Computer Inventoried

ORIGINAL

WELL NAME: Potter B #2
COMPANY: John O. Farmer
LOCATION: 01-17S-25W
Ness County, Kansas
DATE: 12/17/97

15-135-24044

TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer — DATE 12-11-97
WELL NAME: Potter B #2 — KB 2543.00 ft — TICKET NO: 10384 — DST #1
LOCATION : 1-17S-25W Ness Co KS — GR 2535.00 ft — FORMATION: Fort Scott
INTERVAL : 4315.00 To 4353.00 ft — TD 4353.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11057	11057	2346		
SI 30	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12 hr	12 hr	elect		
FS 30	Depth(ft)	4348.0	4348.0	4323.0	0.0	0.0

TIME DATA----------
PF Fr. 0847 to 0917 hr
IS Fr. 0917 to 0947 hr
SF Fr. 0947 to 1017 hr
FS Fr. 1017 to 1047 hr

	Field	1	2	3	4
A. Init Hydro	2174.0	2139.0	2130.0	0.0	0.0
B. First Flow	100.0	77.0	24.0	0.0	0.0
B1. Final Flow	100.0	85.0	45.0	0.0	0.0
C. In Shut-in	1062.0	1041.0	1048.0	0.0	0.0
D. Init Flow	112.0	91.0	46.0	0.0	0.0
E. Final Flow	112.0	105.0	51.0	0.0	0.0
F. Fl Shut-in	783.0	756.0	791.0	0.0	0.0
G. Final Hydro	2151.0	2121.0	2121.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0650 hr
T ON BOTM 0840 hr
T OPEN 0847 hr
T PULLED 1047 hr
T OUT 1245 hr

RECOVERY
Tot Fluid 60.00 ft of 30.00 ft in DC and 30.00 ft in DP
60.00 ft of Drilling mud w/specks of oil in tool
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

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	52000.00 lbs
Initial Str Wt	44000.00 lbs
Unseated Str Wt	44000.00 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	4286.00 ft

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	48.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 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	Shane McBride
Co. Rep.	John O Farmer IV
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
1/8" blow @ open - died back to a weak surface blow

Final Flow:
Weak surface blow built to 1/8" blow throughout

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Potter B #2

LOCATION : 1-17S-25W Ness Co KS

TICKET No. 10384 D.S.T. No. 1 DATE 12-11-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 58

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands Single 1 Total 30

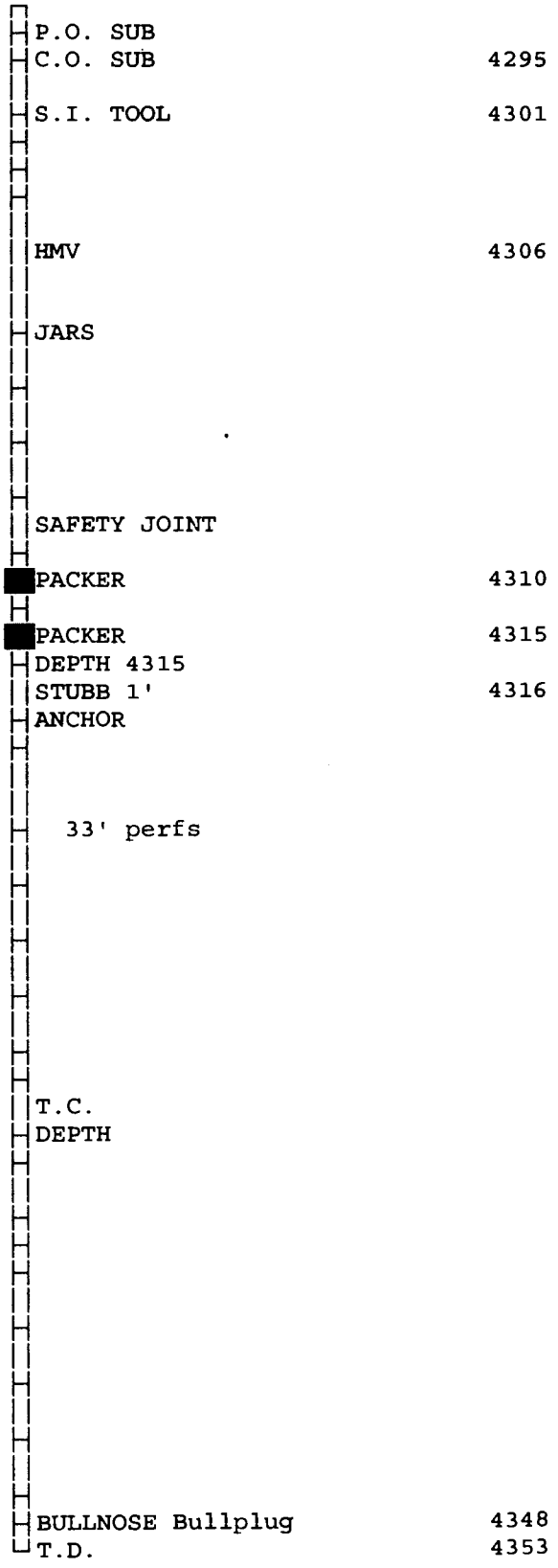
D.P. ABOVE TOOLS.Stands71 Single Total 4286

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4374

TOTAL DEPTH 4353

TOTAL DRILL PIPE ABOVE K.B. 21

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10383 DST #1 Potter B #2 John O Farmer

