

15-109-20678

30-15s-32w

Computer Inventoried

KCC

MAY 28 1999

CONFIDENTIAL

Well Name: Fairleigh Ranch #1
Company: John O' Farmer Inc.
Location: 30-15s-32w
Logan County Kansas
Date: 5-19-99

ORIGINAL

MAY 08 2000

CONFIDENTIAL FROM CONFIDENTIAL

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : John O. Farmer

DATE 5-16-99

WELL NAME: Fairleigh Ranch #1

KB 2846.00 ft

TICKET NO: 11916 DST #1

LOCATION : 30-15S-32W Logan KS

GR 2854.00 ft

FORMATION: Marmaton

INTERVAL : 4182.00 To 4285.00 ft

TD 4285.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	13309	13309	3024		PF Fr. 0130 to 0200 hr
SI	45	Range(Psi)	4700.0	4700.0	4995.0	0.0	IS Fr. 0200 to 0245 hr
SF	30	Clock(hrs)	12 HR	12	ALP		SF Fr. 0245 to 0315 hr
FS	45	Depth(ft)	4280.0	4280.0	4260.0	0.0	FS Fr. 0315 to 0400 hr

	Field	1	2	3	4	
A. Init Hydro	2124.0	2142.0	2114.0	0.0	0.0	T STARTED 2310 hr
B. First Flow	58.0	74.0	53.0	0.0	0.0	T ON BOTM 0127 hr
B1. Final Flow	82.0	79.0	84.0	0.0	0.0	T OPEN 0130 hr
C. In Shut-in	1196.0	1165.0	1178.0	0.0	0.0	T PULLED 0400 hr
D. Init Flow	117.0	102.0	87.0	0.0	0.0	T OUT 0630 hr
E. Final Flow	117.0	112.0	111.0	0.0	0.0	
F. Fl Shut-in	1137.0	1122.0	1135.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2077.0	2110.0	2098.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 30.00 ft
						D.P. Length 4157.00 ft

RECOVERY

Tot Fluid 140.00 ft of 30.00 ft in DC and 110.00 ft in DP
140.00 ft of Drilling mud with oil stains
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:

Weak surface blow slowly built to
1/2"

Final Flow:

No return blow

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	50.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 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	Rod Steinbrink
Co. Rep.	Marty Dubois
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

KCC
MAY 28 1999
CONFIDENTIAL
RELEASED
MAY 08 2000
FROM CONFIDENTIAL

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Fairleigh Ranch #1

LOCATION : 30-15S-32W Logan KS

WELL NO. 11916 D.S.T. No. 1 DATE 5-16-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL 41

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands 1 Single Total 62

TOTAL ASSEMBLY 123

C. ABOVE TOOLS.Stands Single 1 Total 30

P. ABOVE TOOLS.Stands 67 Single 1 Total 4157

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4310

TOTAL DEPTH 4285

TOTAL DRILL PIPE ABOVE K.B. 25

MARKS:

P.O. SUB 1' Above 120'	4043
C.O. SUB 1'	4163
S.I. TOOL 5'	4169
HMV 5'	4173
JARS n/a	
SAFETY JOINT n/a	
PACKER 4'	4177
PACKER 5'	4182
DEPTH	
STUBB 1'	4178
ANCHOR	
3' Perf	4181
1' c/o sub	4182
62' DP	4244
1' c/o sub	4245
ALP Rec. @	4260
35' Perf.	4280
T.C.	
DEPTH	
AK-1 Rec. @	4280
BULLNOSE 5'	
T.D.	4285

TEST HISTORY

11916 DST #1 Fairleigh Ranch #1 J.O.Farmer

Flag Points

t(Min.) P(PSig)

A: 0.00 2114.72
 B: 0.00 53.26
 C: 32.00 84.62
 D: 44.00 1178.93
 E: 0.00 87.08
 F: 31.00 111.94
 G: 47.00 1135.15
 Q: 0.00 2098.16

