WELL NAME:	Pakkebier #1
COMPANY:	Pioneer Resources
LOCATION:	14-6S-22W
	Graham County Kansas
DATE:	08/15/97

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer Resouces — DATE 08/13/97
WELL NAME: Pakkebier #1 — KB 2281.00 ft — TICKET NO: 10528 — DST #1
LOCATION : 14-06S-22W Graham KS — GR 2276.00 ft — FORMATION: Toronto
INTERVAL : 3472.00 To 3525.00 ft — TD 3525.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11084	11084	2346		
SI 30	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12hr.	12hr.	Elec		
FS 30	Depth(ft)	3525.0	3525.0	3473.0	0.0	0.0

TIME DATA----------
PF Fr. 1723 to 1753 hr
IS Fr. 1753 to 1823 hr
SF Fr. 1823 to 1853 hr
FS Fr. 1853 to 1923 hr

	Field	1	2	3	4
A. Init Hydro	1788.0	1756.0	1742.0	0.0	0.0
B. First Flow	98.0	50.0	10.0	0.0	0.0
B1. Final Flow	98.0	57.0	35.0	0.0	0.0
C. In Shut-in	1153.0	110.0	1101.0	0.0	0.0
D. Init Flow	121.0	84.0	37.0	0.0	0.0
E. Final Flow	121.0	80.0	51.0	0.0	0.0
F. Fl Shut-in	1121.0	1071.0	1070.0	0.0	0.0
G. Final Hydro	1778.0	1729.0	1717.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1623 hr
T ON BOTM 1721 hr
T OPEN 1723 hr
T PULLED 1923 hr
T OUT 2038 hr

RECOVERY
Tot Fluid 65.00 ft of 0.00 ft in DC and 65.00 ft in DP
65.00 ft of Oil Specked Watery Mud
0.00 ft of 10%water 90%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 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	2000.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	52000.00 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	2560.00 ft
H.W. I.D	916.00 in

BLOW DESCRIPTION
Initial Flow-
weak 1/8" blow building to 2 1/2"

Initial Shutin-
no blow

Final Flow-
surface blow building to 2"

Final Shutin-
no blow

SAMPLES:
SENT TO:

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

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	45.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	103.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Ron Nelson
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Pakkebier #1

OCATION : 14-06S-22W Graham KS

ICKET No. 10528 D.S.T. No. 1 DATE 08/13/97

OTAL TOOL TO BOTTOM OF TOP PACKERS 20

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR ..... 22 perf

OTAL TOOL 42

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single 1 Total 31

OTAL ASSEMBLY 73

.C. ABOVE TOOLS.Stands Single Total

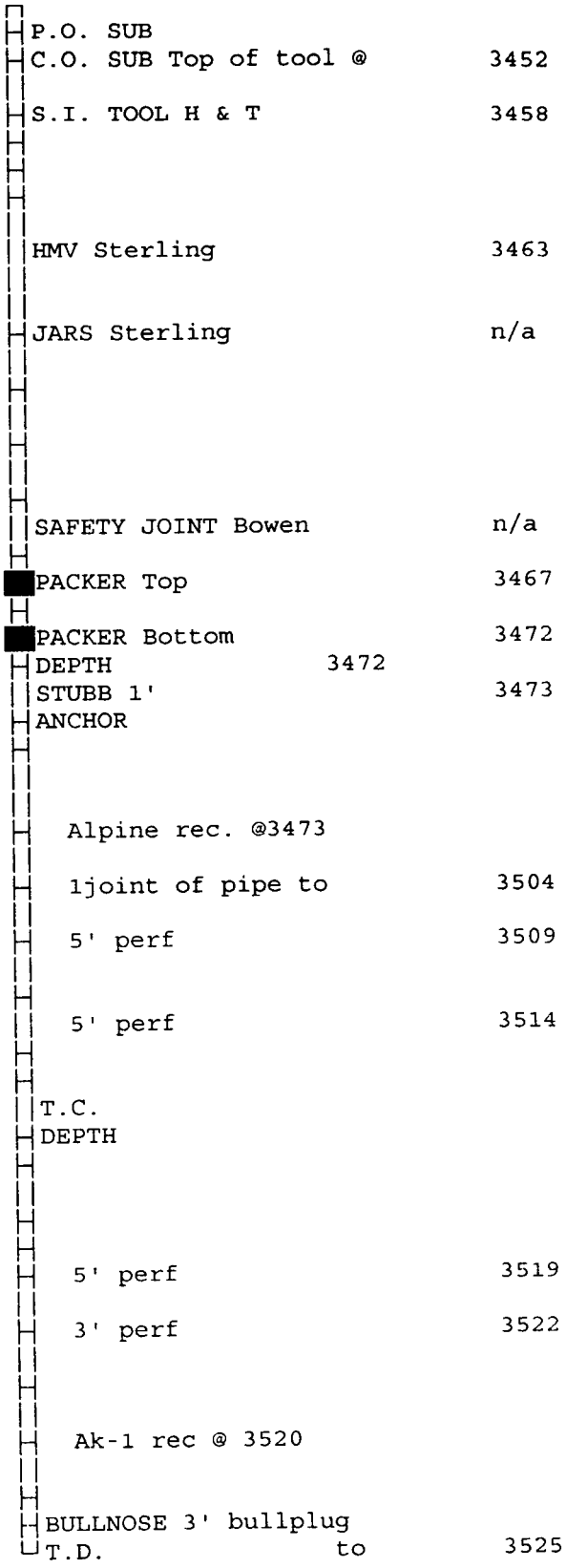
.P. ABOVE TOOLS.Stands56 Single Total 3476