DATE: 12/11/97 TIME: 19:49:34

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	114.00	2130.0	0.0	104.11		
****** Start Flow 1	0.00	24.7	0.0	105.16		
	1.00	26.4	1.7	105.37		
	2.00	27.7	3.0	105.54		
	3.00	28.9	4.3	105.64		
	4.00	30.0	5.3	105.72		
	5.00	31.1	6.4	105.78		
	6.00	32.2	7.6	105.84		
	7.00	33.3	8.6	105.86		
	8.00	34.1	9.4	105.90		
	9.00	34.9	10.3	105.93		
	10.00	35.9	11.2	105.96		
	11.00	36.9	12.2	105.97		
	12.00	37.6	13.0	106.00		
	13.00	38.0	13.4	106.03		
	14.00	38.2	13.5	106.06		
	15.00	38.6	13.9	106.09		
	16.00	37.2	12.6	106.13		
	17.00	38.8	14.2	106.16		
	18.00	39.1	14.4	106.20		
	19.00	39.6	15.0	106.22		
	20.00	39.5	14.8	106.27		
	21.00	38.2	13.6	106.32		
	22.00	40.4	15.8	106.36		
	23.00	39.7	15.1	106.40		
	24.00	41.5	16.9	106.45		
	25.00	40.7	16.1	106.50		
	26.00	43.2	18.5	106.56		
	27.00	41.9	17.2	106.61		
	28.00	42.1	17.4	106.66		
	29.00	45.1	20.4	106.72		
****** End Flow 1	30.00	45.8	21.2	106.77		
****** Start Shutin 1	0.00	45.8	0.0	106.77	0.0000	0.002
	1.00	52.0	6.2	106.82	31.0000	0.003
	2.00	58.9	13.1	106.88	16.0000	0.003
	3.00	67.0	21.1	106.94	11.0000	0.004
	4.00	76.3	30.4	107.00	8.5000	0.006
	5.00	87.5	41.6	107.05	7.0000	0.008
	6.00	101.1	55.2	107.12	6.0000	0.010
	7.00	117.8	71.9	107.18	5.2857	0.014
	8.00	138.6	92.8	107.24	4.7500	0.019
	9.00	166.1	120.3	107.29	4.3333	0.028
	10.00	199.4	153.5	107.34	4.0000	0.040
	11.00	247.7	201.8	107.40	3.7273	0.061
	12.00	314.8	268.9	107.44	3.5000	0.099
	13.00	405.6	359.7	107.51	3.3077	0.165
	14.00	517.7	471.8	107.57	3.1429	0.268
	15.00	634.8	589.0	107.63	3.0000	0.403
	16.00	736.5	690.6	107.70	2.8750	0.542
	17.00	813.2	767.3	107.77	2.7647	0.661
	18.00	867.7	821.8	107.83	2.6667	0.753

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10383 DST #1 Potter B #2 John O Farmer

DATE: 12/11/97 TIME: 19:49:34

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	906.4	860.6	107.88	2.5789	0.822
	20.00	935.0	889.2	107.91	2.5000	0.874
	21.00	957.1	911.2	107.94	2.4286	0.916
	22.00	974.7	928.9	107.95	2.3636	0.950
	23.00	989.5	943.6	107.94	2.3043	0.979
	24.00	1002.3	956.5	107.95	2.2500	1.005
	25.00	1013.4	967.6	107.95	2.2000	1.027
	26.00	1023.3	977.5	107.96	2.1538	1.047
	27.00	1032.5	986.6	107.98	2.1111	1.066
	28.00	1040.7	994.9	108.00	2.0714	1.083
***** End Shut-in 1	29.00	1048.4	1002.5	108.02	2.0345	1.099
***** Start Flow 2	0.00	46.6	0.0	108.04		
	1.00	48.3	1.7	108.08		
	2.00	49.3	2.7	108.14		
	3.00	50.1	3.5	108.24		
	4.00	50.1	3.4	108.37		
	5.00	49.6	2.9	108.50		
	6.00	50.0	3.3	108.65		
	7.00	49.3	2.7	108.80		
	8.00	50.4	3.8	108.95		
	9.00	51.1	4.5	109.08		
	10.00	50.0	3.4	109.21		
	11.00	50.2	3.6	109.32		
	12.00	50.9	4.2	109.41		
	13.00	50.9	4.2	109.49		
	14.00	51.1	4.4	109.58		
	15.00	51.4	4.8	109.67		
	16.00	51.1	4.5	109.78		
	17.00	50.9	4.3	109.92		
	18.00	51.3	4.7	110.07		
	19.00	52.2	5.6	110.23		
	20.00	51.8	5.1	110.40		
	21.00	52.4	5.8	110.54		
	22.00	52.6	6.0	110.71		
	23.00	52.0	5.4	110.87		
	24.00	51.9	5.3	111.04		
	25.00	51.5	4.9	111.21		
	26.00	51.8	5.1	111.36		
	27.00	52.0	5.3	111.49		
	28.00	51.9	5.2	111.61		
***** End Flow 2	29.00	51.9	5.2	111.72		
***** Start Shutin 2	0.00	51.9	0.0	111.72	0.0000	0.003
	1.00	58.5	6.6	111.82	60.0000	0.003
	2.00	62.6	10.8	111.93	30.5000	0.004
	3.00	66.9	15.0	112.04	20.6667	0.004
	4.00	71.6	19.7	112.16	15.7500	0.005
	5.00	76.4	24.5	112.29	12.8000	0.006
	6.00	81.6	29.7	112.42	10.8333	0.007
	7.00	87.1	35.3	112.54	9.4286	0.008
	8.00	93.1	41.2	112.66	8.3750	0.009
	9.00	99.7	47.8	112.78	7.5556	0.01

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10383 DST #1 Potter B #2 John O Farmer