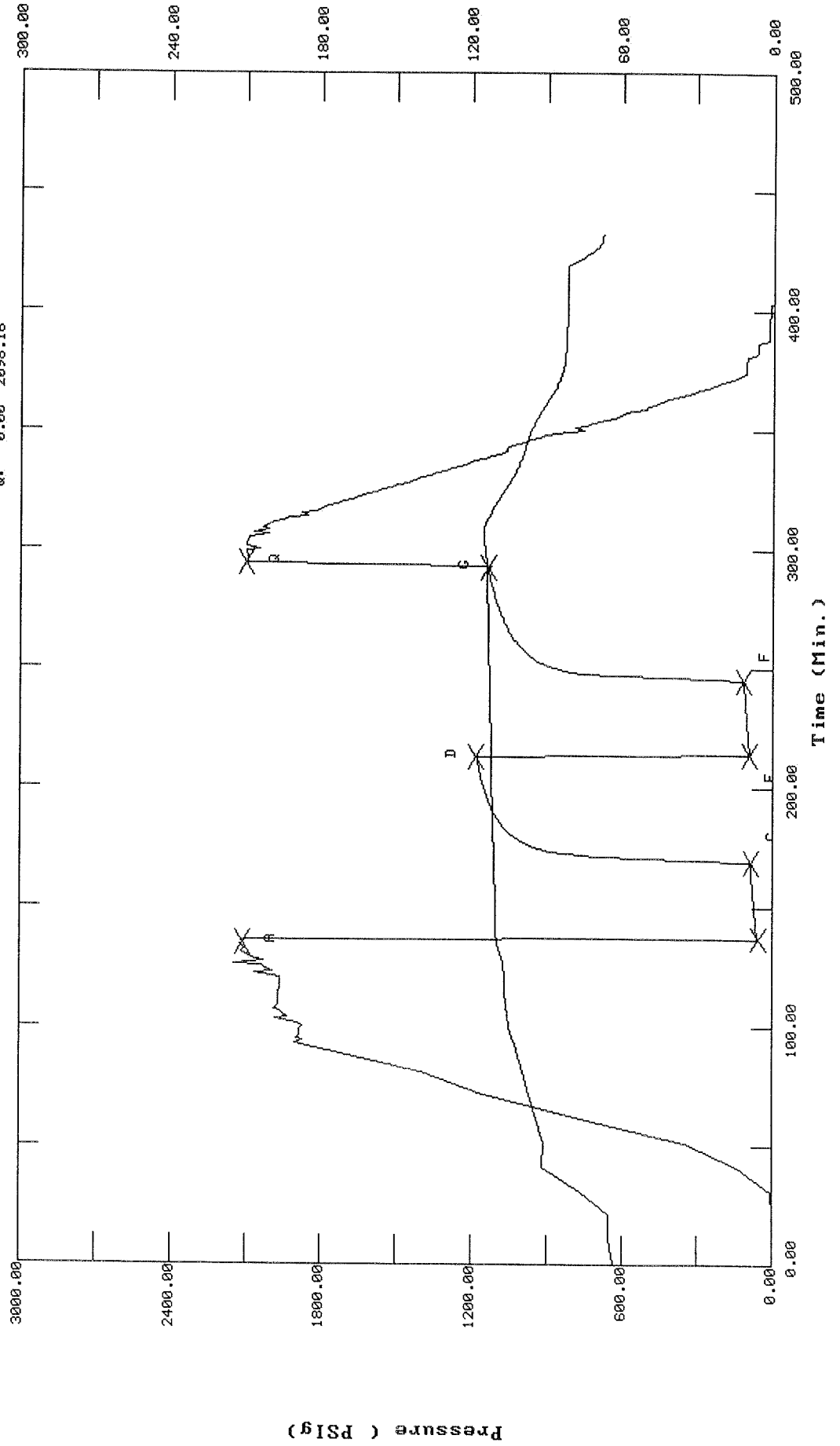
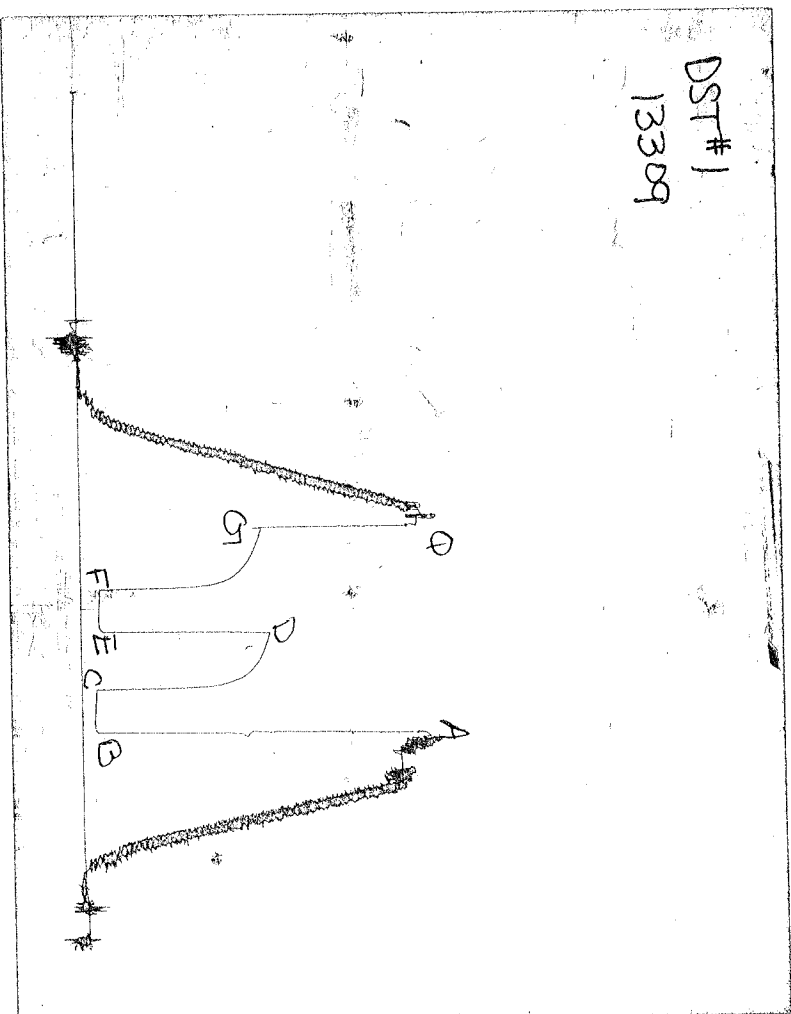


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 11916

Test Ticket

Well Name & No.	Fairleigh Ranch #1	Test No.	1	Date	5-16-99
Company	John O. Farmer Inc.	Zone Tested	Marmaton		
Address	P.O. Box 352 Russell KS 67665	Elevation	2854	KB	2846 GL
Co. Rep / Geo.	Marty Dubois	Cont.	Discovery #2	Est. Ft. of Pay	4 Por. 12 %
Location: Sec.	30	Twp.	15 ^S	Rge.	32 ^W Co. Logan State KS
No. of Copies	Nml	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N Evaluation (Y, N)

Interval Tested	4182 - 4285	Initial Str Wt./Lbs.	60,000	Unseated Str Wt./Lbs.	60,000
Anchor Length	103'	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	75,000
Top Packer Depth	4177	Tool Weight	1,800		
Bottom Packer Depth	4182	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	4285	Wt. Pipe Run	—	Drill Collar Run	30' .1
Mud Wt.	9.4 LCM	Vis.	50 WL 9.6	Drill Pipe Size	4 1/2" XH Ft. Run 4157' 67.1
Blow Description	IF: Weak surface blow slowly built to 1/2"				

FF: No return blow.

