0.0	T STARTED 0015 hr
B. First Flow	83.0	96.0	0.0	0.0	0.0	T ON BOTM 0558 hr
B1. Final Flow	83.0	90.0	0.0	0.0	0.0	T OPEN 0600 hr
C. In Shut-in	919.0	936.0	0.0	0.0	0.0	T PULLED 0900 hr
D. Init Flow	83.0	106.0	0.0	0.0	0.0	T OUT 1200 hr
E. Final Flow	83.0	100.0	0.0	0.0	0.0	
F. Fl Shut-in	1060.0	1071.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2473.0	2494.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 140000.00 lbs
						Initial Str Wt 98000.00 lbs
						Unseated Str Wt 102000.00 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 600.00 ft
						D.P. Length 4341.00 ft
						H.W. I.D 2.70 in

RECOVERY

Tot Fluid 100.00 ft of 100.00 ft in DC and 0.00 ft in DP
 100.00 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 1.1 @ 50F
 SALINITY 7500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow - slowly built
 off bottom in 20 min.

Initial Shut-in -
 No return blow

Final Flow -
 Strong return - off bottom
 immediately

Final Shut-in -
 No return blow

SAMPLES:

SENT TO:

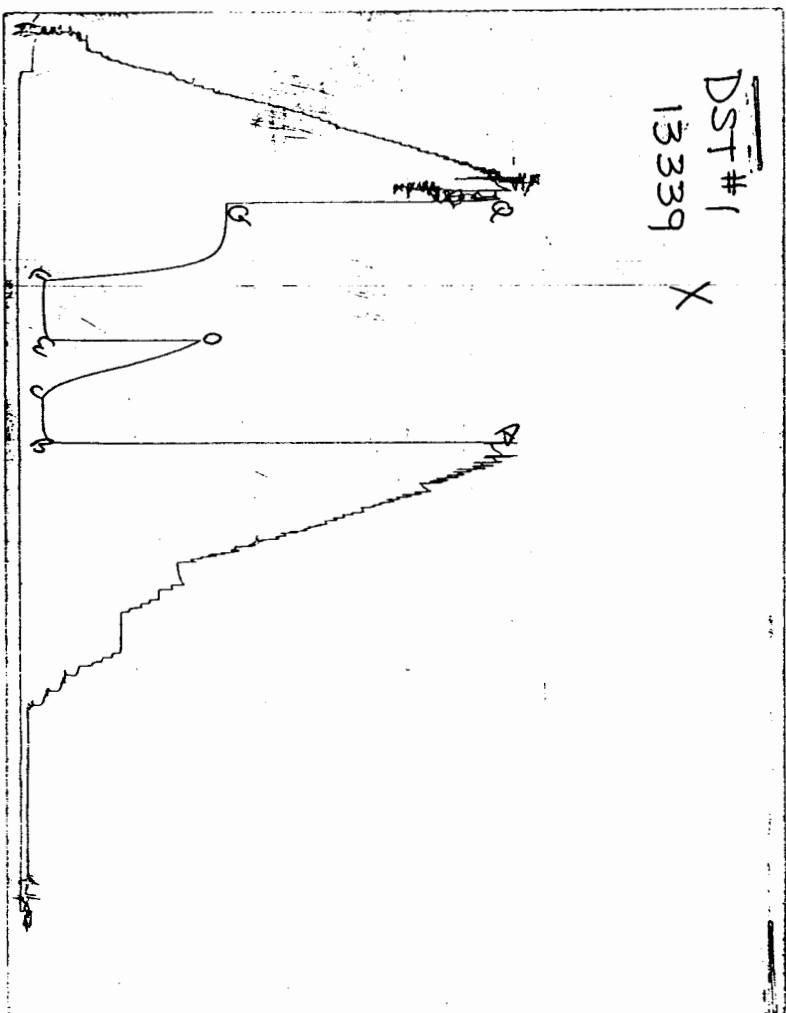
MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	58.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	135.00 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	Rod Steinbrink
Co. Rep.	Tom Funk
Contr.	Murfin
Rig #	14
Unit #	
Pump T.	