DATE: 12/11/97 TIME: 19:49:34

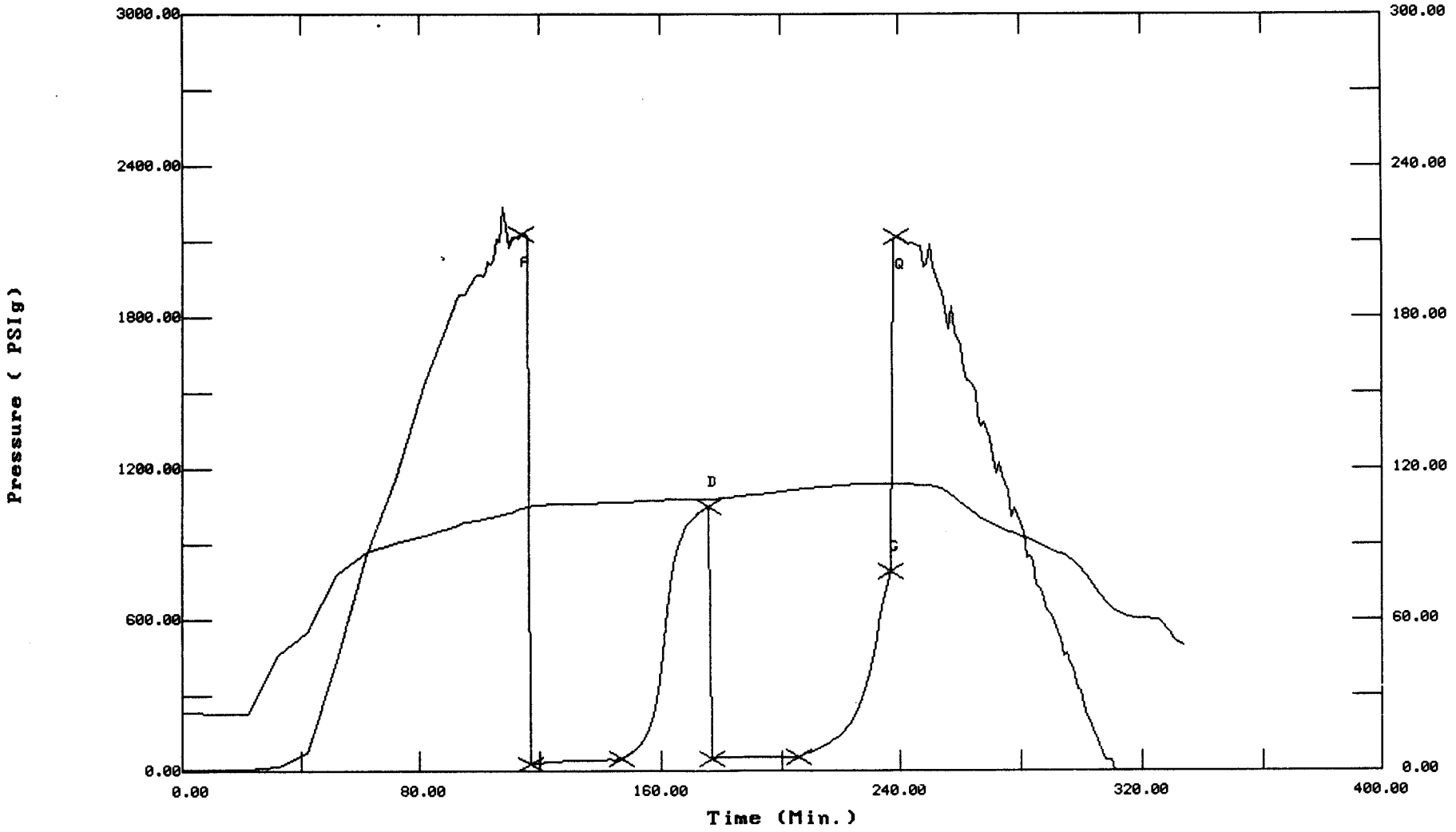
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	107.0	55.2	112.89	6.9000	0.011
	11.00	115.0	63.2	113.00	6.3636	0.013
	12.00	121.8	69.9	113.11	5.9167	0.015
	13.00	131.5	79.7	113.22	5.5385	0.017
	14.00	142.5	90.6	113.31	5.2143	0.020
	15.00	155.0	103.1	113.40	4.9333	0.024
	16.00	169.6	117.7	113.49	4.6875	0.029
	17.00	186.4	134.6	113.57	4.4706	0.035
	18.00	205.8	153.9	113.65	4.2778	0.042
	19.00	228.1	176.2	113.73	4.1053	0.052
	20.00	254.1	202.3	113.79	3.9500	0.065
	21.00	284.7	232.8	113.85	3.8095	0.081
	22.00	320.7	268.8	113.89	3.6818	0.103
	23.00	362.4	310.6	113.94	3.5652	0.131
	24.00	411.1	359.2	113.98	3.4583	0.169
	25.00	466.2	414.3	114.01	3.3600	0.217
	26.00	526.3	474.4	114.03	3.2692	0.277
	27.00	588.1	536.2	114.05	3.1852	0.346
	28.00	648.3	596.4	114.07	3.1071	0.420
	29.00	703.4	651.5	114.08	3.0345	0.495
	30.00	751.3	699.4	114.09	2.9667	0.564
****** End Shut-in 2	31.00	791.4	739.5	114.10	2.9032	0.626
****** Final Hydro.	239.00	2121.0	0.0	114.13		

TEST HISTORY

10383 DST #1 Potter B #2 John O Farmer

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2130.00
B:	0.00	24.66
C:	30.00	45.85
D:	29.00	1048.37
E:	0.00	46.63
F:	29.00	51.87
G:	31.00	791.36
Q:	0.00	2121.01



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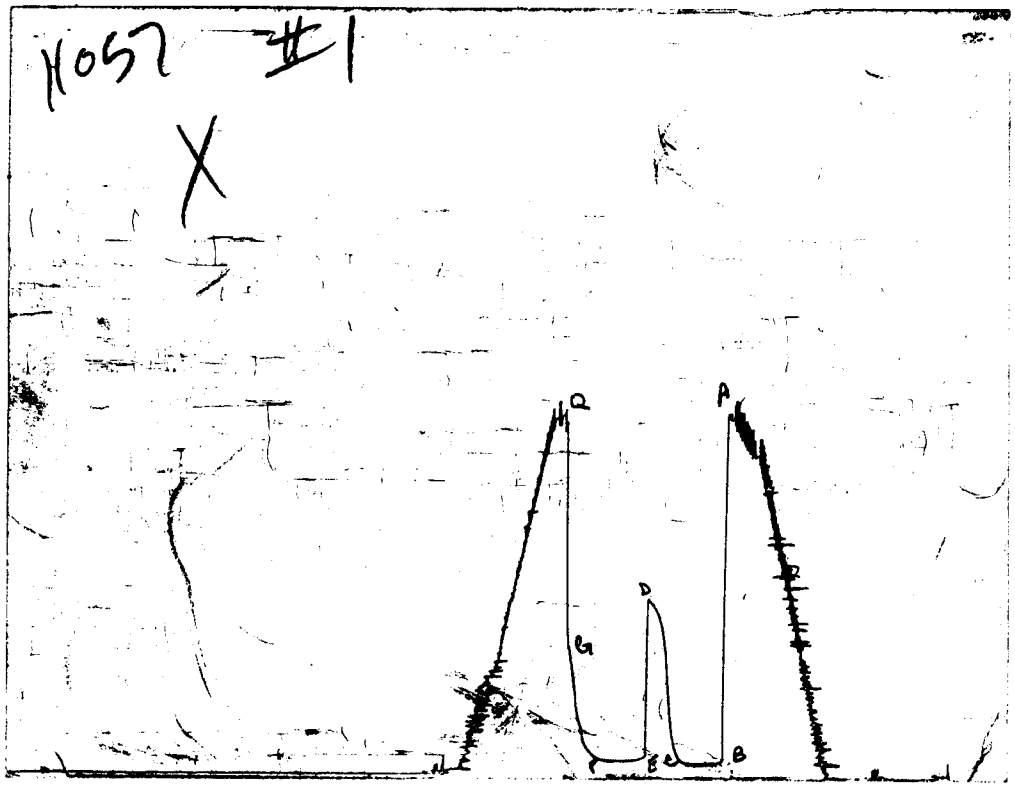