Recovery — Total Feet	GIP	Ft. in DC	30'	Ft. in DP	110'
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	140'	Feet Of	Drilg Mud	%gas	%oil
Rec.	Feet Of	w/ oil stain	%gas	%oil	%water
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
BHT	115	°F Gravity		°API D@	
°F Corrected Gravity		°API			
RW	@	°F	Chlorides	ppm Recovery	Chlorides
				ppm System	

(A) Initial Hydrostatic Mud	2124	AK-1	Alpine	2114	PSI Recorder No.	13309	T-On Location	2215
(B) First Initial Flow Pressure	58			53	PSI (depth)	4260	T-Started	2310
(C) First Final Flow Pressure	82			84	PSI Recorder No.	3024	T-Open	0130
(D) Initial Shut-In Pressure	1196			1178	PSI (depth)	4280	T-Pulled	0400
(E) Second Initial Flow Pressure	117			87	PSI Recorder No.	—	T-Out	0630
(F) Second Final Flow Pressure	117			111	PSI (depth)	—	T-Off Location	0700
(G) Final Shut-in Pressure	1137			1135	PSI Initial Opening	30	Test	
(Q) Final Hydrostatic Mud	2077			2098	PSI Initial Shut-in	45	Jars	
					Final Flow	30	Safety Joint	
					Final Shut-in	45	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 _____

Our Representative Rod Steinbrink

Circ. Sub X N/C
Sampler _____
Extra Packer _____
Elec. Rec. X
Mileage _____
Other _____
TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : John O.Farmer Inc.

DATE 5-17-99

WELL NAME: Fairleigh Ranch #1

KB 2854.00 ft

TICKET NO: 11917

DST #2

LOCATION : 30-15S-32W Logan KS

GR 2846.00 ft

FORMATION: Cherokee

INTERVAL : 4463.00 To 4490.00 ft

TD 4523.00 ft

TEST TYPE: CONV STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13309	13309	3024		13276	PF Fr. 1252 to 1322 hr
SI 30 Range(Psi)	4700.0	4700.0	4995.0	0.0	4000.0	IS Fr. 1322 to 1352 hr
SF 45 Clock(hrs)	12 HR	12	ALP		12 HR	SF Fr. 1352 to 1437 hr
FS 60 Depth(ft)	4465.0	4465.0	4585.0	0.0	4518.0	FS Fr. 1437 to 1437 hr

	Field	1	2	3	4	
A. Init Hydro	2347.0	2316.0	2232.0	0.0	0.0	T STARTED 1003 hr
B. First Flow	200.0	218.0	26.0	0.0	0.0	T ON BOTM 1250 hr
B1. Final Flow	650.0	667.0	640.0	0.0	0.0	T OPEN 1252 hr
C. In Shut-in	1102.0	1119.0	1134.0	0.0	0.0	T PULLED 1437 hr
D. Init Flow	686.0	684.0	654.0	0.0	0.0	T OUT hr
E. Final Flow	937.0	962.0	988.0	0.0	0.0	
F. Fl Shut-in	1102.0	1119.0	1135.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2183.0	2203.0	2223.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I		S	Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 200000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 30.00 ft
						D.P. Length 4434.00 ft

RECOVERY

Tot Fluid 2056.00 ft of 30.00 ft in DC and 2026.00 ft in DP
 568.00 ft of Muddy water 85% water 15% mud
 1488.00 ft of Salt 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 .22 @ 60 deg =

SALINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----
 Mud Type Chemical
 Weight 9.50 lb/cf
 Vis. 45.00 S/L
 W.L. 8.40 in3
 F.C. 0.00 in
 Mud Drop N

BLOW DESCRIPTION

Initial Flow:

Fair to strong blow off bottom in
 12 mins.

Initial Shut-in:

No return blow

Final Flow:

Fair to strong blow off bottom in
 3 mins.

Final Shut-in:

No return blow

Amt. of fill 0.00 ft
 Btm. H. Temp. 0.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 3
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased N

SAMPLES:

SENT TO:

Tester Rod Steinbrink
 Co. Rep. Marty Dubois
 Contr. Discovery
 Rig # 2
 Unit #
 Pump T.

Test Successful:

*** TOOL DIAGRAM *** CONV STRADDLE

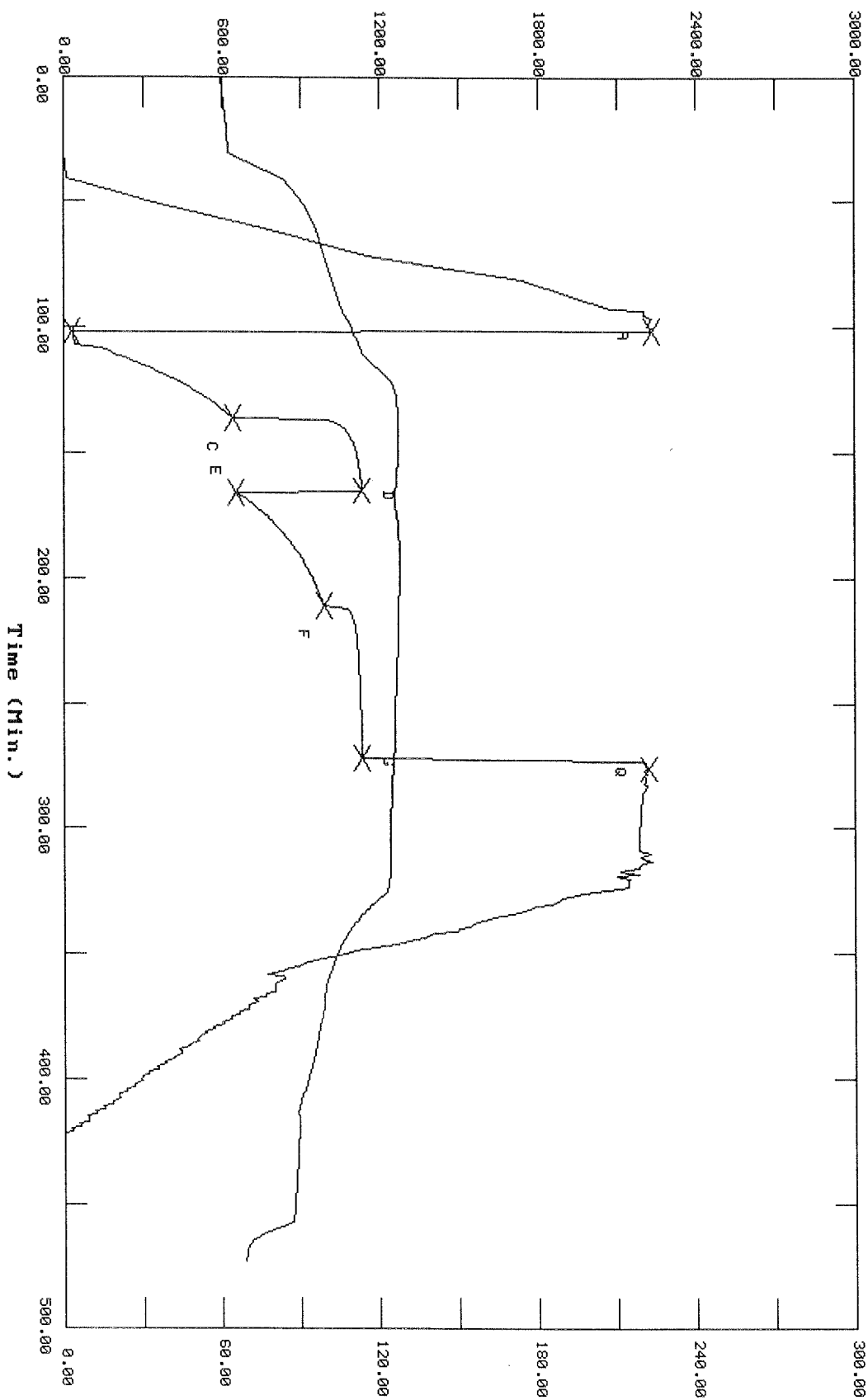
ELL NAME: Fairleigh Ranch #1	P.O. SUB 1' Above DC & DP	4313
	C.O. SUB 1'	4433
LOCATION : 30-15S-32W Logan KS	S.I. TOOL 5'	4439
TICKET No. 11917 D.S.T. No. 2 DATE 5-17-99		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 20	HMV 5'	4454
INTERVAL TOOL 27		
TOTAL PACKERS AND ANCHOR 33	JARS n/a	
TOTAL TOOL 80		
DRILL COLLAR ANCHOR IN INTERVAL		
T.C. ANCHOR STAND.Stands Single Total	SAFETY JOINT n/a	
P. ANCHOR STAND.Stands Single Total	PACKER 4'	4458
TOTAL ASSEMBLY 80	PACKER 5'	4463
T.C. ABOVE TOOLS.Stands Single 1 Total 30	DEPTH	
P. ABOVE TOOLS.Stands72 Single Total 4434	STUBB 1'	4464
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4544	ANCHOR	
	ALP Rec. @	4465
	AK-1 Rec. @	4485
	21' Perf	4485
TOTAL DEPTH 4523	1' Blank Off Sub	4486
TOTAL DRILL PIPE ABOVE K.B. 21		
REMARKS:		
	T.C. 2'	4488
	DEPTH	
	PACKER 2'	4490
	1' Stubb	4491
	26' Perf	4517
	AK-1 Rec. @	4518
	BULLNOSE 5'	
	T.D.	4523

TEST HISTORY

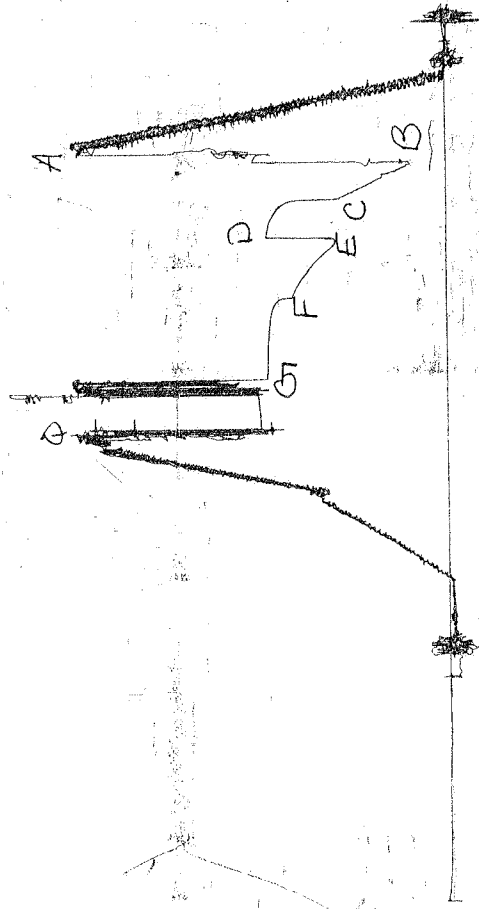
11917 DST #2 Fairleigh Ranch John O. Farmer