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 9602

Well Name & No.	Weis #1	Test No.	1	Date	12-19-96
Company	Petex, Inc.	Zone Tested	Upper Morrow		
Address	1610 E. Sunshine Springfield MO. 65804	Elevation	3815	KB	3805 GL
Co. Rep / Geo.	Tom Funk	Cont.	Murfin #14	Est. Ft. of Pay	Por. %
Location: Sec.	20	Twp.	15 ^S	Rge.	41 ^W
		Co.	Wallace	State	KS
No. of Copies	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N	Evaluation (Y, N)

Interval Tested 4948 - 4999 Initial Str Wt./Lbs. 98,000 Unseated Str Wt./Lbs. 102,000
Anchor Length 51' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 140,000
Top Packer Depth 4943 Tool Weight 1,800
Bottom Packer Depth 4948 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4999 Wt. Pipe Run _____ Drill Collar Run H-90 600'
Mud Wt. 9.3 LCM Tre Vis. 58 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 4341'
Blow Description IF: Weak surface blow slowly built off btm in 20 mins
ISI: No return blow.
FF: Strong return off btm immediately
ESI: No return blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. <u>100'</u> Feet Of <u>Drlg. Mud</u>	%gas	%oil	%water	<u>100</u> %mud
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud

BHT 135° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW 1.1 @ 50° °F Chlorides 7,500 ppm Recovery Chlorides 6,500 ppm System
(A) Initial Hydrostatic Mud 2483 PSI Recorder No. 13339 T-Started 0015 (CDT)
(B) First Initial Flow Pressure 83 PSI (depth) 4989 T-Open 0600
(C) First Final Flow Pressure 83 PSI Recorder No. 13276 T-Pulled 0900
(D) Initial Shut-in Pressure 919 PSI (depth) 4994 T-Out 1200
(E) Second Initial Flow Pressure 83 PSI Recorder No. _____
(F) Second Final Flow Pressure 83 PSI (depth) _____
(G) Final Shut-in Pressure 1060 PSI Initial Opening 30 Test 700
(H) Final Hydrostatic Mud 2473 PSI Initial Shut-in 45 Jars X 200

Final Flow 45 Safety Joint X 50
Final Shut-in 60 Straddle _____
Circ. Sub X N/C
Sampler X 200
Extra Packer _____
Elect. Rec. _____
Other _____
TOTAL PRICE \$ 1150

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

Our Representative

Tom Funk
Rod Steinbrink

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9602 Date 12 - 96
Company Name Petex, Inc. Cont. Murfin #14
Lease Weis #1 Test No. #1 Upper Morrow
County Wallace KS. Sec. 20 Twp. 15^S Rng. 41^W

SAMPLER RECOVERY

Gas — ML
Oil — ML
Mud 4,000 ML
Water — ML
Other — ML
Pressure 20[#] PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 6,500 ppm.
Resistivity — ohms @ — F
Viscosity 58
Mud Weight 9.3
Filtrate 10.4
Other L.C.M. Tre.

SAMPLER ANALYSIS

Resistivity 1.1 ohms @ 50° F
Chlorides 7,500 ppm.
Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity — ohms @ — F
Chlorides — ppm.

MIDDLE
Resistivity — ohms @ — F
Chlorides — ppm.

BOTTOM
Resistivity 1.1 ohms @ 50° F
Chlorides 7,500 ppm.

TRILOBITE TESTING L.L.C.

OPERATOR : Petex Inc

DATE 12-20-96

WELL NAME: Weis #1

KB 3815.00 ft

TICKET NO: 9603

DST #2

LOCATION : 20-15S-41W Wallace Cty KS

GR 3805.00 ft

FORMATION: Upper Morrow

INTERVAL : 4950.00 To 5012.00 ft

TD 5013.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 0006 to 0036 hr
SI 45 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 0036 to 0121 hr
SF 45 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0121 to 0206 hr
FS 60 Depth(ft)	5003.0	5003.0	5008.0	0.0	0.0	FS Fr. 0206 to 0306 hr

	Field	1	2	3	4	
A. Init Hydro	2583.0	2612.0	0.0	0.0	0.0	T STARTED 2000 hr
B. First Flow	415.0	426.0	0.0	0.0	0.0	T ON BOTM 0001 hr
B1. Final Flow	536.0	434.0	0.0	0.0	0.0	T OPEN 0006 hr
C. In Shut-in	1040.0	1048.0	0.0	0.0	0.0	T PULLED 0306 hr
D. Init Flow	447.0	452.0	0.0	0.0	0.0	T OUT 0730 hr
E. Final Flow	499.0	494.0	0.0	0.0	0.0	
F. Fl Shut-in	1040.0	1041.0	0.0	0.0	0.0	
G. Final Hydro	2463.0	2452.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	1050000.00 lbs
Initial Str Wt	98000.00 lbs
Unseated Str Wt	1100000.00 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	600.00 ft
D.P. Length	4341.00 ft