This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10384

Well Name & No. Potter B #2 Test No. 1 Date 12-11-97

Company John O. Farmer Zone Tested Fort Scott

Address P.O. Box 362 Russell KS 67665 Elevation 2543' KB 2535' GL

Co. Rep / Geo. John O. Farmer IV Cont. Discovery #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 1 Twp. 17 Rge. 25 Co. Ness State KS

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 4315 4363 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000

Anchor Length 38 Wt. Set Lbs. 26000 Wt. Pulled Loose/Lbs. 52000

Top Packer Depth 4310 Tool Weight 4000

Bottom Packer Depth 4315 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4353 Wt. Pipe Run — Drill Collar Run 30' 'H 90'

Mud Wt. 9.2 LCM #1/2 Vis. 48 WL 9.2 Drill Pipe Size 4½ XH Ft. Run 4286

Blow Description 1/8" in @ open died back to a weak surface
No return
Weak surface blow built to 1/8" in. blew throughout.
No return

Recovery — Total Feet 60' GIP — Ft. in DC 30' Ft. in DP 30'

Rec. 60' Feet Of Heavy drlg Mud Specs of oil %gas Specs %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 114° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 2,200 ppm System

(A) Initial Hydrostatic Mud	2174	2130	PSI	Recorder No.	2346	T-Started 06:50 AM
(B) First Initial Flow Pressure	100	24	PSI	(depth)	4323	T-Open 08:47 AM
(C) First Final Flow Pressure	100	45	PSI	Recorder No.	11057	T-Pulled 10:47 AM
(D) Initial Shut-in Pressure	1062	1048	PSI	(depth)	4348	T-Out 12:45 P.M.
(E) Second Initial Flow Pressure	112	46	PSI	Recorder No.		
(F) Second Final Flow Pressure	112	51	PSI	(depth)		
(G) Final Shut-in Pressure	783	791	PSI	Initial Opening	30	Test X 700
(H) Final Hydrostatic Mud	2151	2121	PSI	Initial Shut-in	30	Jars ____
	AK-1	Approved		Final Flow	30	Safety Joint ____
				Final Shut-in	30	Straddle ____
						Circ. Sub X N/C
						Sampler ____
						Extra Packer ____
						Elect. Rec. X 150
						Other ____
						TOTAL PRICE $ 850

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 John O. Farmer IV

Our Representative Shane McBeth

TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer — DATE 12-11-97
WELL NAME: Potter B #2 — KB 2543.00 ft — TICKET NO: 10385 — DST #2
LOCATION : 1-17S-25W Ness Co KS — GR 2535.00 ft — FORMATION: Cherokee Sand
INTERVAL : 4394.00 To 4424.00 ft — TD 4424.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11057	11057	11058		
SI 30	Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0
SF 30	Clock(hrs)	12 hr	12 hr	12 hr		
FS 30	Depth(ft)	4419.0	4419.0	4416.0	0.0	0.0

TIME DATA----------
PF Fr. 2400 to 0030 hr
IS Fr. 0030 to 0100 hr
SF Fr. 0100 to 0130 hr
FS Fr. 0130 to 0200 hr

	Field	1	2	3	4
A. Init Hydro	2185.0	2170.0	0.0	0.0	0.0
B. First Flow	56.0	44.0	0.0	0.0	0.0
B1. Final Flow	44.0	44.0	0.0	0.0	0.0
C. In Shut-in	1006.0	1012.0	0.0	0.0	0.0
D. Init Flow	44.0	49.0	0.0	0.0	0.0
E. Final Flow	44.0	51.0	0.0	0.0	0.0
F. Fl Shut-in	895.0	592.0	0.0	0.0	0.0
G. Final Hydro	2162.0	2106.0	0.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2145 hr
T ON BOTM 2355 hr
T OPEN 2400 hr
T PULLED 0200 hr
T OUT 0405 hr

RECOVERY
Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
5.00 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

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	44000.00 lbs
Unseated Str Wt	44000.00 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	0.00 ft

BLOW DESCRIPTION
Initial Flow:
1/4" blow @ open - died in 18 min

Final Flow:
No blow

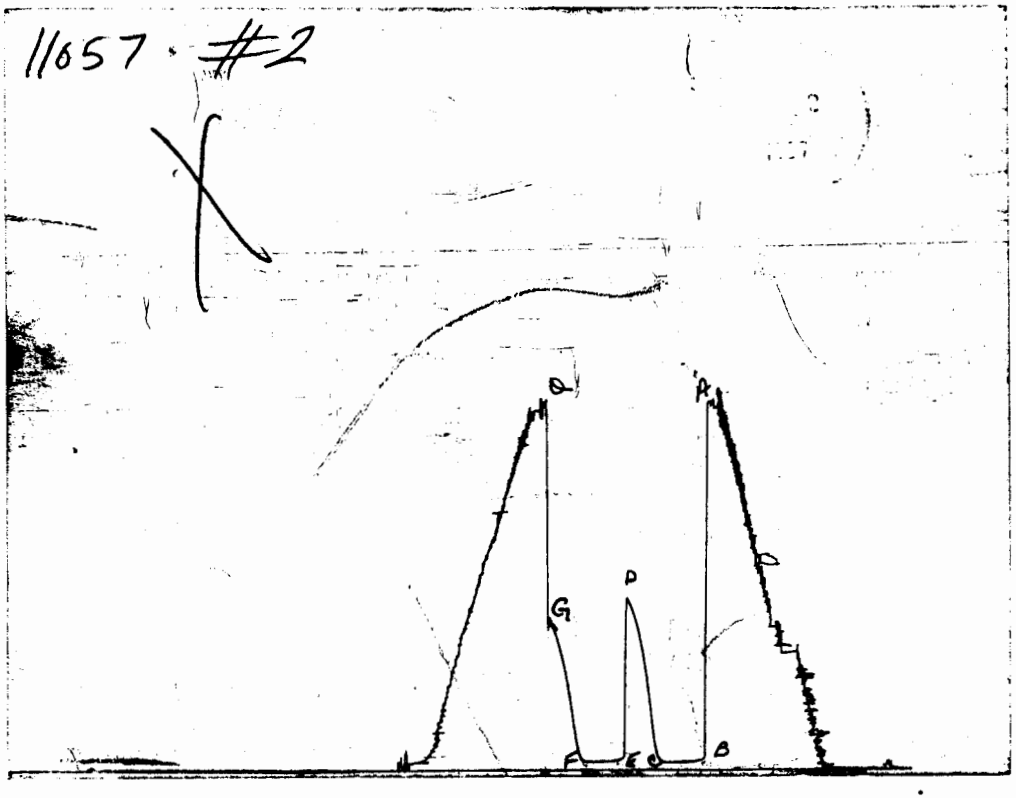
MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	50.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 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	Shane McBride
Co. Rep.	John O Farmer IV
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