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3549

OTAL DEPTH 3525

OTAL DRILL PIPE ABOVE K.B. 24

EMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 10528 Pioneer Resources Pakkebier #1 DST#1
DATE: 08/13/97 TIME: 15:54:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	94.00	1742.8	0.0	98.38		
****** Start Flow 1	0.00	10.5	0.0	98.44		
	0.50	16.0	5.4	98.51		
	1.00	16.6	6.1	98.56		
	1.50	17.3	6.7	98.61		
	2.00	17.7	7.2	98.65		
	2.50	18.1	7.6	98.70		
	3.00	18.5	8.0	98.73		
	3.50	18.9	8.3	98.77		
	4.00	19.3	8.7	98.80		
	4.50	19.6	9.0	98.83		
	5.00	20.0	9.4	98.86		
	5.50	20.3	9.8	98.88		
	6.00	20.5	9.9	98.92		
	6.50	20.6	10.1	98.94		
	7.00	20.8	10.2	98.96		
	7.50	21.1	10.6	98.97		
	8.00	21.4	10.9	99.01		
	8.50	21.7	11.2	99.02		
	9.00	22.2	11.6	99.05		
	9.50	22.6	12.1	99.06		
	10.00	23.0	12.5	99.09		
	10.50	23.5	12.9	99.11		
	11.00	23.8	13.2	99.14		
	11.50	24.2	13.6	99.17		
	12.00	24.5	14.0	99.20		
	12.50	24.8	14.3	99.22		
	13.00	25.1	14.6	99.25		
	13.50	25.4	14.9	99.28		
	14.00	25.7	15.1	99.30		
	14.50	26.0	15.5	99.31		
	15.00	26.3	15.8	99.35		
	15.50	26.6	16.0	99.38		
	16.00	26.8	16.3	99.40		
	16.50	27.1	16.6	99.43		
	17.00	27.5	16.9	99.44		
	17.50	27.7	17.1	99.47		
	18.00	27.9	17.4	99.50		
	18.50	28.2	17.7	99.52		
	19.00	28.5	18.0	99.55		
	19.50	28.8	18.3	99.57		
	20.00	29.1	18.5	99.60		
	20.50	29.4	18.8	99.62		
	21.00	29.6	19.1	99.65		
	21.50	29.9	19.4	99.67		
	22.00	30.3	19.7	99.71		
	22.50	30.5	19.9	99.74		
	23.00	30.8	20.2	99.77		
	23.50	30.9	20.4	99.79		
	24.00	31.2	20.7	99.82		
	24.50	31.5	20.9	99.85		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10528 Pioneer Resources Pakkebier #1 DST#1

DATE: 08/13/97 TIME: 15:54:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	31.8	21.3	99.89		
	25.50	32.0	21.5	99.93		
	26.00	32.3	21.8	99.96		
	26.50	32.7	22.1	99.99		
	27.00	32.9	22.4	100.02		
	27.50	33.2	22.7	100.07		
	28.00	33.5	23.0	100.10		
	28.50	33.8	23.2	100.14		
	29.00	34.1	23.5	100.18		
	29.50	34.4	23.8	100.21		
	30.00	34.6	24.1	100.25		
	30.50	34.9	24.4	100.28		
	31.00	35.2	24.7	100.32		
	31.50	35.4	24.9	100.36		
	32.00	35.7	25.2	100.39		
***** End Flow 1	32.50	35.9	25.4	100.42		
***** Start Shutin 1	0.00	35.9	0.0	100.42	0.0000	0.001
	0.50	71.0	35.1	100.46	66.0000	0.005
	1.00	164.9	129.0	100.48	33.5000	0.027
	1.50	324.9	289.0	100.53	22.6667	0.106
	2.00	476.7	440.8	100.55	17.2500	0.227
	2.50	591.4	555.5	100.59	14.0000	0.350
	3.00	675.7	639.8	100.63	11.8333	0.457
	3.50	738.5	702.6	100.65	10.2857	0.545
	4.00	785.4	749.4	100.69	9.1250	0.617
	4.50	822.0	786.1	100.72	8.2222	0.676
	5.00	851.6	815.6	100.75	7.5000	0.725
	5.50	876.4	840.5	100.83	6.9091	0.768
	6.00	897.0	861.1	100.81	6.4167	0.805
	6.50	914.6	878.7	100.84	6.0000	0.836
	7.00	929.7	893.8	100.87	5.6429	0.864
	7.50	943.1	907.2	100.90	5.3333	0.889
	8.00	954.7	918.8	100.92	5.0625	0.911
	8.50	965.0	929.1	100.95	4.8235	0.931
	9.00	974.4	938.5	100.97	4.6111	0.949
	9.50	982.9	947.0	100.99	4.4211	0.966
	10.00	990.5	954.6	101.00	4.2500	0.981
	10.50	997.7	961.8	101.03	4.0952	0.995
	11.00	1003.9	968.0	101.05	3.9545	1.008
	11.50	1009.5	973.6	101.07	3.8261	1.019
	12.00	1014.4	978.5	101.09	3.7083	1.029
	12.50	1018.9	983.0	101.10	3.6000	1.038
	13.00	1022.9	987.0	101.12	3.5000	1.046
	13.50	1026.7	990.8	101.12	3.4074	1.054
	14.00	1030.3	994.4	101.15	3.3214	1.062
	14.50	1033.7	997.8	101.16	3.2414	1.069
	15.00	1036.9	1001.0	101.18	3.1667	1.075
	15.50	1040.0	1004.1	101.20	3.0968	1.082
	16.00	1043.1	1007.2	101.22	3.0312	1.088
	16.50	1046.1	1010.2	101.24	2.9697	1.094
	17.00	1048.9	1013.0	101.26	2.9118	1.100

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10528 Pioneer Resources Pakkebier #1 DST#1

DATE: 08/13/97 TIME: 15:54:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	17.50	1051.6	1015.7	101.28	2.8571	1.106
	18.00	1054.1	1018.2	101.32	2.8056	1.111
	18.50	1056.7	1020.8	101.32	2.7568	1.117
	19.00	1058.9	1023.0	101.34	2.7105	1.121
	19.50	1061.4	1025.5	101.36	2.6667	1.127
	20.00	1063.7	1027.8	101.39	2.6250	1.131
	20.50	1066.0	1030.0	101.41	2.5854	1.136
	21.00	1068.1	1032.2	101.42	2.5476	1.141
	21.50	1070.3	1034.4	101.44	2.5116	1.145
	22.00	1072.4	1036.4	101.46	2.4773	1.150
	22.50	1074.7	1038.8	101.47	2.4444	1.155
	23.00	1077.2	1041.3	101.49	2.4130	1.160
	23.50	1079.5	1043.6	101.50	2.3830	1.165
	24.00	1081.7	1045.8	101.52	2.3542	1.170
	24.50	1083.7	1047.8	101.53	2.3265	1.174
	25.00	1085.6	1049.7	101.54	2.3000	1.179
	25.50	1087.5	1051.6	101.54	2.2745	1.183
	26.00	1089.3	1053.4	101.55	2.2500	1.187
	26.50	1091.1	1055.2	101.56	2.2264	1.191
	27.00	1093.1	1057.2	101.59	2.2037	1.195
	27.50	1094.8	1058.9	101.58	2.1818	1.199
	28.00	1096.4	1060.5	101.59	2.1607	1.202
	28.50	1098.0	1062.1	101.61	2.1404	1.206
	29.00	1099.5	1063.6	101.62	2.1207	1.209
****** End Shut-in 1	29.50	1101.2	1065.2	101.62	2.1017	1.213
****** Start Flow 2	0.00	37.7	0.0	101.62		
	0.50	38.1	0.4	101.62		
	1.00	38.1	0.5	101.62		
	1.50	38.2	0.6	101.62		
	2.00	38.5	0.8	101.62		
	2.50	38.5	0.8	101.61		
	3.00	38.5	0.9	101.61		
	3.50	38.6	1	101.60		
	4.00	38.9	1.3	101.61		
	4.50	39.1	1.4	101.61		
	5.00	39.3	1.6	101.61		
	5.50	39.5	1.9	101.61		
	6.00	39.8	2.1	101.62		
	6.50	40.0	2.3	101.62		
	7.00	40.2	2.6	101.63		
	7.50	40.6	2.9	101.65		
	8.00	40.8	3.1	101.65		
	8.50	41.1	3.4	101.66		
	9.00	41.3	3.7	101.68		
	9.50	41.6	4.0	101.68		
	10.00	41.9	4.3	101.71		
	10.50	42.2	4.5	101.72		
	11.00	42.5	4.8	101.74		
	11.50	42.8	5.2	101.75		
	12.00	43.0	5.4	101.76		
	12.50	43.3	5.6	101.78		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10528 Pioneer Resources Pakkebier #1 DST#1