RECOVERY

Tot Fluid 690.00 ft of 600.00 ft in DC and 90.00 ft in DP

60.00 ft of Gassy oil cut mud 25%gas 15%oil 60%mud

90.00 ft of Gassy oil cut mud 50%gas 20%oil 30%mud

540.00 ft of Slightly gassy oil cut mud

0.00 ft of 5%gas 5%oil 90%mud

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 off bottom in 1 minute

Gas to surface @ 5 minutes

Initial Shutin

No return blow

Final Flow

Strong return gauged psi on 1.25"

orifice - 1.388 mcf/day

Final Shutin

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1350.00 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	Rod Steinbrink
Co. Rep.	Tom Funk
Contr.	Murfin
Rig #	14
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY -----

COMPANY: Petex Inc DATE: 12-20-96
WELL NAME: Weis #1 KB Elev: 3815.00 ft TICKET #9603 DST #2
WELL LOCATION: 20-15S-41W Wallace Cty KS GR Elev: 3805.00 ft FORMATION: Upper Morrow
INTERVAL Fr.: 4950.00 To 5012.00 T.D.: 5013.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Merla Gauge

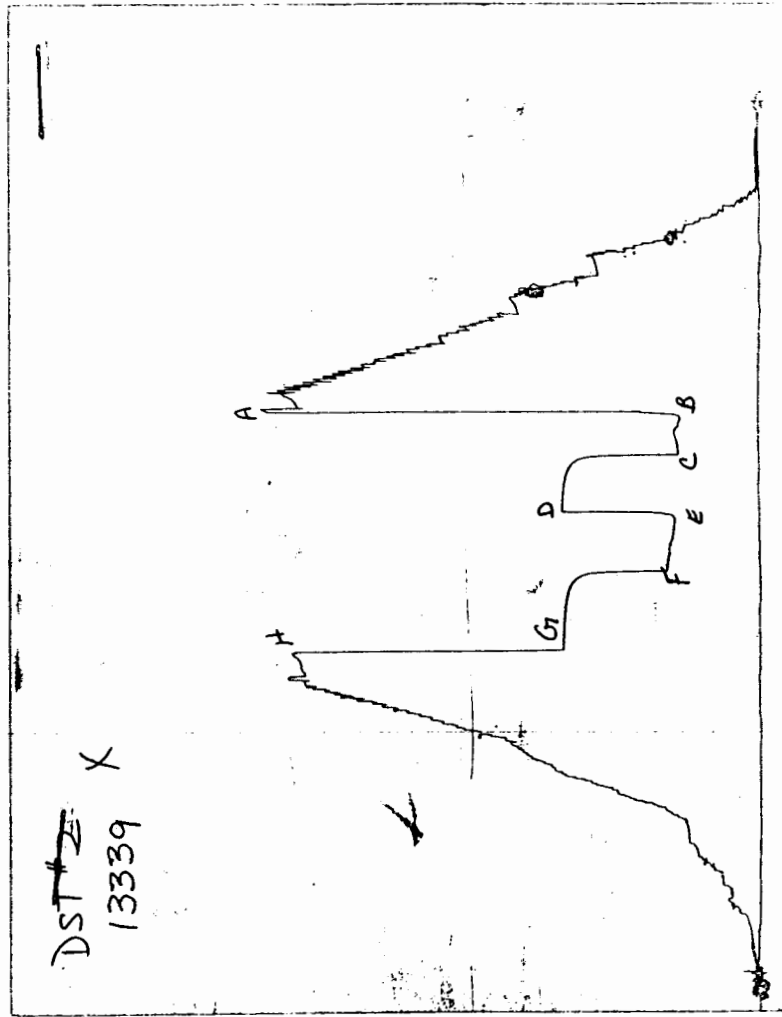
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.25	32	0	1690000.0
20	1.25	28	0	1539000.0
30	1.25	28	0	1539000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.25	24	0	1388000.0
20	1.25	24	0	1388000.0
30	1.25	24	0	1388000.0
40	1.25	24	0	1388000.0
45	1.25	24	0	1388000.0

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 9603

Well Name & No.	<u>Petex, Inc.</u>	Test No.	<u>2</u>	Date	<u>12-20-96</u>
Company	<u>Weis #1</u>	Zone Tested	<u>Upper Morrow</u>		
Address	<u>1610 E. Sunshine Springfield MO. 65804</u>		Elevation	<u>3815</u>	KB <u>3805</u> GL
Co. Rep / Geo.	<u>Tom Funk</u>	Cont.	<u>Murfin #14</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>20</u>	Twp.	<u>15 S</u>	Rge.	<u>41 W</u>
			Co.	<u>Wallace</u>	State <u>KS</u>
No. of Copies	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u>	Evaluation (Y, N)