SAMPLES:
SENT TO:

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

№ 10385

Well Name & No. Potter B #2 Test No. 2 Date 12-11-97

Company John O. Farmer Zone Tested Cher. Sd

Address P.O. Box 352 Russell, Ks 67665 Elevation 2543 KB 2535 GL

Co. Rep / Geo. John O. Farmer IV Cont. Discovery #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 1 Twp. 17 Rge. 25 Co. Ness State Ks

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 4394 4424

Anchor Length 30

Top Packer Depth 4389

Bottom Packer Depth 4394

Total Depth 4424

Mud Wt. 9.2 LCM 1/2 Vis. 50 WL 9.2

Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 44,000

Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 65,000

Tool Weight 4,000

Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Wt. Pipe Run — Drill Collar Run 30'

Drill Pipe Size 4½ XH Ft. Run ____

Blow Description 1/4" in blow @ open died in 18 min.

No return

No blow

No return

Recovery — Total Feet 5' GIP — Ft. in DC 5' Ft. in DP —

Rec. 5'	Feet Of Drlg 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 113° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 2,200 ppm System

(A) Initial Hydrostatic Mud	2185 PSI	Recorder No.	11057	T-Started	21:45 Pm.
(B) First Initial Flow Pressure	56 PSI	(depth)	4419'	T-Open	12:00 A.M.
(C) First Final Flow Pressure	44 PSI	Recorder No.	11058	T-Pulled	02:00 Am.
(D) Initial Shut-in Pressure	1006 PSI	(depth)	4416'	T-Out	04:05 Am.
(E) Second Initial Flow Pressure	44 PSI	Recorder No.	____		
(F) Second Final Flow Pressure	44 PSI	(depth)	____		
(G) Final Shut-in Pressure	895 PSI	Initial Opening	30	Test X	700
(H) Final Hydrostatic Mud	2162 PSI	Initial Shut-in	30	Jars	____
		Final Flow	30	Safety Joint	____
		Final Shut-in	30	Straddle	____
		on location @ 21:05 pm.		Circ. Sub	X N/C
		off location @ 04:20 pm		Sampler	____
				Extra Packer	____
				Elect. Rec.	____
				Other	

Approved By ____

TRILOBITE TESTING L.L.C.

)PERATOR : John O. Farmer — DATE 12-12-97
/ELL NAME: Potter B #2 — KB 2543.00 ft — TICKET NO: 10386 — DST #3
)OCATION : 1-17S-25W Ness Co. KS — GR 2535.00 ft — FORMATION: Mississippi
NTERVAL : 4395.00 To 4442.00 ft — TD 4442.00 ft — TEST TYPE: CONV.

ECORDER DATA

Mins			Field	1	2	3	4
F	30	Rec.	11057	11057	2346		
I	30	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
F	30	Clock(hrs)	12	12 hr	alpin		
S	30	Depth(ft)	4437.0	4437.0	4406.0	0.0	0.0

	Field	1	2	3	4
. Init Hydro	2174.0	2138.0	2151.0	0.0	0.0
. First Flow	44.0	41.0	27.0	0.0	0.0
1. Final Flow	33.0	41.0	36.0	0.0	0.0
. In Shut-in	683.0	667.0	717.0	0.0	0.0
. Init Flow	44.0	47.0	38.0	0.0	0.0
. Final Flow	33.0	47.0	40.0	0.0	0.0
. Fl Shut-in	604.0	599.0	637.0	0.0	0.0
. Final Hydro	2151.0	2097.0	2125.0	0.0	0.0
nside/Outside	i	i	o		

TIME DATA----------
PF Fr. 1700 to 1730 hr
IS Fr. 1730 to 1800 hr
SF Fr. 1800 to 1830 hr
FS Fr. 1830 to 1900 hr

T STARTED 1518 hr
T. ON BOTM 1657 hr
T OPEN 1700 hr
T PULLED 1900 hr
T OUT 2053 hr

ECOVERY
ot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
0.00 ft of drilg mud heavy oil scum 100% mud
.00 ft of {good show of free oil on top of tool}
.00 ft of
.00 ft of
.00 ft of
.00 ft of
.00 ft of
.00 ft of
ALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	45000.00 lbs
Unseated Str Wt	45000.00 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	30.00 ft
D.P. Length	4351.00 ft

MUD DATA----------

Mud Type	chem
Weight	9.20 lb/cf
Vis.	50.00 S/L
W.L.	9.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	104.00 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	Shane McBride
Co. Rep.	John O. Farmer
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow: Surface blow died in 9 minutes.

Initial Shutin: No return.

Final Flow: No blow.

Final Shutin: No return.