DATE: 08/13/97 TIME: 15:54:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	13.00	43.6	5.9	101.79		
	13.50	43.8	6.1	101.81		
	14.00	44.0	6.4	101.83		
	14.50	44.3	6.6	101.85		
	15.00	44.5	6.8	101.86		
	15.50	44.7	7.1	101.88		
	16.00	45.0	7.3	101.89		
	16.50	45.2	7.5	101.90		
	17.00	45.5	7.8	101.92		
	17.50	45.7	8.0	101.94		
	18.00	46.0	8.3	101.95		
	18.50	46.2	8.6	101.97		
	19.00	46.5	8.8	101.99		
	19.50	46.7	9.1	102.00		
	20.00	46.9	9.3	102.02		
	20.50	47.1	9.5	102.03		
	21.00	47.4	9.7	102.05		
	21.50	47.6	10	102.06		
	22.00	47.9	10.3	102.08		
	22.50	48.1	10.5	102.09		
	23.00	48.5	10.9	102.11		
	23.50	48.7	11.1	102.12		
	24.00	49.0	11.3	102.13		
	24.50	49.2	11.5	102.14		
	25.00	49.4	11.8	102.15		
	25.50	49.6	11.9	102.17		
	26.00	49.8	12.2	102.18		
	26.50	50.0	12.4	102.19		
	27.00	50.2	12.6	102.20		
	27.50	50.5	12.8	102.21		
	28.00	50.8	13.1	102.23		
	28.50	51.0	13.3	102.24		
***** End Flow 2	29.00	51.2	13.5	102.25		
***** Start Shutin 2	0.00	51.2	0.0	102.25	0.0000	0.003
	0.50	73.9	22.7	102.26	124.0000	0.005
	1.00	124.0	72.9	102.27	62.5000	0.015
	1.50	216.7	165.5	102.28	42.0000	0.047
	2.00	344.4	293.2	102.30	31.7500	0.119
	2.50	468.3	417.1	102.31	25.6000	0.219
	3.00	569.1	517.9	102.33	21.5000	0.324
	3.50	646.8	595.6	102.34	18.5714	0.418
	4.00	706.6	655.4	102.36	16.3750	0.499
	4.50	752.9	701.8	102.38	14.6667	0.567
	5.00	789.8	738.6	102.41	13.3000	0.624
	5.50	819.6	768.4	102.44	12.1818	0.672
	6.00	844.2	793.1	102.45	11.2500	0.713
	6.50	864.8	813.6	102.48	10.4615	0.748
	7.00	882.4	831.2	102.50	9.7857	0.779
	7.50	897.4	846.3	102.52	9.2000	0.805
	8.00	910.7	859.5	102.53	8.6875	0.829
	8.50	922.4	871.2	102.55	8.2353	0.851

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10528 Pioneer Resources Pakkebier #1 DST#1

DATE: 08/13/97 TIME: 15:54:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	932.7	881.5	102.57	7.8333	0.870
	9.50	942.1	891.0	102.59	7.4737	0.888
	10.00	950.7	899.5	102.61	7.1500	0.904
	10.50	958.4	907.3	102.62	6.8571	0.919
	11.00	965.6	914.4	102.64	6.5909	0.932
	11.50	972.1	920.9	102.66	6.3478	0.945
	12.00	978.2	927.0	102.68	6.1250	0.957
	12.50	983.8	932.6	102.69	5.9200	0.968
	13.00	989.0	937.8	102.70	5.7308	0.978
	13.50	994.0	942.9	102.72	5.5556	0.988
	14.00	998.7	947.5	102.73	5.3929	0.997
	14.50	1002.9	951.7	102.74	5.2414	1.006
	15.00	1006.6	955.4	102.76	5.1000	1.013
	15.50	1010.0	958.9	102.78	4.9677	1.020
	16.00	1013.1	962.0	102.77	4.8438	1.026
	16.50	1016.2	965.1	102.79	4.7273	1.033
	17.00	1018.7	967.6	102.79	4.6176	1.038
	17.50	1021.5	970.3	102.81	4.5143	1.043
	18.00	1023.9	972.7	102.82	4.4167	1.048
	18.50	1026.2	975.0	102.83	4.3243	1.053
	19.00	1028.5	977.3	102.85	4.2368	1.058
	19.50	1030.6	979.4	102.85	4.1538	1.062
	20.00	1032.6	981.5	102.86	4.0750	1.066
	20.50	1034.8	983.6	102.87	4.0000	1.071
	21.00	1036.7	985.5	102.88	3.9286	1.075
	21.50	1038.6	987.4	102.88	3.8605	1.079
	22.00	1040.5	989.3	102.90	3.7955	1.083
	22.50	1042.4	991.2	102.90	3.7333	1.087
	23.00	1044.2	993.0	102.91	3.6739	1.090
	23.50	1045.9	994.7	102.93	3.6170	1.094
	24.00	1047.6	996.5	102.93	3.5625	1.098
	24.50	1049.3	998.2	102.93	3.5102	1.101
	25.00	1051.1	999.9	102.94	3.4600	1.105
	25.50	1052.6	1001.4	102.95	3.4118	1.108
	26.00	1054.2	1003.0	102.96	3.3654	1.111
	26.50	1055.7	1004.6	102.96	3.3208	1.115
	27.00	1057.2	1006.1	102.97	3.2778	1.118
	27.50	1058.7	1007.5	102.97	3.2364	1.121
	28.00	1060.2	1009.0	102.98	3.1964	1.124
	28.50	1061.6	1010.4	103.03	3.1579	1.127
	29.00	1062.9	1011.8	102.99	3.1207	1.130
	29.50	1064.5	1013.3	103.00	3.0847	1.133
	30.00	1066.1	1014.9	103.00	3.0500	1.137
	30.50	1067.6	1016.4	103.00	3.0164	1.140
	31.00	1069.0	1017.8	103.00	2.9839	1.143
****** End Shut-in 2	31.50	1070.3	1019.2	103.01	2.9524	1.146
****** Final Hydro.	218.50	1717.4	0.0	103.02		

TEST HISTORY

10528 Pioneer Resources Pakkebier #1 DST#1

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1742.75
B:	0.00	10.54
C:	32.50	35.91
D:	29.50	1101.16
E:	0.00	37.66
F:	29.00	51.17
G:	31.50	1070.34
Q:	0.00	1717.40