Interval Tested	<u>4950 - 5013</u>	Initial Str Wt./Lbs.	<u>98,000</u>	Unseated Str Wt./Lbs.	<u>110,000</u>
Anchor Length	<u>63'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>105,000</u>
Top Packer Depth	<u>4945</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>4950</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5013</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>H-90 600'</u>
Mud Wt.	<u>9.4</u> LCM Trc. Vis. <u>47</u> WL <u>9.6</u>	Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>4341'</u>
Blow Description	<u>IF: Strong blow off btm in 1 min. GTS @ 5 mins</u>				
	<u>IST: No return blow.</u>				
	<u>FF: Strong return gauged psi on 1 1/4" orifice = 1.388 mcf/day</u>				
	<u>FSI:</u>				

Recovery — Total Feet	<u>690'</u>	GIP		Ft. in DC	<u>600'</u>	Ft. in DP	<u>90'</u>
Rec.	<u>60'</u>	Feet Of	<u>GOCM</u>	<u>25</u> %gas	<u>15</u> %oil	<u>—</u> %water	<u>60</u> %mud
Rec.	<u>90'</u>	Feet Of	<u>GOCM</u>	<u>50</u> %gas	<u>20</u> %oil	<u>—</u> %water	<u>30</u> %mud
Rec.	<u>540'</u>	Feet Of	<u>SGOCM</u>	<u>5</u> %gas	<u>5</u> %oil	<u>—</u> %water	<u>90</u> %mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT 135° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,500 ppm System

(A) Initial Hydrostatic Mud	<u>2583</u>	PSI	Recorder No.	<u>13339</u>	T-Started	<u>2000</u>
(B) First Initial Flow Pressure	<u>415</u>	PSI	(depth)	<u>5003</u>	T-Open	<u>0006</u>
(C) First Final Flow Pressure	<u>436</u>	PSI	Recorder No.	<u>13276</u>	T-Pulled	<u>0306</u>
(D) Initial Shut-in Pressure	<u>1040</u>	PSI	(depth)	<u>5008</u>	T-Out	<u>0730</u>
(E) Second Initial Flow Pressure	<u>447</u>	PSI	Recorder No.	<u>—</u>		
(F) Second Final Flow Pressure	<u>499</u>	PSI	(depth)	<u>—</u>		
(G) Final Shut-in Pressure	<u>1040</u>	PSI	Initial Opening	<u>30</u>	Test	<u>800</u>
(H) Final Hydrostatic Mud	<u>2463</u>	PSI	Initial Shut-in	<u>45</u>	Jars	<u>X 200</u>

Final Flow 45 Safety Joint X 50

Final Shut-in 60 Straddle _____

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 Rod Steinbrink

Circ. Sub X n/c

Sampler X 200

Extra Packer _____

Elect. Rec. _____

Other - 150

TOTAL PRICE \$ 1100

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9603 Date 12-20-96
Company Name Petex, Inc. Cont. Murfin #14
Lease Weis #1 Test No. #2 Upper Morrow
County Wallace KS. Sec. 20 Twp. 15^S Rng. 41^W

SAMPLER RECOVERY

Gas 4,000 ML
Oil — ML
Mud — ML
Water — ML
Other — ML
Pressure 850[#] PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 6,500 ppm.
Resistivity — ohms @ — F
Viscosity 47
Mud Weight 9.4
Filtrate 9.6
Other L.C.M. Trc.

SAMPLER ANALYSIS

Resistivity — ohms @ — F
Chlorides — ppm.
Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 1.4 ohms @ 45° F
Chlorides 7,000 ppm.
MIDDLE
Resistivity — ohms @ — F
Chlorides — ppm.
BOTTOM
Resistivity 1.3 ohms @ 50° F
Chlorides 7,000 ppm.



GAS VOLUME REPORT

Weis #1

2
DST NO

Remarks:

Gas does burn.

TRILOBITE TESTING L.L.C.