Flag Points
t(Min.) P (PSig)

A: 0.00 2232.20
B: 0.00 26.76
C: 34.00 640.72
D: 29.00 1134.21
E: 0.00 654.45
F: 45.00 988.39
G: 61.00 1135.75
Q: 0.00 2223.03

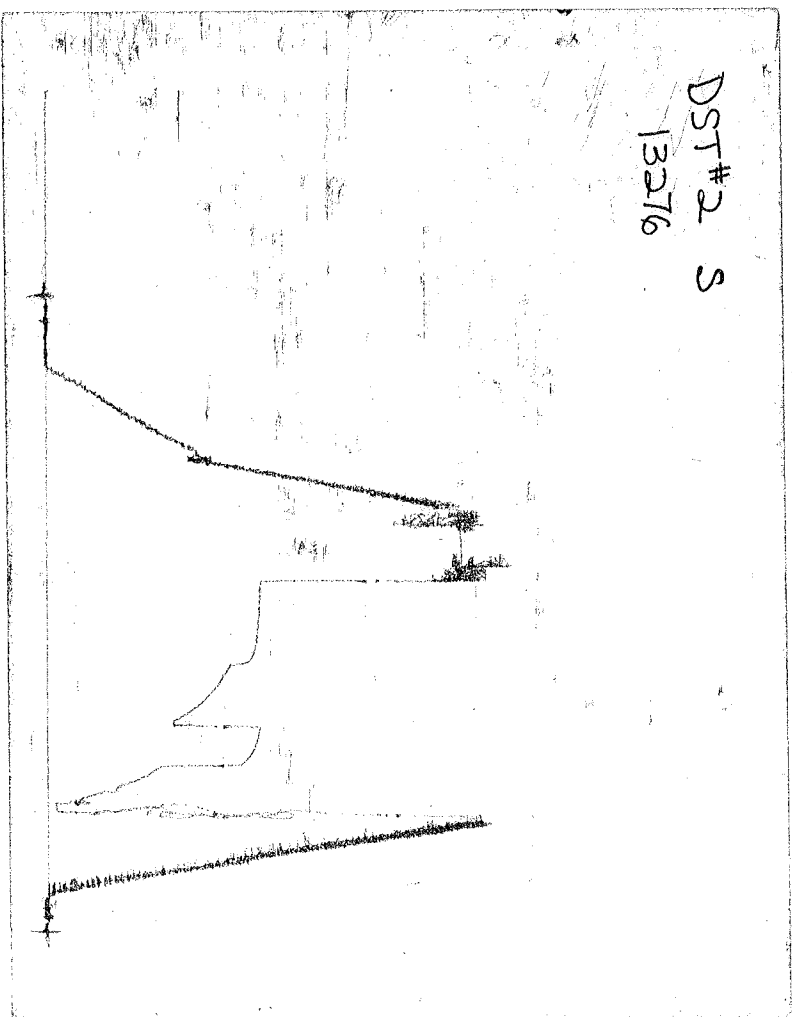


OST#2 X
13309



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

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 11917

Test Ticket

Well Name & No.	Fairleigh Ranch #1	Test No.	2	Date	5-17-99
Company	John O. Farmer Inc	Zone Tested	Johnson		
Address	PO Box 352 Russell KS 67665	Elevation	2854	KB	2846 GL
Co. Rep / Geo.	Marty Dubois	Cont.	Discovery #2	Est. Ft. of Pay	Por. %
Location: Sec.	30	Twp.	15 ^S	Rge.	32 ^W
		Co.	Logan	State	KS
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	4463 - 4490	Initial Str Wt./Lbs.	62,000	Unseated Str Wt./Lbs.	80,000
Anchor Length	27'	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	200,000
Top Packer Depth	4458 - 4463	Tool Weight	2,000		
Bottom Packer Depth	4490	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	(RTD) 4523	Wt. Pipe Run	—	Drill Collar Run	30'
Mud Wt.	9.5 LCM 0 Vis. 45 WL 8.4	Drill Pipe Size	4 1/2" XH	Ft. Run	4434' (72)
Blow Description	IF: Fair to strong blow off bttm in 12 mins.				
	ISI: No return blow.				
	FF: Fair to strong blow off bttm in 3 mins.				
	FSI: No return blow.				

Recovery — Total Feet	2056'	GIP	—	Ft. in DC	30'	Ft. in DP	2026'
Rec.	568'	Feet Of	MW	%gas	%oil	85	%water 15 %mud
Rec.		Feet Of		%gas	%oil		%water %mud
Rec.	1488'	Feet Of	SW	%gas	%oil		%water %mud
Rec.		Feet Of		%gas	%oil		%water %mud
Rec.		Feet Of		%gas	%oil		%water %mud
BHT	127°	°F Gravity		°API D@		°F Corrected Gravity	
RW	.22 @	60°	°F Chlorides	40,000	ppm Recovery	Chlorides	4,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2347	2232	PSI	Recorder No.	3024	T-On Location 0930
(B) First Initial Flow Pressure	200	26	PSI	(depth)	4465	T-Started 1003
(C) First Final Flow Pressure	650	640	PSI	Recorder No.	13309	T-Open 1252
(D) Initial Shut-In Pressure	1102	1134	PSI	(depth)	4485	T-Pulled 1437
(E) Second Initial Flow Pressure	686	654	PSI	Recorder No.	13276	T-Out 1800
(F) Second Final Flow Pressure	937	988	PSI	(depth)	4518	T-Off Location 1815
(G) Final Shut-in Pressure	1102	1135	PSI	Initial Opening	30	Test
(Q) Final Hydrostatic Mud	2183	2223	PSI	Initial Shut-in	30	Jars

Final Flow	45	Safety Joint	
Final Shut-in	60	Straddle	X

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Approved By Martuk Dubois

Our Representative Rod Steinbrink

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

TRILOBITE TESTING L.L.C.