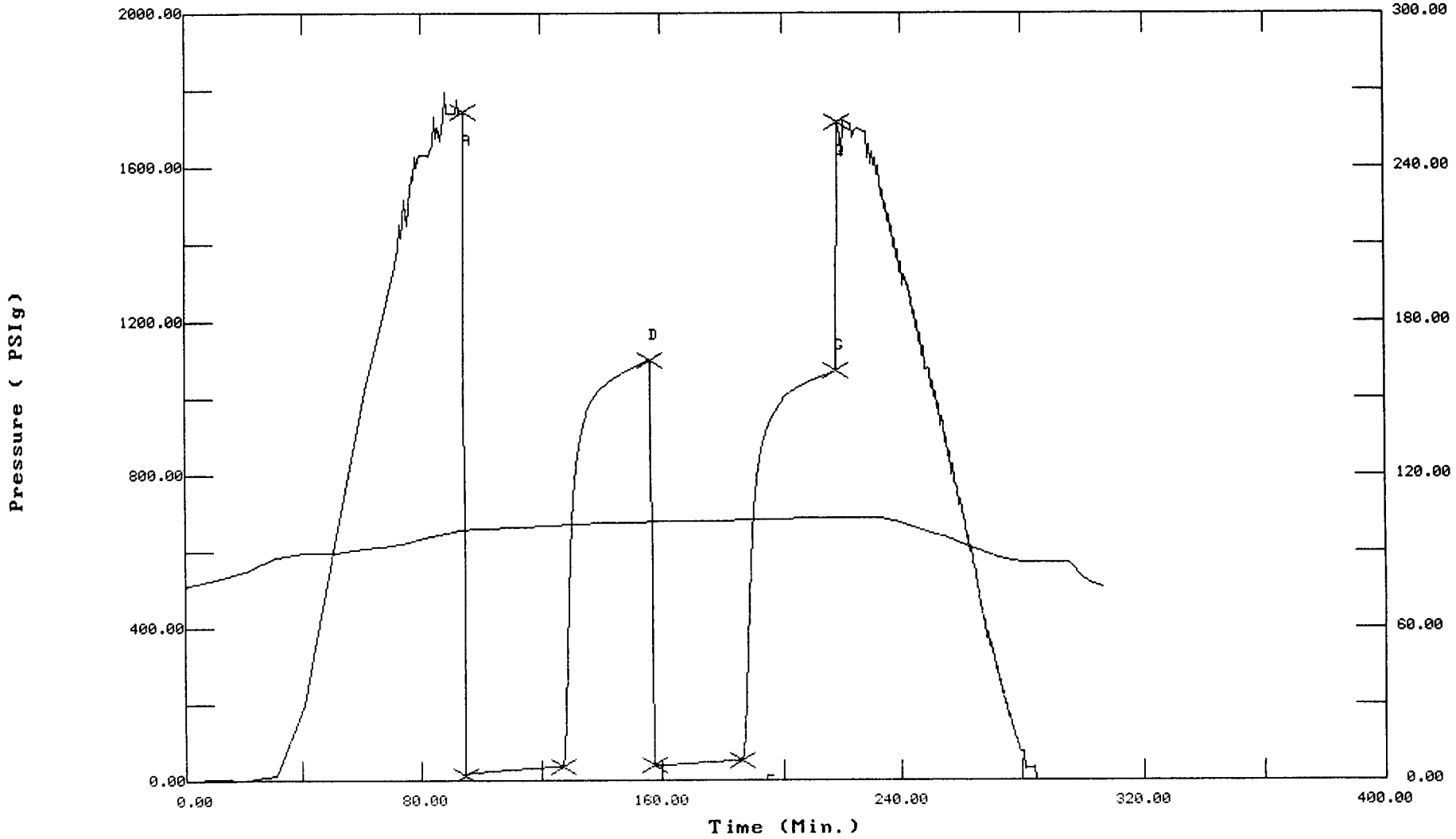
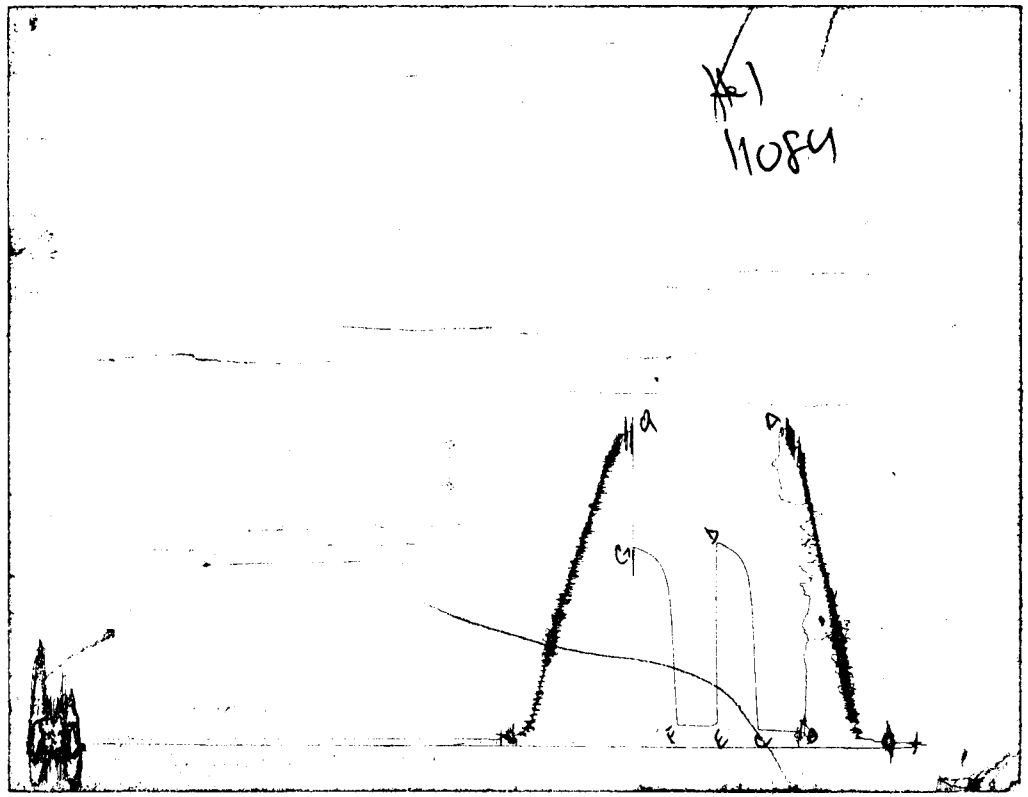


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer Resouces — DATE 08/14/97
WELL NAME: Pakkebier #1 — KB 2281.00 ft — TICKET NO: 10529 DST #2
LOCATION : Sec14 T06s R22w Graham KS — GR 2276.00 ft — FORMATION: Lansing C-E
INTERVAL : 3566.00 To 3615.00 ft — TD 3615.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11084	11084	2346		
SI 60	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12hr.	12hr.	Elec		
FS 0	Depth(ft)	3581.0	3581.0	3567.0	0.0	0.0