OPERATOR : Petex, Inc

DATE 12/20/96

WELL NAME: Weis #1

KB 3815.00 ft

TICKET NO: 9604

DST #3

LOCATION : 20-15S-41W Wallace KS

GR 3805.00 ft

FORMATION: Morrow

INTERVAL : 5017.00 To 5039.00 ft

TD 5039.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 1725 to 1755 hr
SI 45 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1755 to 1840 hr
SF 30 Clock(hrs)	12hr	12hr	12hr			SF Fr. 1840 to 1910 hr
FS 45 Depth(ft)	5029.0	5029.0	5034.0	0.0	0.0	FS Fr. 1910 to 1955 hr

	Field	1	2	3	4	
A. Init Hydro	2503.0	2509.0	0.0	0.0	0.0	T STARTED 1515 hr
B. First Flow	270.0	296.0	0.0	0.0	0.0	T ON BOTM 1720 hr
B1. Final Flow	539.0	568.0	0.0	0.0	0.0	T OPEN 1725 hr
C. In Shut-in	1030.0	1055.0	0.0	0.0	0.0	T PULLED 1955 hr
D. Init Flow	679.0	698.0	0.0	0.0	0.0	T OUT 2300 hr
E. Final Flow	759.0	798.0	0.0	0.0	0.0	
F. Fl Shut-in	1030.0	1051.0	0.0	0.0	0.0	
G. Final Hydro	2473.0	2477.0	0.0	0.0	0.0	
Inside/Outside	i	i	o			

RECOVERY

Tot Fluid 1827.00 ft of 632.00 ft in DC and 1195.00 ft in DP
 240.00 ft of Gas Oil Water Cut Mud 20% gas 30% oil
 0.00 ft of 10% water 40% mud
 0.00 ft of
 180.00 ft of Gas Oil Mud Cut Water 40% gas 10% oil
 0.00 ft of 35% water 15% mud
 0.00 ft of
 1470.00 ft of Water
 0.00 ft of RW .13 at 70 F
 SALINITY 60000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----
 Tool Wt. 1800.00 lbs
 Wt Set On Packer 30000.00 lbs
 Wt Pulled Loose 120000.00 lbs
 Initial Str Wt 98000.00 lbs
 Unseated Str Wt 110000.00 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 632.00 ft
 D.P. Length 4371.00 ft
 H.W. I.D 2.70 in

BLOW DESCRIPTION

Initial Flow:
 Strong blow off bottom immediately

Initial ShutIn:
 Fair return off Bottom 5 mins
 Gas to Surface in 30 mins (gas burns)

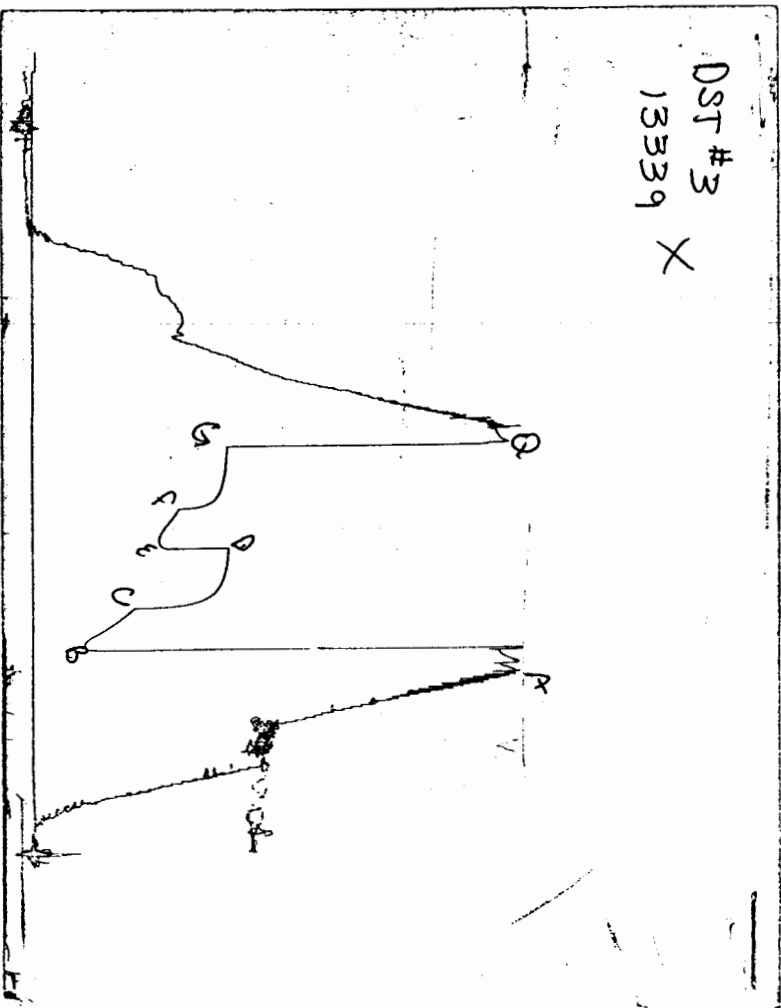
Final Flow:
 Fair to strong return off bottom in
 1 min

SAMPLES:
 SENT TO:

Test Successful: Y

MUD DATA-----
 Mud Type Chemical
 Weight 9.40 lb/ci
 Vis. 47.00 S/L
 W.L. 9.60 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 142.00 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 Rod Steinbrink
 Co. Rep. Tom Funk
 Contr. Murfin
 Rig # 14
 Unit #
 Pump T.