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Potter B #2

LOCATION : 1-17S-25W Ness Co. KS

TICKET No. 10386 D.S.T. No. 3 DATE 12-12-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 17

TOTAL TOOL 37

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 30

TOTAL ASSEMBLY 67

D.C. ABOVE TOOLS.Stands Single 1 Total 30

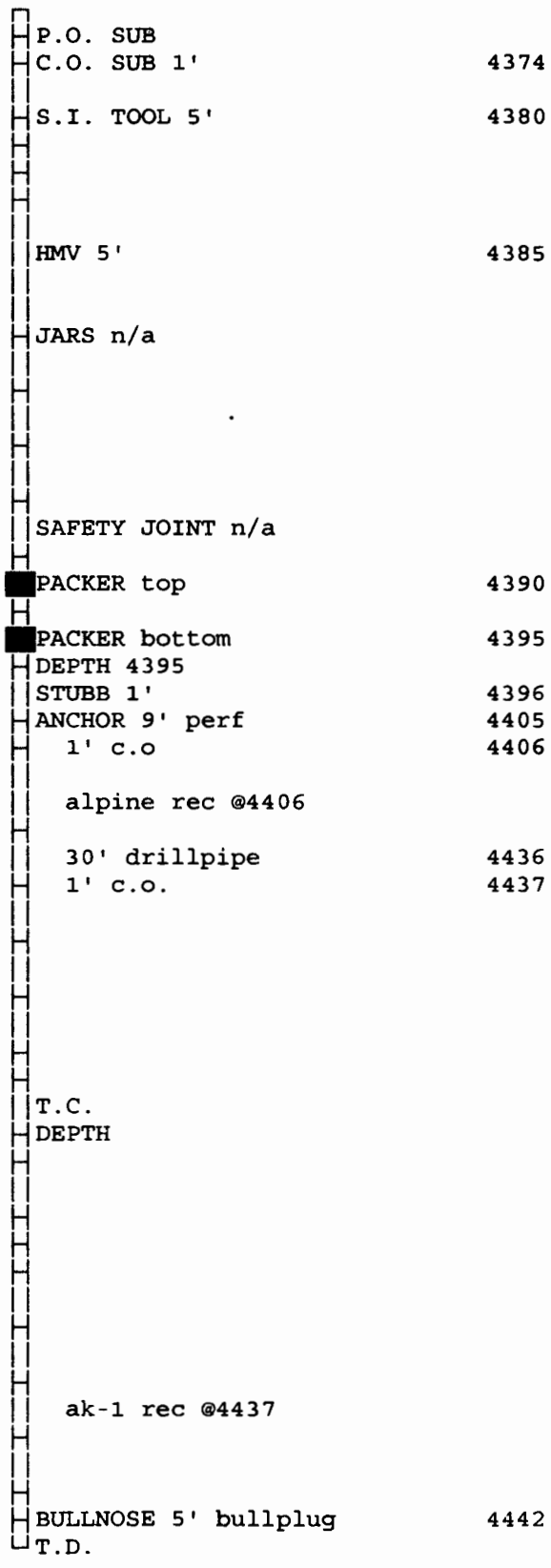
D.P. ABOVE TOOLS.Stands71 Single 1 Total 4351

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4448

TOTAL DEPTH 4442

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10386 DST #3 Potter B #2 John O. Farmer

DATE: 12/13/97 TIME: 04:17:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	99.00	2151.6	0.0	97.22		
***** Start Flow 1	0.00	27.8	0.0	97.37		
	1.00	28.7	0.9	97.47		
	2.00	29.2	1.4	97.51		
	3.00	29.5	1.7	97.54		
	4.00	29.7	1.9	97.55		
	5.00	30.1	2.3	97.55		
	6.00	30.3	2.5	97.55		
	7.00	30.4	2.6	97.56		
	8.00	30.7	2.9	97.56		
	9.00	31.0	3.2	97.57		
	10.00	31.4	3.6	97.58		
	11.00	31.7	3.9	97.58		
	12.00	31.9	4.1	97.60		
	13.00	32.3	4.5	97.61		
	14.00	32.4	4.6	97.62		
	15.00	32.7	4.9	97.63		
	16.00	33.0	5.2	97.64		
	17.00	33.2	5.4	97.65		
	18.00	33.5	5.7	97.66		
	19.00	33.8	6.0	97.67		
	20.00	34.1	6.3	97.67		
	21.00	34.2	6.4	97.68		
	22.00	34.5	6.7	97.69		
	23.00	34.7	6.9	97.69		
	24.00	34.9	7.1	97.71		
	25.00	35.1	7.3	97.71		
	26.00	35.4	7.6	97.71		
	27.00	35.5	7.7	97.72		
	28.00	35.7	7.9	97.73		
	29.00	35.8	8.0	97.74		
***** End Flow 1	30.00	36.0	8.2	97.75		
***** Start Shutin 1	0.00	36.0	0.0	97.75	0.0000	0.001
	1.00	39.9	3.9	97.77	31.0000	0.002
	2.00	50.6	14.6	97.79	16.0000	0.003
	3.00	63.6	27.6	97.80	11.0000	0.004
	4.00	79.6	43.6	97.82	8.5000	0.006
	5.00	98.9	62.8	97.83	7.0000	0.01
	6.00	121.5	85.5	97.86	6.0000	0.015
	7.00	147.1	111.1	97.87	5.2857	0.022
	8.00	175.9	139.9	97.90	4.7500	0.031
	9.00	206.6	170.6	97.92	4.3333	0.043
	10.00	238.3	202.3	97.94	4.0000	0.057
	11.00	270.8	234.7	97.96	3.7273	0.073
	12.00	303.3	267.3	97.99	3.5000	0.092
	13.00	335.2	299.2	98.02	3.3077	0.112
	14.00	366.6	330.6	98.05	3.1429	0.134
	15.00	397.0	361.0	98.08	3.0000	0.158
	16.00	426.4	390.4	98.10	2.8750	0.182
	17.00	454.6	418.6	98.15	2.7647	0.207
	18.00	481.5	445.4	98.16	2.6667	0.232

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10386 DST #3 Potter B #2 John O. Farmer