TIME DATA----------
PF Fr. 1140 to 1210 hr
IS Fr. 1210 to 1310 hr
SF Fr. 1310 to 1340 hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	1918.0	1818.0	1811.0	0.0	0.0
B. First Flow	55.0	45.0	17.0	0.0	0.0
B1. Final Flow	77.0	50.0	43.0	0.0	0.0
C. In Shut-in	905.0	867.0	876.0	0.0	0.0
D. Init Flow	77.0	68.0	44.0	0.0	0.0
E. Final Flow	88.0	66.0	59.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	1864.0	1719.0	1786.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1023 hr
T ON BOTM 1138 hr
T OPEN 1140 hr
T PULLED 1340 hr
T OUT 1515 hr

RECOVERY
Tot Fluid 75.00 ft of 0.00 ft in DC and 65.00 ft in DP
75.00 ft of Oil Specked Watery Mud
0.00 ft of 5%water 90%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 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	1900.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	82000.00 lbs
Initial Str Wt	56000.00 lbs
Unseated Str Wt	56000.00 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	2654.00 ft
H.W. I.D	916.00 in

BLOW DESCRIPTION
Initial Flow-
weak surface blow building to
2 1/2" .

Initial Shutin-
no blow

Final Flow-
surface blow building to 3/4"

Final Shutin-
no blow

SAMPLES:
SENT TO:

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

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	43.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
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	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Ron Nelson
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Pakkebier #1

LOCATION : Sec14 T06s R22w Graham KS

TICKET No. 10529 D.S.T. No. 2 DATE 08/14/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 18 perf

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 69

D.C. ABOVE TOOLS.Stands Single Total

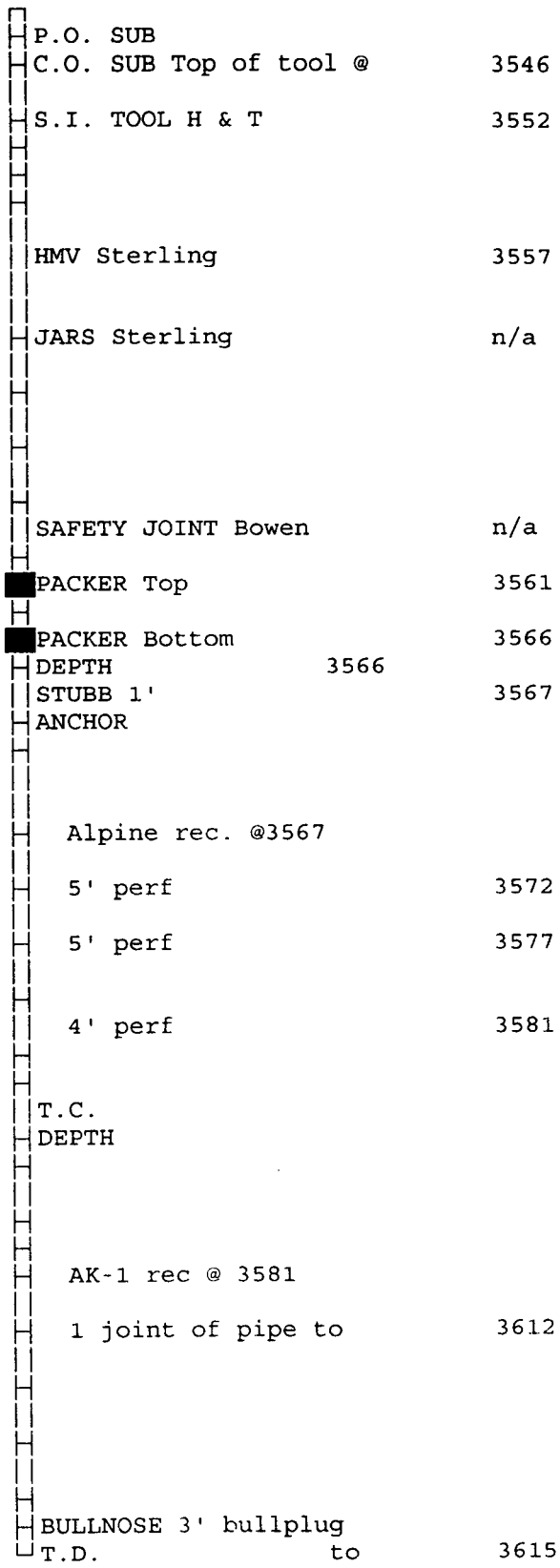
D.P. ABOVE TOOLS.Stands57 Single 1 Total 3570

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3639

TOTAL DEPTH 3615

TOTAL DRILL PIPE ABOVE K.B. 24

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10529 Pioneer Resources Pakkebier #1 DST #2

DATE: 08/14/97 TIME: 09:37:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	128.50	1811.2	0.0	100.18		
****** Start Flow 1	0.00	17.2	0.0	100.23		
	0.50	17.8	0.6	100.29		
	1.00	18.3	1.1	100.34		
	1.50	18.8	1.6	100.37		
	2.00	19.0	1.8	100.40		
	2.50	19.4	2.2	100.42		
	3.00	20.2	3.0	100.43		
	3.50	21.1	3.9	100.44		
	4.00	21.4	4.2	100.45		
	4.50	21.5	4.3	100.46		
	5.00	21.6	4.5	100.46		
	5.50	22.1	4.9	100.46		
	6.00	22.4	5.3	100.47		
	6.50	22.7	5.6	100.47		
	7.00	23.3	6.1	100.47		
	7.50	23.6	6.4	100.47		
	8.00	23.9	6.7	100.47		
	8.50	24.3	7.1	100.49		
	9.00	24.7	7.5	100.48		
	9.50	25.0	7.8	100.50		
	10.00	25.3	8.1	100.50		
	10.50	25.6	8.4	100.52		
	11.00	26.1	8.9	100.52		
	11.50	26.5	9.3	100.53		
	12.00	27.0	9.8	100.54		
	12.50	27.2	10	100.55		
	13.00	27.7	10.5	100.55		
	13.50	28.0	10.8	100.58		
	14.00	28.6	11.4	100.58		
	14.50	28.8	11.7	100.60		
	15.00	28.8	11.7	100.61		
	15.50	29.2	12.0	100.63		
	16.00	29.7	12.5	100.64		
	16.50	30.5	13.3	100.66		
	17.00	30.4	13.2	100.67		
	17.50	30.4	13.3	100.69		
	18.00	30.5	13.3	100.70		
	18.50	31.0	13.9	100.72		
	19.00	32.0	14.8	100.74		
	19.50	33.5	16.3	100.76		
	20.00	34.0	16.8	100.78		
	20.50	33.7	16.6	100.80		
	21.00	32.8	15.6	100.82		
	21.50	32.5	15.4	100.84		
	22.00	32.9	15.7	100.86		
	22.50	34.2	17.0	100.88		
	23.00	35.3	18.1	100.89		
	23.50	37.0	19.8	100.92		
	24.00	35.6	18.4	100.94		
	24.50	34.4	17.2	100.96		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10529 Pioneer Resources Pakkebier #1 DST #2