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 9604

Well Name & No.	<u>Weis #1</u>	Test No.	<u>3</u>	Date	<u>12-20-96</u>
Company	<u>Petex, Inc.</u>	Zone Tested	<u>Morrow</u>		
Address	<u>1610 E. Sunshine Springfield Mo. 65804</u>		Elevation	<u>3815</u>	KB <u>3805</u> GL
Co. Rep / Geo.	<u>Tom Funk</u>	Cont.	<u>Murfin #14</u>	Est. Ft. of Pay	<u>Por.</u> %
Location: Sec.	<u>20</u>	Twp.	<u>15^S</u>	Rge.	<u>41^W</u> Co. <u>Wallace</u> State <u>KS</u>
No. of Copies	Distribution Sheet (Y, N) <u>N</u>		Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u>N</u>	

Interval Tested	<u>5017 - 5039</u>	Initial Str Wt./Lbs.	<u>98,000</u>	Unseated Str Wt./Lbs.	<u>110,000</u>
Anchor Length	<u>22'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>120,000</u>
Top Packer Depth	<u>5012</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>5017</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5039</u>	Wt. Pipe Run		Drill Collar Run	<u>H-90 632'</u>
Mud Wt. <u>9.4</u> LCM <u>Vis.</u> <u>47</u> WL <u>9.6</u>		Drill Pipe Size	<u>4 1/2" KH</u>	Ft. Run	<u>4371'</u>
Blow Description	<u>IF: Strong blow off btm immediately</u>				
	<u>ISI: Fair return off btm 5 mins GTS @ 30 mins into (gas burns)</u>				
	<u>FF: Fair to strong return off btm in 1 min.</u>				

Recovery — Total Feet	<u>1827'</u>	GIP		Ft. in DC	<u>632'</u>	Ft. in DP	<u>1195'</u>
Rec.	<u>240'</u>	Feet Of	<u>GOWCM</u>	20 %gas	30 %oil	10 %water	40 %mud
Rec.	<u>180'</u>	Feet Of	<u>GOMCW</u>	40 %gas	10 %oil	35 %water	15 %mud
Rec.	<u>1407'</u>	Feet Of	<u>Water</u>	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT 142° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW -13 @ 70° °F Chlorides 60,000 ppm Recovery Chlorides 7,500 ppm System

(A) Initial Hydrostatic Mud	<u>2503</u>	PSI	Recorder No.	<u>13339</u>	T-Started	<u>1515</u>
(B) First Initial Flow Pressure	<u>270</u>	PSI	(depth)	<u>5029</u>	T-Open	<u>1725</u>
(C) First Final Flow Pressure	<u>539</u>	PSI	Recorder No.	<u>13276</u>	T-Pulled	<u>1955</u>
(D) Initial Shut-in Pressure	<u>1030</u>	PSI	(depth)	<u>5034</u>	T-Out	<u>2300</u>
(E) Second Initial Flow Pressure	<u>679</u>	PSI	Recorder No.			
(F) Second Final Flow Pressure	<u>759</u>	PSI	(depth)			
(G) Final Shut-in Pressure	<u>1030</u>	PSI	Initial Opening	<u>30</u>	Test	<u>800</u>
(H) Final Hydrostatic Mud	<u>2473</u>	PSI	Initial Shut-in	<u>45</u>	Jars	<u>X 200</u>
			Final Flow	<u>30</u>	Safety Joint	<u>X 50</u>
			Final Shut-in	<u>45</u>	Straddle	

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Approved By [Signature]
Our Representative Rod Steinbrink

Circ. Sub	<u>X</u>	<u>N/C</u>
Sampler	<u>X</u>	<u>200</u>
Extra Packer		
Elect. Rec.		
Other	<u>-150</u>	
TOTAL PRICE \$	<u>1100</u>	

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9604 Date 12-20-96
Company Name Petex, Inc. Cont. Murfin #14
Lease Weis #1 Test No. 3 Morrow
County Wallace Sec. 20 Twp. 15^s Rng. 41^w

SAMPLER RECOVERY

Gas — ML
Oil — ML
Mud — ML
Water 4,000 ML
Other — ML
Pressure 1050[#] PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 7,500 ppm.
Resistivity — ohms @ — F
Viscosity 47
Mud Weight 9.4
Filtrate 9.6
Other —

SAMPLER ANALYSIS

Resistivity .13 ohms @ 70° F
Chlorides 60,000 ppm.
Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity — ohms @ — F
Chlorides — ppm.