DATE: 12/13/97 TIME: 04:17:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	507.4	471.4	98.20	2.5789	0.257
	20.00	532.6	496.6	98.24	2.5000	0.284
	21.00	556.7	520.7	98.27	2.4286	0.310
	22.00	580.0	544.0	98.31	2.3636	0.336
	23.00	602.0	566.0	98.34	2.3043	0.362
	24.00	623.3	587.3	98.39	2.2500	0.388
	25.00	643.7	607.7	98.43	2.2000	0.414
	26.00	663.1	627.1	98.47	2.1538	0.440
	27.00	681.8	645.8	98.51	2.1111	0.465
	28.00	699.8	663.8	98.54	2.0714	0.490
****** End Shut-in 1	29.00	717.0	681.0	98.58	2.0345	0.514
****** Start Flow 2	0.00	38.1	0.0	98.61		
	1.00	38.3	0.2	98.62		
	2.00	38.3	0.2	98.65		
	3.00	38.4	0.3	98.68		
	4.00	38.5	0.4	98.70		
	5.00	38.5	0.4	98.73		
	6.00	38.5	0.4	98.76		
	7.00	38.6	0.5	98.80		
	8.00	38.7	0.6	98.83		
	9.00	38.7	0.6	98.87		
	10.00	38.9	0.8	98.90		
	11.00	38.9	0.8	98.93		
	12.00	39.1	1	98.98		
	13.00	39.1	1.0	99.01		
	14.00	39.3	1.2	99.05		
	15.00	39.5	1.4	99.08		
	16.00	39.5	1.4	99.12		
	17.00	39.6	1.5	99.16		
	18.00	39.7	1.6	99.19		
	19.00	39.8	1.7	99.23		
	20.00	39.7	1.6	99.27		
	21.00	39.6	1.5	99.31		
	22.00	39.7	1.6	99.35		
	23.00	39.8	1.7	99.39		
	24.00	39.9	1.8	99.43		
	25.00	40.0	1.9	99.46		
	26.00	40.1	2.0	99.50		
	27.00	40.1	2.0	99.55		
	28.00	40.2	2.1	99.59		
	29.00	40.3	2.2	99.62		
****** End Flow 2	30.00	40.2	2.1	99.67		
****** Start Shutin 2	0.00	40.2	0.0	99.67	0.0000	0.002
	1.00	43.7	3.5	99.71	61.0000	0.002
	2.00	50.8	10.6	99.76	31.0000	0.003
	3.00	58.8	18.5	99.80	21.0000	0.003
	4.00	68.3	28.1	99.85	16.0000	0.005
	5.00	79.4	39.2	99.90	13.0000	0.006
	6.00	92.7	52.5	99.94	11.0000	0.009
	7.00	108.3	68.1	99.99	9.5714	0.012
	8.00	126.2	85.9	100.04	8.5000	0.016

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10386 DST #3 Potter B #2 John O. Farmer

DATE: 12/13/97 TIME: 04:17:21

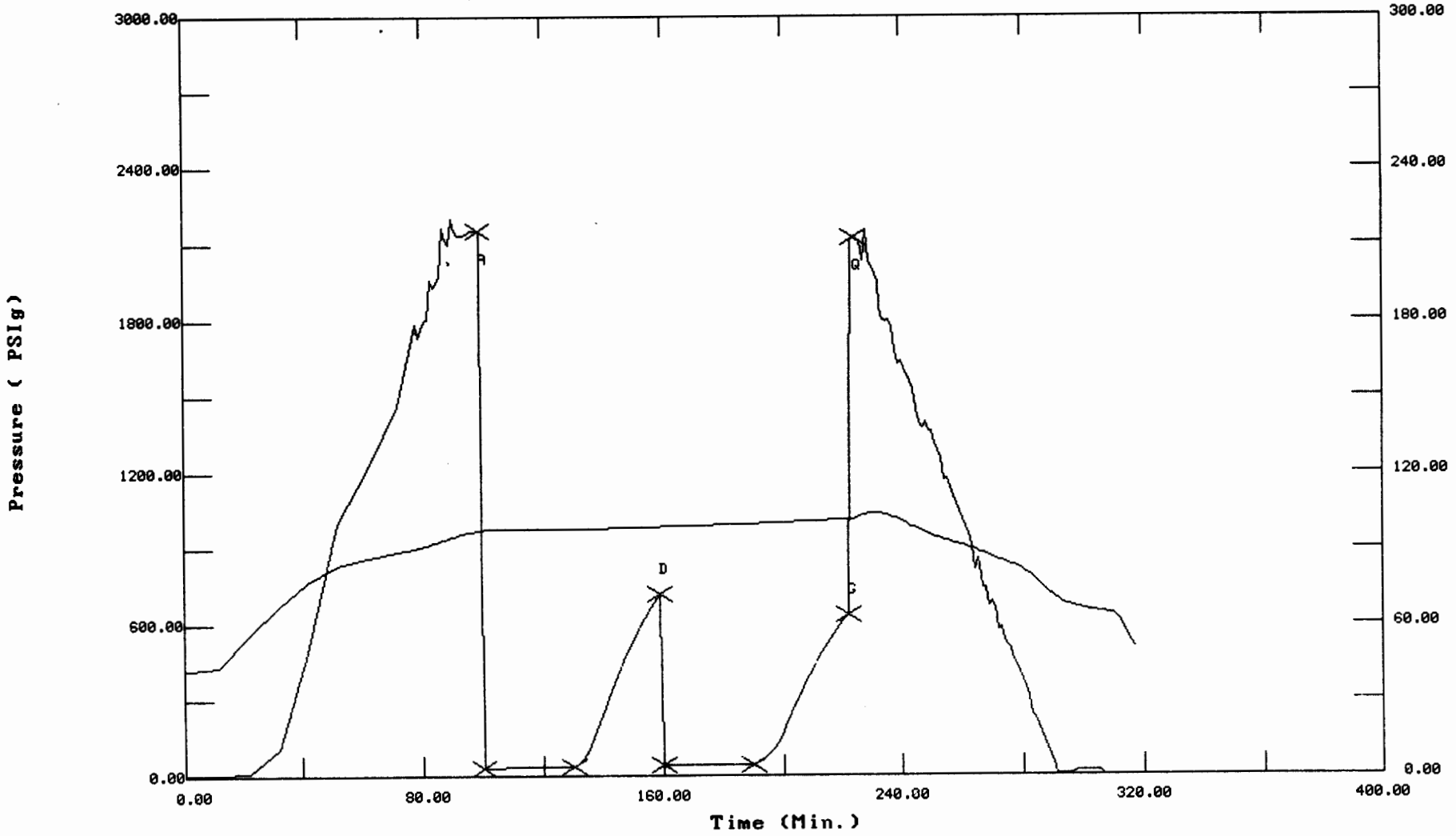
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	146.7	106.5	100.10	7.6667	0.022
	10.00	169.4	129.1	100.15	7.0000	0.029
	11.00	193.7	153.5	100.21	6.4545	0.038
	12.00	219.2	179.0	100.26	6.0000	0.048
	13.00	245.3	205.1	100.31	5.6154	0.060
	14.00	271.7	231.5	100.36	5.2857	0.074
	15.00	297.8	257.6	100.42	5.0000	0.089
	16.00	323.6	283.3	100.47	4.7500	0.105
	17.00	348.9	308.7	100.52	4.5294	0.122
	18.00	373.5	333.3	100.58	4.3333	0.140
	19.00	397.0	356.8	100.63	4.1579	0.158
	20.00	420.1	379.9	100.68	4.0000	0.176
	21.00	442.2	402.0	100.74	3.8571	0.196
	22.00	463.6	423.4	100.80	3.7273	0.215
	23.00	484.2	443.9	100.85	3.6087	0.234
	24.00	504.0	463.8	100.91	3.5000	0.254
	25.00	523.1	482.9	100.95	3.4000	0.274
	26.00	541.3	501.1	101.01	3.3077	0.293
	27.00	559.0	518.8	101.05	3.2222	0.313
	28.00	575.8	535.6	101.11	3.1429	0.332
	29.00	591.9	551.7	101.17	3.0690	0.350
	30.00	607.7	567.4	101.22	3.0000	0.369
	31.00	622.7	582.5	101.27	2.9355	0.388
***** End Shut-in 2	32.00	637.3	597.0	101.32	2.8750	0.406
***** Final Hydro.	224.00	2125.2	0.0	101.56		