OPERATOR : John O. Farmer Inc.

DATE 5-18-99

WELL NAME: Fairleigh Ranch #1

KB 2855.00 ft

TICKET NO: 11495

DST #3

LOCATION : 30-15s-32w Logan co KS

GR 2846.00 ft

FORMATION: Cher. Sd.

INTERVAL : 4455.00 To 4514.00 ft

TD 4652.00 ft

TEST TYPE: CONV STADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	11085	11085	3027			PF Fr. 1935 to 2020 hr
SI 60 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 2020 to 2120 hr
SF 45 Clock(hrs)	12hr	12	elec			SF Fr. 2120 to 2205 hr
FS 60 Depth(ft)	4462.0	4462.0	4466.0	0.0	0.0	FS Fr. 2205 to 2305 hr

	Field	1	2	3	4	
A. Init Hydro	2252.0	2246.0	2240.0	0.0	0.0	T STARTED 1817 hr
B. First Flow	77.0	97.0	38.0	0.0	0.0	T ON BOTM 1932 hr
B1. Final Flow	99.0	118.0	90.0	0.0	0.0	T OPEN 1935 hr
C. In Shut-in	995.0	1005.0	1032.0	0.0	0.0	T PULLED 2305 hr
D. Init Flow	121.0	141.0	95.0	0.0	0.0	T OUT 107 hr
E. Final Flow	132.0	151.0	123.0	0.0	0.0	
F. Fl Shut-in	908.0	932.0	943.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2219.0	2221.0	2175.0	0.0	0.0	Tool Wt. 2900.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 61000.00 lbs
						Unseated Str Wt 68000.00 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 30.00 ft
						D.P. Length 4397.00 ft

RECOVERY

Tot Fluid 210.00 ft of 30.00 ft in DC and 120.00 ft in DP
 90.00 ft of Slight oil cut mud 1% oil 25% water 74% mud
 120.00 ft of Muddy water 60% water 40% 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

SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak building to a good blow 1/2" to
 8" blow

Final Flow:

Weak blow throughout 1/2" blow

MUD DATA-----

Mud Type chemical
 Weight 9.50 lb/cf
 Vis. 46.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 120.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 3
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Ray Schwager
 Co. Rep. Marty
 Contr. Discovery
 Rig # 2
 Unit #
 Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV STADDLE

WELL NAME: Fairleigh Ranch #1

LOCATION : 30-15s-32w Logan co KS

WELL No. 11495 D.S.T. No. 3 DATE 5-18-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 33

INTERVAL TOOL 59

TOTAL PACKERS AND ANCHOR

TOTAL TOOL 92

WELL COLLAR ANCHOR IN INTERVAL 13tail

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands 2 Single Total 125tail

TOTAL ASSEMBLY 230

C. ABOVE TOOLS.Stands Single 1 Total 30

P. ABOVE TOOLS.Stands 75 Single Total 4397

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4657

TOTAL DEPTH 4652

TOTAL DRILL PIPE ABOVE K.B. 5

MARKS:

P.O. SUB	4322
C.O. SUB	4426
S.I. TOOL	4431
HMV	4436
JARS	4441
SAFETY JOINT	4446
PACKER	4450
PACKER	4455
DEPTH	4455
STUBB	4455
ANCHOR 5'perf	4460
5' "	4465
5' "	4470
32 jt. pipe	4502
Alpine@4466	
AK-1 @4462	
5'perf	4506
3' "	4509
T.C. &blankoff	4512
DEPTH	
PACKER	4514
5'perf	4519
5' "	4524
125'pie	4649
AK-1 @ 4522	
BULLNOSE 3'bullplug	4652
T.D.	4652

TEST HISTORY

11495 DST#3 Fairleigh Ranch #1 John O. Farmer Inc.

Flag Points
t(Min.) P(PSig)

A: 0.00 2240.63
B: 0.00 38.24
C: 46.50 90.65
D: 59.00 1032.57
E: 0.00 95.23
F: 45.00 123.35
G: 59.00 943.67
H: 0.00 2175.22