MIDDLE
Resistivity .15 ohms @ 60° F
Chlorides 60,000 ppm.

BOTTOM
Resistivity .15 ohms @ 60 F
Chlorides 60,000 ppm.

TRILOBITE TESTING L.L.C.

OPERATOR : Petex, Inc

DATE 12/21/96

WELL NAME: Weis 1

KB 3815.00 ft

TICKET NO: 9605

DST #4

LOCATION : 20-15S-41W Wallace KS

GR 3805.00 ft

FORMATION: Lower Morrow

INTERVAL : 5054.00 To 5095.00 ft

TD 5095.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 1252 to 1322 hr
SI 45 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1322 to 1407 hr
SF 45 Clock(hrs)	12hr	12hr	12hr			SF Fr. 1407 to 1452 hr
FS 60 Depth(ft)	5085.0	5085.0	5090.0	0.0	0.0	FS Fr. 1452 to 1552 hr

	Field	1	2	3	4	
A. Init Hydro	2503.0	2492.0	0.0	0.0	0.0	T STARTED 1030 hr
B. First Flow	145.0	164.0	0.0	0.0	0.0	T ON BOTM 1245 hr
B1. Final Flow	395.0	401.0	0.0	0.0	0.0	T OPEN 1252 hr
C. In Shut-in	110.0	1093.0	0.0	0.0	0.0	T PULLED 1552 hr
D. Init Flow	478.0	497.0	0.0	0.0	0.0	T OUT 1845 hr
E. Final Flow	579.0	585.0	0.0	0.0	0.0	
F. Fl Shut-in	1100.0	1097.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2483.0	2468.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 160000.00 lbs
						Initial Str Wt 100000.00 lbs
						Unseated Str Wt 110000.00 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 632.00 ft
						D.P. Length 0.00 ft
						H.W. I.D 2.70 in

RECOVERY

Tot Fluid 1150.00 ft of 632.00 ft in DC and 518.00 ft in DP
 150.00 ft of Drilling Mud
 1000.00 ft of Water
 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 .10 in 80 F
 SALINITY 70000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Fair to strong blow off bottom in 6 minutes

Initial ShutIn:
 Surface return built to 1/4"

Final Flow:
 Fair to strong blow off bottom in 13 minutes

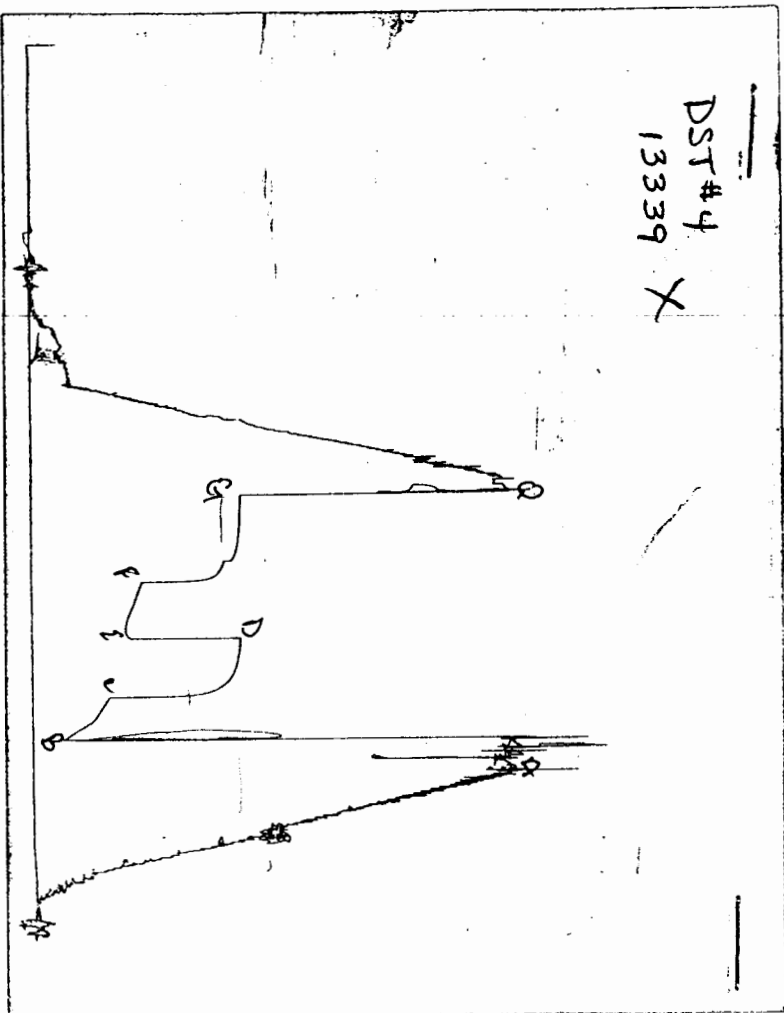
Final ShutIn:
 Surface return built to 1/4"