DATE: 08/14/97 TIME: 09:37:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	34.0	16.8	100.98		
	25.50	33.4	16.2	101.01		
	26.00	33.5	16.3	101.06		
	26.50	33.6	16.4	101.10		
	27.00	34.1	16.9	101.15		
	27.50	34.3	17.1	101.20		
	28.00	34.6	17.4	101.25		
	28.50	35.8	18.6	101.29		
	29.00	36.7	19.6	101.33		
	29.50	38.2	21.0	101.35		
	30.00	38.4	21.2	101.38		
	30.50	38.0	20.8	101.41		
	31.00	37.5	20.4	101.45		
	31.50	37.1	19.9	101.48		
	32.00	37.1	20.0	101.51		
	32.50	37.4	20.3	101.55		
	33.00	37.6	20.4	101.58		
	33.50	37.7	20.5	101.62		
	34.00	37.8	20.7	101.65		
	34.50	38.1	20.9	101.71		
	35.00	38.4	21.2	101.75		
	35.50	38.6	21.4	101.81		
	36.00	38.7	21.6	101.85		
	36.50	39.0	21.8	101.92		
	37.00	39.1	21.9	101.96		
	37.50	39.4	22.2	102.01		
	38.00	39.6	22.5	102.06		
	38.50	39.8	22.7	102.10		
	39.00	40.1	22.9	102.15		
	39.50	40.3	23.2	102.20		
	40.00	40.5	23.4	102.25		
	40.50	40.7	23.5	102.29		
	41.00	40.7	23.6	102.34		
***** End Flow 1	41.50	42.6	25.4	102.38		
***** Start Shutin 1	0.00	42.6	0.0	102.38	0.0000	0.002
	0.50	83.4	40.8	102.43	84.0000	0.007
	1.00	161.3	118.7	102.47	42.5000	0.026
	1.50	269.0	226.4	102.51	28.6667	0.072
	2.00	357.1	314.5	102.55	21.7500	0.128
	2.50	429.9	387.3	102.59	17.6000	0.185
	3.00	499.7	457.1	102.64	14.8333	0.250
	3.50	553.9	511.3	102.70	12.8571	0.307
	4.00	596.3	553.7	102.73	11.3750	0.356
	4.50	629.5	586.9	102.78	10.2222	0.396
	5.00	655.0	612.4	102.82	9.3000	0.429
	5.50	675.9	633.3	102.87	8.5455	0.457
	6.00	693.6	651.0	102.91	7.9167	0.481
	6.50	708.7	666.1	102.96	7.3846	0.502
	7.00	721.6	679.0	103.01	6.9286	0.521
	7.50	732.6	690.0	103.06	6.5333	0.537
	8.00	742.4	699.8	103.10	6.1875	0.551

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10529 Pioneer Resources Pakkebier #1 DST #2

DATE: 08/14/97 TIME: 09:37:42

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
8.50	750.8	708.2	103.16	5.8824	0.564
9.00	758.5	715.9	103.20	5.6111	0.575
9.50	765.6	723.0	103.25	5.3684	0.586
10.00	772.1	729.5	103.30	5.1500	0.596
10.50	778.2	735.6	103.34	4.9524	0.606
11.00	783.7	741.1	103.37	4.7727	0.614
11.50	788.7	746.1	103.41	4.6087	0.622
12.00	793.2	750.6	103.45	4.4583	0.629
12.50	797.2	754.6	103.48	4.3200	0.636
13.00	801.2	758.6	103.51	4.1923	0.642
13.50	804.8	762.2	103.53	4.0741	0.648
14.00	808.2	765.6	103.56	3.9643	0.653
14.50	811.5	768.9	103.58	3.8621	0.659
15.00	814.6	772.0	103.60	3.7667	0.664
15.50	817.3	774.7	103.61	3.6774	0.668
16.00	819.8	777.2	103.64	3.5938	0.672
16.50	822.2	779.6	103.64	3.5152	0.676
17.00	824.5	781.9	103.66	3.4412	0.680
17.50	826.5	783.9	103.67	3.3714	0.683
18.00	828.3	785.7	103.69	3.3056	0.686
18.50	830.2	787.6	103.70	3.2432	0.689
19.00	832.0	789.4	103.71	3.1842	0.692
19.50	833.7	791.1	103.72	3.1282	0.695
20.00	835.5	792.9	103.73	3.0750	0.698
20.50	837.1	794.5	103.74	3.0244	0.701
21.00	838.8	796.2	103.76	2.9762	0.704
21.50	840.3	797.7	103.77	2.9302	0.706
22.00	841.8	799.2	103.78	2.8864	0.709
22.50	843.2	800.6	103.78	2.8444	0.711
23.00	844.6	802.0	103.80	2.8043	0.713
23.50	845.8	803.2	103.82	2.7660	0.715
24.00	847.0	804.4	103.83	2.7292	0.717
24.50	848.1	805.5	103.85	2.6939	0.719
25.00	849.2	806.6	103.86	2.6600	0.721
25.50	850.2	807.6	103.88	2.6275	0.723
26.00	851.3	808.7	103.88	2.5962	0.725
26.50	852.4	809.8	103.89	2.5660	0.727
27.00	853.2	810.6	103.90	2.5370	0.728
27.50	854.3	811.7	103.90	2.5091	0.730
28.00	855.2	812.6	103.90	2.4821	0.731
28.50	856.1	813.5	103.92	2.4561	0.733
29.00	857.0	814.4	103.93	2.4310	0.734
29.50	857.8	815.1	103.95	2.4068	0.736
30.00	858.6	816.0	103.96	2.3833	0.737
30.50	859.4	816.8	103.97	2.3607	0.739
31.00	860.2	817.6	103.97	2.3387	0.740
31.50	860.9	818.3	103.98	2.3175	0.741
32.00	861.7	819.1	103.99	2.2969	0.742
32.50	862.3	819.7	104.00	2.2769	0.743
33.00	862.8	820.2	104.01	2.2576	0.744
33.50	863.2	820.6	104.02	2.2388	0.745

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10529 Pioneer Resources Pakkebier #1 DST #2