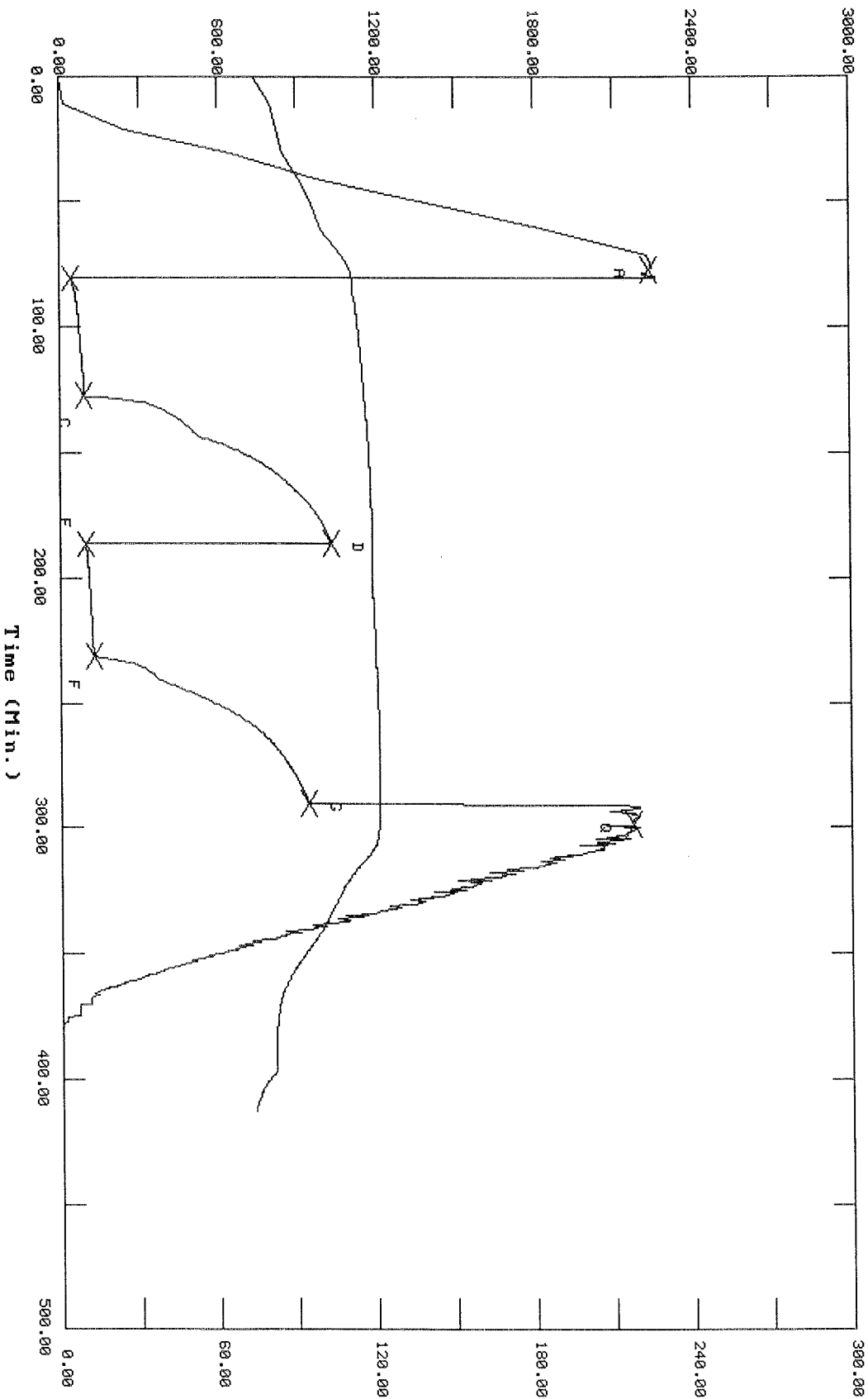
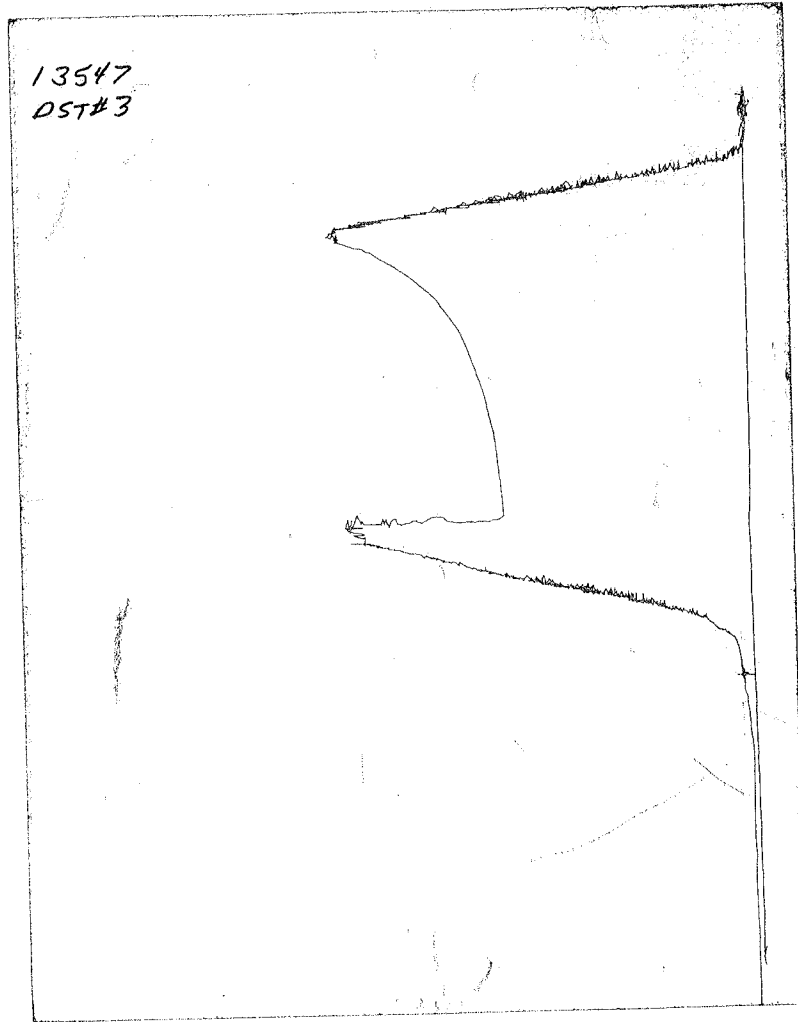
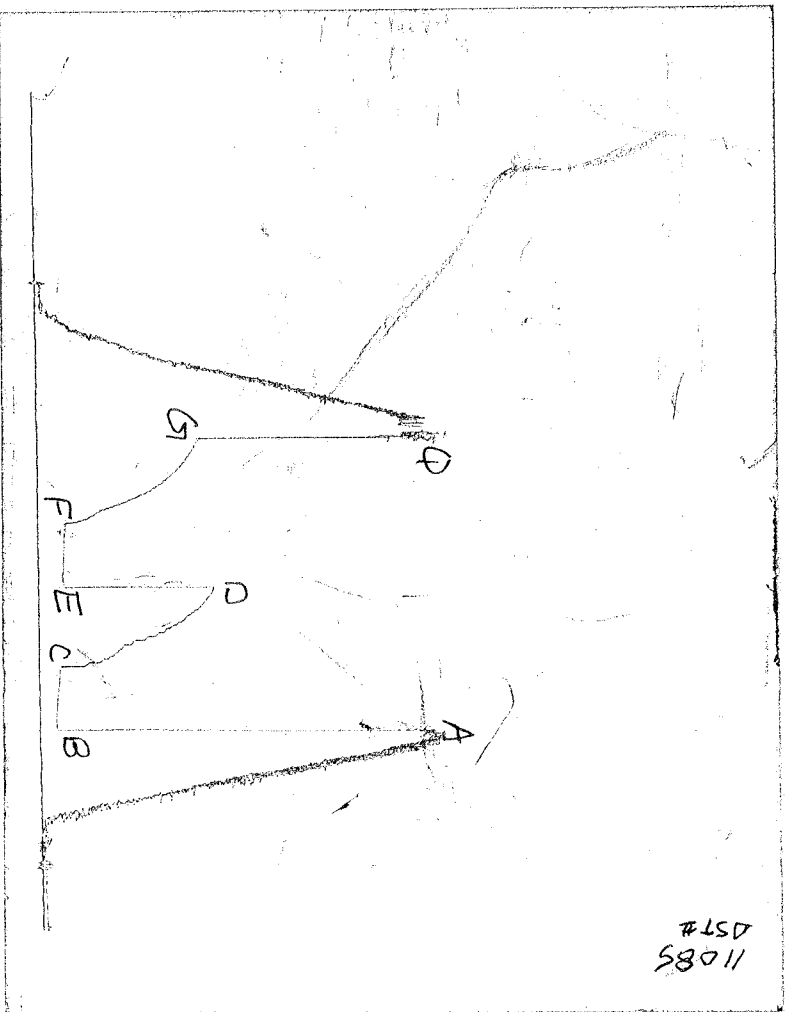