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.30 lb/c:
 Vis. 64.00 S/L
 W.L. 12.00 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 0.00 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 Rod Steinbrink
 Co. Rep. Tom Funk
 Contr. Murfin
 Rig # 14
 Unit #
 Pump T.

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 9605

Well Name & No.	Wells #1	Test No.	4	Date	12-21-96
Company	Petex, Inc.	Zone Tested	Low. Morrow		
Address	1610 E. Sunshine Springfield MO. 65804	Elevation	3815	KB	3805 GL
Co. Rep / Geo.	Tom Funk	Cont.	Murfin #14	Est. Ft. of Pay	Por. %
Location: Sec.	20	Twp.	15 ^S	Rge.	41 ^W
		Co.	Wallace	State	KS.
No. of Copies	Nml.	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N
		Evaluation (Y, N)			

Interval Tested	5054 - 5095	Initial Str Wt./Lbs.	100,000	Unseated Str Wt./Lbs.	110,000
Anchor Length	41'	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	160,000
Top Packer Depth	5049	Tool Weight	1,800		
Bottom Packer Depth	5054	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	5095	Wt. Pipe Run	—	Drill Collar Run	H-90 632'
Mud Wt.	9.3 LCM Tre. Vis. 64 WL 12.0	Drill Pipe Size	4 1/2" KH	Ft. Run	
Blow Description	IF: Fair to strong blow off btm in 6 mins				
	ISI: Surface return built to 1/4"				
	FF: Fair to strong blow off btm in 13 mins				
	FSI: Surface return built to 1/4"				

Recovery — Total Feet	1150'	GIP	—	Ft. in DC	632'	Ft. in DP	518'
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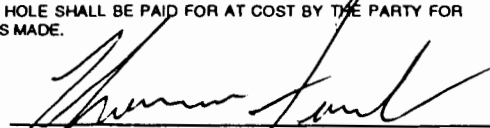
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	150'	Feet Of	Drilg. Mud	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	1000'	Feet Of	Water	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT		°F Gravity		°API D@		°F Corrected Gravity		°API
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RW	-10	@	80°	°F Chlorides	70,000	ppm Recovery	Chlorides	10,000	ppm System
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(A) Initial Hydrostatic Mud	2503	PSI	Recorder No.	13339	T-Started	1030
(B) First Initial Flow Pressure	145	PSI	(depth)	5085	T-Open	1252
(C) First Final Flow Pressure	395	PSI	Recorder No.	13276	T-Pulled	1552
(D) Initial Shut-in Pressure	1100	PSI	(depth)	5090	T-Out	1845
(E) Second Initial Flow Pressure	478	PSI	Recorder No.	—		
(F) Second Final Flow Pressure	579	PSI	(depth)	—		
(G) Final Shut-in Pressure	1100	PSI	Initial Opening	30	Test	800
(H) Final Hydrostatic Mud	2483	PSI	Initial Shut-in	45	Jars	X 200
			Final Flow	45	Safety Joint	X 50
			Final Shut-in	60	Straddle	

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Approved By 

Our Representative Rod Steinbrink

Extra Packer

Elect. Rec.

Other - 150

TOTAL PRICE \$ 1100

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9605 Date 12-21-96
Company Name Petex, Inc. Cont. Murfin #14
Lease Weis #1 Test No. #4 Lwr. Morrow
County Wallace KS. Sec. 20 Twp. 15^s Rng. 41^w

SAMPLER RECOVERY

Gas — ML
Oil — ML
Mud — ML
Water 4,000 ML
Other — ML
Pressure — PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 10,000 ppm.
Resistivity — ohms @ — F
Viscosity 63
Mud Weight 9.3
Filtrate 12.0
Other LCM Trc.

SAMPLER ANALYSIS

Resistivity .10 ohms @ 80° F
Chlorides 70,000 ppm.
Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity .13 ohms @ 70° F
Chlorides 60,000 ppm.

MIDDLE
Resistivity — ohms @ — F
Chlorides — ppm.

BOTTOM
Resistivity .10 ohms @ 80° F
Chlorides 70,000 ppm.