DATE: 08/14/97 TIME: 09:37:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	34.00	863.8	821.2	104.02	2.2206	0.746
	34.50	864.5	821.9	104.04	2.2029	0.747
	35.00	865.1	822.5	104.05	2.1857	0.748
	35.50	865.6	823.0	104.07	2.1690	0.749
	36.00	866.1	823.5	104.15	2.1528	0.750
	36.50	866.6	824.0	104.08	2.1370	0.751
	37.00	867.0	824.4	104.01	2.1216	0.752
	37.50	867.6	825.0	104.08	2.1067	0.753
	38.00	868.1	825.5	104.08	2.0921	0.754
	38.50	868.5	825.9	104.10	2.0779	0.754
	39.00	869.1	826.5	104.10	2.0641	0.755
	39.50	869.6	827.0	104.11	2.0506	0.756
	40.00	870.0	827.4	104.11	2.0375	0.757
	40.50	870.5	827.9	104.12	2.0247	0.758
	41.00	870.9	828.3	104.13	2.0122	0.759
	41.50	871.4	828.8	104.14	2.0000	0.759
	42.00	871.7	829.1	104.14	1.9881	0.760
	42.50	872.2	829.6	104.15	1.9765	0.761
	43.00	872.6	830.0	104.15	1.9651	0.761
	43.50	873.0	830.4	104.16	1.9540	0.762
	44.00	873.4	830.8	104.17	1.9432	0.763
	44.50	873.7	831.1	104.18	1.9326	0.763
	45.00	874.0	831.4	104.17	1.9222	0.764
	45.50	874.3	831.7	104.18	1.9121	0.764
	46.00	874.6	832.0	104.19	1.9022	0.765
	46.50	874.9	832.3	104.19	1.8925	0.765
	47.00	875.1	832.5	104.20	1.8830	0.766
	47.50	875.5	832.9	104.21	1.8737	0.766
***** End Shut-in 1	48.00	875.9	833.3	104.21	1.8646	0.767
***** Start Flow 2	0.00	44.1	0.0	104.21		
	0.50	43.6	-0.5	104.21		
	1.00	43.8	-0.3	104.20		
	1.50	44.0	-0.1	104.20		
	2.00	44.4	0.3	104.19		
	2.50	44.9	0.7	104.19		
	3.00	45.2	1.0	104.19		
	3.50	45.5	1.3	104.19		
	4.00	45.8	1.7	104.20		
	4.50	46.2	2.0	104.19		
	5.00	46.2	2.1	104.20		
	5.50	46.4	2.3	104.21		
	6.00	46.7	2.6	104.22		
	6.50	46.9	2.8	104.22		
	7.00	47.2	3.1	104.23		
	7.50	47.4	3.3	104.24		
	8.00	47.6	3.4	104.25		
	8.50	47.8	3.6	104.27		
	9.00	48.0	3.8	104.27		
	9.50	48.3	4.2	104.28		
	10.00	48.6	4.5	104.30		
	10.50	48.9	4.7	104.30		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10529 Pioneer Resources Pakkebier #1 DST #2

DATE: 08/14/97 TIME: 09:37:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	11.00	49.2	5.1	104.31		
	11.50	49.4	5.3	104.33		
	12.00	49.8	5.6	104.34		
	12.50	50.0	5.8	104.35		
	13.00	50.3	6.1	104.36		
	13.50	50.6	6.4	104.37		
	14.00	50.8	6.7	104.37		
	14.50	51.1	6.9	104.38		
	15.00	51.4	7.2	104.40		
	15.50	51.7	7.5	104.40		
	16.00	52.1	7.9	104.41		
	16.50	52.4	8.2	104.41		
	17.00	52.5	8.4	104.41		
	17.50	52.8	8.6	104.42		
	18.00	53.2	9.1	104.42		
	18.50	53.4	9.2	104.42		
	19.00	53.6	9.5	104.43		
	19.50	53.9	9.8	104.43		
	20.00	54.1	9.9	104.44		
	20.50	54.4	10.2	104.44		
	21.00	54.6	10.5	104.44		
	21.50	54.9	10.8	104.45		
	22.00	55.2	11.0	104.46		
	22.50	55.4	11.3	104.46		
	23.00	55.7	11.6	104.47		
	23.50	56.0	11.9	104.47		
	24.00	56.3	12.2	104.48		
	24.50	56.5	12.4	104.48		
	25.00	56.7	12.6	104.49		
	25.50	57.0	12.9	104.49		
	26.00	57.3	13.2	104.50		
	26.50	57.5	13.4	104.51		
	27.00	57.7	13.6	104.51		
	27.50	57.9	13.8	104.51		
	28.00	58.1	14.0	104.52		
	28.50	58.3	14.2	104.53		
	29.00	58.6	14.5	104.54		
	29.50	58.9	14.7	104.55		
	30.00	59.1	14.9	104.55		
****** End Flow 2	30.50	59.4	15.3	104.55		
****** Start Shutin 2	0.00	59.4	0.0	104.55	0.0000	0.004
	0.50	89.0	29.6	104.56	145.0000	0.008
****** End Shut-in 2	1.00	1786.5	1727.1	104.59	73.0000	3.191
****** Final Hydro.	251.50	1786.5	0.0	104.59		

TEST HISTORY

10529 Pioneer Resources Pakkebier #1 DST #2

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1811.23
B:	0.00	17.17
C:	41.50	42.60
D:	48.00	875.86
E:	0.00	44.14
F:	30.50	59.40
Q:	0.00	1786.47