TEST HISTORY

10386 DST #3 Potter B #2 John O. Farmer

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2151.59
B:	0.00	27.80
C:	30.00	36.01
D:	29.00	717.00
E:	0.00	38.10
F:	30.00	40.24
G:	32.00	637.25
Q:	0.00	2125.15



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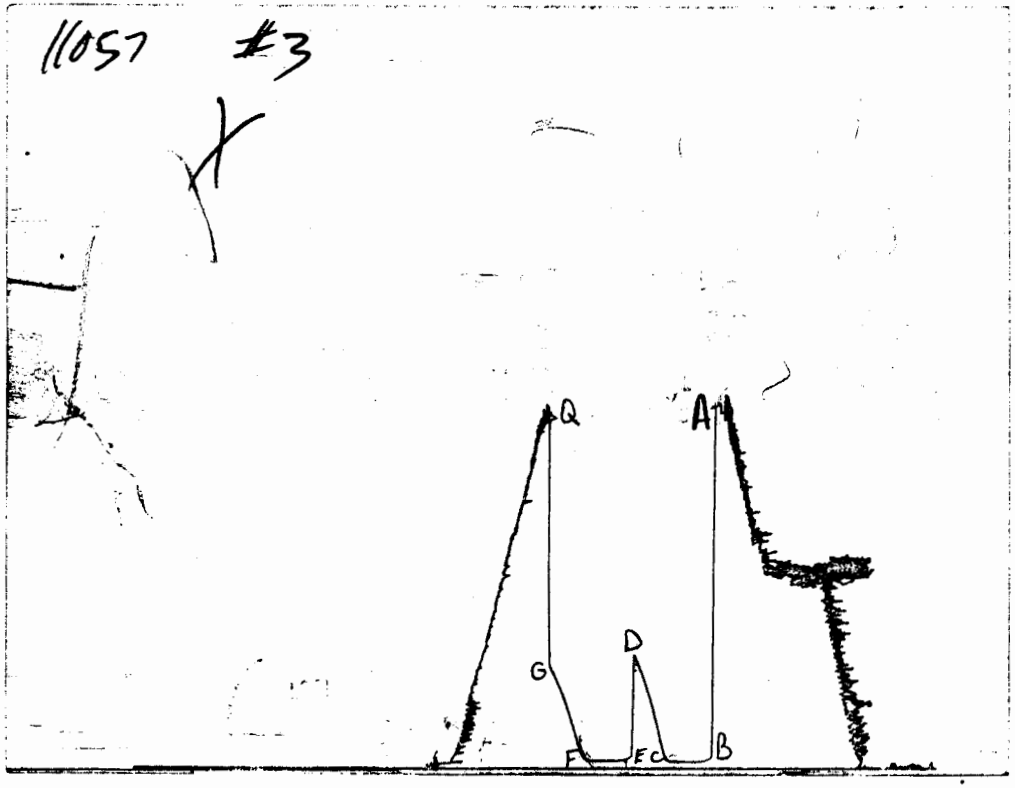

This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 10386

Well Name & No. Potter B #2 Test No. 3 Date 12-12-97

Company John O. Farmer Zone Tested Miss

Address P.O. Box 352 Russell Ks 67665 Elevation 2543 KB 2535 GL

Co. Rep / Geo. John O. Farmer IV Cont. Discovery #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 1 Twp. 17 Rge. 25 Co. Ness State Ks

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 4395' 4442' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 44,000

Anchor Length 47 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 65,000

Top Packer Depth 4390 Tool Weight 5,000

Bottom Packer Depth 4395 Hole Size — 7 7/8" — Rubber Size — 6 3/4" —

Total Depth 4442 Wt. Pipe Run — Drill Collar Run 30'

Mud Wt. 9.2 LCM #1/2 Vis. 50 WL 9.0 Drill Pipe Size 4½ XH Ft. Run 43.51'

Blow Description Surface blow died in 9 min.
No return
No blow
No return

Recovery — Total Feet 10' GIP — Ft. in DC 10' Ft. in DP —

Rec. 10'	Feet Of	Drlg Mud Heavy oil Scum (Good Show of free oil on top of tool)	%gas Scum	%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 104° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	2174	2151	PSI	Recorder No. 2346	T-Started	15:18 P.M.
(B) First Initial Flow Pressure	44	27	PSI	(depth) 4406	T-Open	17:00 P.M.
(C) First Final Flow Pressure	33	34	PSI	Recorder No. 11057	T-Pulled	19:00 P.M.
(D) Initial Shut-in Pressure	683	717	PSI	(depth) 4437	T-Out	20:53 P.M.
(E) Second Initial Flow Pressure	44	38	PSI	Recorder No.		
(F) Second Final Flow Pressure	33	40	PSI	(depth)		
(G) Final Shut-in Pressure	604	637	PSI	Initial Opening 30	Test X	
(H) Final Hydrostatic Mud	2151	2125	PSI	Initial Shut-in 30	Jars	
	AK-1	Halliburton		Final Flow 30	Safety Joint	
				Final Shut-in 30	Straddle	
				On location @ 14:40 P.M.	Circ. Sub X N/C	
				off location @ 21:20 P.M.	Sampler	
					Extra Packer	
					Elect. Rec. X	
					Other	
					TOTAL PRICE $	

Approved By John O. Farmer IV

Our Representative Shane McBride