CHART PAGE



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

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

230722

Test Ticket

No 11495

Well Name & No.	Fairleigh Ranch #1	Test No.	3	Date	5-18-99
Company	John O. Farmer, Inc.	Zone Tested	Cher. 5d.		
Address	P.O. Box 352 Russell, Ks. 67665	Elevation	2855	KB	2846 GL
Co. Rep / Geo.	Marty Dubois	Cont.	Discourry rig 2	Est. Ft. of Pay	- Por. - %
Location: Sec.	30	Twp.	15 ^s	Rge.	32 ^w
		Co.	Logan	State	Ks
No. of Copies	Reg	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N
		Evaluation (Y, N)	N		

Interval Tested	4455-4514	Initial Str Wt./Lbs.	61000	Unseated Str Wt./Lbs.	68000
Anchor Length	59	Wt. Set Lbs.	20000	Wt. Pulled Loose/Lbs.	680000
Top Packers Depth	4440-4455	Tool Weight	2900		
Bottom Packer Depth	4514	Hole Size — 7 7/8"	yes	Rubber Size — 6 3/4"	yes
Total Depth	4652	Wt. Pipe Run	-	Drill Collar Run	30
Mud Wt.	9.5 LCM	Vis.	46	WL	8.8
		Drill Pipe Size	4 1/2 X H	Ft. Run	4397
Blow Description	IFP - WEAK building To A Good Blow 1/2" To 8" Blow NO BLOW BACK ON SHUT-IN FFP - WEAK BLOW Throughout 1/2" BLOW				

Recovery — Total Feet	210	GIP	-	Ft. in DC	30	Ft. in DP	180
Rec.	90	Feet Of	50 CUM	%gas	1	%oil	25
				%water	74	%mud	
Rec.	120	Feet Of	MW	%gas		%oil	60
				%water	40	%mud	
Rec.		Feet Of		%gas		%oil	
				%water		%mud	
Rec.		Feet Of		%gas		%oil	
				%water		%mud	
BHT	120	°F Gravity	-	°API D@	-	°F Corrected Gravity	-
		°API					
RW	.26	@	60	°F	Chlorides	32000	ppm Recovery
					Chlorides	6000	ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	2252	2240	PSI	Recorder No.	3027
(B) First Initial Flow Pressure	77	38	PSI	(depth)	4466
(C) First Final Flow Pressure	99	90	PSI	Recorder No.	11085
(D) Initial Shut-In Pressure	995	1032	PSI	(depth)	4462
(E) Second Initial Flow Pressure	121	95	PSI	Recorder No.	13547
(F) Second Final Flow Pressure	132	123	PSI	(depth)	4522
(G) Final Shut-in Pressure	908	943	PSI	Initial Opening	45
(Q) Final Hydrostatic Mud	2219	2175	PSI	Initial Shut-in	60
				Final Flow	45
				Final Shut-in	60

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 Martin K. Rubin

Our Representative Ray Schwager Thankyou

T-On Location	1730
T-Started	1817
T-Open	1935
T-Pulled	2305
T-Out	107
T-Off Location	
Test	✓
Jars	✓
Safety Joint	✓
Straddle	✓
Circ. Sub	
Sampler	
Extra Packer	✓
Elec. Rec.	✓
Mileage	
Other	
TOTAL PRICE \$	✓