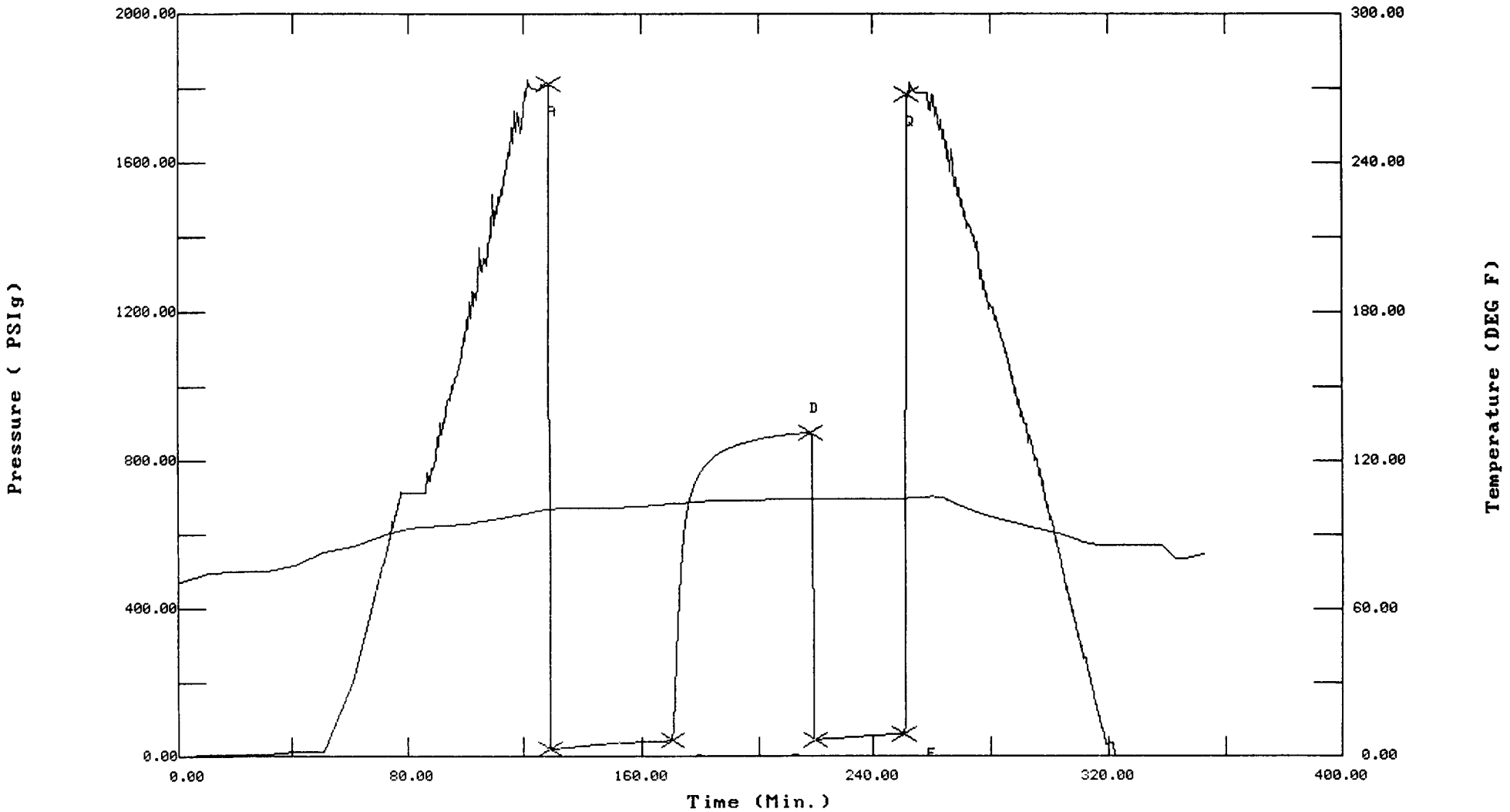
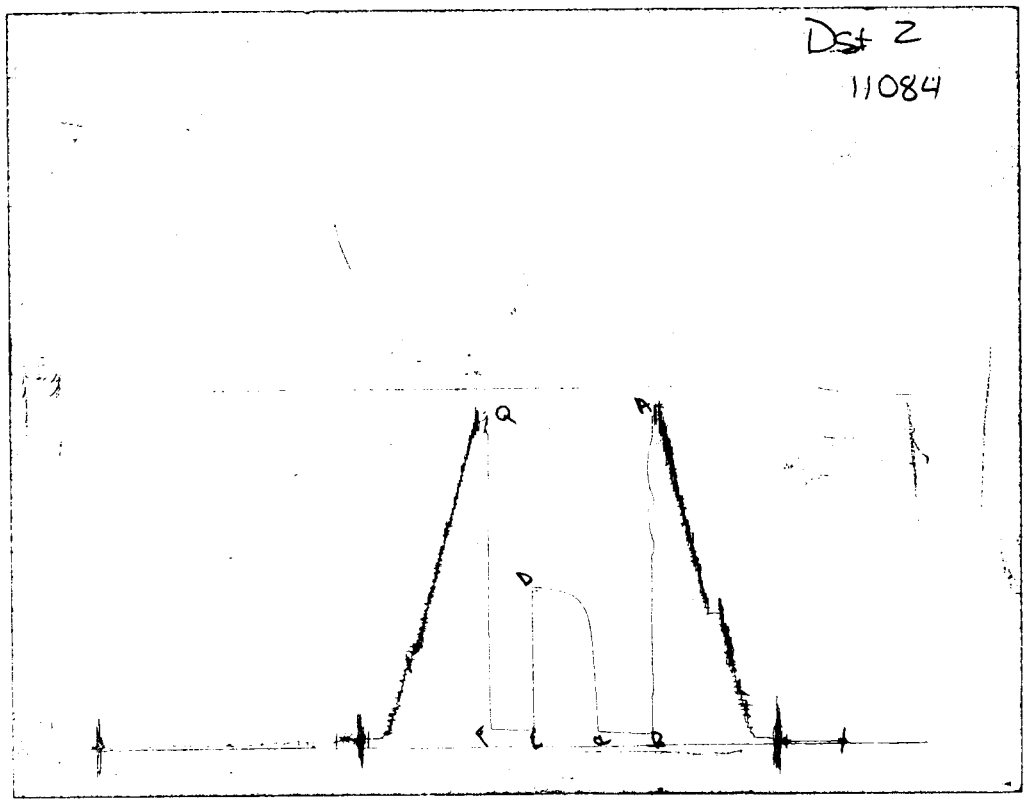


CHART PAGE



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

TRILOBITE TE...

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10529

Well Name & No. Parkerbier #1 Test No. 2 Date 8-14

Company Pioneer Resources Zone Tested LKC D-F

Address

Elevation 2281 KB 2296 GL

Co. Rep / Geo. Ron Nelson Cont. Shields Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 14 Twp. 6s Rge. 22w Co. Graham State Ks

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

Interval Tested 3566-3615

Anchor Length 49

Top Packer Depth 3561

Bottom Packer Depth 3566

Total Depth 3615

Mud Wt. 9.3 LCM ____ Vis. 43 WL 10.0

Blow Description surface blow building to 2½"

FF surface blow building to 3¼"

Initial Str Wt./Lbs. ____ Unseated Str Wt./Lbs. ____

Wt. Set Lbs. ____ Wt. Pulled Loose/Lbs. ____

Tool Weight 1900

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

Wt. Pipe Run 916 Drill Collar Run ____

Drill Pipe Size 4½ FH Ft. Run 2654

Recovery — Total Feet 70 GIP ____ Ft. in DC ____ Ft. in DP ____

Rec. 70	Feet Of Oil spotted watery mud	%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 ____ ppm System

(A) Initial Hydrostatic Mud	1918	1811	PSI	Recorder No.	2346	T-Started	1023
(B) First Initial Flow Pressure	55	17	PSI	(depth)	3560	T-Open	11:40
(C) First Final Flow Pressure	77	43	PSI	Recorder No.	11084	T-Pulled	
(D) Initial Shut-in Pressure	905	876	PSI	(depth)	3581	T-Out	
(E) Second Initial Flow Pressure	77	44	PSI	Recorder No.			
(F) Second Final Flow Pressure	88	59	PSI	(depth)			
(G) Final Shut-in Pressure		—	PSI	Initial Opening	30	Test	1000
(H) Final Hydrostatic Mud	1864	1786	PSI	Initial Shut-in	66	Jars	
				Final Flow	30	Safety Joint	
				Final Shut-in	—	Straddle	
				57½ stands		Circ. Sub	
						Sampler	
						Extra Packer	
						Elect. Rec.	150
						Other	
						TOTAL PRICE $	750

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 Raymond Wells

Our Representative Paul Simpson